



Rubber & Specialties, Inc.



The Service Never Stops.



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Member Of NAHAD, NIBA, IDCO, ISD With Over 60 Locations Across The U.S.





To our valued customer,

As Rubber & Specialties prepares for our third decade in business, it is our pleasure to present our most comprehensive product catalog. While this catalog contains many standard inventoried items, it is impossible to include the "specials", "one-offs" and non standard items that we supply. Please contact one of our salespeople with those requests.

To better serve a growing global economy, Rubber & Specialties has eight stocking locations from Morrisville, Pennsylvania to Pascagoula, Mississippi. We represent the finest manufacturers in the industrial rubber industry, including Goodyear, Aeroquip, Gates, Dixon, Duravent, Everflex, Page, Thermoseal, and Peraflex to name a few.

Our business has been and will continue to be built on the solid foundation of ethics, service and reliability. Our combined years of experience in the industrial rubber field is substantial and we stand ready, willing and able to assist you, our customer.

We thank you for your past patronage, and we look forward to serving you in the future.

Sincerely,

Charles H. Cook

A handwritten signature in cursive script that reads "Charles H. Cook".

President

Michael C. Lentz

A handwritten signature in cursive script that reads "Michael C. Lentz".

Vice-President



Reliable Service



Reliable Solutions

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2001/2002 COMMERCIAL/INDUSTRIAL CATALOG

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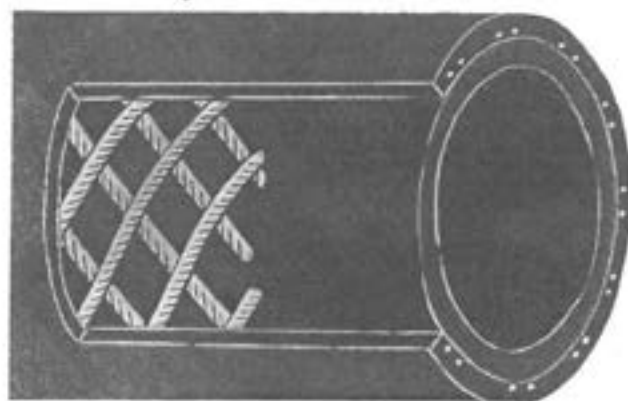
NOTES

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Goodyear Horizon Hose

GOODYEAR



An economical air and water hose, Horizon is designed for a wide range of industrial, construction and agricultural applications.

STRONG AND FLEXIBLE. Horizon is reinforced with synthetic fabric. A Versigard synthetic rubber tube and cover provide strength and flexibility. Together, they enable Horizon to handle working pressures from 150 to 250 psi. A 4:1 safety factor applies to all published working pressures. Temperature range: -20°F (-29°C) to 190°F (88°C).

CONSTRUCTION: 3/16"-1" spiral — over 1" braided.
Tube: Versigard synthetic rubber (Medium Oil Resistance — RMA designation: Class C)
Reinforcement: Synthetic cord
Cover: Yellow, Red, or Black Versigard synthetic rubber (Smooth Finish)

LENGTHS: Long lengths on reels — specific lengths cut, coil and tied. 2' in carton; 1/2" and 3/4" — 200 psi and 250 psi — stocked in 50' lengths, carton of 5

FITTINGS: Universal quick couplings, long and short shank, insert type, one time or reattachable

Series 1001

SPECIFICATIONS					
I.D. x O.D.		WORKING PRESSURE		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4" x .437	4.8 x 11.1	200	1.4	.08	.12
1/2" x .500	6.4 x 12.7	200	1.4	.09	.13
3/4" x .582	7.9 x 14.8	200	1.4	.12	.18
1" x .669	9.5 x 17.0	200	1.4	.15	.22
1 1/4" x .811	12.7 x 20.6	200	1.4	.20	.30
1 1/2" x .968	15.9 x 24.6	200	1.4	.27	.40
1 3/4" x 1.118	19.1 x 28.4	200	1.4	.34	.51
2" x 1.44	25.4 x 36.6	150	1.0	.53	.79
2 1/4" x 1.45	25.4 x 36.8	200	1.4	.54	.80
2 1/2" x 1.75	31.8 x 44.4	200	1.4	.62	.92
2 3/4" x 2.00	38.1 x 50.8	200	1.4	.73	1.09
3" x 2.5	50.8 x 63.5	200	1.0	1.22	1.88

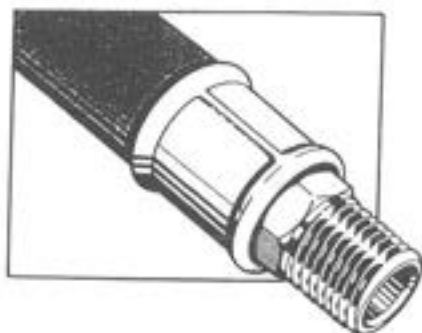
SPECIFICATIONS — 250 PSI					
I.D. x O.D.		WORKING PRESSURE		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4" x .527	6.4 x 13.4	250	1.7	.11	.16
1/2" x .594	7.9 x 15.1	250	1.7	.13	.19
3/4" x .700	9.5 x 17.8	250	1.7	.17	.25
1" x .838	12.7 x 21.3	250	1.7	.22	.33
1 1/4" x .976	15.9 x 24.8	250	1.7	.27	.40
1 1/2" x 1.141	19.1 x 29.0	250	1.7	.35	.52

SPECIFICATIONS — 300 PSI (RED ONLY)					
I.D. x O.D.		WORKING PRESSURE		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4" x .527	6.4 x 13.4	300	2.1	.10	.15
1/2" x .700	9.5 x 17.8	300	2.1	.17	.25
3/4" x .838	12.7 x 21.3	300	2.1	.22	.33
1" x 1.149	19.1 x 29.2	300	2.1	.37	.55
1 1/4" x 1.480	25.4 x 37.6	300	2.1	.58	.86

Impact Tool Hose

For shop and service station. High Quality - 300 PSI hose. Ready to use in coupled 25' lengths. coupled Male X Male.

Series 1002



HOSE I.D. X LENGTH	
1/4" x 25' cpld MxM	1/4" IPT
1/4" x 50' cpld MxM *	
3/8" x 25' cpld MxM	1/4" IPT
3/8" x 50' cpld MxM	
1/2" x 25' cpld MxM	1/2" IPT
1/2" x 50' cpld MxM	



Air Hose

Self Storing Air Hose

Series 1004, Series FB9218, Series FB9219 and Series FB9220

Eliminates bulky hose reels, hose storage cabinets, expensive reel recoil mechanisms and dangerous hose dragging or clutter when using pneumatic tools. Used with virtually all pneumatic tools - at pressures up to 200 PSI - Sanders of all types, blow guns, chippers, drills, dusting guns, hoists, nailers, nut setters, riveters, screwdrivers, moving air cylinders, etc. Threading: Standard Male NPT both ends, in 1/4", 3/8" and 1/2" sizes. Hose ID is the same as the threading.



MALE N.P.T. SIZE	HOSE I.D. X LENGTH
1/4"	1/4" X 12'
1/4"	1/4" X 25'
1/4"	1/4" X 50'
3/8"	3/8" X 12'
3/8"	3/8" X 25'
3/8"	3/8" X 50'
1/2"	1/2" X 25'
1/2"	1/2" X 50'

Also
Available
in
Polyurethane

Contractors Air Hose

USES Primarily for operating air tools such as jack-hammers, pavement breakers, etc., by contractors.

CONSTRUCTION Several constructions are offered to suit your service conditions and personal preference. All are supplied with Universal quick-acting couplings attached by 2 bolt clamps or steel bands in 50 ft. lengths.

200 psi WP - Red

250 psi WP - Red

300 psi WP - Red

Colors Available: Black, Green, Blue and Yellow



Contractors Water Hose

Series 1550

For general water transfer where something more durable than garden hose is desired we supply black general purpose hose with EPDM tube and cover, 200 psi WP. The hose is coupled with male and female GHT durable cast brass fittings.

Standard sizes are 1/2", 3/4", and 1" ID in 25 or 50 ft lengths — longer lengths, if desired.

Goodyear Plovic Hose



Series 1005

Lightweight, economical general purpose hose for carrying air, water and many spray solutions. Most commonly used on air lines, in-plant pneumatic tools and stapler guns, lawn and garden hand sprayers, light duty air compressors, various OEM equipment and most multipurpose applications.

LIGHTWEIGHT, EASY TO HANDLE. Plovic hose is lighter in weight and more flexible than standard rubber hose making it easier to handle and maneuver. Plovic hose remains flexible at -10°F (-23°C) while withstanding temperatures up to 150°F (65°C).

HIGH QUALITY, LONG LIFE. Plovic hose's tube compound meets the RMA Class B designation for oil resistance to provide long life when oil mists are introduced into the hose for equipment lubrication. The hose is reinforced with high-strength Vytacord® fabric, and has a tough, weather and abrasion resistant Plovic® cover for long service life. Handles working pressures up to 250 psi (1.7 MPa) and 300 psi (2.1 MPa) at a full 4:1 safety factor.

COLOR CODING CAPABILITIES. Plovic hose has an attractive appearance and is available in blue, red, black, yellow and green in 250 psi. Also available in blue and red in 300 psi. Color coding can be used for safety or to match various OEM equipment colors.

CONSTRUCTION:

Tube: Black Plovic, meets RMA Class B Oil Resistance designation

Reinforcement: Vytacord

Cover: Blue, red, black, yellow and green Plovic smooth finish



LENGTHS: Reels, 1/4" 750'
1/2" 500'
3/4" 450'
1" 400'

COUPLINGS: Universal quick coupling, long and short shank or insert type

PACKAGING: All sizes on reels; 1/4" red, blue, yellow available in 50' lengths, carton of 5

PLIOVIC 250 HOSE SPECIFICATIONS

I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4" x .500	6.4 x 12.7	250	1.7	.080	.119
3/8" x .656	9.5 x 16.7	250	1.7	.130	.193
1/2" x .795	12.7 x 20.2	250	1.7	.150	.223
3/4" x .935	15.9 x 23.7	250	1.7	.200	.298
1" x 1.055	19.1 x 26.8	250	1.7	.220	.327
1" x 1.300	25.4 x 33.0	250	1.7	.300	.446

PLIOVIC 300 HOSE SPECIFICATIONS

I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4" x .500	6.4 x 12.7	300	2.1	.081	.120
3/8" x .656	9.5 x 16.7	300	2.1	.132	.194
1/2" x .795	12.7 x 20.2	300	2.1	.161	.240

Goodyear Plovic 200 Reinforced Tubing - FDA & 3A

Series 1870



CONSTRUCTION:

Tube: Clear Plovic® compound conforms to FDA, USDA & 3-A standards*

Reinforcement: Vytacord®

Cover: Clear Plovic compound conforms to FDA, USDA & 3-A standards*

LENGTHS: 1/4" ID to 1" ID on Reels

COUPLINGS: Combination nipple, steel, brass, aluminum, stainless steel short shank type

A versatile, lightweight, reinforced tubing for the food and beverage industries, general air & multipurpose, pharmaceuticals, cosmetics, computer component manufacturers, textile mills and air-actuated equipment.

PROTECTS AGAINST CONTAMINATION. Goodyear's Plovic® 200 reinforced tubing conforms to FDA, USDA & 3-A standards eliminating the chance of taste or odor transfer in the product being conveyed. Excellent for handling dry and liquid foods including milk, dairy products and liquids with an alcohol content less than 50%.

LIGHTWEIGHT, FLEXIBLE AND ECONOMICAL. Goodyear's Plovic 200 reinforced tubing is lightweight for easy handling while boasting a 250 psi working pressure for use in a wide variety of air, water and multipurpose applications. Plovic 200 provides maximum flexibility with minimum effort and represents the best value available. It will handle temperatures to 150°F (65°C) while remaining flexible at -15°F (-9°C).

PLIOVIC 200 HOSE SPECIFICATIONS

I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4" x .500	6.4 x 12.7	250	1.7	.080	.119
3/8" x .656	9.5 x 16.7	250	1.7	.130	.193
1/2" x .795	12.7 x 20.2	250	1.7	.150	.223
3/4" x .935	15.9 x 23.7	250	1.7	.200	.298
1" x 1.055	19.1 x 26.9	250	1.7	.250	.372
1" x 1.300	25.4 x 33.0	250	1.7	.350	.521

The above working pressures are based on an ambient temperature of 70°F (21°C) and will vary inversely with temperature changes.



Goodyear Wingfoot Hose



GOODYEAR

Series 1010

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
**1/4 x .438	4.8 x 11.1	200	1.4	.07	.10
+***1/4 x .531	6.4 x 13.5	200	1.4	.10	.15
+1/4 x .543	6.4 x 13.8	300	2.1	.10	.15
+***1/4 x .625	7.9 x 15.9	200	1.4	.14	.21
**1/4 x .638	7.9 x 16.2	300	2.1	.14	.21
+1/4 x .688	9.5 x 17.5	200	1.4	.15	.23
1/4 x .688	9.5 x 17.5	300	2.1	.15	.23
+1/4 x .844	12.7 x 21.4	200	1.4	.21	.32
1/4 x .858	12.7 x 21.8	300	2.1	.21	.32
**1/4 x 1.000	15.9 x 25.4	200	1.4	.29	.43
+***1/4 x 1.015	15.9 x 25.8	300	2.1	.30	.45
+1/4 x 1.125	19.1 x 28.6	200	1.4	.33	.50
1/4 x 1.188	19.1 x 30.2	300	2.1	.40	.60
*1 x 1.47	25.4 x 37.3	200	1.4	.54	.80
+1 x 1.50	25.4 x 38.1	300	2.1	.55	.82
+***1/4 x 1.797	31.8 x 45.6	250	1.7	.74	1.11
+***1/4 x 2.094	38.1 x 53.2	250	1.7	.97	1.44

*Non stock size **No stock with Black cover ***Non stock with Blue cover

A good quality, economical, general purpose hose for industrial and agricultural service, compressor lines, pneumatic tools, water, low pressure spray, and many other applications where the need for oil resistance is moderate. Temperature range: -20°F (-29°C) to 180°F (82°C).

STRONG, PRESSURE RESISTANT. Wingfoot hose is made with a strong synthetic cord. A 4:1 safety factor applies to all published working pressures.

NON-CONDUCTIVITY: Minimum electrical resistance of one (1) megohm per inch of length of hose.

CONSTRUCTION: 3/16" x 1" spiral—over 1" braided
Tube: Black synthetic (High oil resistance—RMA designation: Class A)

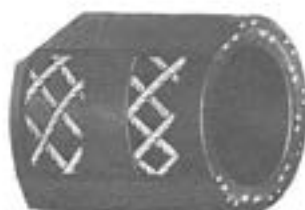
Reinforcement: Synthetic cord

Cover: Blue, black or red synthetic rubber (medium high oil resistance—RMA designation: Class B) (smooth finish)

LENGTHS: Long lengths on reels—specific lengths cut, coiled and tied

FITTINGS: Universal quick coupling, long and short shank, insert type, one-time or reattachable

Goodyear Ortac Hose



Series 1012

ORTAC* SPECIFICATIONS					
200 and 250 psi - Red Cover Only					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4 x .531	6.4 x 13.5	250	1.7	.09	.13
1/4 x .618	7.9 x 15.7	250	1.7	.14	.21
1/4 x .688	9.5 x 17.5	250	1.7	.15	.22
1/4 x .844	12.7 x 21.4	250	1.7	.20	.30
1/4 x 1.000	15.9 x 25.4	250	1.7	.26	.39
1/4 x 1.142	19.1 x 29.0	250	1.7	.34	.51
1 x 1.469	25.4 x 37.3	200	1.4	.51	.76
1 1/4 x 1.797	31.8 x 45.6	250	1.7	.72	1.07
1 1/4 x 2.094	38.1 x 53.2	250	1.7	.94	1.40
2 x 2.500	50.8 x 76.2	200	1.4	1.22	1.81

ORTAC* SPECIFICATIONS					
300 psi - Red Cover Only					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4 x .465	4.8 x 11.8	300	2.1	.07	.10
1/4 x .618	6.4 x 15.7	300	2.1	.14	.21
**1/4 x .681	7.9 x 17.3	300	2.1	.16	.24
1/4 x .740	9.5 x 18.8	300	2.1	.18	.27
1/4 x .898	12.7 x 22.8	300	2.1	.25	.37
1/4 x 1.063	15.9 x 27.0	300	2.1	.33	.49
1/4 x 1.188	19.1 x 30.2	300	2.1	.37	.55
1 x 1.500	25.4 x 38.1	300	2.1	.56	.83
1 1/4 x 1.828	31.8 x 46.4	300	2.1	.79	1.18
1 1/4 x 2.094	38.1 x 53.2	300	2.1	.94	1.40

Ortac are Goodyear's most popular premium quality multipurpose hoses for industrial applications. They are found in demanding applications in factories, construction, agriculture, quarries, mines, railroads, the oil and gas industry, and shipbuilding.

SAVES ON INVENTORY. Ortac hoses offer a one-hose solution to most hose problems. They handle air, oil, water and many chemicals as well as vegetable oil, animal fat, alkalies, salt solutions, kerosene, paraffin, grease, sprays, and many solvents. They also handle hot water up to 180°F (82°C), with or without cleaning solvents.

BUILT FOR SAFETY AND LONG LIFE. Ortac is constructed for maximum oil resistance throughout to handle a large variety of applications and materials with maximum safety. A tough, oil and abrasion resistant cover provides long hose life. A 4:1 safety factor applies to all published working pressures.

NON-CONDUCTIVITY: Minimum electrical resistance—one (1) megohm per inch of length of hose.

CONSTRUCTION—ORTAC: 3/16" x 1" spiral—over 1" braided.
Tube: Chemigum synthetic rubber (High Oil Resistance—RMA designation: Class A)

Reinforcement: Synthetic cord

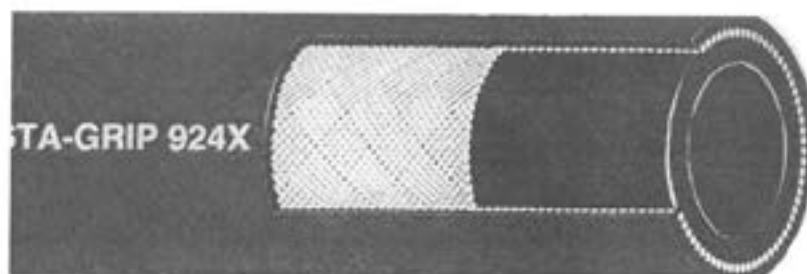
Cover: Red Carbyn synthetic rubber (High Oil Resistance—RMA designation: Class A) (Smooth Finish)

LENGTHS: Long lengths on reels through 1 1/2" 2" in cartons

FITTINGS: Universal quick coupling, long and short shank, insert type, one time or reattachable



Goodyear Insta-Grip Hose



Series 1606

SPECIFICATIONS					
I.D. x O.D.		WORKING PRESSURE		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4 x .543	6.4 x 13.8	300	2.1	.09	.13
1/2 x .615	7.9 x 15.6	300	2.1	.11	.16
3/4 x .678	9.5 x 17.2	300	2.1	.13	.19
1 x .810	12.7 x 20.6	300	2.1	.17	.25
1 1/4 x .925	15.9 x 23.5	300	2.1	.21	.31
1 3/4 x 1.05	19.1 x 26.6	300	2.1	.24	.36

Designed for use with push-on fittings at working pressures of 300 psi. For low pressure hydraulic and pneumatic systems such as robotics, shop air systems, general industrial, maintenance and automotive applications.

EASY ON-THE-JOB INSTALLATION. The special braided construction of Instagrip hose permits the use of easy-to-install push-on reusable couplings. Strong synthetic yarns are braided at precisely controlled angles to provide an inward gripping action under pressure. The higher the pressure, the more tightly the hose grips the coupling. A 4:1 safety factor applies to all published working pressures.

LOWER MAINTENANCE DOWNTIME COSTS. Because of the ease of repair, Instagrip hose keeps maintenance and downtime costs down. Quick repairs can be made right on the job with hose menders or couplings. Neither bands nor clamps are needed.

CONSTRUCTION:

Tube: Seamless, oil and heat resistant synthetic rubber

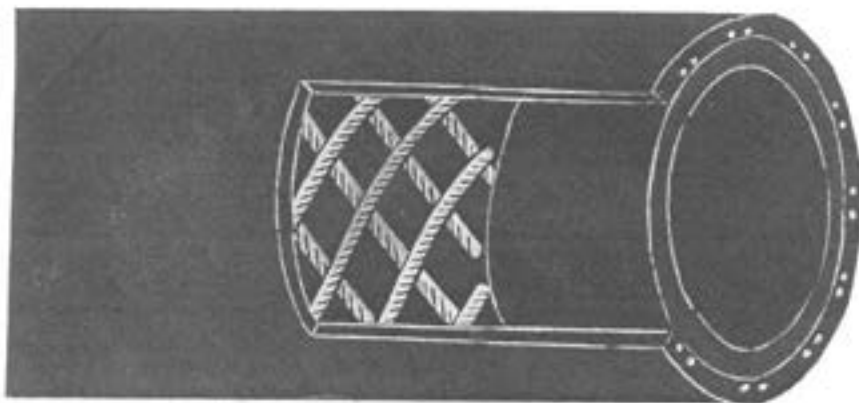
Reinforcement: One braid of high strength synthetic yarn laid at the most effective angle for maximum strength and coupling holding ability

Cover: Black, green, blue, red and gray oil, weather and abrasion resistant synthetic rubber

TEMPERATURE RANGE: -40° to 200°F (-40° to 93.3°C)

FEATURES: Will handle: air, water, lubricating oils and antifreeze
Easy fitting installation
Silicone free

Goodyear Acala Hose



GOOD YEAR

Series 1607

Designed for use with push-on fittings at working pressures of 250 psi for industrial service. Capable of handling temperatures of -20°F to +180°F.

EASY ON-THE-JOB INSTALLATION. The special 2-spiral construction of Acala hose permits the use of easy-to-install push-on reusable couplings. Strong synthetic cords are laid at a precisely controlled angle to provide an inward gripping action under pressure. The higher the pressure, the more tightly the hose grips the coupling. A 4:1 safety factor applies to all published working pressures.

MORE HOSE FOR THE MONEY. Acala is dimensionally stable with minimum shrinkage under pressure. That means 5-10% more useful hose length on the job. Acala hose handles air, water, oil, and grease. It's available in red, green or black covers for color coding.

LOWER MAINTENANCE AND DOWNTIME COSTS. Because of the ease of repair, Acala hose keeps maintenance and downtime costs down. Quick repairs can be made right on the job with hose menders or couplings. Neither bands nor clamps are needed.

NON-CONDUCTIVITY: Minimum electrical resistance — one (1) megohm per inch of length of hose.

CONSTRUCTION:

Tube: Black synthetic (High Oil Resistance — RMA designation: Class A)

Reinforcement: Synthetic cord

Cover: Red, Black, or Green Chemivac (Medium High Oil Resistance — RMA designation: Class B) (Smooth Finish)

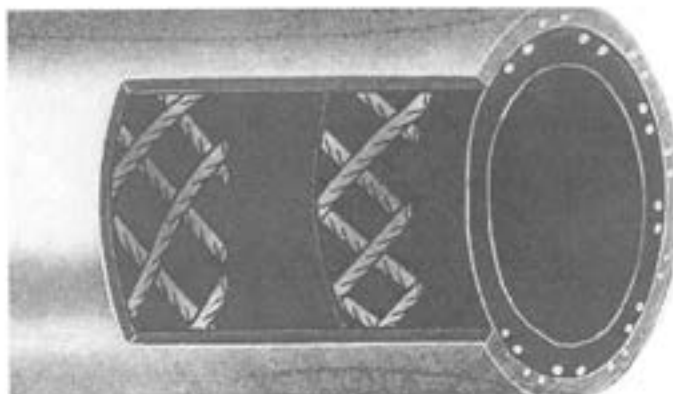
LENGTHS: Long lengths on reels

FITTINGS: Push-on type. Do not use clamps or bands on push-on type fittings

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4 x .504	6.4 x 12.8	250	1.7	.08	.12
1/2 x .646	9.5 x 16.4	250	1.7	.12	.18
3/4 x .772	12.7 x 19.6	250	1.7	.17	.25
1 x .937	15.9 x 23.8	250	1.7	.23	.34
1 1/4 x 1.079	19.1 x 27.4	250	1.7	.28	.42



Goodyear Gorilla Hose



Series 1011

Gorilla hose is a premium quality, multipurpose industrial hose with a wide range of applications in factories, construction, agriculture, quarries, mines, railroads, the oil and gas industry, and shipbuilding. All sizes are rated at 500 psi (3.4 MPa) maximum working pressure with a 4:1 safety factor.

FLEXTEN REINFORCED FOR HIGH BURST STRENGTH, LONG LIFE. Gorilla hose is reinforced with Flexten, Goodyear's aramid fiber, for long, economical life. Flexten cord has superior resistance to bending and pressure stresses, yet it's lighter in weight than comparable hose reinforcement.

MULTI-USE DESIGN SAVES ON INVENTORY. With its extraordinary application flexibility, Gorilla hose saves on inventory costs. It handles air, oil, water, and many acidic chemicals. And it's an excellent choice for vegetable oil, animal fat, alkalies, salt solutions, kerosene, paraffin, grease, sprays, and many solvents. It also handles hot water up to 190°F (88°C), with or without cleaning solvents.

HIGH IN OIL AND ABRASION RESISTANCE. The Gorilla hose cover is made with Goodyear's tough, abrasion and oil resistant Carbryn synthetic rubber. The tube is made of oil resistant Chemigum synthetic rubber. Both compounds have a record of long-lasting service in a wide range of severe applications.

NON-CONDUCTIVITY: Minimum electrical resistance—one (1) megohm per inch of length of hose.

CONSTRUCTION:

Tube: Chemigum synthetic rubber (High Oil Resistance—RMA designation: Class A)

Reinforcement: Flexten cord

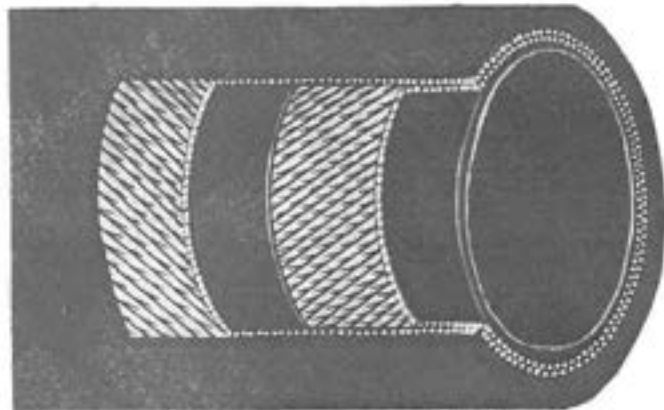
Cover: Yellow Carbryn synthetic rubber (High Oil Resistance—RMA designation: Class A) (Smooth Finish) MSHA approved

LENGTHS: Long lengths on reels through 1½" 2" in cartons

FITTINGS: Universal quick couplings, long shank, insert type or interlocking clamp type

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
½ x 0.472	4.8 x 12.0	500	3.4	.08	.12
¾ x 0.625	6.4 x 15.9	500	3.4	.14	.21
⅞ x 0.688	7.9 x 17.5	500	3.4	.17	.25
1 x 0.750	9.5 x 19.1	500	3.4	.19	.28
1 ⅛ x 0.906	12.7 x 23.0	500	3.4	.25	.37
1 ¼ x 1.063	15.9 x 27.0	500	3.4	.34	.51
1 ½ x 1.188	19.2 x 30.2	500	3.4	.39	.58
1 ¾ x 1.488	25.4 x 37.8	500	3.4	.57	.85
2 x 1.797	31.8 x 45.6	500	3.4	.74	1.10
2 ¼ x 2.039	38.1 x 51.8	500	3.4	.86	1.27
2 ½ x 2.620	50.8 x 66.5	500	3.4	1.19	1.76

Goodyear Plicord Hose



Series 1014

GOODYEAR

Plicord Air is a versatile, heavy-duty air hose for use in rough industrial applications as well as for severe service in mines, quarries, and construction jobs. Capable of handling temperatures of -25°F to 180°F.

EASY TO HANDLE, NON-KINKING. Plicord Air hose bends easily to fit into tight spots. Its high-strength reinforcement helps to resist crushing and kinking.

TOUGH, ABUSE RESISTANT COVER. A Plioflex synthetic rubber cover provides resistance to abrasion, cutting and gouging when the hose is dragged over hard, sharp material. The reinforcing members are impregnated with a special bonding rubber for tight adhesion.

CONSTRUCTION:

Tube: Black Plioflex

Reinforcement: Synthetic fabric

Cover: Green or Yellow Plioflex synthetic rubber (Wrapped Finish)

LENGTHS: Stocked in 100 ft. lengths. Up to 400 ft. lengths available on special request

FITTINGS: Universal quick acting, long shank, or interlocking clamp type

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
½ x ¾	13.0 x 22.8	300	1.7	.24	.36
¾ x 1 ¼	19.6 x 31.9	300	1.7	.45	.67
1 x 1 ½	25.4 x 38.9	300	1.7	.61	.89
1 ¼ x 1 ¾	32.0 x 45.6	300	1.7	.73	1.07
1 ½ x 2 ¼	38.0 x 50.8	300	1.7	.84	1.25
2 x 2 ½	51.2 x 66.0	300	1.7	1.20	1.74
2 ½ x 3 ¼	63.7 x 80.5	300	1.7	1.68	2.40
3 x 3 ¾	76.1 x 94.6	300	1.7	2.15	3.04



Air Hose



Series 1018

PLICORD ROCK DRILL

A heavy duty, high pressure hose designed for pneumatic service in mining, construction, and industrial service where working conditions are especially severe. Capable of handling temperatures of -40°F to 220°F.

TOUGH, ABUSE RESISTANT COVER. Plicord Rock Drill hose is built with a rugged Versigard synthetic rubber cover to withstand constant abrasion where hose is subject to severe cutting and gouging.

WIRE REINFORCED. Plicord Rock Drill hose is built with plies of strong spiral wire. This rugged, hard-working hose construction provides extra strength without the loss of flexibility.

BUILT FOR ENDURANCE. The tube in Plicord Rock Drill hose is a special heat resistant Versigard synthetic rubber compound for long, dependable service.

EASY IDENTIFICATION. A bright blue cover with a spiral yellow stripe makes this hose easy to identify.

CONSTRUCTION:

Tube: Black, heat resistant Versigard synthetic rubber

Reinforcement: Spiral steel wire

Cover: Blue Versigard synthetic rubber with spiral yellow stripe

LENGTHS: Sizes 1" through 3" made in 100 ft. lengths
4" size available in 50 ft. lengths

FITTINGS: One time or interlocking clamp type

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1 x 1 1/8	25.4 x 42.5	750	5.1	.94	1.46
1 1/8 x 1 7/8	32.0 x 49.2	600	4.1	1.13	1.74
1 7/8 x 2 1/8	38.0 x 57.6	500	3.4	1.47	2.25
2 x 2 1/8	51.2 x 70.8	500	3.4	1.88	2.85
2 1/8 x 3	63.7 x 83.3	500	3.4	2.26	3.42
3 x 3 3/8	76.1 x 99.3	500	3.4	3.19	5.37
4 x 4 3/8	102.1 x 126.5	400	2.7	4.32	7.23

WIRE BRAID AIR HOSE

Series 1015E

USES Mainly used by mining and heavy construction industries for applications involving high pressure air or water and where hose is subjected to tough working conditions. Also used by general industry for a multitude of applications including transfer of many liquids.

CONSTRUCTION Oil resistant tube, yellow wear resistant cover, and steel wire reinforcement.

LENGTHS Standard is 50 ft.—will cut any length—100 ft. lengths on special order.

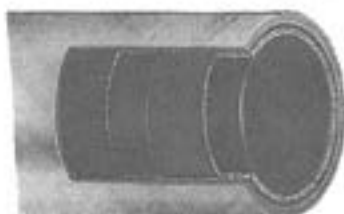
FITTINGS Will supply **Boss Hi-pressure** or **Universal** couplings with bolted clamps.



Size (ID)	OD (ins.)	WT (lbs./ft.)	WP (psi)
1/2"	1	.40	1000
3/4"	1 1/16	.60	1000
1"	1 1/2	.75	1000
1 1/4"	1 3/4	1.20	600
1 1/2"	2 1/16	1.35	600
2"	2 1/8	1.70	600
2 1/2"	3 1/16	2.00	600
3"	3 3/4	2.50	400
4"	5	4.00	400



Goodyear Plicord Steel Air Hose



**Series
1015**

A high pressure air hose for heavy-duty service in construction, mines, quarries, and industry. Max. temperature is 180°F.

STEEL WIRE REINFORCEMENT FOR SAFETY. Plicord Steel Air hose is built specifically for applications where extra strength is needed to safely handle high volume, high pressure air. Its high tensile wire offers the strength to handle working pressures up to 500 psi (3.4 MPa) with a 4:1 (minimum) safety factor.

HEAT AND ABUSE RESISTANT. Plicord Steel Air hose has a special synthetic tube to resist the effects of heated air and oil in the lines. The cover is compounded to resist oil, abrasion, weather, aging, impact and severe external abuse.

CONSTRUCTION:

Tube: Black synthetic rubber (RMA designation Class A)

Reinforcement: Steel wire

Cover: Yellow Plioflex (Wrapped Finish)

Also available with Versigard tube and cover where superior heat resistance is more important than oil resistance.

FITTINGS: Interlocking clamp type

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/2 x 1 1/4	13.0 x 25.8	500	3.4	.40	.60
3/4 x 1 5/8	19.6 x 25.6	500	3.4	.65	.95
1 x 1 7/8	25.4 x 41.7	500	3.4	.87	1.28
1 1/2 x 2 1/4	38.0 x 54.4	500	3.4	1.22	1.93
2 x 2 3/4	51.2 x 67.6	500	3.4	1.56	2.48
2 1/2 x 3 1/4	63.7 x 84.5	500	3.4	2.60	3.81
3 x 3 3/4	76.1 x 96.9	500	3.4	3.03	4.45
4 x 4 3/4	102.1 x 124.5	500	3.4	4.31	6.93

Goodyear Super Ortac Hose



**Series
1016**

A premium quality braid multipurpose hose for handling a variety of applications and materials. It is excellent for underground and hardrock mining, quarries, construction, agriculture, and industry. Maximum temperature is 200°F.

ALL PURPOSE CONSTRUCTION. Super Ortac reduces inventory because one hose handles applications ranging from rock drill and air hammer service, to water jetting and carrying oil, air, water, petroleum base products, agricultural spray solutions and many chemicals. It handles high pressures up to 1000 psi (6.9 MPa), with a 4:1 safety factor, yet remains flexible and easy to handle.

OIL AND ABRASION RESISTANT. A special Chemigum tube offers excellent resistance to oil, chemicals and heat. Its Chemivic cover offers superior abrasion and oil resistance and retains its abrasion resistance even after exposure to oil.

REDUCE COST, EASY IDENTIFICATION. Long length constructions through 2" I.D. reduces coupling costs and minimizes troublesome coupling connections. Its bright yellow Chemivic

cover helps to identify it as high pressure hose. The cover is flame-resistant and meets flame test requirements of M.S.H.A. Schedule 2G—Section 18.65. Branded M.S.H.A. 2G-14C.

CONSTRUCTION:

Tube: Chemigum (Oil Resistant) synthetic rubber

Reinforcement: Braided wire

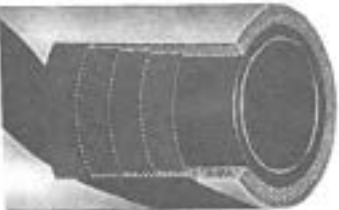
Cover: Yellow Chemivic synthetic rubber (Oil Resistant) (Smooth Finish)

LENGTHS: Long lengths on reels, or 50 ft. (15.2 M) lengths

FITTINGS: Interlocking clamp type, universal quick action, long shank (2 bands), or hydraulic type

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/2 x 1 1/4	12.7 x 23.0	1000	6.9	.35	.52
3/4 x 1 1/2	19.1 x 29.0	1000	6.9	.43	.64
1 x 1 3/4	25.4 x 36.5	1000	6.9	.64	.95
1 1/2 x 1 3/4	31.8 x 46.0	1000	6.9	1.02	1.52
1 1/2 x 2	38.1 x 50.8	1000	6.9	1.06	1.58
2 x 2 1/2	50.8 x 64.3	1000	5.4	1.49	2.22

Goodyear Super Rock Drill Hose



**Series
1019**

A heavy duty, high pressure hose designed for pneumatic service in mining, construction, and industrial service where working conditions are especially severe.

TOUGH, ABUSE RESISTANT COVER. Plicord Super Rock Drill hose is built with a rugged oil resistant Chemivic (ORS) (MSHA) rubber cover.

WIRE REINFORCED. Plicord Super Rock Drill hose is built with plies of strong spiral wire. This rugged, hard-working hose construction provides extra strength without the loss of flexibility.

BUILT FOR ENDURANCE. The tube in Plicord Super Rock Drill hose is a special heat resistant Chemigum (ORS) rubber compound for long, dependable service.

GOODYEAR

CONSTRUCTION:

Tube: Black, heat resistant Chemigum (ORS) synthetic rubber

Reinforcement: Spiral steel wire

Cover: Yellow Chemivic (ORS) (MSHA) rubber with spiral blue transfer stripe

LENGTHS: Sizes 2" through 3" made in 100 ft. lengths
4" size available in 50 ft. lengths

FITTINGS: One time or interlocking clamp type

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
2 x 2 1/4	51.2 x 71.6	500	3.4	2.11	3.14
2 1/2 x 3 1/4	63.7 x 87.7	500	3.4	2.96	4.40
3 x 3 1/4	76.1 x 100.1	500	3.4	3.45	5.13
4 x 4 1/4	102.1 x 126.1	400	2.7	4.54	6.75



Goodyear Viper™ Chemical Transfer Hose


GOODYEAR
Series 1106
APPLICATION:

For the transfer of a variety of current industrial chemicals used today. (Refer to Goodyear Chemical Resistance Guide for compatibility.) For use in pressure, gravity flow and/or suction service. Hose may be cleaned using open-end steam up to 50 psi or in a bath containing 10% Sodium Hydroxide (NaOH), up to 212°F (100°C).

CONSTRUCTION:
TUBE:

Beige Alphasyn™ Modified Cross Linked Polyethylene

REINFORCEMENT:

Spiral plied synthetic fabric with double wire helix

COVER:

Black Omegasyn™ abrasion resistant EPDM with white spiral stripe

TEMPERATURE:

-40°F to 250°F (-40°C to 121°C) normal service. Viper chemical hose will handle fluid up to 250°F, however, this rating is contingent on the specific chemical conveyed. Contact Goodyear Customer Service at 1-800-235-4632 for any chemical above the temperature stated in the Goodyear Chemical Resistance Guide.

PACKAGING:

100' length coiled, polywrapped

BRANDING:

Spiral brand "Goodyear Viper Chemical Transfer 200 psi WP. Caution: Hose and couplings should be inspected prior to each use. Use of damaged assembly could be hazardous."

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Use permanent fittings for fluid temperature above 125°F (52°C) and up to 250°F (121°C)

NON-STOCK/SAMPLES:

400' minimum order for color change or special branding

ORDER CODES:

546-345

NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m
1	25.40	162/64	49.90	200	1.4	4.0	102	29	736.6	.61	.88
1 1/2	38.10	163/64	50.30	200	1.4	5.0	127	29	736.6	.85	1.33
2	50.80	236/64	64.90	200	1.4	7.0	178	29	736.6	1.22	1.82
2 1/2	63.50	31/64	76.30	200	1.4	8.0	203	29	736.6	1.60	2.41
3	76.20	341/64	92.20	200	1.4	10.0	254	29	736.6	2.05	3.05
4	101.60	442/64	117.90	200	1.4	14.0	356	29	736.6	2.73	3.94

Note: Refer to the Goodyear Chemical Resistance Chart for Specific Chemical and Temperature Compatibility.



Goodyear Fabchem Hose

FABCHEM™



Series 1107

Fabchem™ chemical transfer hose is a significant improvement in transferring chemicals. It handles 98% of common industrial chemicals in pressure, gravity flow and suction service. The temperature range is -40° to 150°F. (-40° to 70°C).

SPECIAL TUBE COMPOUND. The tube in Fabchem hose is an ultra high molecular weight polyethylene we call Pliosyn™. For quick and easy changes when transferring a variety of chemicals, Fabchem hose can be steam cleaned which also helps prevent contamination of the chemicals being transferred.

EASY TO USE, LASTS LONGER. Fabchem hose is easier to use than standard XLPE hose. It is lighter in weight, easier to handle, more flexible and has up to half the bend radii. For prolonged service, Fabchem hose has very low permeation and outstanding adhesions.

MORE COST EFFICIENT. Fabchem hose's low coefficient of friction allows for faster, more cost efficient product transfer. By handling 98% of common industrial chemicals, Fabchem hose will reduce inventories and operating costs.

CONSTRUCTION:

Tube: Pliosyn (ultra high molecular weight polyethylene)
Reinforcement: Synthetic fabric with double wire helix
Cover: Green Versigard with bright orange longitudinal stripe
Branding: Continuous mylar tape, "Goodyear Fabchem Chemical Transfer hose 200 PSI W.P. Made in Canada"

LENGTHS: 100' (custom built lengths available)

FITTINGS: Quick acting, reattachable, or one-time

SPECIFICATIONS

I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb/ft.	kg/m.
3/8 x .90	12.7 x 24.0	200	1.38	3	76	.30	.39
1/2 x 1.16	19.1 x 30.7	200	1.38	3.5	90	.42	.55
1 x 1.40	25.4 x 37.0	200	1.38	4	102	.55	.75
1 1/8 x 1.67	31.8 x 44.1	200	1.38	4	102	.70	.90
1 3/8 x 1.91	38.1 x 50.1	200	1.38	5	127	.81	1.04
2 x 2.48	50.8 x 64.8	200	1.38	6	152	1.15	1.51
2 1/2 x 3.13	63.5 x 79.7	200	1.38	8	203	1.70	2.61
3 x 3.62	76.2 x 92.2	200	1.38	9	229	2.02	3.15
4 x 4.67	101.6 x 118.7	200	1.38	10	254	2.69	4.19
5 x 5.68	127 x 144.4	200	1.38	14	356	3.99	5.95
6 x 6.81	152.4 x 172.7	200	1.38	16	406	6.46	9.63



Goodyear Brown Flexwing Hose

A versatile chemical hose capable of handling a wide variety of acids, alcohols, salt solutions, and petroleum base products. Capable of handling temperatures of up to 275°F.

CONSTRUCTION:

Tube: Black Chemrin

Reinforcement: Synthetic fabric with double wire helix

Cover: Brown Versigard synthetic rubber with white spiral brand

LENGTHS: 100 ft. lengths

FITTINGS: Quick acting, reattachable, or one-time

Series
1108



SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
In.	mm	psi	MPa	In.	mm	lb./ft.	kg./m.
1 x 1 1/4	25.4 x 37.3	150	1.0	3 1/2	89	.54	.83
1 1/2 x 1 1/2	32.0 x 43.9	150	1.0	4	102	.65	1.06
1 1/2 x 2 1/2	38.0 x 51.3	150	1.0	4	102	.89	1.43
2 x 2 1/2	51.2 x 64.8	150	1.0	5	127	1.19	1.79
2 1/2 x 3 1/2	63.7 x 78.6	150	1.0	6	152	1.62	2.37
3 x 3 1/2	76.1 x 91.8	150	1.0	7	178	2.00	2.95
4 x 4 1/2	102.1 x 118.1	150	1.0	10	254	2.88	4.24
6 x 6 1/2	152.6 x 175.5	150	1.0	30	762	6.03	9.95

Goodyear Purple Flexwing Hose

Purple Flexwing is a versatile hose developed to handle a wide range of chemicals, acids and alcohols in both suction and discharge service. Refer to the chemical recommendation guide for specific service recommendations. Capable of handling temperatures of -40° to 220°F.

CONSTRUCTION:

Tube: Black Versigard synthetic rubber

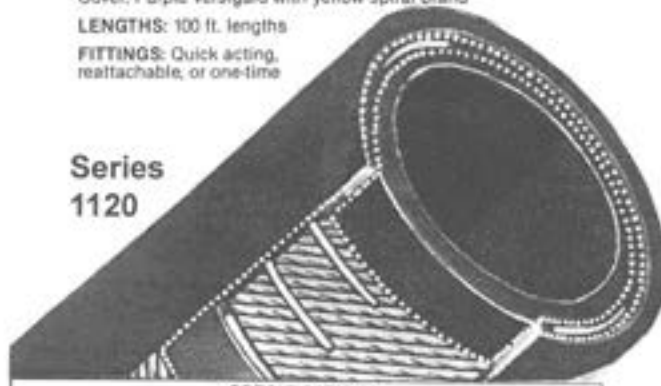
Reinforcement: Synthetic fabric with double wire helix

Cover: Purple Versigard with yellow spiral brand

LENGTHS: 100 ft. lengths

FITTINGS: Quick acting, reattachable, or one-time

Series
1120



SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
In.	mm	psi	MPa	In.	mm	lb./ft.	kg./m.
1 1/2 x 2 1/2	38.0 x 51.3	150	1.0	4	102	.88	1.31
2 x 2 1/2	51.2 x 64.8	150	1.0	5	127	1.18	1.76
3 x 3 1/2	76.1 x 91.8	150	1.0	7	178	1.84	2.74
4 x 4 1/2	102.1 x 119.1	150	1.0	10	254	2.83	4.21

Goodyear Gray Flexwing Hose

General purpose hose for acid and chemical handling. Capable of handling temperatures of -30° to 220°F.

CONSTRUCTION:

Tube: Black Weatherex synthetic rubber

Reinforcement: Synthetic fabric with double wire helix

Cover: Gray Versigard synthetic rubber with red spiral stripe

LENGTHS: 100 ft. lengths

FITTINGS: Quick acting, reattachable, or one-time



SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
In.	mm	psi	MPa	In.	mm	lb./ft.	kg./m.
1 x 1 1/4	25.4 x 40.1	150	1.0	3 1/2	89	.71	1.09
1 1/2 x 1 1/2	32.0 x 46.6	150	1.0	4	102	.86	1.37
1 1/2 x 2 1/2	38.0 x 52.6	150	1.0	4	102	.99	1.56
2 x 2 1/2	51.2 x 67.2	150	1.0	5	127	1.37	2.05
2 1/2 x 3 1/2	63.7 x 80.6	150	1.0	6	152	1.79	2.60
3 x 3 1/2	76.1 x 94.2	150	1.0	7	178	2.25	3.30
4 x 4 1/2	102.1 x 120.2	150	1.0	10	254	3.02	4.43
6 x 6 1/2	152.7 x 174.8	150	1.0	30	762	5.83	8.44

Goodyear Orange Flexwing Hose

A premium hose for aromatic solvents such as benzene, toluene, and chlorinated hydrocarbons. Capable of handling temperatures of -25° to 250°F.

CONSTRUCTION:

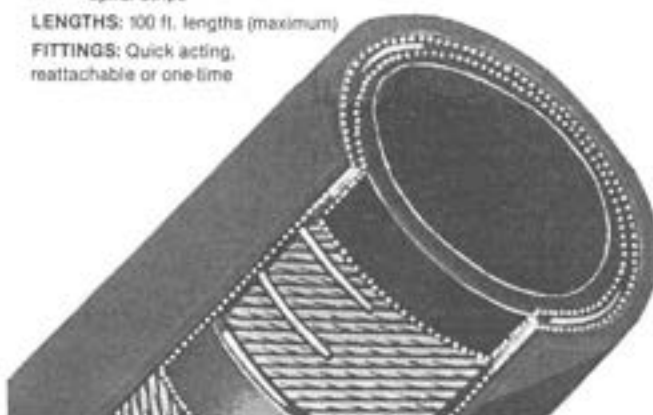
Tube: Black Flosyn synthetic rubber (ORS)

Reinforcement: Synthetic fabric with double wire helix

Cover: Orange Chemivac synthetic rubber (ORS) with black spiral stripe

LENGTHS: 100 ft. lengths (maximum)

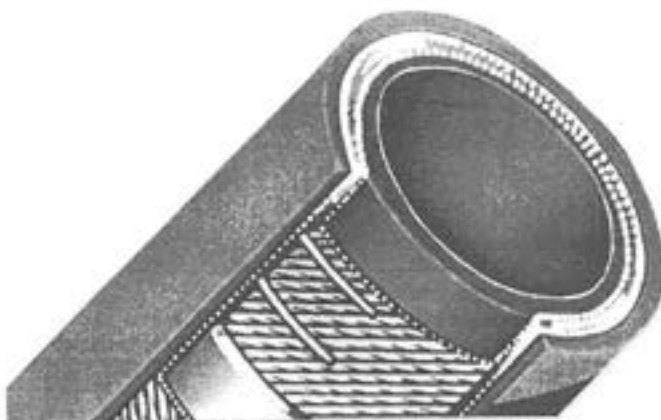
FITTINGS: Quick acting, reattachable or one-time



SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
In.	mm	psi	MPa	In.	mm	lb./ft.	kg./m.
1 x 1 1/4	25.4 x 38.6	150	1.0	3 1/2	89	.61	.88
1 1/2 x 1 1/2	32.0 x 44.1	150	1.0	4	101	.79	1.21
1 1/2 x 2 1/2	38.0 x 50.1	150	1.0	4	101	.95	1.40
2 x 2 1/2	51.2 x 65.6	150	1.0	5	127	1.45	2.20
2 1/2 x 3 1/2	63.6 x 78.2	150	1.0	6	152	1.77	2.68
3 x 3 1/2	76.1 x 91.4	150	1.0	7	178	2.24	3.30
4 x 4 1/2	102.1 x 119.1	150	1.0	10	254	3.31	4.87
6 x 6 1/2	152.7 x 172.9	150	1.0	30	762	6.29	9.21



Goodyear Tan Flexwing Hose



Recommended for acids, alcohol bases, and salt solutions.
Capable of handling temperatures of -40° to 180°F.

CONSTRUCTION:

Tube: 1/2" Tan Pureten gum rubber (Non-ORS) (FDA compliance)

Reinforcement: Synthetic fabric with double wire helix

Cover: Tan Plioflex synthetic rubber (Non-ORS) with a blue spiral stripe

LENGTHS: 100 ft. lengths

FITTINGS: Quick acting, reattachable, or one-time.

SPECIFICATIONS								
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT		
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.	
1 x 1 1/2	25.4 x 41.2	150	1.0	3 1/2	89	.74	1.12	
1 1/2 x 1 3/4	32.0 x 48.5	150	1.0	4	101	.93	1.38	
1 3/4 x 2 1/4	38.0 x 54.5	150	1.0	4	101	1.06	1.59	
2 x 2 1/2	51.2 x 68.0	150	1.0	5	127	1.41	2.17	
2 1/2 x 3 1/4	63.7 x 82.2	150	1.0	6	152	1.90	2.83	
3 x 3 3/4	76.1 x 95.3	150	1.0	7	178	2.29	3.45	
4 x 4 3/4	102.1 x 122.9	150	1.0	10	254	3.34	4.92	
6 x 6 1/2	152.7 x 176.7	150	1.0	30	762	5.97	9.16	

Goodyear Yellow Flexwing Hose



Yellow Flexwing is an all around chemical hose designed for handling organic and inorganic acids, alcohols and many chemicals. Capable of handling temperatures of -30° to 220°F.

CONSTRUCTION:

Tube: Black Hysunite synthetic rubber

Reinforcement: Synthetic fabric with double wire helix

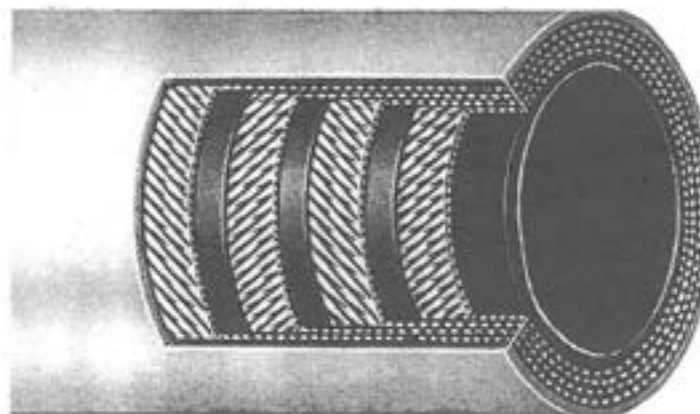
Cover: Yellow Versigard synthetic rubber with black spiral brand

LENGTHS: 100 ft. lengths

FITTINGS: Quick acting, reattachable, or one-time.

SPECIFICATIONS								
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT		
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.	
1 x 1 1/2	25.4 x 38.6	150	1.0	3 1/2	89	.66	1.22	
1 1/2 x 1 3/4	32.0 x 47.6	150	1.0	4	101	1.02	1.50	
1 3/4 x 2 1/4	38.0 x 53.6	150	1.0	4	101	1.17	1.73	
2 x 2 1/2	51.2 x 68.4	150	1.0	5	127	1.61	2.50	
2 1/2 x 3 1/4	63.7 x 81.0	150	1.0	6	152	1.99	3.02	
3 x 3 3/4	76.1 x 94.2	150	1.0	7	178	2.46	3.69	
4 x 4 3/4	102.1 x 121.9	150	1.0	10	254	3.58	5.37	
6 x 6 1/2	152.6 x 175.2	150	1.0	30	762	6.37	9.46	

Goodyear Chem-Acid Hose

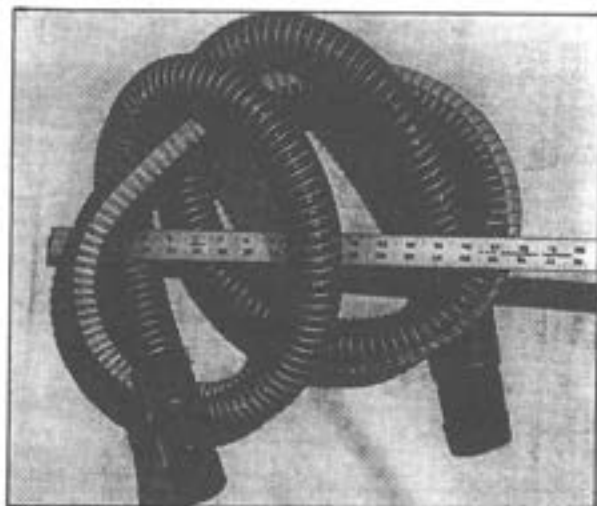


GOODYEAR

Chem-Acid hose cover and tube constructions are identical with the Flexwing hose of the same color code so the same chemical handling properties are available. Since the Chem-Acid hose is intended for discharge service, only they are built without spiral wire helix reinforcement. Chem-Acid hose is capable of handling temperatures of -30° to 220°F.



Composite Hose & Fittings



Series 1112

1114

1443

**Super Flexibility &
Hi-Heat Resistant...**

**For Chemical, Hydrocarbon,
Marine, Cryogenics and Petroleum**



TYPE 1

DESCRIPTION: MALE N.P.T. NIPPLE

SIZE: 1, 1½, 2, 2½, 3, 4, 6, 8

MATERIAL: CARBON STEEL, ALUMINUM, STAINLESS STEEL

ATTACHMENT: CARBON STEEL OR STAINLESS STEEL FERRULE EXTERNALLY SWAGED ONTO HOSE



TYPE 2

DESCRIPTION: FEMALE N.P.T. PIN-LUG SWIVEL

SIZE: 1½, 2, 2½, 3, 4

MATERIAL: CARBON STEEL, STAINLESS STEEL

ATTACHMENT: CARBON STEEL OR STAINLESS STEEL FERRULE EXTERNALLY SWAGED ONTO HOSE



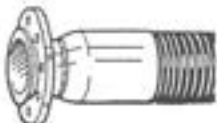
TYPE 3

DESCRIPTION: 150 LB. FIXED FLANGE

SIZE: 1, 1½, 2, 2½, 3, 4, 6, 8

MATERIAL: CARBON STEEL, STAINLESS STEEL

ATTACHMENT: CARBON STEEL OR STAINLESS STEEL FERRULE EXTERNALLY SWAGED ONTO HOSE



TYPE 4

DESCRIPTION: 150 LB. FLOATING FLANGE

SIZE: 1, 1½, 2, 2½, 3, 4, 6, 8

MATERIAL: CARBON STEEL STUB END/CARBON STEEL FLANGE

ATTACHMENT: STAINLESS STEEL STUB END/CARBON STEEL FLANGE
CARBON STEEL OR STAINLESS STEEL FERRULE EXTERNALLY SWAGED ONTO HOSE



TYPE 5

DESCRIPTION: MALE CAM LOCK COUPLING

SIZE: 1½, 2, 3, 4

MATERIAL: CARBON STEEL, ALUMINUM, BRONZE, STAINLESS STEEL

ATTACHMENT: CARBON STEEL OR STAINLESS STEEL FERRULE EXTERNALLY SWAGED ONTO HOSE



TYPE 6

DESCRIPTION: FEMALE CAM LOCK COUPLING

SIZE: 1½, 2, 3, 4

MATERIAL: CARBON STEEL, ALUMINUM, BRONZE, STAINLESS STEEL

ATTACHMENT: CARBON STEEL OR STAINLESS STEEL FERRULE EXTERNALLY SWAGED ONTO HOSE



TYPE 7

DESCRIPTION: TTMA FIXED FLANGE

SIZE: 3, 4

MATERIAL: CARBON STEEL

ATTACHMENT: CARBON STEEL FERRULE EXTERNALLY SWAGED ONTO HOSE

**MAKE THE
CONNECTION...**



CALL or FAX



for complete
Hose Assemblies



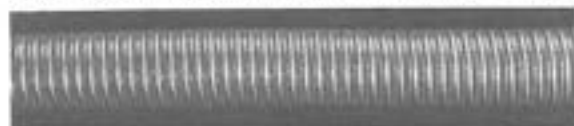


Composite Hose

PGP/SSP STANDARD CHEMICAL

Peraflex PGP and SSP composite hose are specifically designed for use with today's wide range of industrial chemicals.

Chemical resistance is achieved by using seamless polypropylene tubes in conjunction with multiple wraps of chemically resistant plastic film. This construction eliminates potential leaks without sacrificing flexibility, durability, or safety.



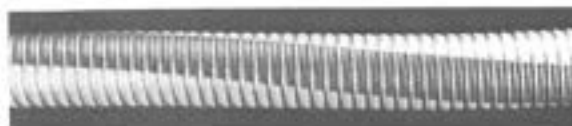
PGP Standard Chemical

TYPICAL APPLICATIONS

- Chemical Carriers
- Ship-to-Shore Transfer
- In-Plant Service
- Rail Tankers

SST/SGT AGGRESSIVE CHEMICAL

The unique, chemically inert quality of Teflon makes Peraflex SST and SGT hose ideal for the transfer of aggressive chemicals and solvents. Both types of hose are constructed around a Teflon® (PTFE or FEP) inner liner that is reinforced with additional layers of film and tubes.



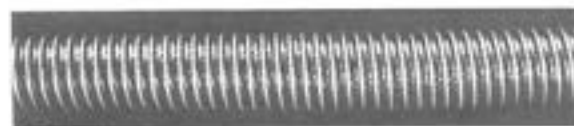
SGT Aggressive Chemical

TYPICAL APPLICATIONS

- Oleum
- Ester Solvents
- Ketones
- Chlorinated Solvents

GGP HYDROCARBON

Peraflex GGP composite hose is designed specifically for the transfer of hydrocarbon products. Common uses include truck, refinery, or terminal applications. This hose meets or exceeds the strict requirements necessary for the transfer of hydrocarbon products.



GGP Hydrocarbon

TYPICAL APPLICATIONS

- Petroleum
- Fuel Oils
- Diesel
- Solvents
- Kerosenes
- 100% Aromatics

BL-GGP BOTTOM LOADING

Peraflex Bottom Loading Hose is constructed for optimum safety. It's double grounded and is manufactured with a fire and abrasion resistant cover and a fire resistant interior. Lightweight and easy to handle, this hose is ideal for bottom loading applications when transferring hydrocarbon and high aromatic products in refinery and distribution terminals.



BL-GGP Bottom Loading

LARGE BORE MARINE

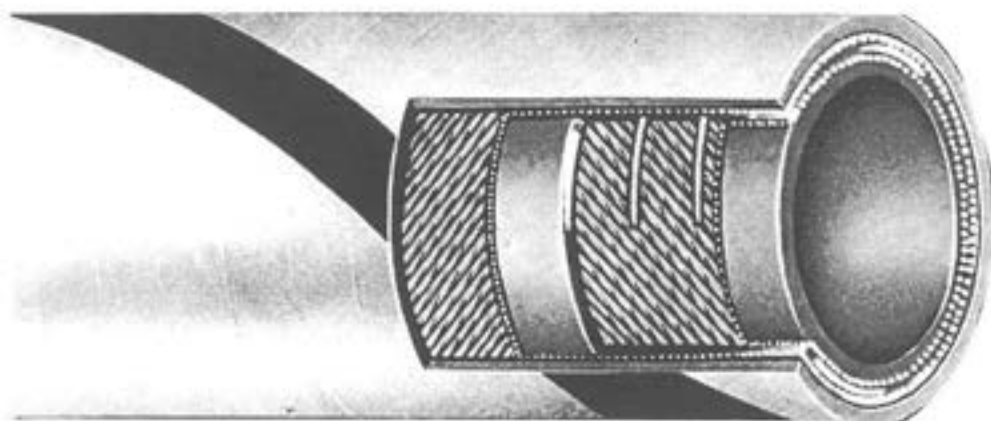


Large Bore Marine

Large Bore Marine composite hose is designed to withstand the rigorous demands of the marine unloading environment. It's lightweight and flexible for easy handling and a high-strength ballistic nylon cover insures long service life.

Marine hose maintains excellent safety standards. Typical uses include barge loading and unloading, ship-to-shore transfer, and other marine applications. Each hose is pressure tested, comes with a test report, and meets U.S. Coast Guard regulations.

Goodyear White Flexwing Hose



Highly flexible hose for gravity flow, pressure or suction service transferring edibles from tank truck and in-plant service. Capable of handling temperatures from -25° to 180°F.

CONSTRUCTION:

Tube: White Chemivac (FDA, 3-A and USDA compliance)
Reinforcement: Wire helix between plies of synthetic fabric
Cover: White Chemivac (Whipped Finish)

LENGTHS: 100 ft.

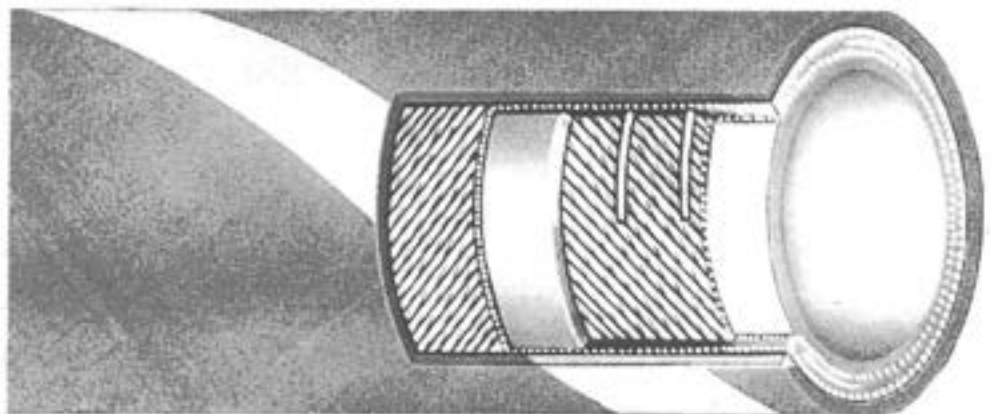
FITTINGS: Quick acting, reattachable or one-time

*Reference index for information regarding FDA designation.

SPECIFICATIONS

I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
1/2 x 1 1/4	19.0 x 30.4	150	1.0	2	50	.46	.68
1 x 1 1/2	25.3 x 38.6	150	1.0	3	76	.58	.85
1 1/2 x 1 3/4	38.0 x 50.1	150	1.0	4	102	.88	1.34
2 x 2 1/2	51.2 x 64.4	150	1.0	4 1/2	114	1.26	1.99
2 1/2 x 3 1/2	63.7 x 79.1	150	1.0	5 1/2	146	1.90	2.68
3 x 3 1/2	76.1 x 91.8	150	1.0	7	178	2.26	3.26
4 x 4 1/2	102.1 x 118.0	150	1.0	10	254	3.10	5.04

Goodyear Plicord Gray Food FDA Hose



GOODYEAR

Series 1206

Highly flexible hose for gravity flow, pressure or suction service transferring edibles from tank truck and in-plant service. Capable of handling temperatures from -25° to 180°F.

PROTECTS AGAINST CONTAMINATION. White, oil-resistant Chemivac synthetic rubber tube conforms to FDA, USDA and 3-A Sanitary Standards*. Merit smooth chlorobutyl tube finish eliminates chance of taste or odor transfer.

CONSTRUCTION:

Tube: White Chemivac (FDA, 3-A and USDA compliance)
Reinforcement: Wire helix between plies of synthetic fabric
Cover: Gray Chemivac synthetic rubber (Whipped Finish)

LENGTHS: 100 ft.

FITTINGS: Quick acting, reattachable or one-time

SPECIFICATIONS

I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
1 1/2 x 1 3/4	38.0 x 50.0	150	1.0	4	102	.88	1.34
2 x 2 1/2	51.0 x 65.3	150	1.0	4 1/2	114	1.41	1.99
2 1/2 x 3 1/2	63.5 x 78.6	150	1.0	6	152	1.79	2.73
3 x 3 1/2	76.0 x 91.0	150	1.0	7	178	2.10	3.26
4 x 4 1/2	102.0 x 117.6	150	1.0	10	254	3.04	5.04

*Reference index for information regarding FDA, USDA and 3-A compliance.

Goodyear White Flextra Hose


GOODYEAR

Lightweight, highly flexible hose for transferring edibles under suction or pressure on tank truck or in-plant service. Capable of handling temperatures from -25° to 180°F.

MULTI-USE VERSATILITY. Strong construction and extreme oil resistance combine to make this rugged hose suitable for hard-to-handle food products such as milk, vinegar, wine and distilled liquor.

CONSTRUCTION:

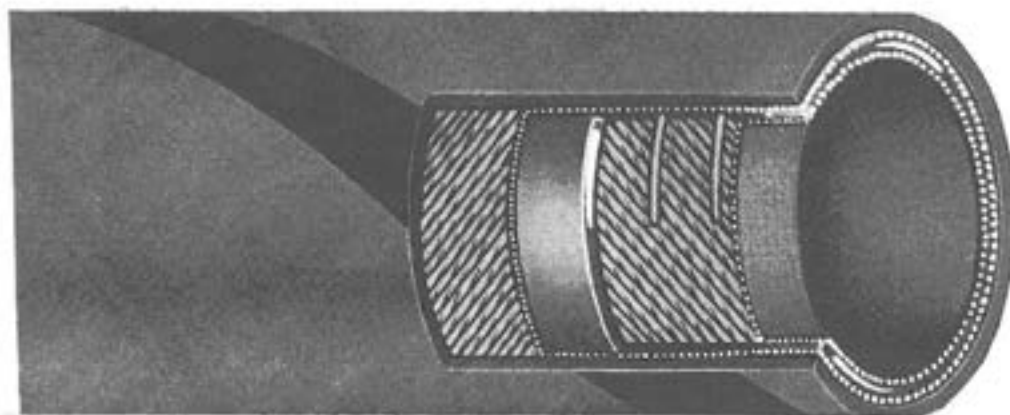
Tube: White Chemvic (FDA, 3-A and USDA compliance)
Reinforcement: Wire helix between plies of synthetic fabric
Cover: White Corrugated Chemvic synthetic rubber

LENGTHS: 100 ft. through 4", 50 ft. in sizes 5" and 6"

FITTINGS: Quick acting, reattachable or one-time

SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
1½ x 2¼	38.0 x 49.8	75	.52	4	101.6	.88	1.34
2 x 2½	51.2 x 63.1	75	.52	5	127.0	1.14	1.79
2½ x 3	63.7 x 75.5	75	.52	6	152.4	1.43	2.19
3 x 3½	76.1 x 88.7	75	.52	7	177.8	1.81	2.66
4 x 4½	102.1 x 115.5	75	.52	10	254.0	2.51	3.70

Goodyear Tan Flexwing FDA Hose



Designed for tank truck and in-plant service to convey abrasive, non-oily materials. Meets FDA compliance* for food handling in both suction and discharge service. Not recommended for handling materials where static electricity buildup is a problem. Capable of handling temperatures from -40° to 180°F.

STRONG, RELIABLE. Tan Flexwing hose, with its Pureten gum rubber tube, offers long-lasting resistance to attack from more than 175 chemicals, ranging from dilute acetic acid to zinc sulfate. It is reinforced with a spiral wire helix, protected on the outside with a highly abrasive and acid-resisting Plioflex rubber cover.

LONG LASTING, EASILY AVAILABLE. The tube of Tan Flexwing hose is a heavy 3/16" thick. It has excellent abrasion resistance for long-term performance in handling abrasive, corrosive slurries. Popular sizes are carried in stock, to minimize downtime.

CONSTRUCTION:

Tube: Tan Pureten gum rubber
Reinforcement: Synthetic fabric with wire helix
Cover: Tan Plioflex synthetic rubber

LENGTHS: 100 ft. lengths

FITTINGS: Quick acting, reattachable, or one-time

SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
1 x 1½	25.4 x 39.9	150	1.0	3½	89	.71	1.12
1½ x 1¾	32.0 x 46.6	150	1.0	4	101	.86	1.38
1½ x 2½	38.0 x 52.6	150	1.0	4	101	.99	1.59
2 x 2½	51.2 x 67.2	150	1.0	5	127	1.37	2.17
2½ x 3½	63.7 x 80.6	150	1.0	6	152	1.79	2.83
3 x 3½	76.1 x 94.2	150	1.0	7	178	2.25	3.45
4 x 4½	102.1 x 120.2	150	1.0	10	254	3.02	4.92
6 x 6¾	152.7 x 174.8	150	1.0	30	762	5.83	9.16

Goodyear Plicord Brewline Hose



Premium quality discharge hose designed specifically for the highly demanding service of transferring liquid products in wineries and breweries. Capable of handling temperatures from -40° to 220°F.

TOUGH SYNTHETIC REINFORCEMENT. Assures long service life with maximum flexibility plus the protection of mildew resistance.

PROTECTS AGAINST CONTAMINATION. White chlorobutyl rubber tube conforms to FDA, USDA and 3-A Sanitary Standards*; eliminates chance of taste or odor transfer.

CONSTRUCTION:

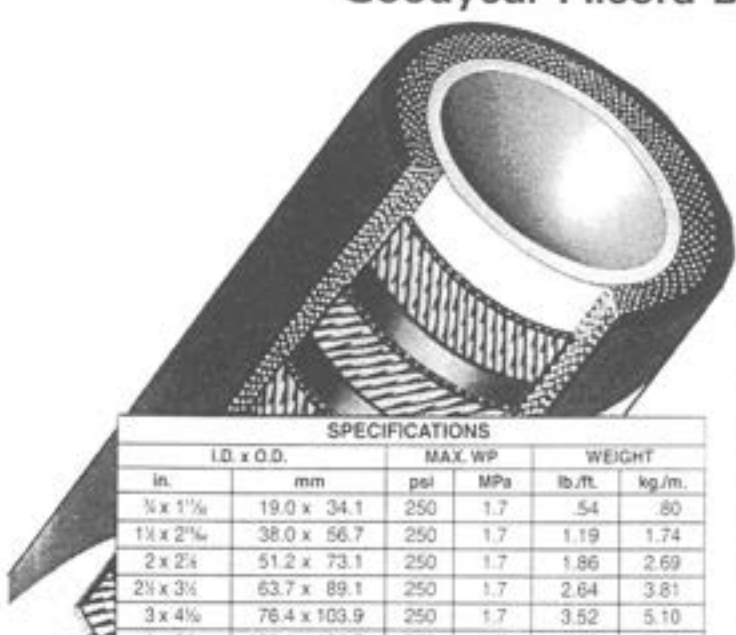
Tube: White chlorobutyl rubber (FDA, 3-A and USDA compliance)

Reinforcement: Synthetic fabric, 4 plies to 1½" I.D., 6 plies over 1½" I.D.

Cover: Red with a white spiral stripe or white Versigard rubber (Wrapped Finish)

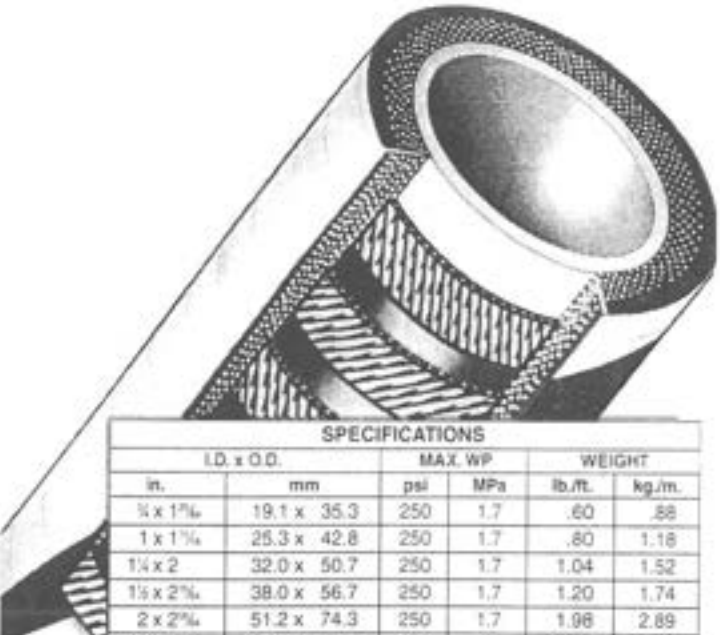
LENGTHS: 50 ft.

FITTINGS: Reattachable quick disconnect coupler and adapter, combination nipple or one-time fittings.



I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
¾ x 1½	19.0 x 34.1	250	1.7	.54	.80
1½ x 2½	38.0 x 56.7	250	1.7	1.19	1.74
2 x 2½	51.2 x 73.1	250	1.7	1.86	2.69
2½ x 3½	63.7 x 89.1	250	1.7	2.64	3.81
3 x 4½	76.4 x 103.9	250	1.7	3.52	5.10
4 x 5½	102.1 x 134.7	250	1.7	5.36	7.80

Goodyear Plicord Wineline Hose



Plicord Wineline hose is a premium quality, non-toxic hose for handling wine, potable water and other liquid food products where the hose must meet FDA requirements. For discharge service and suction service up to 20" vacuum. Capable of handling temperatures from -40° to 220°F.

ULTRA SMOOTH TUBE FOR EASY CLEAN-UP. The white chlorobutyl rubber tube in Plicord Wineline hose has a smooth, mirror-like finish to facilitate cleaning and help reduce the possibility of bacteria buildup. Conforms to FDA, USDA and 3-A Sanitary Standards* and will not impart or retain taste or odor.

STRONG REINFORCEMENT FOR RUGGED USE, LONG LIFE. Built of tough, multi-ply fabric reinforcement for long service and resistance to kinking and collapsing. Permits suction service up to 20" vacuum.

CONSTRUCTION:

Tube: White chlorobutyl rubber (FDA, 3-A and USDA compliance)

Reinforcement: Synthetic fabric, 4 plies to 1½" I.D., 6 plies over 1½" I.D.

Cover: White Versigard rubber with purple spiral stripe (Wrapped Finish)

LENGTHS: 50 ft.

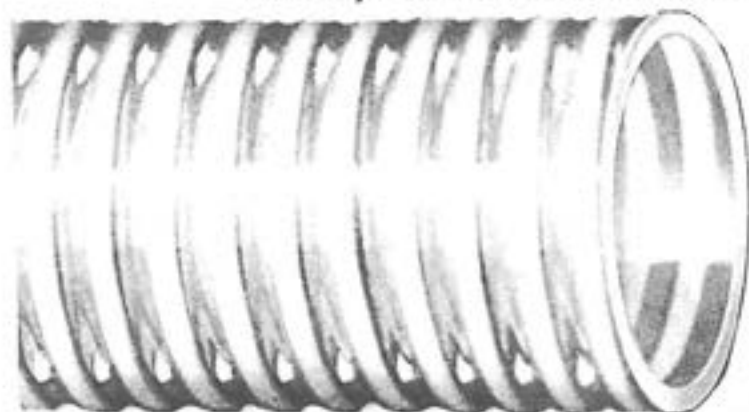
FITTINGS: Reattachable quick disconnect coupler and adapter, combination nipple or one-time fittings.

I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
¾ x 1½	19.1 x 35.3	250	1.7	.60	.88
1 x 1½	25.3 x 42.8	250	1.7	.80	1.18
1¼ x 2	32.0 x 50.7	250	1.7	1.04	1.52
1½ x 2½	38.0 x 56.7	250	1.7	1.20	1.74
2 x 2½	51.2 x 74.3	250	1.7	1.96	2.89
2½ x 3½	63.7 x 89.1	250	1.7	2.65	3.82
3 x 4½	76.1 x 103.9	250	1.7	3.53	5.10
4 x 5½	102.1 x 134.7	250	1.7	5.37	7.81

*Reference index for information regarding FDA designation.



Goodyear Nutriflo Suction & Discharge Hose


GOODYEAR

Nutriflo S & D Hose is ideal for handling almost every type of dry bulk food material or liquid—in gravity flow and vacuum service. Nutriflo conforms to USDA Meat and Poultry and 3-A Sanitary Standards and is recommended for transmission of raw and pasteurized milk and other high water content dairy items.

WIDE TEMPERATURE RANGE. Nutriflo hose withstands temperatures from 15° to 150°F (-9°C to 65°C).

CONSTRUCTION:

Tube: Clear Plovic®

Reinforcement: Rigid high polymer synthetic. Available in white (586-416) or clear (586-421) convoluted rigid.

Cover: Plovic®

FITTINGS: Nutriflo hose can be quickly and easily coupled to any hose nipple or shank type fitting after the hose ends have been heated in diethylene alcohol (antifreeze) or boiling water.

CAUTION: Brass or bronze couplings are not to be used on hose which convey edible meat products.

SPECIFICATIONS										
I.D. x O.D.		MAX. WP		BEND RADIUS		VACUUM RATING HG	STD. PKG. LENGTH		WEIGHT	
in.	mm	psi	MPa	in.	mm		ft.	m.	lb./ft.	kg/m.
1 x 1.24	25.4 x 31.4	106	.73	4.5	114	29	100	30.5	.23	.34
1 1/4 x 1.53	31.8 x 38.8	99	.68	5.0	127	29	100	30.5	.34	.51
1 1/2 x 1.78	38.1 x 45.3	89	.61	6.0	152	29	100	30.5	.41	.61
2 x 2.31	50.8 x 58.6	79	.54	8.0	203	29	100	30.5	.58	.86
2 1/2 x 2.85	63.5 x 72.3	65	.45	10.0	254	29	100	30.5	.82	1.22
3 x 3.38	76.2 x 85.8	65	.45	12.0	305	29	100	30.5	1.08	1.61
4 x 4.43	101.6 x 112.6	55	.38	16.0	406	29	100	30.5	1.62	2.41
6 x 6.57	152.4 x 167.0	47	.32	36.0	914	29	40	12.2	3.03	4.51

*Made from FDA regulated materials.

All Goodyear PVC hoses having the FDA designation comply with FDA regulations covering use in handling fatty foods, aqueous foods and alcoholic foods containing less than 50% alcohol. These hoses are subject to the following use limitations:

- 1) limited to temperatures below 150°F; and
- 2) hoses shall be thoroughly cleaned prior to their first use in accordance with good manufacturing practices.

For static wire construction—contact your Goodyear distributor.

The above working pressures and vacuum ratings are based on an ambient temperature of 70°F (21°C) and will vary inversely with temperature changes. Contact your local Goodyear representative for specific temperature-pressure relationships.

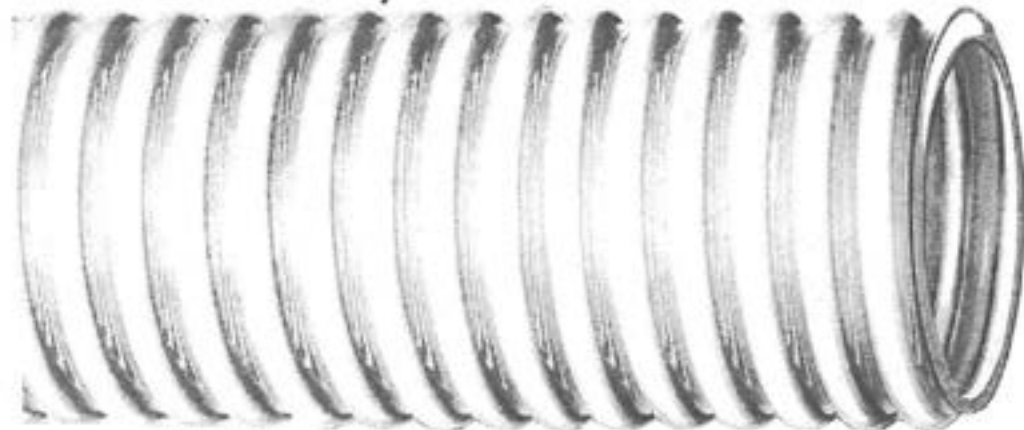
Temperature range (degrees F) +15° to 150°; (-9°C to 65°C)

Lengths available: Furnished only as indicated above.

AVAILABILITY: All I.D. sizes 1" through 6" available from existing stock; other sizes special order.

PACKAGING: Each hose length is individually packaged for cleanliness while in storage.

Goodyear Nutriflex Suction & Discharge Hose


Series 1290

Nutriflex S&D hose is ideal for handling almost every type of dry bulk food material or liquid—in gravity flow and vacuum service. Nutriflex conforms to USDA Meat and Poultry and 3-A Sanitary Standards and is recommended for transmission of raw and pasteurized milk and other high water content dairy items.

WIDE TEMPERATURE RANGE. Nutriflex hose withstands temperatures from 15°F to 150°F (-12°C to 65°C).

CONSTRUCTION:

Tube: Clear Plovic®

Reinforcement: Available in white (586-417) or clear (586-422) corrugated helix.

Cover: Clear Plovic®

FITTINGS: Short shank aluminum, aluminum combination nipple and quick-disconnect aluminum.

*Made from FDA regulated materials.

All Goodyear PVC hoses having the FDA designation comply with FDA regulations covering use in handling fatty foods, aqueous foods and alcoholic foods containing less than 50% alcohol. These hoses are subject to the following use limitations:

- 1) limited to temperatures below 150°F; and
- 2) hoses shall be thoroughly cleaned prior to their first use in accordance with good manufacturing practices.

SPECIFICATIONS										
I.D. x O.D.		MAX. WP		BEND RADIUS		VACUUM RATING HG	STD. PKG. LENGTH		WEIGHT	
in.	mm	psi	MPa	in.	mm		ft.	m.	lb./ft.	kg/m.
1 x 1.24	25.4 x 31.4	106	.73	4.5	114	29	100	30.5	.23	.34
1 1/4 x 1.53	31.8 x 38.8	99	.68	5.0	127	29	100	30.5	.34	.51
1 1/2 x 1.78	38.1 x 45.3	89	.61	6.0	152	29	100	30.5	.41	.61
2 x 2.31	50.8 x 58.6	79	.54	8.0	203	29	100	30.5	.58	.86
2 1/2 x 2.85	63.5 x 72.3	65	.45	10.0	254	29	100	30.5	.82	1.22
3 x 3.38	76.2 x 85.8	65	.45	12.0	305	29	100	30.5	1.08	1.61
4 x 4.43	101.6 x 112.6	55	.38	16.0	406	29	100	30.5	1.62	2.41
6 x 6.57	152.4 x 167.0	47	.32	36.0	914	29	40	12.2	3.03	4.51

For static wire construction—contact your Goodyear distributor.

The above working pressures and vacuum ratings are based on an ambient temperature of 70°F (21°C) and will vary inversely with temperature changes. Contact your local Goodyear representative for specific temperature-pressure relationships.



PVC Food & Material Handling Hose

Series 1291



TigerClamp™
Spiral Double Bolt Clamps
available

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application dependent.

Series	ID (in.)	Nominal		OD (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Min. Bending Radius (in.) @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
		ID (mm)	OD (in.)		68°F	104°F	68°F	104°F			
WE125	1 1/4"	32.0	1.65	42.0	50	25	28	28	4	60	.32
WE150	1 1/2"	38.1	1.93	49.0	50	25	28	28	4	60	.43
WE200	2"	50.8	2.40	61.0	40	20	25	24	4	60	.58
WE250	2 1/2"	63.5	2.99	75.9	40	20	28	24	5	60	.88
WE300	3"	76.2	3.64	92.5	40	20	28	24	6	60	1.25
WE400	4"	101.6	4.72	120.0	35	18	24	20	10	60	1.93
WE500	5"	127.0	5.74	146.0	30	15	24	20	16	60/20	2.40
WE600	6"	152.4	6.81	175.5	30	15	24	20	18	60/20	3.70
WE45M	1.73"	44.0	2.09	53.0	45	25	28	24	4	60	.46
WE57M	2.24"	56.0	2.83	66.7	40	22	28	24	5	60	.64

Series WE

Heavy duty PVC food grade material handling hose with embedded static wire For dry applications

Features and Benefits

- Clear PVC construction — complies with all applicable FDA† and USDA‡ requirements . . . allows visual confirmation that material is flowing.
- Embedded static wire — prevents the build-up of static electricity . . . helps to keep material flowing smoothly.
- Smooth bore construction — eliminates material build-up.
- Convuluted cover design — provides increased flexibility.

General Applications

- Pneumatic conveying systems for powder, pellets or granular materials.
- Paper mill vacuum lines.

Series WT

Heavy duty PVC food grade material handling hose For dry applications

Features and Benefits

- Clear PVC construction — complies with all applicable FDA† and USDA‡ requirements and 3-A Sanitary Standards† . . . allows visual confirmation that material is flowing.
- Smooth bore construction — eliminates material build-up.
- Convuluted cover design — provides increased flexibility.

General Applications

- Pneumatic conveying systems for powder, pellets or granular materials.
- Food transfer systems.
- Poultry cleaning operations.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application dependent.

Series 1295

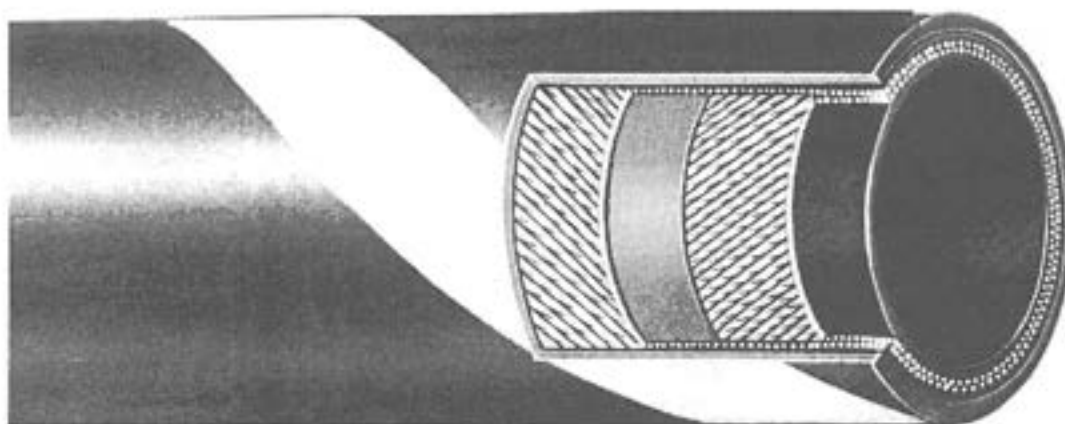


TigerClamp™
Spiral Double Bolt Clamps
available

Series	ID (In.)	Nominal		OD (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Min. Bending Radius (In.) @ 68° F	Standard Length (Ft)	Approx. Wt. (lb/ft.)
		ID (mm)	OD (In.)		68° F	104° F	68° F	104° F			
WT100	1"	25.4	1.30	33.0	55	30	28	28	2	100/50	.21
WT125	1 1/4"	31.7	1.60	40.6	50	25	28	28	2	100/50	.28
WT150	1 1/2"	38.1	1.92	48.8	50	25	28	28	3	100/50	.35
WT200	2"	50.8	2.40	61.0	40	20	28	24	4	100/50	.56
WT250	2 1/2"	63.5	2.99	75.9	40	20	28	24	5	100/50	.77
WT300	3"	76.2	3.64	92.5	40	20	28	24	6	100/50	1.10
WT350	3 1/2"	88.9	4.21	106.9	35	18	28	24	8	100/50	1.40
WT400	4"	101.6	4.72	119.9	35	18	24	22	10	100/50	1.80
WT500	5"	127.0	5.74	145.8	35	18	24	22	16	100/20	2.36
WT600	6"	152.4	6.81	173.0	30	15	24	22	18	100/50/20	3.54
WT800	8"	203.2	8.85	224.8	20	10	20	18	36	20	5.10
WT45M	1.73"	44.0	2.09	53.0	45	25	28	24	4	50	.44
WT57M	2.20"	56.0	2.63	66.7	40	22	28	24	5	50	.62



Goodyear Black Softwall Hose



Series 1205
1206
1207

Black Softwall hose is designed for the discharge of dry bulk cement in tank truck and in-plant service. Capable of handling temperatures of -25°F to 180°F .

CONSTRUCTIONS:

Tube: Static conductive Black Tulsyn

Reinforcement: Synthetic fabric

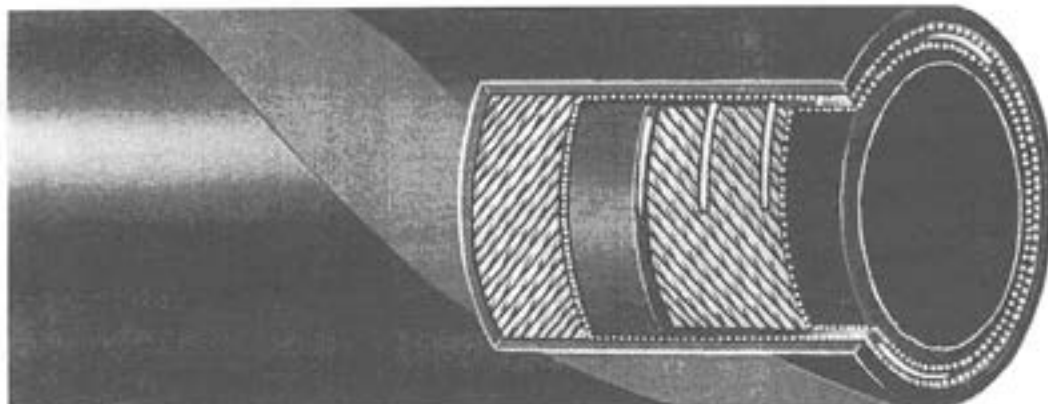
Cover: Black Plioflex synthetic rubber with white spiral stripe

LENGTHS: 57 ft. in 4 in. I.D., 50 ft. in 5 in. and 6 in. I.D. sizes.

FITTINGS: Reattachable quick disconnect coupler and adapter, combination nipple, one-time fittings

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
4 x 4 ^{1/4} _{in.}	102.1 x 113.1	50	.34	1.44	2.14
*4 x 4 ^{1/2} _{in.}	102.1 x 116.7	50	.34	1.93	2.87
5 x 5 ^{1/2} _{in.}	127.4 x 139.0	50	.34	1.88	2.77
6 x 6 ^{1/2} _{in.}	152.7 x 164.7	50	.34	2.34	4.92
* ^{1/4} gauge tube					

Goodyear Pyroflex II Hot Air Hose



Series 1209

For conveying hot air from compressors to tanks on bulk dry material carriers.

LONG HOSE LIFE. Pyroflex II Hot Air hose is made with a heat-resistant Versigard tube and cover capable of withstanding temperatures up to 325°F for long service life.

CONSTRUCTION:

Tube: Black heat-resistant Versigard synthetic rubber

Reinforcement: Synthetic fabric with wire helix

Cover: Heat-resistant black Versigard synthetic rubber with orange spiral stripe

LENGTHS: 100 ft. lengths

FITTINGS: Quick acting

SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
2 x 2 ^{1/4} _{in.}	51.2 x 64.8	50	.34	5	127	1.19	1.71
3 x 3 ^{1/4} _{in.}	76.1 x 90.1	50	.34	7	178	1.90	2.59
4 x 4 ^{1/4} _{in.}	102.1 x 117.2	50	.34	10	254	2.59	3.57

GOODYEAR



Blast Hose

Series 1305 1306

Standard duty hose for steel shot or sand blasting in cleaning or finishing metal, stone, glass or other surfaces where severe external abuse is encountered. Capable of handling temperatures of -25° to 180°F.

DURABLE, LONG-LASTING. XF blast hose is reinforced with strong synthetic fabric for maximum protection against abuse with a 1/4" black rubber tube for excellent resistance to wear conditions that exist in blasting service.

STATIC-CONDUCTIVE FOR SAFETY. XF blast hose is built with a static conductive tube compound that dissipates static electricity if machine is grounded.

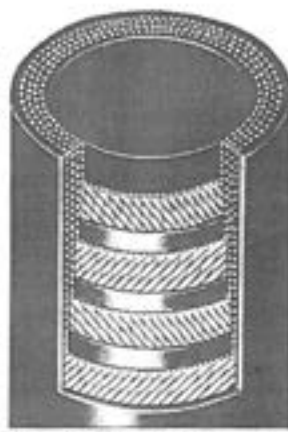
CONSTRUCTION:

Tube: 1/4" Synthetic rubber-static conductive

Reinforcement: Synthetic fabric

Cover: Black Pliotex synthetic rubber (Wrapped Finish)

FITTINGS: Blast type shankless sleeve



NOMINAL COUPLING SIZE		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
3/8	13.0	150	1.0	.36	.54
1/2	19.1	150	1.0	.59	.88
1	25.4	150	1.0	.89	1.49
1 1/2	32.0	150	1.0	1.09	1.62
2	38.0	150	1.0	1.22	1.82
2 1/2	51.2	150	1.0	1.46	2.17

Blast Hose Quick Couplings

Blastmaster brand couplings available in lightweight aluminum or rugged brass. Universal quarter-turn locking lugs permit coupling different hose sizes.

Description	Hose I.D.	Hose O.D.	Model #
Aluminum	3/8"	1 1/8"	QAL1
Aluminum	1"	1 1/2"	QAL2
Aluminum	1 1/4"	2 1/8"	QAL3
Aluminum	1 1/2"	2 1/4"	QAL4
Brass	3/8"	1 1/8"	QBR1
Brass	1"	1 1/2"	QBR2
Brass	1 1/4"	2 1/8"	QBR3
Brass	1 1/2"	2 1/4"	QBR4
Brass tank coupling, 1 1/4" NPT			SB1
Brass tank coupling, 1 1/2" NPT			SB2

Series 2235

SGS gaskets for all quick couplings available in packages of 10

Nozzle Holders

Nozzle holders, from U.S. Blast's Blastmaster line, have 1 1/4" NPS female threads which improve efficiency by allowing positive union between nozzle and holder.

Description	Hose I.D.	Hose O.D.	Model #
Aluminum	3/8"	1 1/8"	NHA1
Aluminum	1"	1 1/2"	NHA2
Aluminum	1 1/4"	2 1/8"	NHA3
Brass	3/8"	1 1/8"	NHB1
Brass	1"	1 1/2"	NHB2
Brass	1 1/4"	2 1/8"	NHB3
Aluminum, quick coupling nozzle holder/NPS	all sizes	all sizes	NHAQ
Aluminum, quick coupling nozzle holder/flanged	all sizes	all sizes	NHAQF
Nozzle washers (10/pkg)			C086P

1-1/4 NPT
1-1/2 NPT

PART SB
Adapter

GUM RUBBER GASKETS

PART

Description

PART SBG

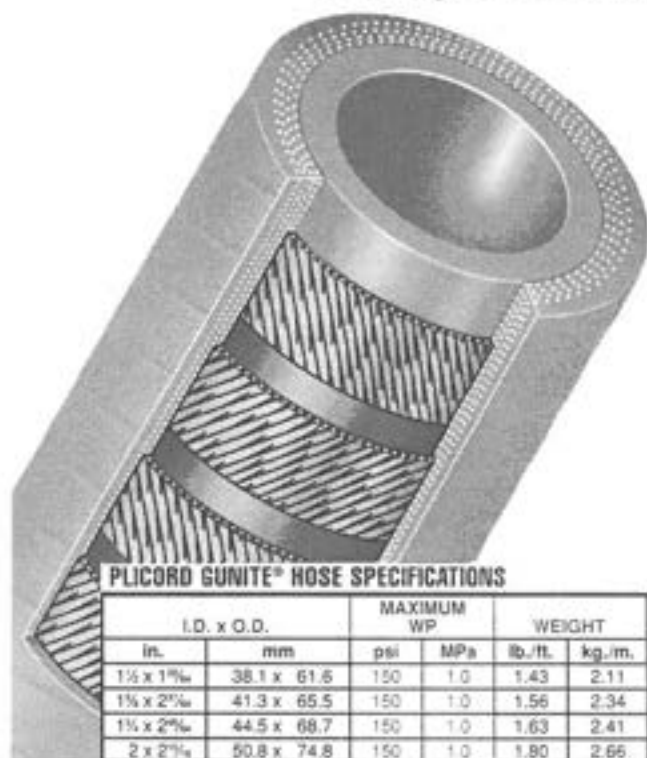
(One Size Fits All)

SCREWS

Part Number

3TSBS

Goodyear Plicord Gunite Hose



PLICORD GUNITE® HOSE SPECIFICATIONS

I.D. x O.D.		MAXIMUM WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1½ x 1¾	38.1 x 61.6	150	1.0	1.43	2.11
1½ x 2¾	41.3 x 65.5	150	1.0	1.56	2.34
1½ x 2¾	44.5 x 68.7	150	1.0	1.63	2.41
2 x 2¾	50.8 x 74.8	150	1.0	1.80	2.65

GOODYEAR

Specifically engineered for the efficient transfer of sand and cement to the placement mixing gun nozzle. Recommended for all types of gunning applications. Capable of handling temperatures of -40° to 180° F.

WEAR RESISTANT.

Full 1/4" tan Pureten gum rubber tube exhibits high resilience, good tensile strength, and excellent abrasion resistance.

FLEXIBLE.

Synthetic fabric reinforcement produces flexibility for reaching difficult areas. It's easy to handle, with minimum worker fatigue.

FULL FLOW CAPACITY.

Unique manufacturing method assures maintenance of full cross-section area even on sharp bends.

CONSTRUCTION:

Tube: Tan Pureten gum rubber

Reinforcement: Synthetic fabric

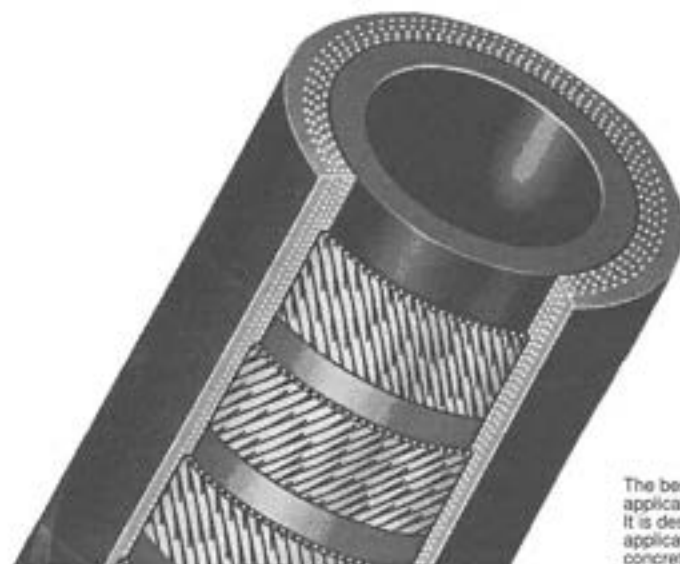
Cover: Tan Plioflex synthetic rubber

LENGTH: 50 ft.

FITTINGS: Blast type shankless

Gunite—TM The Allentown Pneumatic Gun Co.

Goodyear Allcrete Fabric Hose



ALLCRETE FABRIC HOSE SPECIFICATIONS

I.D. x O.D.		WORKING PRESSURE		WEIGHT	
in.	mm	psi	BAR	lb./ft.	kg./m.
1 x 1¾	25.3 x 42.3	1,000	69	.65	.90
1½ x 1¾	32.0 x 49.0	1,000	69	.79	1.09
1½ x 2¾	38.0 x 58.6	1,000	69	1.14	1.58
2 x 2¾	51.2 x 71.8	1,000	69	1.43	2.04
2½ x 3¾	63.7 x 85.9	1,000	69	1.87	2.59
3 x 3¾	76.1 x 99.6	800	55	2.33	3.23
4 x 4¾	102.1 x 125.6	700	48	3.02	4.18
5 x 5¾	127.4 x 150.8	700	48	4.02	5.56

Series 1308

The best results for today's pumping, placement and spraying applications can be achieved with Goodyear's Allcrete fabric hose. It is designed for use in plaster & grout, shotcrete and blastcrete applications handling a multitude of materials being pumped to concrete structures, dams, tunnel faces, etc. Ideal for use as a flexible connection between pumping equipment and hard piping. Allcrete hose can be used in temperatures ranging from -25°F to +180°F at the work site.

CONSTRUCTION:

Tube: Thick synthetic rubber for maximum abrasion resistance.

Reinforcement: High strength fabric plies.

Cover: Black Plioflex rubber (wrapped finish).

LENGTH: 50 or 100 ft.

COUPLERS: Externally swaged or internally expanded for full flow.



Goodyear Allcrete Wire Hose



Designed to handle wet concrete with high head pressures at the critical flex areas of a concrete boom truck and as a discharge hose on the delivery end of high pressure concrete pumps. Its temperature range of -40°F to +180°F means Allcrete wire hose can be used in the extreme temperatures encountered on the work site.

CONSTRUCTION:

Tube: Black Pureten.

Reinforcement: High strength wire plies.

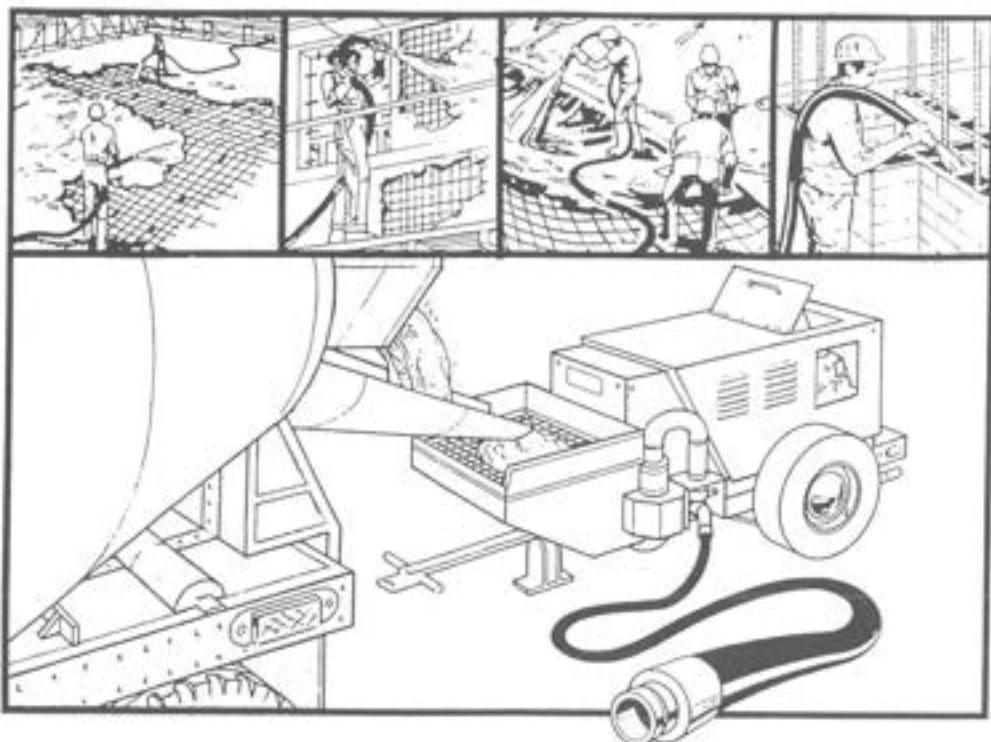
Cover: Black Plipflex (wrapped finish).

LENGTHS: 50 or 100 ft.

COUPLINGS: Externally swaged or internally expanded for full flow.

ALLCRETE WIRE HOSE SPECIFICATIONS

I.D. x O.D.		WORKING PRESSURE		WEIGHT	
in.	mm	psi	BAR	lb./ft.	kg./m.
3 x 3 3/4	76.1 x 101.3	1,000	69	3.71	5.13
4 x 5 1/4	102.1 x 127.3	800	55	4.79	6.62
5 x 6	127.4 x 152.6	700	48	5.84	8.07





Goodyear Flextra Dry Material Hose



A static-conductive hose for tank truck and in-plant service. Used to convey non-oily abrasive materials such as sand, limestone and plastic pellets. Recommended where static buildup can be a problem. Capable of handling temperatures of -40° to 180°F.

ABRASION-RESISTANT TUBE. Flextra Dry Material has a strong 3/16" synthetic rubber tube that resists the cutting, tearing, and wearing action of abrasive materials. A spiral wire helix reinforcement adds strength and resistance to crushing and kinking.

CONSTRUCTION:

Tube: Black Tufsyn rubber (static conductive)
Reinforcement: Synthetic fabric with wire helix
Cover: Black Plioflex rubber (Corrugated) with yellow spiral brand

LENGTHS: 50 ft. and 100 ft. lengths

FITTINGS: Reattachable, quick disconnect, combination nipple, or one-time



SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg/m.
1 x 1 1/4	25.4 x 40.3	75	.52	3	76	.68	1.01
1 1/2 x 2 1/4	38.0 x 53.5	75	.52	3 1/2	89	1.03	1.53
2 x 2 1/2	51.2 x 66.7	75	.52	4	101	1.36	2.02
2 1/2 x 3 1/2	63.7 x 79.2	75	.52	5	127	1.65	2.45
3 x 3 1/2	76.1 x 93.5	75	.52	6	152	2.13	3.17
4 x 4 1/2	102.1 x 120.5	75	.52	9	228	3.06	4.55

Goodyear Tan Flexwing Hose

Recommended for acids, alcohol bases, and salt solutions. Capable of handling temperatures of -40° to 180°F.

LONG LASTING, EASILY AVAILABLE. The tube of Tan Flexwing hose is a heavy 3/16" thick Pureten rubber. It has excellent abrasion resistance for long-term performance in handling abrasive, corrosive slurries. Popular sizes are carried in stock to minimize downtime.

CONSTRUCTION:

Tube: Tan Pureten gum rubber (Non-ORS) (Meets F.D.A. requirements)
Reinforcement: Synthetic fabric with wire helix
Cover: Tan Plioflex synthetic rubber (Non-ORS) with blue spiral stripe

LENGTHS: 100 ft. lengths

FITTINGS: Quick acting, reattachable, or one-time. Also available with rubber flanged, beaded, and built-in nipples



SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg/m.
1 x 1 1/4	25.4 x 41.2	150	1.0	3 1/2	89	.75	1.12
1 1/2 x 1 3/4	32.0 x 48.5	150	1.0	4	101	.93	1.38
1 1/2 x 2 1/4	38.0 x 54.5	150	1.0	4	101	1.07	1.59
2 x 2 1/4	51.2 x 68.0	150	1.0	5	127	1.41	2.17
2 1/2 x 3 1/4	63.7 x 82.2	150	1.0	6	152	1.90	2.83
3 x 3 1/4	76.1 x 95.3	150	1.0	7	178	2.29	3.45
4 x 4 1/4	102.1 x 122.7	150	1.0	10	254	3.34	4.92
6 x 6 1/4	152.7 x 176.7	150	1.0	30	762	5.97	8.16

Goodyear Tan Flextra Hose

Series 1203

For tank truck and in-plant service. Used to convey non-oily abrasive materials such as sand, limestone, plastic pellets and dry abrasive food products. Not to be recommended where static electricity is a problem. Capable of handling temperatures of -40° to 180°F.

STRONG, ABRASION-RESISTANT. Tan Flextra has a 5/32" Pureten gum rubber tube to resist the cutting, tearing and wearing action of sharp abrasive materials. A spiral wire helix reinforcement adds strength and resistance to crushing and kinking.

CONSTRUCTION:

Tube: Pureten gum rubber (meets F.D.A. requirements)
Reinforcement: Synthetic fabric with wire helix
Cover: Tan Plioflex gum rubber (Corrugated) with yellow spiral stripe

LENGTHS: 50 ft. and 100 ft. lengths

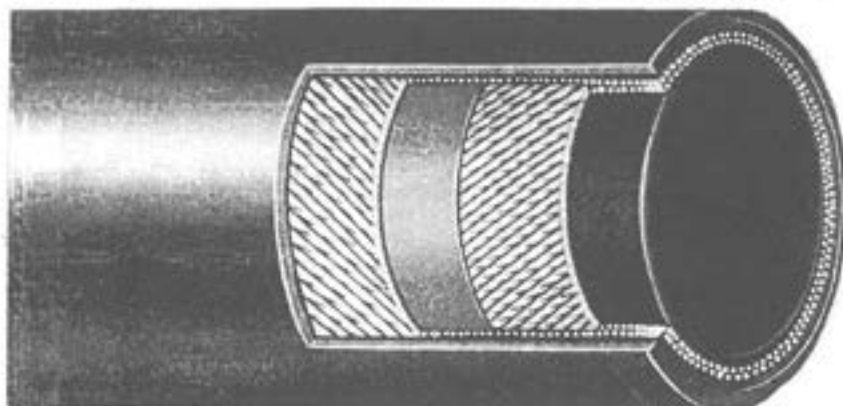
FITTINGS: Quick acting or reattachable



SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg/m.
1 1/2 x 2 1/4	38.0 x 53.1	75	.50	3	76	.97	1.32
2 x 2 3/4	51.2 x 66.1	75	.50	4	101	1.18	1.92
2 1/2 x 3 1/4	63.7 x 79.6	75	.50	5	127	1.65	2.45
3 x 3 3/4	76.1 x 92.3	75	.50	6	152	1.90	2.93
4 x 4 3/4	102.1 x 119.1	75	.50	9	228	2.60	4.18
5 x 5 3/4	127.4 x 146.7	75	.50	12	305	4.19	6.20
6 x 6 3/4	152.5 x 172.2	75	.50	15	381	4.83	7.42



Goodyear Plicord Mine Conduit Hose


GOODYEAR

SPECIFICATIONS			
I.D. x O.D.		WEIGHT	
in.	mm	lb./ft.	kg./m.
1/2 x 1 1/4	13.0 x 23.4	.28	.42
3/4 x 1 3/4	16.0 x 26.4	.33	.49
1 x 1 7/8	19.1 x 29.5	.37	.55
1 1/8 x 2 1/8	22.2 x 32.6	.42	.62
1 1/2 x 2 3/8	25.3 x 35.7	.47	.70
1 3/4 x 2 7/8	29.0 x 39.4	.53	.79
1 7/8 x 3 1/8	32.0 x 42.4	.57	.85
2 x 3 1/4	35.0 x 45.4	.62	.92
2 1/8 x 3 3/8	38.0 x 48.4	.67	.98
2 1/4 x 3 7/8	45.1 x 55.5	.78	1.15
2 3/4 x 4 1/8	51.2 x 61.6	.87	1.29
3 x 4 3/8	57.4 x 67.8	.97	1.43
3 1/4 x 4 3/4	60.8 x 71.2	1.02	1.52
3 1/2 x 4 7/8	63.7 x 74.1	1.06	1.58
3 3/4 x 5 1/8	76.1 x 86.5	1.26	1.86
4 x 5 1/4	102.1 x 112.5	1.66	2.45

Plicord Mine Conduit hose is a fabric reinforced construction designed to perform as an electrical cable cover in underground mines. Handles temperatures of -40°F (-40°C) to 200°F (93°C).

CONSTRUCTION:

Tube: Black flame resistant Chemrin

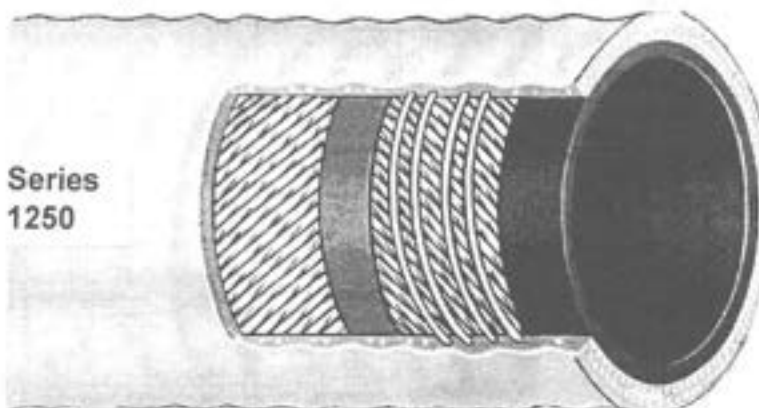
Reinforcement: Synthetic fabric

Cover: Yellow flame resistant Chemivac (Wrapped Finish) or Black flame resistant Chemrin (Wrapped Finish)

LENGTHS: 50 ft. and 100 ft. cut lengths, up to 400 ft. continuous lengths on reels

FITTINGS: Short shank or combination nipple

Goodyear Flextra Rock Dust Hose



Series
1250

Flextra Rock Dust hose has been engineered to withstand the most demanding service conditions in rock dusting operations in underground coal mines. Capable of handling temperatures of -25°F to 200°F .

CONSTRUCTION:

Tube: Black synthetic rubber (Static Conducting)

Reinforcement: Spiral wire helix between synthetic fabric plies with soft curled ends

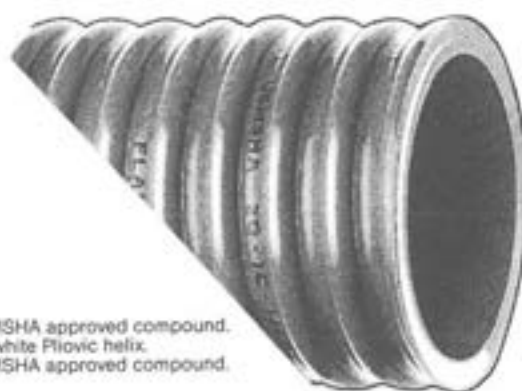
Cover: Yellow Chemivac synthetic rubber (Flame Resistant) (ORS)

LENGTHS: 50 ft.

FITTINGS: Short shank or combination nipples

SPECIFICATIONS							
I.D. x O.D.		MAX. WP.		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
1 1/2 x 1 3/4	32.0 x 39.7	50	.35	6	152	.43	.61
1 3/4 x 2 1/8	38.0 x 46.1	50	.35	6	152	.54	.86
2 x 2 1/4	51.2 x 59.5	50	.35	8	203	.73	1.12
2 1/4 x 2 3/4	63.7 x 72.5	50	.35	10	254	.98	1.44
3 x 3 1/4	76.1 x 84.3	50	.35	12	305	1.10	1.62
4 x 4 1/2	102.1 x 111.1	50	.35	16	406	1.58	2.34

Goodyear Spiraflex Rock Dust Hose


CONSTRUCTION:

Tube: Green Pliovic* MSHA approved compound.

Reinforcement: Rigid white Pliovic helix.

Cover: Green Pliovic MSHA approved compound.

LENGTHS: 100 ft.

FITTINGS: Short shank, or combination nipple.

A lightweight flexible alternative to rubber hose for handling rock dusting in underground coal mines.

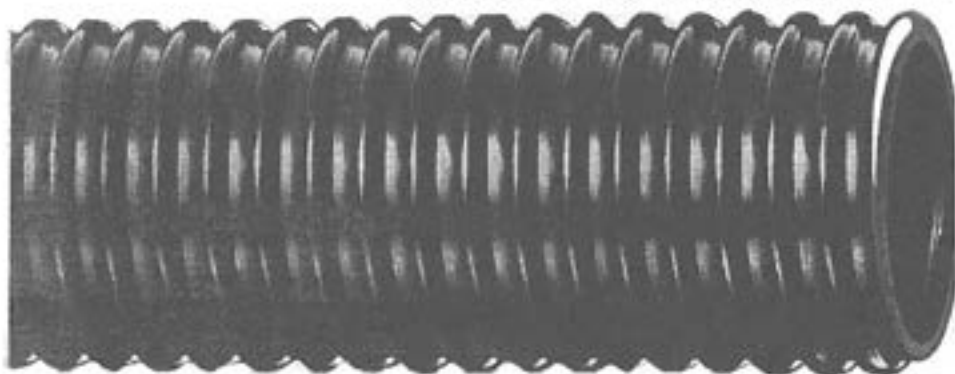
FLAME RESISTANT—The Spiraflex Rock Dust hose meets MSHA requirements for flame resistance. MSHA 2G-IC-14 C/17. Temperature range: $+10^{\circ}\text{F}$ to 150°F (-12°C to 65°C).

SPIRAFLEX ROCK DUST HOSE SPECIFICATIONS									
I.D.		O.D.		MAX. WP.		BEND RADIUS		STANDARD PACKAGE LENGTH	
in.	mm	in.	mm	psi	MPa	in.	mm	ft.	kg./m.
1 1/2	38.1	1.75	44.7	44	.30	3.8	97	100	30.5
2	50.8	2.35	59.6	30	.21	5.5	140	100	30.5
2 1/2	63.5	2.87	72.9	30	.21	7.0	178	100	30.5
3	76.2	3.40	86.9	30	.21	8.0	203	100	30.5
4	101.6	4.45	113.1	25	.19	14.0	356	100	30.5

The above working pressures and vacuum ratings are based on an ambient temperature of 70°F (21°C) and will vary inversely with temperature changes. Contact your local Goodyear representative for specific temperature-pressure relationships.



Goodyear Spirathane HD Hose



GOOD YEAR

For dry pneumatic conveying of solids where abrasive conditions are severe. Temperature range: -30°F to 150°F (-34°C to 65°C) static application; +15°F to 150°F (-9°C to 65°C) dynamic. Sizes 1½" thru 5" rated to full vacuum.

SUPERIOR RESISTANCE TO ABRASION. Spirathane™ HD is specifically compounded with a polyurethane tube to resist the cutting, gouging and abrasive action of solids such as sand, cement, flyash, grain, rock and plastic pellets. The smooth inside bore permits full, free flow and eliminates material build-up. Low temperature Pliovic cover allows operation in sub-zero conditions.

CONSTRUCTION:

Tube: High density polyurethane.*

Reinforcement: Rigid high density Pliovic compound. Safety Factor—3:1 burst.

Cover: High density low temperature blue Pliovic compound.*

LENGTHS: Continuous one piece.

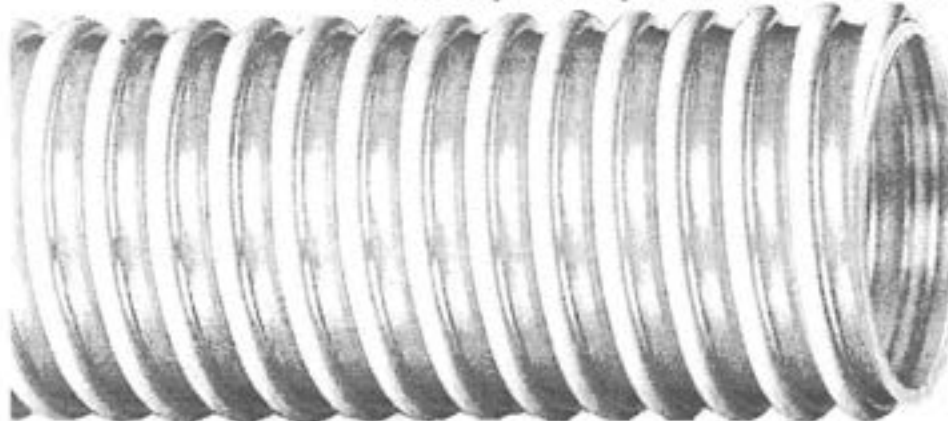
STATIC WIRE: Available upon request.

SPECIFICATIONS

SPECIAL FEATURES												
ID		OD		MAX WP		BEND RADIUS		VACUUM RATING		STANDARD PACKAGE LENGTH		WEIGHT
in.	mm	in.	mm	psi	MPa	in.	mm	kg	in.	mm	lb./ft.	kg./m.
1½	38.1	1.86	47.2	75	52	3.9	99.1	FULL	100	30.5	.42	.63
2	50.8	2.42	61.5	65	45	5.5	139.7	FULL	100	30.5	.68	1.01
2½	63.5	3.04	77.2	50	34	7.0	177.8	FULL	100	30.5	1.06	1.58
3	76.2	3.64	92.5	50	34	8.0	203.2	FULL	100	30.5	1.35	2.01
4	101.6	4.77	121.2	50	34	14.0	355.6	FULL	100	30.5	2.33	3.47
5	127.0	5.75	146.1	45	31	20.0	508.0	FULL	100	30.5	2.95	4.39
6	152.4	7.00	171.8	35	24	25.0	635.0	25	100	30.5	3.44	5.19
8	203.2	9.20	233.7	25	17	48.0	1219.0	25	20	6.1	6.48	9.14
10	254.0	11.50	292.1	20	14	75.0	1905.0	25	20	6.1	8.75	13.02

*Medium High Oil Resistance RMA designation Class B.

Goodyear Spirathane LD Hose



Series 1285

For dry pneumatic conveying of solid fines where abrasion is present and service conditions are moderate. Excellent for low pressure blowing applications or static material handling chutes. Temperature range: -30°F to 150°F (-34°C to 65°C) static; +15°F to 150°F (-9°C to 65°C) dynamic.

EXCELLENT RESISTANCE TO ABRASION. Spirathane™ LD hose is compounded with a tough, abrasion resistant polyurethane to excel in service that requires cut, gouge and impact resistance. These include most blower applications, lawn cleaners, leaf collection and insulation blowing. The smooth inside bore permits maximum free flow of material.

CONSTRUCTION:

Tube: High density polyurethane, RMA Class B oil resistance.

Reinforcement: Rigid high density Pliovic compound. Safety Factor—3:1 burst.

Cover: Clear, high density polyurethane.

LENGTHS: Continuous one piece.

STATIC WIRE: Available upon request.

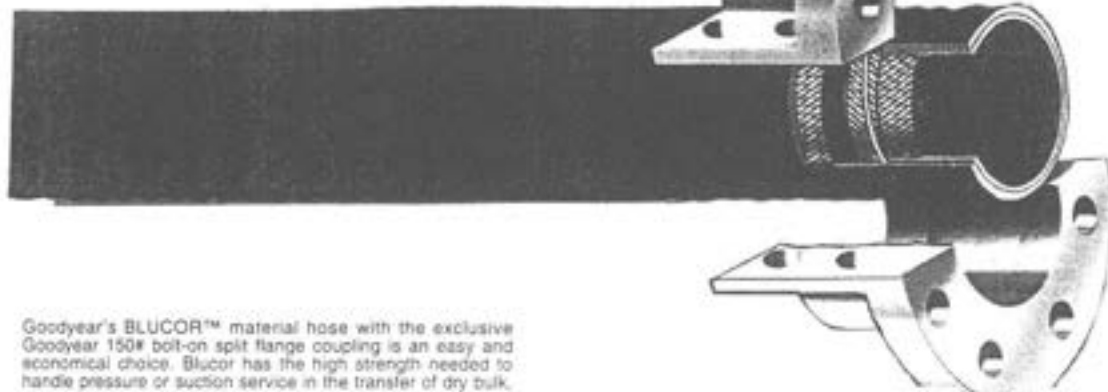
SPECIFICATIONS

STANDARD FEATURES												
ID		OD		MAX WP		BEND RADIUS		VACUUM RATING	STANDARD PACKAGE LENGTH			WEIGHT
in.	mm	in.	mm	psi	MPa	in.	mm	kg	ft	m	lb./ft.	kg./m.
1½	38.1	1.90	48.3	30	21	2.00	50.8	22	100	30.5	.20	.21
2	50.8	2.32	58.9	25	17	2.75	69.9	21	100	30.5	.30	.45
2½	63.5	2.84	72.1	20	14	3.50	88.9	19	100	30.5	.46	.69
3	76.2	3.38	85.9	20	14	4.00	101.6	18	100	30.5	.51	.76
4	101.6	4.56	115.8	15	10	7.00	177.8	13	100	30.5	.88	1.32
5	127.0	5.65	143.5	10	07	8.00	203.2	10	100	30.5	1.31	1.95
6	152.4	6.69	169.9	10	07	12.00	304.8	7	100	30.5	1.53	2.28
8	203.2	8.66	220.0	6	04	23.00	584.2	5	20	6.1	1.90	2.83
10	254.0	11.00	279.4	5	03	30.00	762.0	4	20	6.1	2.15	4.69



Goodyear Blucor Hose & Bolt On Split Flange Coupling

GOODYEAR



Goodyear's BLUCOR™ material hose with the exclusive Goodyear 150# bolt-on split flange coupling is an easy and economical choice. Blucor has the high strength needed to handle pressure or suction service in the transfer of dry bulk, slurry, salt, cement, fertilizers, dry and a limited quantity of liquid chemicals, (consult the Goodyear chemical resistance chart) and a limited quantity of oil based products. It is capable of handling temperatures of -25°F/-32°C to 180°F/82°C.

BUILT FOR SAFETY & LONG LIFE. A standard specially compound 1/4" thick black Purelen tube provides maximum resistance to abrasion and wear in addition to being static conductive. Tufsyn 1/4" tubes are also available, upon request, for specific requirements. Two heavy plies of synthetic reinforcement plus a breaker fabric ensure a minimum 150 PSI working pressure. The round wire helix offers a full vacuum rating of 30 HG. The blue corrugated Ploflex cover provides good flexibility, ease of handling, and abrasion resistance. The blue color differentiates Blucor from other similarly constructed hose.

OUTSTANDING VERSATILITY. Standard lengths of 100 feet per size allow cutting to desired lengths and coupled with Goodyear's exclusive bolt-on split flange coupling, offers flexibility in supplying market needs.

CONSTRUCTION:

Tube: 3/8" black Purelen (standard) static conductive.

3/8" Tufsyn also available, PDI*

Reinforcement: Multiple plies of synthetic cord, spiral wire helix plus breaker fabrics.

Cover: Blue corrugated abrasion resistant Ploflex, (wrap finish)

Sizes: 3" through 16" ID's.

LENGTHS: 50 feet, all ID's.

FITTINGS: Goodyear re-attachable bolt-on split flange only.

SPECIFICATIONS: Each fitting is manufactured of high tensile 432 aluminum alloy.

All flanges are 150 lbs. ANSI B16.5.

Bolt-on split flange couplings are supplied with necessary mounting hardware (bolts, nuts & washers).

Internal configuration of the fitting corrugations has been designed to be adaptable to other similar types of hose corrugations.

PACKAGING: Boxed

INVENTORY: From stock

MINIMUM ORDER: One complete set - comprising of 2 halves of bolt-on coupling & hardware.

Series 1202

BLUCOR MATERIAL HANDLING HOSE SPECIFICATIONS

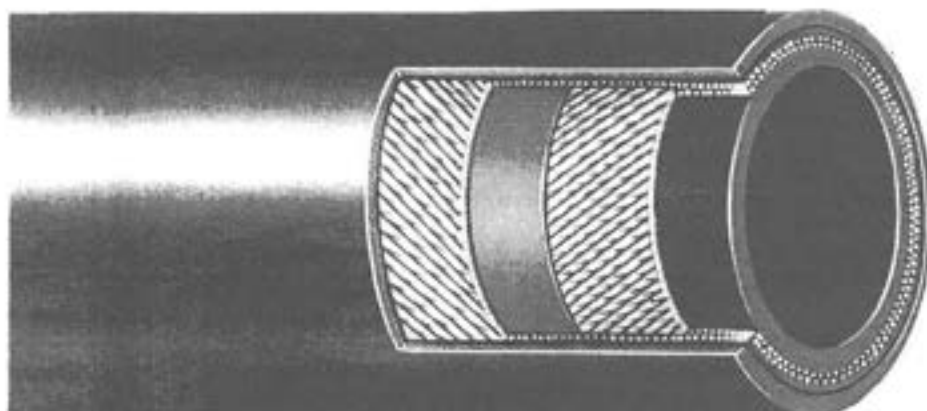
I.D. x O.D.		MAX.WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
3 x 4 1/4	76 x 111.6	150	1.0	16	406	6.83	6.90
4 x 5 1/4	102 x 133.2	150	1.0	20	508	5.46	7.91
6 x 7 1/4	152 x 187.3	150	1.0	36	914	9.16	12.59
8 x 9 1/4	203 x 242.2	150	1.0	48	1321	14.13	21.05
10 x 11 1/4	254 x 291.4	150	1.0	60	1524	16.63	24.78
12 x 13 1/4	305 x 343.0	150	1.0	72	1829	19.74	29.41
14 x 15 1/4	356 x 401.6	100	1.0	98	2489	27.83	41.42

**We Welcome Inquiries
on Special Material
Handling Hose**

SPECIFICATIONS					
SIZE		FLANGE O.D.		PART NUMBER	GOODYEAR PRODUCT
in.	mm	in.	mm		
3	76.2	7.5	190.5	BOSF 03075	603189-3
4	102.0	9	228.6	BOSF 04090	603189-4
6	152.4	11	279.4	BOSF 06110	603189-6
8	203.2	13.5	342.9	BOSF 08135	603189-8
10	254.0	16	406.4	BOSF 10160	603189-10
12	304.8	19	482.6	BOSF 12190	603189-12
14	356.0	21	533.4	BOSF 14210	603189-14



Goodyear Flexible Downspout Hose



GOODYEAR

Series 1215

Flexible Downspout is an economical choice for gravity flow service at negligible pressures. It must be installed in an essentially vertical position. Capable of handling temperatures of -25° to 180°F.

CONSTRUCTION:

Tube: 18" Tufsyn synthetic rubber for abrasion resistance with static dissipation

Reinforcement: Synthetic fabric

Cover: Black Plioflex synthetic rubber

LENGTHS: 50 ft.

FITTINGS: Open end; no fittings required

SPECIFICATIONS						
I.D. x O.D.		PLIES	MAX. WP		WEIGHT	
in.	mm		psi	MPa	lb./ft.	kg./m.
4 x 4 1/2	102 x 112	2	50	.35	1.27	1.89
4 1/2 x 4 1/2	114 x 124	2	50	.35	1.41	2.10
6 x 6 1/2	152 x 162	2	35	.25	1.86	2.77
6 1/2 x 7	168 x 178	2	35	.25	2.05	3.05
8 x 8 1/2	203 x 213	2	25	.17	2.47	3.67
8 1/2 x 9	219 x 228	2	25	.17	2.66	3.96
10 x 10 1/2	254 x 264	2	20	.14	3.08	4.58
10 1/2 x 11 1/2	273 x 285	2	20	.14	3.72	5.53
12 x 12 1/2	305 x 317	2	15	.10	4.15	6.17
12 1/2 x 13 1/2	324 x 335	2	15	.10	4.40	6.55
14 x 14 1/2	356 x 369	2	15	.07	4.86	7.23
16 x 16 1/2	410 x 421	2	10	.07	5.55	8.26

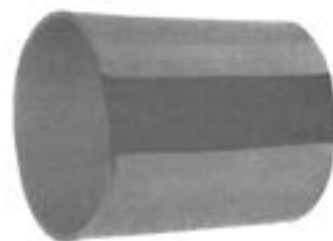
Pure Gum Sleeves Cement Discharge

Series 1225

These are manufactured in our own shop to your specifications. The most popular thickness of rubber used is 1/4" thick, but we can manufacture sleeves in different thickness and compounds depending on application of sleeve. Designed for loading cement from hopper to truck. All sleeves are made to order in our own shop.

*****INSIDE
DIAMETER**

8"
10"
12"
18"
24"

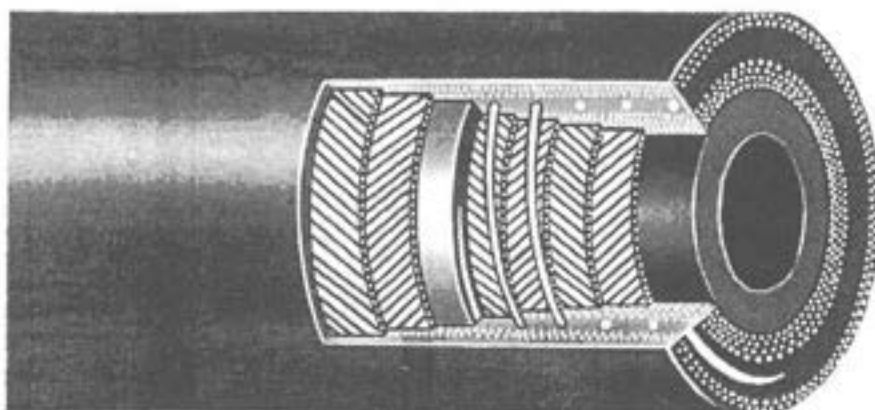


Series 1235 Well Point Sleeves Available

Call us if you don't see what you want.
New products are constantly added
to our inventory



Goodyear Plicord Sand Suction Hose



Plicord Sand Suction hose is designed for use on the suction end of hydraulic dredges. It provides a highly flexible connection between dredging lines and pumps. Temperatures range: -20°F (-29°C) to 190°F (88°C).

CONSTRUCTION:

Tube: Black Tufsyn synthetic rubber for abrasion resistance with static dissipation

Reinforcement: Spiral wire helix between plies of synthetic fabric

Cover: Black Plioflex synthetic rubber

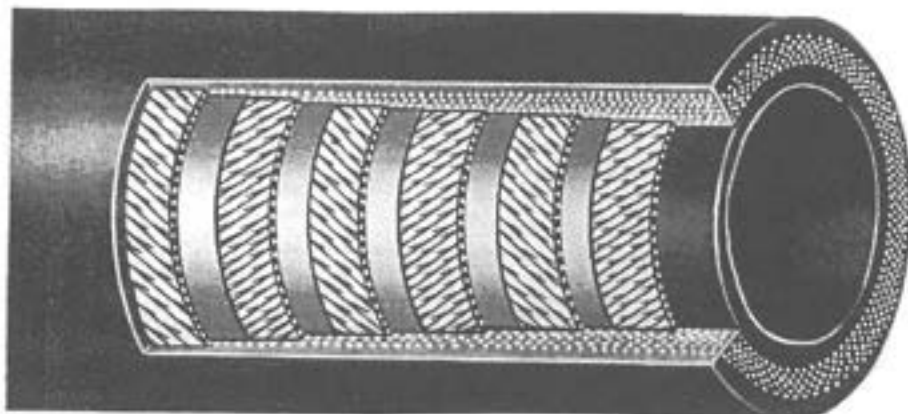
LENGTHS: Built to order as application requires

FITTINGS: Built-in nipples, plain, enlarged, or rubber lined built-in nipples

Series 1229

SPECIFICATIONS—3/8" TUBE							
I.D. x O.D.		PLIES	SUCTION RATING		BEND RADIUS		WEIGHT
in.	mm		in.	mm	in.	mm	
6 1/8 x 6 1/8	168 x 208	6	30	762	4' 7"	1397	13.81
8 x 9 1/8	203 x 245	6	30	762	5' 2"	1575	16.26
8 1/2 x 10 1/8	219 x 261	6	30	762	5' 8"	1727	19.44
10 x 11 1/8	254 x 300	6	30	762	6' 4"	1930	23.63
10 1/2 x 12 1/8	273 x 320	6	30	762	6' 10"	2083	25.23
12 x 13 1/8	305 x 355	6	30	762	7' 7"	2311	29.37
12 1/2 x 14 1/8	324 x 371	6	30	762	7' 10"	2388	29.58
16 x 18	410 x 457	6	30	762	9' 11"	3023	39.95

SPECIFICATIONS—1/2" TUBE							
I.D. x O.D.		PLIES	SUCTION RATING		BEND RADIUS		WEIGHT
in.	mm		in.	mm	in.	mm	
8 1/8 x 10 1/8	219 x 267	6	30	762	5' 8"	1727	21.50
10 x 12 1/8	254 x 306	6	30	762	6' 4"	1930	25.96
10 1/2 x 12 1/8	273 x 327	6	30	762	6' 10"	2083	27.80
12 x 14 1/8	305 x 358	6	30	762	7' 7"	2311	31.77
12 1/2 x 14 1/8	324 x 377	6	30	762	7' 10"	2388	33.56
16 x 18 1/2	410 x 462	6	30	762	9' 11"	3023	43.31



Dredge Sleeve Hose

Series 1230

GOODYEAR

Plicord Dredge Sleeves are used as a flexible connection between pipe sections on the discharge line of hydraulic type dredges.

LONG FLEX-LIFE. A synthetic fabric reinforcement is used to withstand the constant flexing motion caused by waves or shifting pontoons. It offers superior resistance to the many forces which generate stress to provide long service life.

CONSTRUCTION:

Tube: 3/8" Tufsyn abrasion resistance rubber with static dissipation. Other gauges available on request.

Reinforcement: Multiple plies of synthetic fabric

Cover: Black Plioflex synthetic rubber (Wrapped Finish)

LENGTHS: Maximum length varies by size up to 100 ft.

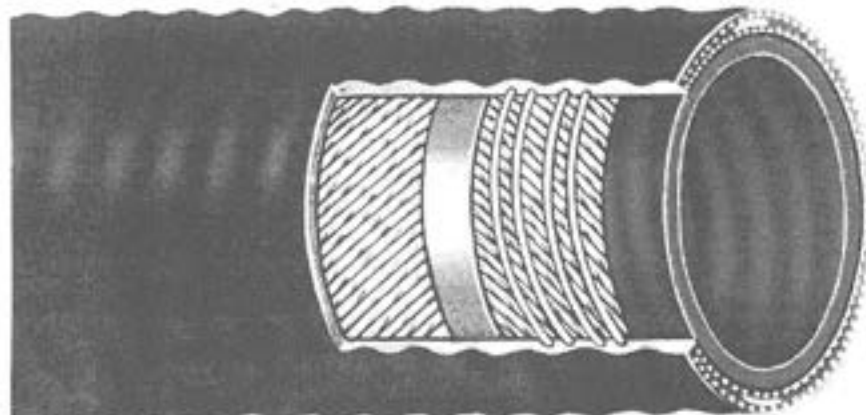
Fittings: Plain ends: no special fittings required, double bolt clamps.

SPECIFICATIONS						
I.D. x O.D.		PLIES	MAX. WP		WEIGHT	
in.	mm		psi	MPa	lb./ft.	kg./m.
6 1/8 x 8 1/8	168 x 209	6	100	.70	9.60	14.21
8 x 10 1/8	219 x 262	6	100	.70	13.11	19.51
10 1/8 x 12 1/8	273 x 317	6	100	.70	16.15	24.03
12 1/8 x 14 1/8	324 x 369	6	100	.70	19.71	28.68
14 x 15 1/8	356 x 404	6	100	.70	21.78	32.40
16 x 17 1/8	410 x 453	6	100	.70	23.49	34.95
18 x 19 1/8	457 x 506	6	100	.70	26.62	39.61

Dredge Sleeve Clamp with 6 ft. chain Series 3600-DSC2



Goodyear Plicord Leaf Collector Hose



This flexible, easy-to-handle hose is designed especially for use on street cleaning equipment to remove debris from city streets and gutters. Temperature Range: -40°F to 180°F (-40°C to 82°C)

CONSTRUCTION:

Tube: Tan Pureten gum rubber (Corrugated)
Reinforcement: Synthetic fabric plies
Cover: Black Plioflex synthetic rubber (Corrugated) (Wrapped Finish)

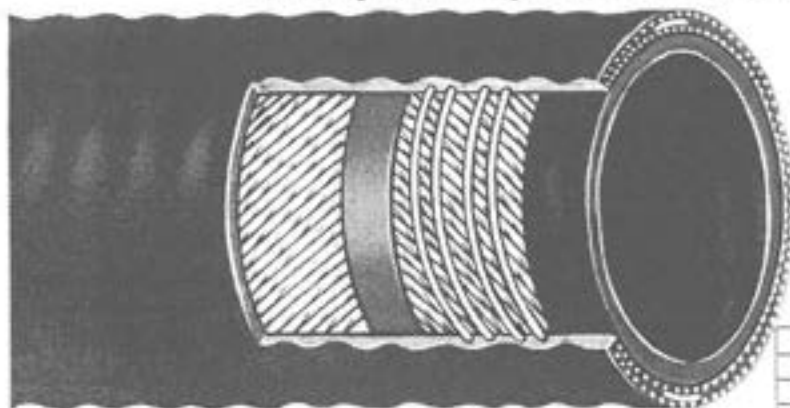
LENGTHS: 8 ft. 4 in. long, or as required

FITTINGS: Soft cutted ends for clamps or bands

SPECIFICATIONS		
I.D. x O.D.	BEND RADIUS	WEIGHT
in.	in.	lb./ft.
10 x 10 $\frac{1}{2}$	30	8.00
12 x 12 $\frac{1}{2}$	36	9.56

Other Sizes Available

Goodyear Paper Machine Suction Box Hose



GOODYEAR

Developed to serve as a flexible connection on the suction box of paper machines, this hose is made in two types for on-hand availability as applications require. Temperature range: -40°F to 180°F (-40°C to 82°C).

TWO CONSTRUCTIONS FOR JOB MATCHED PERFORMANCE: Style 550 is fully corrugated to provide the flexibility needed for applications where the suction box is raised or lowered.

RUGGED AND ECONOMICAL SERVICE. Paper Machine Suction Box hose has a water resistant carcass and a helical steel wire reinforcement to provide the durability to stand up to paper manufacture service conditions. The reinforcement also provides the strength required to handle the full suction rating and assure long, continuous operation.

DESIGNED FOR EASY INSTALLATION. Paper Machine Suction Box hose is available with either straight or soft end construction to allow faster rig-up time and assure an effective clamping area.

CONSTRUCTION:

Tube: Black Plioflex synthetic rubber
Reinforcement: Synthetic fabric—round helix
Cover: Black Plioflex synthetic rubber—corrugated

LENGTHS: As required for each application

FITTINGS: No fittings. Hose is supplied with straight or soft ends, as specified

SPECIFICATIONS STYLE 550			
I.D. x O.D.		SHIPPING WEIGHT	
in.	mm	lb./ft.	kg/m.
2 $\frac{1}{2}$ x 3 $\frac{1}{2}$	63 x 86	2.05	3.05
3 x 3 $\frac{1}{2}$	76 x 98	2.32	3.46
3 $\frac{1}{2}$ x 4 $\frac{1}{2}$	89 x 111	2.59	3.86
4 x 4 $\frac{1}{2}$	102 x 120	2.78	4.26
4 $\frac{1}{2}$ x 5 $\frac{1}{2}$	114 x 132	3.10	4.72
5 x 5 $\frac{1}{2}$	127 x 149	3.93	5.86
6 x 6 $\frac{1}{2}$	152 x 170	4.34	6.87
6 $\frac{1}{2}$ x 7 $\frac{1}{2}$	165 x 183	4.67	7.24
6 $\frac{1}{2}$ x 7 $\frac{1}{2}$	168 x 186	4.76	7.39
6 $\frac{1}{2}$ x 7 $\frac{1}{2}$	171 x 194	5.00	7.55
7 x 7 $\frac{1}{2}$	178 x 196	5.01	7.82
8 x 8 $\frac{1}{2}$	203 x 221	5.53	11.22
8 $\frac{1}{2}$ x 9 $\frac{1}{2}$	216 x 234	6.06	11.77
8 $\frac{1}{2}$ x 9 $\frac{1}{2}$	219 x 237	6.74	11.93
9 x 9 $\frac{1}{2}$	229 x 247	7.05	12.38
10 x 10 $\frac{1}{2}$	254 x 272	7.78	13.54
10 $\frac{1}{2}$ x 11 $\frac{1}{2}$	270 x 292	8.22	14.24
10 $\frac{1}{2}$ x 11 $\frac{1}{2}$	273 x 292	8.38	14.39
12 x 12 $\frac{1}{2}$	305 x 327	9.30	16.08
12 $\frac{1}{2}$ x 13 $\frac{1}{2}$	324 x 342	9.86	16.73

Goodyear Plicord Flexwing Petroleum Hose


GOODYEAR

Series 1441

Flexwing Petroleum hose is used in tank truck and in-plant operations to transfer gasoline, oil and other petroleum base products. It is designed for pressure, gravity flow, or suction service. Capable of handling temperatures of -35° to 180°F.

MULTI-PURPOSE VERSATILITY. Flexwing Petroleum is unaffected by oils, alkalies, diluted chemicals, petroleum base solvents, and aqueous salt solutions.

CONSTRUCTION:

Tube: Chemigum synthetic rubber (ORS)

Reinforcement: Synthetic fabric with wire helix

Cover: Black Chemivul synthetic rubber (ORS) with spiral red stripe

LENGTHS: 100 ft.

FITTINGS: Quick acting, reattachable

SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
1 1/2 x 1 3/4	32.0 x 44.8	150	1.0	3	76	.79	1.01
1 1/2 x 2 1/4	38.1 x 51.7	150	1.0	4	102	.98	1.37
2 x 2 3/4	50.8 x 64.9	150	1.0	4 1/2	114	1.29	1.84
2 1/2 x 3 1/4	63.5 x 77.8	150	1.0	5 1/2	146	1.66	2.32
3 x 3 3/4	76.2 x 90.7	150	1.0	7	178	2.03	2.84
4 x 4 3/4	101.6 x 117.0	150	1.0	10	254	2.68	3.84
6 x 6 3/4	152.7 x 171.8	150	1.0	30	762	5.39	7.84

Goodyear Plicord Red Flextra Hose



Series 1450

Designed for the transfer of gasoline and other petroleum base products under pressure, gravity flow or suction where maximum flexibility is needed. Capable of handling temperatures of -30° to 180°F.

HIGHLY VERSATILE. Red Flextra can be used to handle gasoline, oils, alkalies, diluted chemicals, petroleum base solvents and aqueous solutions.

CONSTRUCTION:

Tube: Chemigum synthetic rubber (ORS)

Reinforcement: Synthetic fabric with spiral double wire helix

Cover: Red Neoprene, corrugated synthetic rubber (ORS) with white spiral stripe

LENGTHS: 100 ft.

FITTINGS: Quick acting, reattachable

SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
2 x 2 1/2	50.8 x 60.4	100	.69	4	102	.86	1.41
2 1/2 x 3 1/4	63.5 x 73.0	100	.69	5	127	1.12	1.55
3 x 3 3/4	76.2 x 86.9	100	.69	6	152	1.45	2.11
4 x 4 3/4	101.6 x 114.8	100	.69	9	229	2.28	3.27

Goodyear Paladin Petroleum Drop Hose



Series 1452

Recommended for transferring gasoline and other petroleum base products under pressure, gravity flow, or suction. Maximum aromatic content — 55%.

CONSTRUCTION:

Tube: Black Chemigum® synthetic rubber

Reinforcement: Synthetic fabric

Cover: Red Chemivul® with White Pliovic® helix (static wire in helix)

LENGTHS: 100 ft.

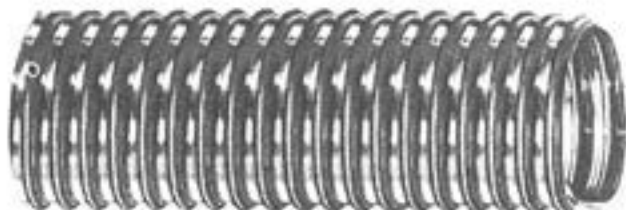
COUPLINGS: Quick acting, reattachable with two 3/4" or 1" wide steel bands. Banding coils are required.

SPECIFICATIONS									
I.D.		O.D.		MAX. WP		BEND RADIUS		STD. PKG. LENGTH	
in.	mm	in.	mm	psi	MPa	in.	mm	ft.	m
3	76.1	3 1/2	89.5	75	.52	3	76	100	30.5
4	102.6	4 1/2	115.8	75	.52	5	127	100	30.5

The above working pressures are based on an ambient temperature of 70°F and will vary inversely with temperature changes.

This hose is lightweight, twice as flexible, has a long service life and is economical.

Goodyear Spiraflex Polyurethane Vapor Recovery Hose

Series 1458

Compounded to recover gasoline vapors in tank truck loading at bulk terminals and in tank truck unloading at service stations.

TOUGH AND EFFICIENT. The smooth inside diameter has a low coefficient of friction for a high rate of flow. The high quality polyurethane in Spiraflex Vapor Recovery hose resist gasoline vapors, ozone, and weathering while they withstand the abrasive action of dragging. It stays flexible at temperatures from 0°F (-18°C) to 150°F (65.5°C). Safety Factor — 3:1 burst.

CONSTRUCTION:

Tube: Transparent Polyurethane
Reinforcement: Red rigid Pliovic helix
Cover: Transparent Polyurethane

LENGTHS: 100 ft.

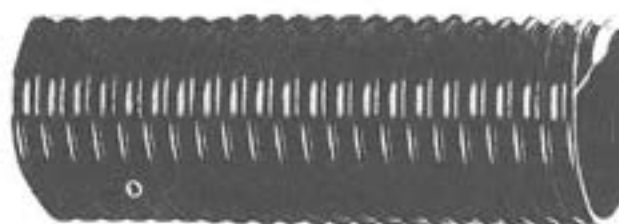
FITTINGS: Quick coupling with bands or clamps, short shank aluminum, and aluminum combination nipples. Available with enlarged ends.

Available with or without static bonding wire.

SPECIFICATIONS									
I.D.		O.D.		MAX. WP		BEND RADIUS		STD. PKG. LENGTH	
in.	mm	in.	mm	psi	MPa	in.	mm	ft.	m
3	76.2	3.41	86.5	20	.14	4.0	101.6	100	30.5
4	101.6	4.512	114.6	15	.10	7.0	177.8	100	30.5
WITH STATIC BONDING WIRE									
3	76.2	3.41	86.5	20	.14	4.0	101.6	100	30.5
4	101.6	4.512	114.6	15	.10	7.0	177.8	100	30.5

The above working pressures are based on an ambient temperature of 70°F (21°C), and will vary inversely with temperature changes.

Goodyear Spiraflex Vapor Recovery Hose



Series 1446

Compounded for recovering gasoline vapor in tank truck loading at bulk terminals and in tank truck unloading at service stations.

TOUGH AND EFFICIENT. The smooth inside diameter has a low coefficient of friction for a high rate of flow. The high quality polymers in Spiraflex Vapor Recovery hose resist gasoline vapors, ozone, and weathering and withstand the abrasive action of dragging. Temperature range — 0°F to 150°F (-18°C to 65°C). Safety Factor — 3:1 burst.

CONSTRUCTION:

Tube: Black Pliovic/Chemigum blend
Reinforcement: White rigid high polymer synthetic
Cover: Black Pliovic/Chemigum blend

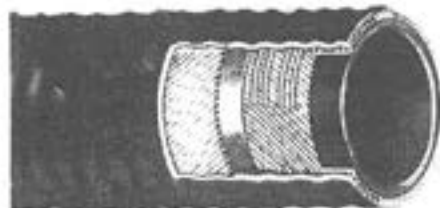
LENGTHS: 100 ft. lengths

FITTINGS: Quick coupling with bands or clamps, short shank aluminum, and aluminum combination nipples. Available with enlarged ends.

SPECIFICATIONS									
I.D. x O.D.		MAX. WP		BEND RADIUS		STD. PKG. LENGTH		WEIGHT	
in.	mm	psi	MPa	in.	mm	ft.	m	lb./ft.	kg./m.
3	76.2	16	.11	5.0	127	100	30.5	.62	.92
4	101.6	10	.07	7.0	178	100	30.5	.89	1.32

The above working pressures are based on an ambient temperature of 70°F (21°C), and will vary inversely with temperature changes.

Goodyear Plicord Vapor Recovery Hose



Series 1445

Plicord Vapor Recovery hose is designed to recover gasoline vapors while unloading tank trucks at service stations or loading tanks at bulk terminals. Capable of handling temperatures of -35° to 180°F.

CONSTRUCTION:

Tube: Chemigum oil resisting synthetic rubber
Reinforcement: Synthetic fabric with wire helix
Cover: Black Chemivac (corrugated) with blue stripe

LENGTHS: 2" I.D.: 100 ft.; 3" I.D.: 100 ft.; 4" I.D.: 50 ft.

FITTINGS: Quick acting

SPECIFICATIONS									
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT			
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.		
2 x 2 1/2	50.8 x 60.5	25	.17	4	101.6	.86	1.32		
3 x 3 1/2	76.2 x 86.3	25	.17	6	152.4	1.45	2.02		
4 x 4 1/2	101.6 x 113.0	25	.17	9	228.6	2.18	3.04		



Rubber & Specialties, Inc.

Goodyear Flexsteel Hardwall Petroleum Hose UL Approved

GOODYEAR FLEXSTEEL



SPECIFICATIONS					
I.D. x O.D.		MAX. WP		REINFORCEMENT	WEIGHT
in.	mm	psi	MPa		lb./ft. kg./m.
1/2 x 1.000	15.9 x 25.4	350	2.4	1 wire	.42 .63
3/4 x 1.125	19.1 x 28.6	250	1.7	1 wire	.45 .67
1 x 1.375	25.4 x 34.9	150	1.04	1 wire	.52 .77

Series 1411

Flexsteel Gasoline hose is designed for dispensing pump applications which require a hard wall construction for full flow and no internal spring guards. It is ideal for reel or retractable cable pump applications. It handles all types of gasoline, oil and petroleum based products.

CONSTRUCTION:

Tube: Chemigum synthetic rubber (ORS)

Reinforcement: Wire braid

Cover: Chemigum synthetic rubber (ORS). Available in black, red, green, yellow, blue, white, and orange

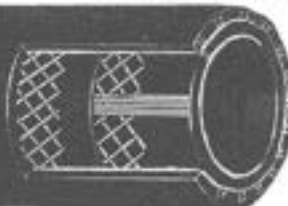
LENGTHS: Specified cut and coupled lengths or long continuous lengths on reels

FITTINGS: One-time gasoline hose fittings

CAUTION: All hose assemblies must be tested to insure hose fitting compatibility.

Goodyear Pace Softwall Petroleum Hose UL Approved

GOODYEAR PACER



ECONOMICAL SPIRAL DESIGN. Pacer softwall hose is made with spiral reinforcements that provide excellent strength at an economical price. Its reinforcement features four alternating left and right hand spiral cords to achieve greater flexibility and ease of handling than a standard two-braid hose. Pacer Softwall is UL 330 approved.

TOUGH, ABRASION RESISTANT COVER. The cover on Pacer hose is made with Goodyear's tough, abrasion resistant Chemigum synthetic rubber compound. It has unmatched resistance to gasoline, cuts, sun, and weather. The tube is made with Chemigum synthetic rubber for high resistance to swelling, softening, and flaking.

CONSTRUCTION:

Tube: Chemigum synthetic rubber (ORS)

Reinforcement: Spiral synthetic yarn with static wire

Cover: Chemigum synthetic rubber (ORS)

Series 1410

LENGTHS: Specified cut and coupled lengths or long continuous lengths on reels

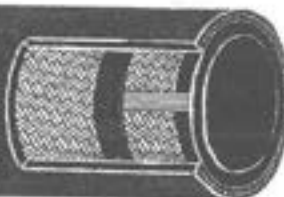
FITTINGS: One-time gasoline hose fittings only. Spring guards recommended.

CAUTION: All hose assemblies must be tested to insure hose fitting compatibility.

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		REINFORCEMENT	WEIGHT
in.	mm	psi	MPa		lb./ft. kg./m.
1/2 x 3/4	15.9 x 24.8	100	1.0	Spiral Synthetic Cord With Static Wire	.28 .38
3/4 x 1 1/4	19.2 x 29.2	100	1.0	Spiral Synthetic Cord With Static Wire	.37 .51
1 x 1 1/2	25.4 x 38.1	100	1.0	Spiral Synthetic Cord With Static Wire	.60 .85

Goodyear BC Marina Petroleum Hose UL Approved

GOODYEAR BC MARINA



SPECIFICATIONS					
I.D. x O.D.		MAX. WP		REINFORCEMENT	WEIGHT
in.	mm	psi	MPa		lb./ft. kg./m.
1/2 x 1 1/4	19.0 x 30.1	150	1.04	2 braid	.48 0.7
1 x 1 1/2	25.4 x 38.1	150	1.04	2 braid	.65 1.0

Series 1420

BC Marina hose is designed to dispense gasoline and fuel oil to pleasure craft and commercial boats at fresh and salt water marinas.

CONSTRUCTION:

Tube: Chemigum synthetic rubber (ORS)

Reinforcement: Braided synthetic yarn with static wire

Cover: Green Chemigum synthetic rubber

LENGTHS: Long continuous lengths on reels

FITTINGS: One-time gasoline hose fittings only.

CAUTION: All hose assemblies must be tested to insure hose fitting compatibility.

Goodyear Wingcraft Aircraft Fueling Hose


GOODYEAR

Series 1430

Wingcraft Aircraft Fueling hose is specially designed for safety fueling or defueling commercial and private aircraft. It handles jet fuel and the higher aromatic aviation gasolines. Its high working pressure permits use in fuel cart hydrant service.

MEETS SAFETY SPECIFICATIONS. Wingcraft Aircraft Fueling hose meets specifications API 1529 Fourth Edition, December 1989, type C grade 1 and 2 and NFPA 407.

FULLY SAFETY TESTED. Every coupled hose length is hydrostatically tested to 450 PSI, then certified and serialized for permanent identification.

EXCELLENT PERFORMANCE. Wingcraft Aircraft Fueling hose features extraordinary handling flexibility for fast, easy response to reeling and unreeling with no hang-up in sub-zero weather. It slides smoothly over the ground with minimum drag.

CONSTRUCTION:

Tube: Black Chemigum synthetic rubber (ORS)

Reinforcement: Synthetic fabric

Cover: Black Wingpree Static dissipating synthetic rubber (ORS)

LENGTHS: Up to 200 ft.

COUPLED LENGTHS: Coupled cut lengths available. 10% premium for lengths under or over 50 ft. 10 ft. minimum length.

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1 x 1 1/4	25.4 x 40.1	300	2.0	.64	.94
1 1/4 x 1 1/2	32.0 x 48.0	300	2.0	.85	1.25
1 1/2 x 2 1/4	38.0 x 54.0	300	2.0	.96	1.43
2 x 2 3/4	51.2 x 69.2	300	2.0	1.40	2.09
2 1/2 x 3 3/4	63.7 x 81.7	300	2.0	1.69	2.52
3 x 3 3/4	76.1 x 94.1	300	2.0	1.98	2.95
4 x 4 3/4	102.1 x 120.4	300	2.0	2.56	3.81

PYROFLEX® HOT TAR WAND

GOODYEAR

PETROLEUM TRANSFER HOSE



APPLICATION:

Goodyear's Pyroflex Hot Tar Wand hose is a high quality wand hose used in asphalt crack filling applicator and dispensing service.

Series 1200

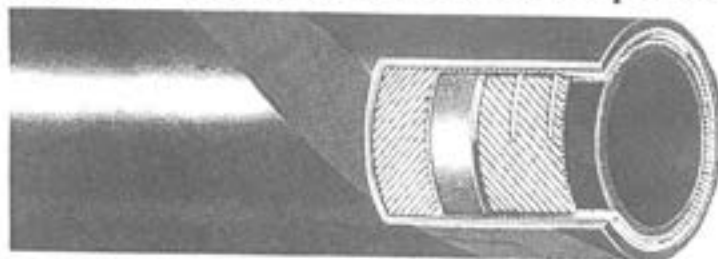
NOM. ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m
3/4	19.05	1 23/64	34.53	300	2.1	—	—	—	—	.68	1.01
1	25.40	1 39/64	40.88	300	2.1	—	—	—	—	.84	1.25

Also: GH1663 Hose can be used



Rubber & Specialties, Inc.

Goodyear Pyroflex Hot Tar & Asphalt Hose



Recommended for the transfer of high temperature petroleum based materials such as tar, asphalt, and hot oils. It is suitable for suction and discharge service on tank trucks, tank cars, or at bulk stations.

SPECIAL REINFORCEMENT EXTENDS LIFE. A special heat resistant tube and Flexten reinforcement withstand temperatures from -25° to 350°F (210°C) in continuous service.

COMPOUNDED FOR A WIDE RANGE OF USES. An exclusive Chemigum synthetic rubber tube compound makes it possible to handle a wide range of petroleum based products at ambient or elevated temperatures.

CONSTRUCTION:

Tube: Black Chemigum (special heat resistant) synthetic rubber (ORS)

Reinforcement: Flexten reinforced and helix

Cover: Black Wingprene synthetic rubber (ORS) with spiral red stripe

LENGTHS: 100 ft.

FITTINGS: Quick-acting, reattachable, or one-time

GOODYEAR

Series 1208

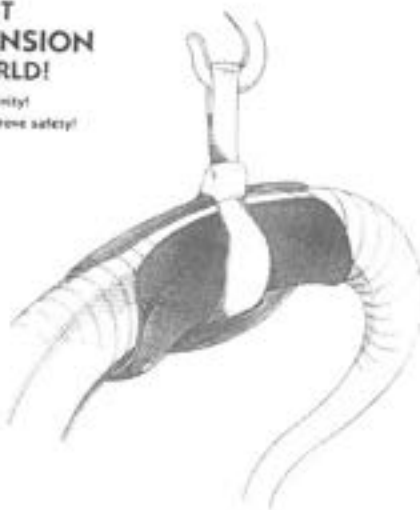
SPECIFICATIONS						
I.D. x O.D.		MAX. WP		WEIGHT		
in.	mm	psi	MPa	lb./ft.	kg./m.	
1 1/2 x 2 1/2	38.1 x 56.4	150	1.0	1.29	2.19	
2 x 2 3/4	50.8 x 69.6	150	1.0	1.65	2.83	
2 1/2 x 3 1/2	63.5 x 82.2	150	1.0	2.04	3.62	
3 x 3 3/4	76.2 x 98.0	150	1.0	2.89	4.37	
4 x 4 1/2	101.6 x 122.4	150	1.0	3.45	5.58	

HOSEBUN Hose Suspension

Series 10000-HB 800

**THE BEST
HOSE SUSPENSION
IN THE WORLD!**

Increase productivity!
Reduce hose costs! Improve safety!



Hosebun Cradle is constructed of hard-wearing polyurethane, a material ageless and impervious to all weather extremes.

Hosebun is specifically designed with consideration to hose manufacturers' recommended minimum bending radii of the hose.

Replaceable slings are manufactured of a polyester latex-treated material.

Note: Latex-treated slings have an increased chemical and abrasion resistance providing extended service life.

Sling rated capacities are established using a 5 to 1 Safety Factor.

FOR LARGE BORE HEAVY DUTY HOSES

HOSEBUN MODEL	TO FIT I.D. HOSE SIZE	RATED CAPACITY (LBS.)
HB 300	3"	1500
HB 400	4"	1500
HB 600	6"	8000
HB 800	8"	12000
HB 1000	10"	15000
HB 1000 C/W RS 1000 SLING	12"	15000

All Models come complete with their respective Lifting Sling

METAL TAR AND ASPHALT HOSE

METAL TAR AND ASPHALT HOSE — Designed for conveying hot tar & asphalt for road and construction work. Heavy wall gauge carbon steel strip is interlocked together with high temperature packing between corrugations to provide a complete seal. Max. recommended temperature 400°F. Couplings are heat proof reusable male or female NPT thread. **Above hose is not recommended for pressure application.**

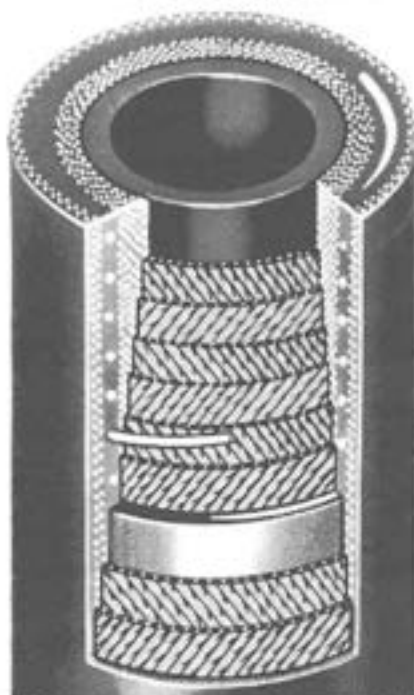
Series 1919



Couplings: Series 2239



Goodyear Smooth Bore Dock Hose



GOODYEAR

Series 1480

Smooth Bore Dock hose is designed for the transfer of petroleum based products between docks and ships under all types of service conditions. It is available in two working pressures and with a number of tube compounds to tailor the fluid handling capabilities to a wide variety of petroleum and chemical compositions.

LEAK RESISTANT UNDER HIGH PRESSURE. Smooth Bore Dock hose is available in constructions to handle working pressures up to 300 PSI (2.07 MPa). It complies with all Coast Guard regulations for dock hose. Special metal grooves in filters seals rubber around the built-in nipple to provide added protection against leakage.

VERSATILITY. The special Chemigum synthetic rubber tube, which is standard in Goodyear Smooth Bore Dock hose, is compounded to provide resistance to petroleum based fluids with up to 50% aromatic content. Special tube compounds are available to handle up to 100% aromatic contents and a wide range of chemicals.

STRONG AND DURABLE. Goodyear Smooth Bore Dock hose will handle full vacuum service as well as up to 300 PSI (2.07 MPa) working pressures with a minimum 4:1 safety factor. Heavy reinforcement and a tough, abrasion resistant cover makes it suitable for the roughest service conditions.

CONSTRUCTION:

Tube: Oil resistant Chemigum synthetic rubber is standard. Also available with Flosyn synthetic rubber tube for high aromatics (up to 100%), and Special synthetic rubber or Chemrin synthetic rubber for chemical service.

Reinforcement: Vytacord fabric plies with wire helix

Cover: Wingprene synthetic rubber (spiral cloth wrap finish)

LENGTHS: Up to 75 ft.

FITTINGS: Built-in high pressure nipples with welded-on

flanges or swaged fittings up to 10" I.D.

SPECIFICATIONS—200# SMOOTH BORE—CHEMIGUM TUBE							
I.D. x O.D.		PLIES	MAX. WP		BEND RADIUS		WEIGHT
in.	mm		psi	MPa	in.	mm	
3 x 4 $\frac{1}{2}$	76 x 108.6	6	200	1.38	18	457	4.54
4 x 5 $\frac{1}{2}$	102 x 135.0	6	200	1.38	24	607	6.20
6 x 7 $\frac{1}{2}$	152 x 191.5	6	200	1.38	36	914	11.76
8 x 9 $\frac{1}{2}$	203 x 244.3	6	200	1.38	48	1219	16.34
10 x 11 $\frac{1}{2}$	254 x 295.1	8	200	1.38	60	1524	21.08
12 x 13 $\frac{1}{2}$	305 x 353.9	8	200	1.38	72	1829	30.44

SPECIFICATIONS—200# SMOOTH BORE—FLOSYN TUBE							
I.D. x O.D.		PLIES	MAX. WP		BEND RADIUS		WEIGHT
in.	mm		psi	MPa	in.	mm	
4 x 5 $\frac{1}{2}$	102 x 134.6	6	200	1.38	24	607	6.37
6 x 7 $\frac{1}{2}$	152 x 191.1	6	200	1.38	36	914	12.01
8 x 9 $\frac{1}{2}$	203 x 243.9	6	200	1.38	48	1219	16.68
10 x 11 $\frac{1}{2}$	254 x 294.7	6	200	1.38	60	1524	21.51
12 x 13 $\frac{1}{2}$	305 x 353.5	8	200	1.38	72	1829	30.95

SPECIFICATIONS—300# SMOOTH BORE—FLOSYN TUBE							
I.D. x O.D.		PLIES	MAX. WP		BEND RADIUS		WEIGHT
in.	mm		psi	MPa	in.	mm	
3 x 4 $\frac{1}{2}$	76 x 108	6	300	2.07	18	457	4.35
4 x 5 $\frac{1}{2}$	102 x 134	6	300	2.07	24	607	6.10
6 x 7 $\frac{1}{2}$	152 x 190	6	300	2.07	36	914	10.38
8 x 9 $\frac{1}{2}$	203 x 248	6	300	2.07	48	1219	15.51
10 x 11 $\frac{1}{2}$	254 x 299	6	300	2.07	60	1524	20.73
12 x 14	305 x 356	6	300	2.07	72	1829	27.65

**ROUGH BORE
DOCK HOSE
AVAILABLE**
Call for more information

See Hosebun Suspension

Series 10000-HB 800

150 CL Ducting Hose



Temp. Range: -13°F to 158°F

Applications:

Lightweight general ducting for ventilation and grass clippings, leaves, dust and fumes.

Construction:

Flexible PVC, rigid PVC helix, smooth bore, corrugated O.D.

I.D., inches	O.D., inches	PITCH, inches	MINIMUM BENDING RADIUS 72°F, inches	WORKING PRESSURE 72°F, P.S.I.	BURSTING PRESSURE 72°F, P.S.I.	VACUUM RATING 72°F, in. Hg	WEIGHT, lbs./ft.
2 1/2	2.74	43	2.5				.37
3	3.37	47	3.0				.48
4	4.43	57	4.0				.71
5	5.59	79	5.0				1.05
6	6.53	79	6.0				1.29
7	7.39	83	7.0				1.38
8	8.55	89	8.0				1.71

620 WD Blower Hose



Series 1250

Temp. Range: -40°F to 220°F

Applications:

General ducting and blower applications. For use with lightweight abrasives such as sawdust, grass clippings, street refuse and cotton pickers.

Construction:

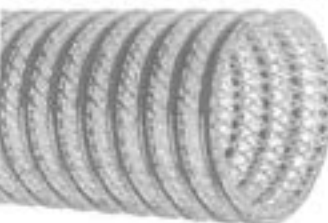
EPDM rubber, metal wire helix, smooth bore, slightly corrugated O.D.

Features:

- Rated to 220°F
- Abrasion resistant yet very flexible
- 100% rubber sidewall (no fabric)

I.D., inches	O.D., inches	PITCH, inches	MINIMUM BENDING RADIUS 72°F, inches	WORKING PRESSURE 72°F, P.S.I.	BURSTING PRESSURE 72°F, P.S.I.	VACUUM RATING 72°F, in. Hg	WEIGHT, lbs./ft.
2 1/2	3.00	58	3.0				.44
3	3.87	60	3.0				.55
4	4.35	65	4.0				.73
5	5.33	88	5.0				.84
6	6.33	87	6.0				1.04
7	7.30	89	7.0				1.19
8	8.33	92	8.0				1.38
10	10.47	102	10.0				2.40
12	12.26	120	12.0				2.50

Kanaline SR Suction / Discharge Hose



Series 1538

Temp. Range: -13°F to 158°F

Applications:

Heavy duty suction and discharge hose for use in fish suction and rental/construction pumping.

Construction:

Flexible PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated O.D.

Features:

- Lightweight and flexible
- External helix provides for easy drag
- Rated for both suction and discharge
- Clear sidewall permits visual check of material flow

I.D., inches	O.D., inches	PITCH, inches	MINIMUM BENDING RADIUS 72°F, inches	WORKING PRESSURE 72°F, P.S.I.	BURSTING PRESSURE 72°F, P.S.I.	VACUUM RATING 72°F, in. Hg	WEIGHT, lbs./ft.
2 1/2	2.91	37	2.6	110	360	28.0	.47
3	3.58	43	4.0	100	300	28.0	.70
4	4.72	59	6.3	100	280	28.0	1.13
5	5.71	65	7.1	75	230	28.0	1.74
6	7.17	80	10.2	70	230	28.0	3.88
8	9.33	107	15.7	60	200	28.0	5.54
10	11.63	122	24.8	40	130	28.0	8.68

Powerlock Clamps

Series 3002

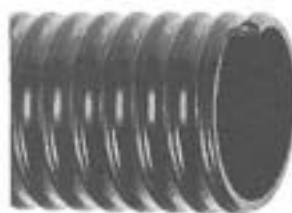


Steel, double bolt clamp designed specifically for use with our corrugated hose such as Series 100, 180, 200 and KANALINE. Available in 2", 2-1/2", 3", 4", 5", 6", 8", 10" and 12" sizes.

POWERLOCK CLAMP PS

Powerlock clamp PS also available for use with our 101 PS Series in 2", 3" and 4" sizes.

120 VP Vapor Recovery Hose



Temp. Range: -40°F to 158°F

Applications:
Gasoline vapor recovery only.

Construction:
Nitrile rubber, rigid PVC helix, smooth bore, corrugated O.D.

Series 1454

I.D., inches	O.D., inches	PITCH, inches	MINIMUM BENDING RADIUS 72°F, inches	WORKING PRESSURE 72°F, P.S.I.	BURSTING PRESSURE 72°F, P.S.I.	VACUUM RATING 72°F, in.Hg	WEIGHT, lbs./ft.
2	2.35	.39	3.0				56
3	3.48	.59	2.5				92
4	4.60	.65	5.0				160

120 LT & ST 120 LT Petroleum Drop Hose



Temp. Range: -30°F to 158°F

Applications:
Gasoline tank truck gravity drop hose for such items as naphtha, kerosene, light and heavy oil, and gasohol

Construction:
Nitrile rubber, rigid PVC helix, synthetic braiding, smooth bore, corrugated O.D.

Features:

- Lightweight and flexible
- External helix provides for easy drag
- Rated for up to 40% aromatic content
- Available with static grounding wire: ST 120 LT

Note: Banding sleeves must be used for 3" and 4" sizes.

Series 1448

120 LT	3	3.62	.59	6.0	65	260	1.27
	4	4.80	.65	8.0	65	260	2.00

ST 120 LT	2	2.88	.39	5.0	65	260	1.13
	3	3.62	.59	6.0	65	260	1.37
	4	4.80	.65	8.0	65	260	2.16

180 AR Vacuum & Material Handling Hose



Temp. Range: -40°F to 158°F

Applications:
Heavy duty abrasion resistant suction hose for vacuum trucks or handling abrasives such as crushed rock, sand, pea gravel, cement powder, dry fertilizer, iron ore and grains

Construction:
SBR rubber blended with static carbon black, rigid PVC helix, smooth bore, corrugated O.D.

Features:

- Lightweight and flexible
- Static dissipating with no grounding wire
- Extremely abrasion resistant

Note: This hose was not designed for bulk handling such as unloading of rail cars.

Series 1275

1 1/4	1.57	.33	2.0	45	150	29.8	.31
1 1/2	1.82	.35	2.0	45	150	29.8	.37
2	2.35	.39	2.5	40	130	29.8	.50
2 1/2	2.87	.56	2.5	35	115	29.8	.88
3	3.50	.59	3.0	35	115	29.8	1.10
3 1/2	4.11	.64	4.0	30	100	29.8	1.35
4	4.63	.65	4.5	30	100	29.8	1.77
5	5.63	.87	5.0	30	100	28.0	2.47
6	6.73	.87	6.2	30	100	28.0	3.08
7	7.83	.87	14	30	100	27.0	4.10
8	9.04	.91	15	30	100	27.0	5.65
10	11.26	1.00	30	28	80	25.0	8.88
12	13.39	1.18	40	25	80	25.0	10.43

Suction & Discharge Hose

300 EPDM



Temp. Range: -40°F to 158°F

Applications:
Heavy duty liquid suction hose for use in construction dewatering, liquid waste, cesspool cleaning, septic handling, agricultural applications and marine use

Construction:
EPDM rubber, polyethylene helix, smooth bore, corrugated O.D.

Features:

- Lightweight and flexible
- External helix provides for easy drag
- Resistant to agricultural chemicals

Series 1530

1	1.34	.30	1.9	55	220	29.8	.23
1 1/4	1.65	.33	3.2	50	220	29.8	.34
1 1/2	1.84	.35	3.2	50	220	29.8	.40
2	2.43	.39	5.2	50	190	29.8	.67
2 1/2	2.94	.56	5.6	50	190	29.8	.92
3	3.52	.59	7.1	43	150	29.8	1.10
4	4.61	.65	11.0	38	140	29.8	1.84
6	6.69	.87	23.0	23	100	28.0	3.07



Goodyear Spiraflex 1600 Suction & Discharge Hose



GOODYEAR

Series 1535

SPECIFICATIONS

I.D. x O.D.		MAX. WP		BEND RADIUS		VACUUM RATING HG	WEIGHT	
in.	mm	psi	MPa	in.	mm		lb./ft.	kg/m.
1/2 x 3/4	19.1 x 24.5	130	896	3.25	83	29	18	2.7
1 x 1.24	25.4 x 32.0	106	73	4.5	114	29	23	3.4
1 1/2 x 1.53	31.8 x 38.8	99	68	5.0	127	29	34	5.1
1 1/2 x 1.78	38.1 x 45.3	89	61	6.0	152	29	41	6.1
2 x 2.31	50.8 x 60.0	79	55	8.0	203	29	60	8.9
2 1/2 x 2.85	63.5 x 72.3	65	44	10.0	254	29	82	12.2
3 x 3.38	76.2 x 85.8	65	44	12.0	305	29	115	17.1
4 x 4.43	101.6 x 112.6	55	37	16.0	406	29	162	24.1
6 x 6.57	153.0 x 168.0	47	32	36.0	914	29	317	47.2
8 x 8.85	203.2 x 225.0	40	27.5	60.0	1524	20	633	94.3
10 x 11.02	254.0 x 280.0	35	24.1	100.0	2540	20	875	130.3

The working pressures and vacuum ratings in the table are based on an ambient temperature of 70°F and will vary inversely with temperature changes.

Spiraflex 1600 is designed for water suction and discharge service in construction and septic tank cleaning operations, and for general industrial and agricultural applications where mild chemical resistance is required.

CONSTRUCTION:

Tube: Olive green Pliovic compound

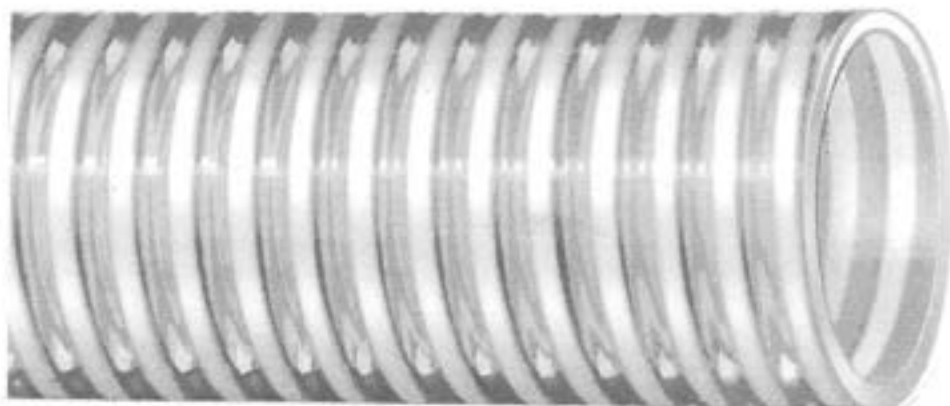
Reinforcement: Rigid Pliovic compound helix (Safety Factor—3:1 burst)

Cover: Olive green Pliovic compound

LENGTHS: 1"-4" 100 ft. lengths; 6" 20 ft., 25 ft. & 100 ft. lengths; 8"-10" 20 ft. & 25 ft. lengths

FITTINGS: Short shank aluminum, quick-disconnect aluminum, and aluminum combination nipples. Brass and malleable iron are compatible.

Goodyear Spiraflex Aggie PVC Hose



Series 1536

Aggie PVC Hose is designed for water suction and discharge service in agricultural applications.

LIGHTWEIGHT, EASY TO HANDLE—Spiraflex Aggie PVC hose is 50% lighter than conventional rubber hose made for the same service. It remains flexible at temperatures from 15°F to 150°F (-9°C to 65°C). The smooth bore provides a high rate of flow even under bending conditions.

CONSTRUCTION:

Tube: Clear Pliovic®

Reinforcement: Rigid white Pliovic

Cover: Clear Pliovic

FITTINGS: Short shank aluminum, quick-disconnect aluminum, and aluminum combination nipples. Brass and malleable iron and steel short shank, quick disconnect and combination nipples are also compatible. Check Barb OD measurements to ensure proper fit.

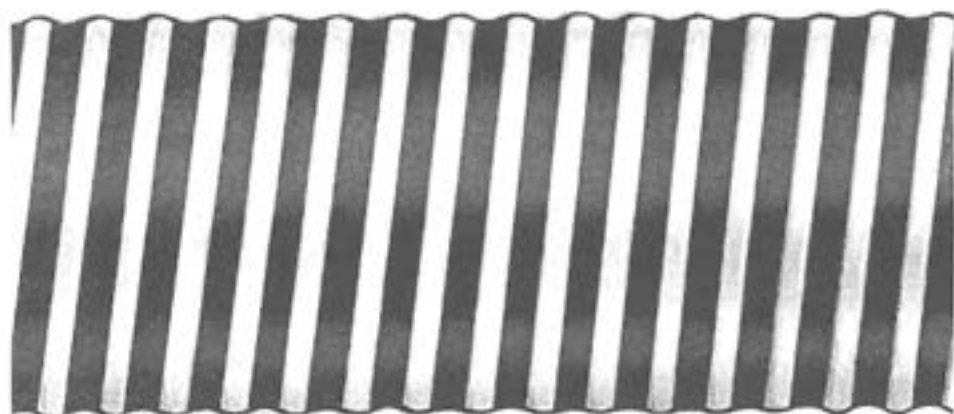
SPECIFICATIONS

I.D. x O.D.		MAX. WP		BEND RADIUS		VACUUM RATING HG	PACKAGE LENGTH	WEIGHT
in.	mm	psi	MPa	in.	mm			lb./ft. kg/m.
1/2 x 1.00	19.1 x 25.4	110	75	3.0	76	29	100/30.5	18/2.6
1 x 1.24	25.4 x 32.0	106	73	4.5	114	29	100/30.5	23/3.4
1 1/2 x 1.53	31.8 x 38.8	99	68	5.0	127	29	100/30.5	34/5.1
1 1/2 x 1.78	38.1 x 45.3	89	61	6.0	152	29	100/30.5	41/6.1
2 x 2.31	50.8 x 58.6	79	54	8.0	203	29	100/30.5	58/8.6
2 1/2 x 2.85	63.5 x 73.0	65	45	10.0	254	29	100/30.5	90/13.4
3 x 3.38	76.2 x 85.8	65	45	12.0	305	29	100/30.5	110/16.4
4 x 4.43	101.6 x 112.6	55	38	16.0	406	29	100/30.5	162/24.1
6 x 6.57	152.4 x 167.0	47	32	36.0	914	29	100/30.5	309/46.0

The above working pressures and vacuum ratings are based on an ambient temperature of 70°F (21°C) and will vary inversely with temperature changes.



Goodyear Premier Suction & Discharge Hose



GOODYEAR

Series 1529

Medium Duty Suction and Discharge hose designed for use in agricultural, construction and general industrial service.

BUILT FOR ENDURANCE. The special TPE tube offers maximum service life against the damaging effects of most agricultural chemicals. (Safety Factor-3:1 burst)

ABUSE RESISTANT. Premier has a tough thermoplastic cover that resists cuts and abrasion for long lasting service.

FLEXIBLE AND EASY TO HANDLE. Premier has a unique construction that makes this hose exceptionally easy to handle. Will accommodate a tight bend radius, resists kinking.

COUPLING COMPATIBILITY. Premier is manufactured to exacting tolerance controls, thus enabling proper coupling fit and a tight seal.

TEMPERATURE RANGE. -30°F (-34°C) to 158°F (70°C).

CONSTRUCTION:

Tube: Black TPE

Reinforcement: Rigid yellow Pliovic helix

Cover: Yellow Pliovic helix

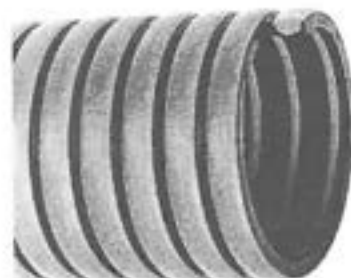
LENGTHS: 100 ft.

FITTINGS: Reattachable, long or short shank, combination nipple and quick-disconnect aluminum. Brass and malleable iron are compatible.

SPECIFICATIONS									
I.D. x O.D.		MAX. WP		BEND RADIUS		VACUUM RATING	PACKAGE LENGTH	WEIGHT	
in.	mm	psi	MPa	in.	mm	in. Hg		lb./ft.	kg/m.
1 x 1.29	25.4 x 33.7	50	35	2.0	51	29	100	30.5	19.28
1 1/4 x 1.85	31.7 x 41.9	50	35	3.2	81	29	100	30.5	31.46
1 1/2 x 1.84	38.1 x 46.7	50	35	3.2	81	29	100	30.5	37.55
2 x 2.43	50.8 x 61.7	50	35	5.2	132	29	100	30.5	70.104
2 1/2 x 2.94	63.5 x 74.7	50	35	5.6	142	29	100	30.5	88.131
3 x 3.52	76.2 x 89.4	43	29	7.1	180	29	100	30.5	98.146
4 x 4.61	101.6 x 117.1	38	26	11.0	279	29	100	30.5	176.262
6 x 6.69	152.4 x 169.9	23	16	20.0	508	29	100	30.5	290.432

The above working pressures and vacuum ratings are based on an ambient temperature of 70°F and will vary inversely with temperature changes.

Heavy Duty PVC Suction Hose



Series 1531

Super Tuff-Flex Suction & Discharge Hoses

Heavy duty liquid and sludge suction hose for use in construction dewatering, cesspool cleaning and septic handling, liquid waste, agriculture applications, mining, marine, and industrial uses. The super elastic compound provides excellent abrasion resistance for slurry transfer, sewage, air, chemicals, grain and pellets. Tough hose for tough applications.

Cover: Gray

Tube: Gray

Reinforcement: Rigid White PVC Helix with Blue coating

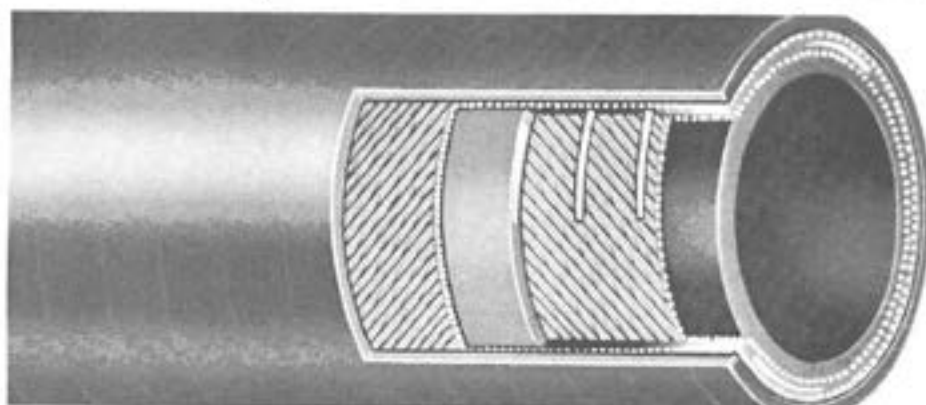
Temp. Range: -15°F to 135°F

SPECIFICATIONS				
DASH	I.D. SIZE	WORKING PRESSURE	BEND RADIUS	WEIGHT PER FT.
024	1-1/2	85	8"	.50
032	2	70	9"	.70
048	3	60	12"	1.15
064	4	45	17"	1.81
096	6	35	27"	3.40

(Safety Factor-3:1 burst)



Goodyear Plicord Water Suction & Discharge Hose



GOODYEAR

Series 1527

Plicord Water Suction & Discharge hose is a general purpose construction for a wide range of applications in medium or heavy duty operations. It is particularly suited for use on centrifugal and diaphragm pumps. Capable of handling temperatures of -25° to 180°F .

ABRASION RESISTANT. The tube and cover of Plicord Water Suction & Discharge hose are made from an exclusive formula of tear, cut, abrasion, and crack resistant Plioflex synthetic rubber.

WITHSTANDS HIGH PRESSURES. A 3:1 minimum safety factor permits high working pressure service, including applications where surge peaks are encountered.

CONSTRUCTION:

Tube: Plioflex synthetic rubber

Reinforcement: Synthetic fabric with wire helix

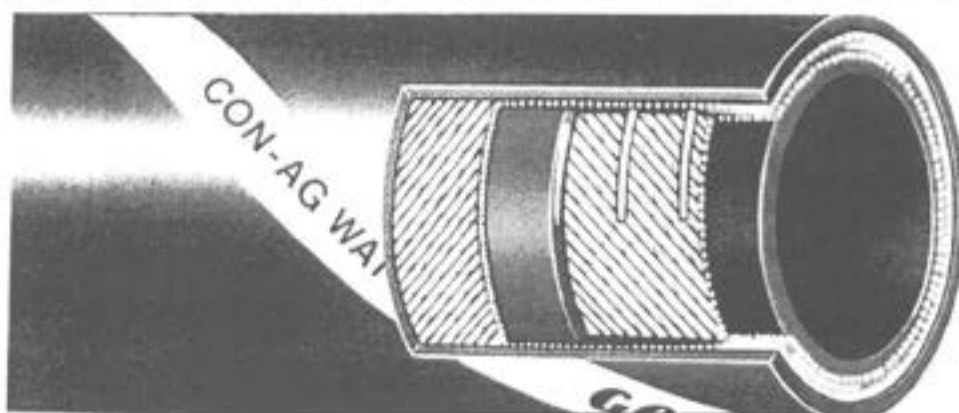
Cover: Black Plioflex synthetic rubber (Wrapped Finish)

LENGTHS: $1\frac{1}{2}$ "-4" 100 ft. lengths; 5"-10" 20 & 25 ft. lengths; 12" 25 ft. lengths

FITTINGS: Reattachable, long or short shank, combination nipples

SPECIFICATIONS							
I.D. x O.D.		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm	psi	MPa	in.	mm	lb./ft.	kg./m.
$1\frac{1}{2}$ x $1\frac{11}{16}$	32.0 x 43.5	150	1.0	9	229	.70	1.04
$1\frac{1}{2}$ x 2	38.0 x 50.6	150	1.0	9	229	.89	1.32
2 x $2\frac{1}{8}$	51.2 x 63.0	150	1.0	14	356	1.08	1.59
$2\frac{1}{2}$ x $3\frac{1}{8}$	63.7 x 77.0	150	1.0	20	508	1.50	2.22
3 x $3\frac{1}{2}$	76.1 x 90.9	150	1.0	24	610	2.00	2.96
4 x 4 $\frac{1}{2}$	102.1 x 117.5	150	1.0	32	813	2.73	3.88
5 x 5 $\frac{1}{2}$	127.4 x 147.9	150	1.0	48	1219	4.72	6.89
6 x 6 $\frac{1}{2}$	152.4 x 174.8	100	0.7	60	1524	6.25	9.19
8 x 9 $\frac{1}{2}$	203.2 x 228.7	100	0.7	80	2032	8.45	12.43
10 x $11\frac{1}{2}$	253.9 x 280.3	100	0.7	100	2540	13.39	19.66
12 x $13\frac{1}{2}$	305.5 x 332.6	100	0.7	120	3048	16.35	23.95

Goodyear Plicord Con-AG Water Suction & Discharge Hose



Series 1525
1528

CON-AG hose is a general purpose water suction and discharge hose to be used for applications in medium or heavy operations such as construction or agriculture.

CONSTRUCTION:

Tube: Black Versigard

Reinforcement: Synthetic fabric with wire helix

Cover: Black Versigard (wrapped finish) with yellow spiral stripe

Temperature: Range -25°F to 32°C to 220°F / 102°C

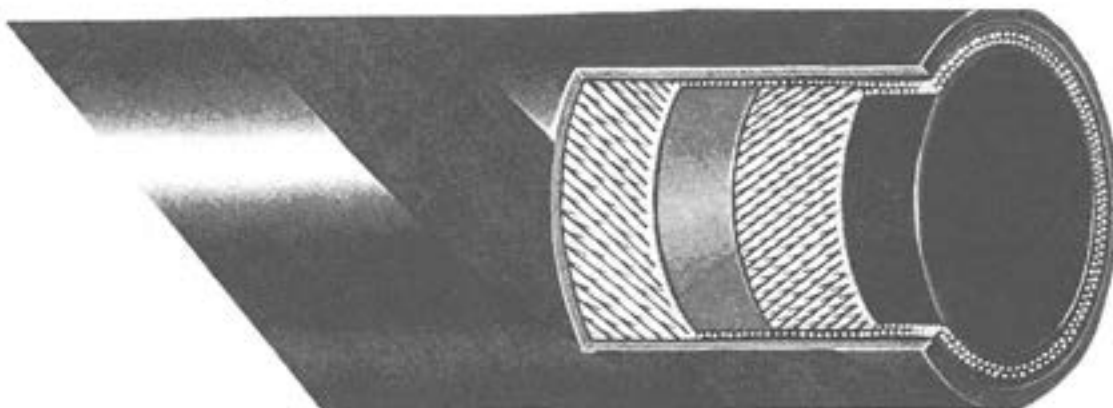
LENGTHS: 100 ft. standard, longer lengths up to 400 feet available

FITTINGS: Short shank combination nipple and reattachable quick couplings

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
$1\frac{1}{2}$ x $1\frac{1}{2}$	32.0 x 43.7	125	.86	.68	1.01
$1\frac{1}{2}$ x $1\frac{1}{4}$	38.1 x 40.6	125	.86	.78	1.15
2 x $2\frac{1}{8}$	51 x 62.62	125	.86	1.06	1.58
$2\frac{1}{2}$ x $3\frac{1}{8}$	63.7 x 76.3	100	.70	1.52	2.24
3 x $3\frac{1}{2}$	76.1 x 89.7	100	.70	1.78	2.65
4 x $4\frac{1}{2}$	102 x 115.31	75	.52	2.39	3.52
6 x 6 $\frac{1}{2}$	152 x 168	75	.52	4.59	6.37



Goodyear Versiflo 125 Water Discharge Hose



Versiflo 125 water discharge hose is designed for medium duty water discharge service where hose does not encounter severe handling.

EFFICIENT AND ECONOMICAL. Plicord Versiflo 125 Water Discharge hose is especially suited for jobs where mobility is important. The Versigard tube and cover are resistant to most agricultural chemicals such as DuPont Lasso. It is an excellent and economical choice for many slightly higher pressure applications due to the 125 PSI working pressure rating.

CONSTRUCTION:

Tube: Black Versigard
Reinforcement: Synthetic fabric
Cover: Black Versigard (Wrapped Finish)

TEMPERATURE RANGE: -25°F/-32°C to 180°F

LENGTHS: 100 ft. standard, longer lengths up to 400 feet available

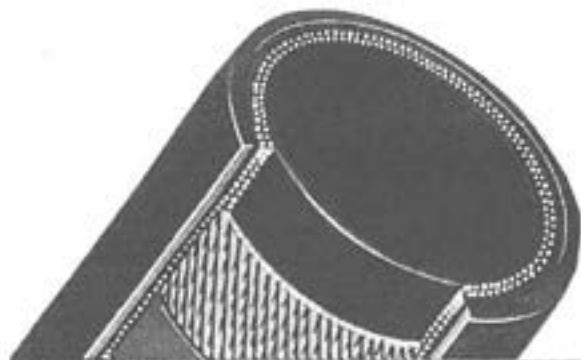
FITTINGS: Short shank, long shank or combination nipple

GOODYEAR

Series 1516

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1 1/2 x 1 3/4	32 x 38	125	.86	.26	.45
1 1/2 x 1 3/4	38 x 44	125	.86	.30	.51
2 x 2 1/4	51 x 57	125	.86	.40	.67
2 1/2 x 2 3/4	63 x 70	125	.86	.49	.82
3 x 3 1/2	76 x 82	125	.86	.58	.97
4 x 4 1/2	102 x 109	125	.86	.83	1.49
6 x 6 1/2	153 x 160.5	125	.86	1.58	2.32

Goodyear Plicord 150 Water Discharge Hose



Series 1516

Plicord 150 Water Discharge hose is designed for heavy duty service in a wide range of applications where working conditions are not unduly severe. Capable of handling temperatures of -25° to 180°F.

GOOD STRENGTH AND SERVICE LIFE. A synthetic fabric reinforcement handles working pressures up to 150 PSI.

WEAR RESISTANT TUBE AND COVER. Both the tube and cover are compounded to resist oxidation, sunlight and moisture. They also exhibit excellent abrasion resistance.

LONG LENGTHS. Plicord 150 Water Discharge hose is available in standard 50 ft. and 100 ft. lengths, depending on I.D. size. Any size is available in lengths up to 400 ft. on special order.

CONSTRUCTION:

Tube: Black Plioflex synthetic rubber
Reinforcement: Piles of synthetic fabric
(1 1/2"-10"-2 spiral piles; 12"-4 spiral piles)
Cover: Black Plioflex synthetic rubber

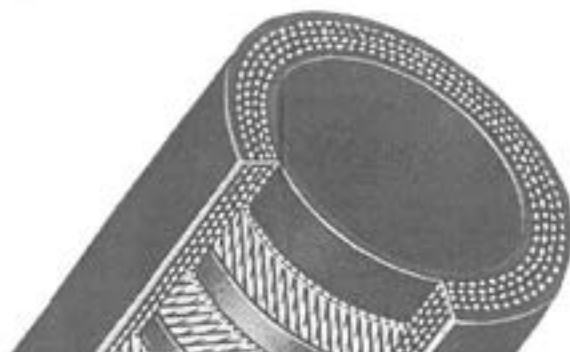
LENGTHS: 50 ft. on 8, 10, and 12-inch I.D. 100 ft. on all other sizes. Contact Goodyear for longer lengths up to 400 ft. on 6-inch I.D. and smaller

FITTINGS: Combination nipple, two score nipple, long shank or interlocking clamp type

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1 1/2 x 1 3/4	38.0 x 46.6	150	1.0	.49	.73
2 x 2 1/4	51.2 x 60.4	150	1.0	.69	1.01
2 1/2 x 2 3/4	63.7 x 72.9	150	1.0	.85	1.22
3 x 3 1/2	76.1 x 88.1	150	1.0	1.34	1.95
4 x 4 1/2	102.1 x 114.1	150	1.0	1.77	2.57
5 x 5 1/2	127.4 x 140.0	150	1.0	2.28	3.29
6 x 6 1/2	152.7 x 165.3	150	1.0	2.71	3.90
8 x 8 1/2	203.6 x 217.4	100	0.7	3.94	5.73
10 x 10 1/2	254.0 x 267.7	100	0.7	4.89	7.10
12 x 12 1/2	305.0 x 321.1	100	0.7	6.66	9.55



Goodyear Plicord HD Water Discharge Hose



GOOD YEAR

Series 1522

Plicord HD Water Discharge hose is a heavy duty, all purpose design with unusually high abrasion resistance. It is ideal for service in quarries, mines and construction. Capable of handling temperatures of -25° to 180°F.

EXCEPTIONAL STRENGTH FOR LONG SERVICE LIFE. Multiple plies of high strength synthetic yarn provide the strength to handle high working pressures and deliver a long service life. All hoses rated to a minimum 4:1 safety factor.

MINIMUM DETERIORATION. Both the tube and cover of Plicord HD Water Discharge hose are made from Plioflex synthetic rubber for mechanical wear resistance and high resistance to ozone, oxidation, sunlight, and moisture.

LONG LENGTHS. Plicord HD Water Discharge hose is available in standard 50 ft. and 100 ft. lengths, depending on I.D. size. Any size (6" and under) is available in lengths up to 400 ft. on special order.

CONSTRUCTION:

Tube: Black Plioflex synthetic rubber
Reinforcement: 4 plies of synthetic yarn
Cover: Black Plioflex synthetic rubber

LENGTHS: 50 ft. on all sizes over 4" I.D. 100 ft. on all other sizes. Contact Goodyear for longer lengths up to 400 ft.

FITTINGS: Combination nipple, two score nipple, long shank, or interlocking clamp type

SPECIFICATIONS						
I.D. x O.D.		MAX. WP		WEIGHT		
in.	mm	psi	MPa	lb./ft.	kg/m.	
1 1/2 x 2 1/4	38.0 x 51.6	200	1.4	.83	1.23	
2 x 2 3/4	51.2 x 64.8	200	1.4	1.07	1.59	
2 1/2 x 3 1/2	63.7 x 78.6	200	1.4	1.44	2.07	
3 x 3 3/4	76.1 x 91.0	200	1.4	1.69	2.45	
4 x 4 3/4	102.1 x 117.0	150	1.0	2.21	3.21	
4 1/2 x 5 1/2	114.6 x 129.5	150	1.0	2.47	3.57	
5 x 5 3/4	127.4 x 142.2	150	1.0	2.72	3.94	
6 x 6 3/4	152.7 x 167.1	150	1.0	3.13	4.69	
6 1/2 x 7 1/2	168.6 x 183.5	150	1.0	3.56	5.15	
8 x 8 3/4	203.6 x 218.5	100	0.7	4.27	6.19	
8 1/2 x 9 1/2	218.5 x 233.4	100	0.7	4.57	6.65	
10 x 10 3/4	254.0 x 270.7	100	0.7	6.03	8.67	
12 x 12 1/2	305.5 x 322.3	100	0.7	7.21	10.36	

Goodyear Spiraflex Red Water Discharge Hose



Series 1514

For medium duty discharge applications in mining, construction, industry, agriculture and marine service. Temperature range: -10°F to 150°F (-23°C to 65°C).

MEETS MSHA TEST REQUIREMENTS. Meets or exceeds minimum U.S. Mine Safety and Health Administration burst and flame test requirements of Part 18 title 30, Code of Federal Regulations, MSHA 2G - 14C/16.

CONSTRUCTION:

Tube: Pliovic® synthetic polymer
Reinforcement: Spiral plies plus a longitudinal ply of synthetic fiber

Cover: Red Pliovic
Safety Factor: 3:1 burst

LENGTHS: 300 ft. continuous length

FITTINGS: Short shank aluminum, quick-disconnect, flat seal coupling, aluminum combination nipple and expansion ring type

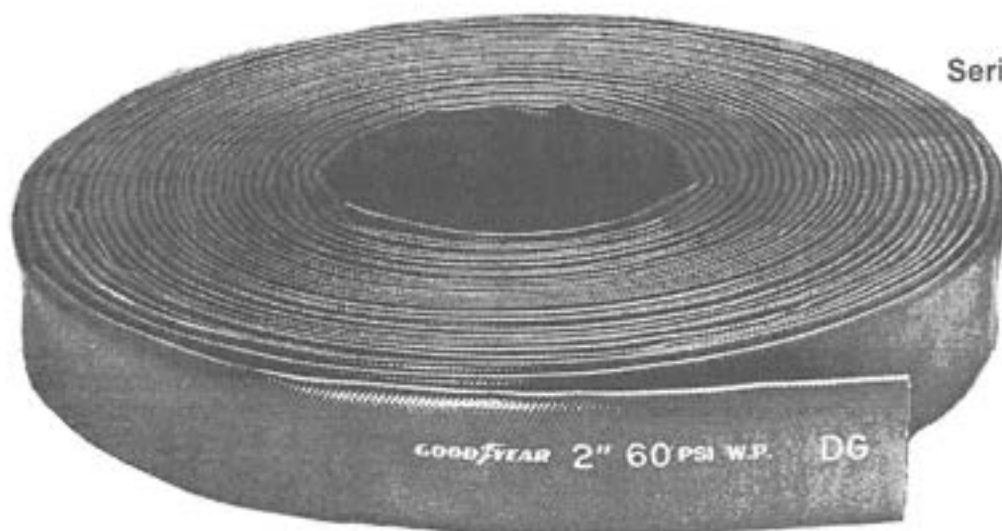
SPECIFICATIONS						
I.D. x O.D.		MAX. WP		STANDARD PKG. WEIGHT		WEIGHT
in.	mm	psi	MPa	ft.	m	lb./ft. kg/m.
1 1/2 X 1.71	39.7 X 43.6	125	.86	300	91.4	.20 .30
2 X 2.24	53.6 X 57.0	125	.86	300	91.4	.24 .39
2 1/2 X 2.78	66.4 X 70.8	100	.69	300	91.4	.40 .60
3 X 3.24	79.4 X 83.6	100	.69	300	91.4	.45 .67
4 X 4.32	101.6 X 109.8	100	.69	300	91.4	.68 1.01
6 X 6.39	152.0 X 162.05	100	.69	300	91.4	1.21 1.80

*Built .090" oversize to facilitate coupling hose.

The above working pressures and vacuum ratings are based on ambient temperature of above 70°F(21°C) and will vary inversely with temperature.



Goodyear Primeline Water Discharge Hose



Series 1518-Gray
1519-Blue

Designed for a wide range of water discharge applications in construction, industry, mining, agriculture, construction, and marine service. Temperature range: -10°F to 150°F (-23°C to 65°C).

CONSTRUCTION:

Tube: Black Pliovic® compound

Reinforcement: Two spiral and one longitudinal Vytacord fiber

Cover: Grey Pliovic compound

LENGTHS: Continuous one-piece lengths

FITTINGS: Short shank aluminum, quick disconnect, aluminum combination nipples, and hard coated aluminum expansion ring type

SPECIFICATIONS

I.D. x O.D.		MAX. WP		STANDARD PKG. WEIGHT		WEIGHT	
in.	mm	psi	MPa	ft.	m	lb./ft.	kg/m.
*1 1/2 X 1.62	39.2 X 43.8	75	5.2	300	91.4	1.98	.29
*2 X 2.11	53.8 X 57.0	60	4.1	300	91.4	2.35	.36
*2 1/2 X 2.62	66.6 X 71.0	60	4.1	300	91.4	3.55	.54
*3 X 3.26	79.2 X 84.0	50	3.5	300	91.4	4.48	.72
*4 X 4.26	104.4 X 110.0	45	3.1	300	91.4	6.9	1.03
*6 X 6.28	157.0 X 162.2	35	2.4	300	91.4	9.90	1.47

*Built .090" oversize to facilitate coupling hose.

For longer lengths contact your Goodyear distributor.

The above working pressures are based on ambient temperature of 70°F (21°C) and will vary inversely with temperature changes.

Goodyear Spiraflex 2700 Water Discharge Hose



Series 1513

CONSTRUCTION:

Tube: Pliovic synthetic polymers.

Reinforcement: Spiral plies plus a longitudinal ply of synthetic fiber.

Cover: Yellow fire retardant Pliovic—MSHA 2G-14C/15 approved. Safety Factor—3:1 burst.

LENGTHS: Continuous 300 ft. lengths.

FITTINGS: Short shank aluminum, quick-disconnect, aluminum combination nipples.

SPECIFICATIONS

I.D. x O.D.		MAX. WP		STANDARD PKG. WEIGHT		WEIGHT	
in.	mm	psi	MPa	ft.	m	lb./ft.	kg/m.
*1 1/2 X 1.72	39.2 X 45.1	200	1.38	300	91.4	.32	.48
*2 X 2.22	53.3 X 59.4	200	1.38	300	91.4	.42	.63
*2 1/2 X 2.75	65.6 X 73.2	200	1.38	300	91.4	.62	.92
*3 X 3.38	78.6 X 86.4	200	1.38	300	91.4	.76	1.13
*4 X 4.33	103.8 X 112.0	150	1.03	300	91.4	1.00	1.49
*6 X 6.39	157.0 X 165.9	150	1.03	300	91.4	1.60	2.38

*Built .080" oversize to facilitate coupling.

For longer lengths contact your Goodyear distributor.

The above working pressures are based on ambient temperature of 70°F (21°C) and will vary inversely with temperature changes.

Spiraflex 2700 water discharge hose is made for heavy duty applications in mining, agriculture, construction, and marine service.

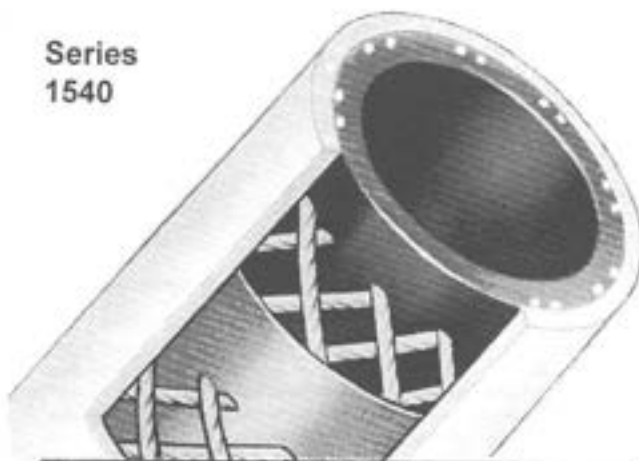
STRONG AND ABRASION RESISTANT FOR LONG LIFE.

Spiraflex 2700 hose has an extra thick cover to withstand wear from dragging and rough use. Its extra thick tube lasts through hundreds of hours of tough discharge service. Reinforced with spiral plies plus a longitudinal ply of synthetic fiber, it exhibits outstanding strength and flexibility. The cover is compounded to resist ozone, weathering and cracking. It withstands temperatures as low as -10°F and as high as 150°F (-23° to 65°C). Safety Factor—3:1 burst.



Goodyear Spectra Washdown Hose

Series
1540



SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg/m.
1/2 x 9/16	12.7 x 23.0	300	2.1	.29	.43
1/2 x 1.180	19.1 x 30.0	300	2.1	.43	.64
1 x 1.500	25.4 x 38.1	275	1.9	.63	.94

GOODYEAR

Spectra Washdown hose is a high quality, economical construction for hot water up to 200°F (93°C) cleanup service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries, and creameries. All demand a long length hose with supple flexibility.

LONG LENGTHS FOR REDUCED COUPLING COSTS. Spectra Washdown hose is made in long continuous lengths to keep coupling costs and problems to a minimum.

RETAINS SANITARY APPEARANCE. Spectra Washdown hose has a sanitary white Chemivac cover. It won't discolor when exposed to meat, food, dairy by-products and fluids.

LONG LASTING AND EASY TO HANDLE. The Chemivac cover on Spectra Washdown hose is highly resistant to abrasion and animal fats, vegetable and fish oils, lactic acid, alkalies, caustics, and petroleum oil. The Chemivac compound also results in a smooth cover that does not wrestle the operator. Instead, it slides easily over concrete and other types of flooring.

CONSTRUCTION:

Tube: Chemigum synthetic rubber (High ORS)

RMA - Class A (Non-FDA)

Reinforcement: Synthetic cord

Cover: White Chemivac synthetic rubber

high oil resistant - RMA - Class A (Non-FDA)

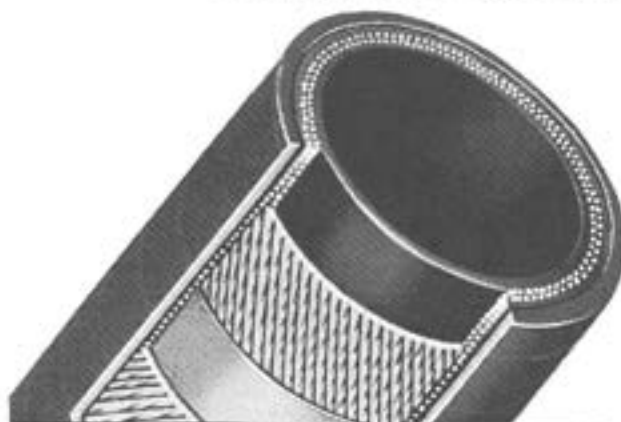
(Smooth Finish)

LENGTHS: Long lengths on reels

FITTINGS: Interlocking clamp type, short and long shank

Goodyear Plicord Washdown Hose

Series 1541



SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg/m.
1/2 x 1 1/8	19.1 x 29.9	150	1.0	.36	.52
1 x 1 3/8	25.4 x 36.2	150	1.0	.45	.65
1 1/2 x 1 7/8	31.8 x 42.8	150	1.0	.55	.80
1 3/4 x 1 7/8	38.1 x 50.0	150	1.0	.71	1.09

Plicord Washdown hose is a high quality water discharge construction designed for the environments typically found in paper mills and other industrial operations. It offers both flexibility and excellent resistance to abrasive water. Capable of handling temperatures of -25° to 200°F.

FLEXIBILITY FOR TOP PRODUCTION. Plicord Washdown hose is highly flexible and easy to handle to help get at those hard to reach places. An integral tapered rubber nozzle is available to minimize any chance of damage to equipment.

SUPERIOR WEAR RESISTANCE. A Plioflex synthetic rubber cover resists weathering, moisture, oxidation, severe abrasion, cutting and gouging. That means long life, and long life means long term economy.

Tube: Black Plioflex synthetic rubber (Non-FDA)

Reinforcement: Synthetic fabric

Cover: Black Plioflex synthetic rubber (Wrapped Finish)

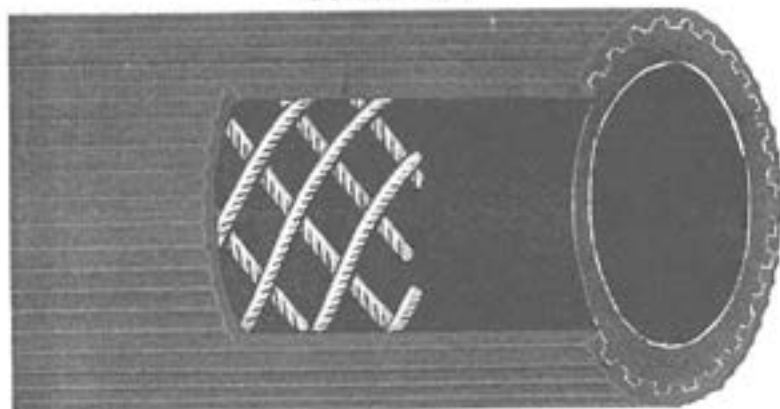
(Non-FDA). Also available in White cover

LENGTHS: Stocked in 50 ft. lengths with integral tapered rubber nozzle on one end

FITTINGS: Interlocking clamp type, short and long shank (integral tapered rubber nozzle one end)

Goodyear Pliovic 1800 High Pressure Spray Hose

Series 1126



A lightweight, economical high pressure hose for carrying air, water, and many spray solutions in agricultural applications.

CONSTRUCTION:

Tube: Pliovic blend
Reinforcement: Synthetic cord
Cover: Orange Pliovic (Limited ORS) (Corrugated Finish)

LENGTHS: 90% one continuous 300 ft. length
10% 3 piece increments of 50'

FITTINGS: Universal quick coupling, long shank, or insert type

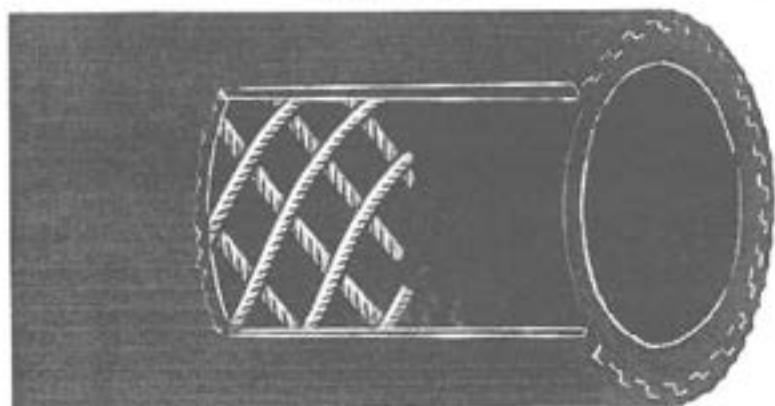
SPECIFICATIONS PLIOVIC 1800 SPRAY HOSE

I.D. x O.D.		MAX. WP		BURST PRESSURE		WEIGHT	
in.	mm	psi	MPa	psi	MPa	lb./ft.	kg./m.
3/8 x .656	9.5 x 17.5	600	4.14	1800	12.8	14	.21
1/2 x .781	12.7 x 21.3	600	4.14	1800	12.8	17	.25
3/4 x 1.063	19.1 x 26.9	600	4.14	1800	12.8	22	.33

The above working pressures and vacuum ratings are based on an ambient temperature of 70°F (21°C) and will vary inversely with temperature changes.

Goodyear Pliovic 2400 High Pressure Spray Hose

Series 1127



A lightweight, economical high pressure hose for carrying air, water, and many spray hose solutions in agricultural applications.

CONSTRUCTION:

Tube: Black Pliovic blend
Reinforcement: Synthetic cord
Cover: Dark green Pliovic (Limited ORS) (Corrugated Finish)

LENGTHS: 90% one continuous 300 ft. length
10% 3 piece max. per box: increments of 50'

FITTINGS: Universal quick coupling, long shank, or insert type

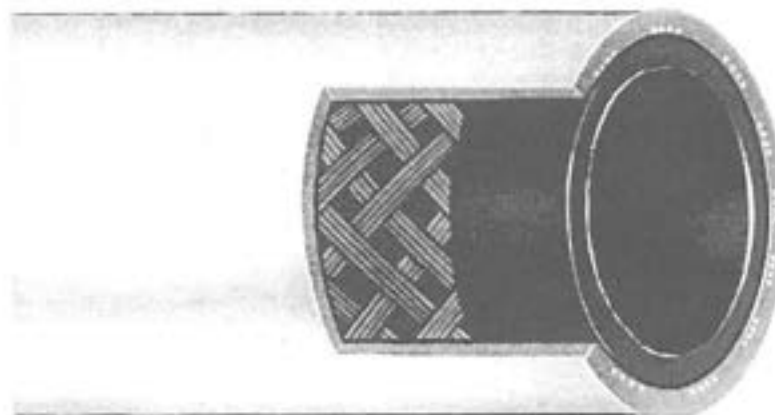
SPECIFICATIONS PLIOVIC 2400 SPRAY HOSE

I.D. x O.D.		MAX. WP		BURST PRESSURE		WEIGHT	
in.	mm	psi	MPa	psi	MPa	lb./ft.	kg./m.
3/8 x .700	9.5 x 17.8	800	5.51	2400	16.5	13	.20
1/2 x .850	12.7 x 21.6	800	5.51	2400	16.5	20	.30
3/4 x 1.12	19.1 x 28.6	800	5.51	2400	16.5	23	.34

The above working pressures and vacuum ratings are based on an ambient temperature of 70°F (21°C) and will vary inversely with temperature changes.

GOODYEAR Goodyear Mine Spray Hose

Series 1128



The cover is flame resistant and meets the test requirements of M.S.H.A. Schedule 26 - Section 18.65. It is branded with M.S.H.A. assigned No. 2G-14C.

CONSTRUCTION:

Tube: Chemigum ORS
Reinforcement: Braided wire
Cover: Yellow Chemigum (ORS) (Smooth Finish)
M.S.H.A. approved

LENGTHS: Available in continuous lengths on reels in multiples of 50 ft., minimum length 50 ft. Also available in cartons in 50 ft. and 100 ft. lengths.

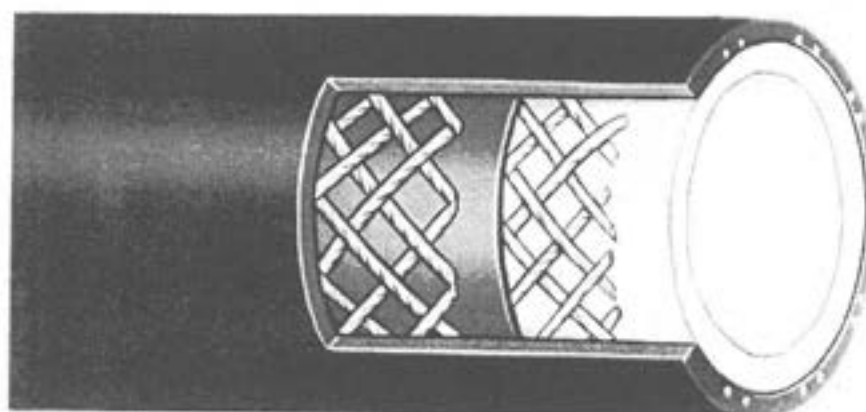
FITTINGS: Interlocking clamp type, universal quick action, long shank (2 bands), or hydraulic type

SPECIFICATIONS

I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
3/4 x 1 1/4	19.6 x 29.0	1000	6.9	.43	.64
1 x 1 3/4	26.0 x 36.7	1000	6.9	.64	.95
1 1/4 x 1 7/8	32.5 x 44.3	1000	6.9	1.02	1.52
1 1/2 x 2	38.7 x 50.3	1000	6.9	1.06	1.58
2 x 2 1/2	50.8 x 64.6	1000	6.9	1.49	2.22

Goodyear's Mine Spray hose is designed for general underground water spray service in dust control applications. It is also used on continuous mining machinery at the headface, and on other mechanical mining machines. Temperature range 0° to 200°F (-18° to 93°C).

Goodyear N-R Spray Hose



Series 1310

N-R Spray is a premium quality, all purpose hose for a wide variety of applications such as paint spraying, car washing, chemical transfer and agricultural spraying. It tolerates a temperature range of 0° to 190°F (-18° to 88°C).

WIDE RANGE OF USES. The versatility of N-R Spray hose can reduce hose inventories. It handles paints, automotive finishes, lacquers, thinners, turpentine, oil, gasoline, a large variety of solvents, chemicals and agricultural spray solutions. It will not stain or alter the color of paints or solvents.

STRONG AND WEAR RESISTANT. N-R Spray hose has a nylon tube formulated to stand up under caustics, solvents, and hydrocarbons. It safely handles working pressures of 750 PSI (5.2 MPa) with a 4:1 safety factor.

EASY TO HANDLE. Since it weighs 10-15% less than a conventional double braid all-rubber hose, N-R Spray is easier to handle for extended periods. Its all-rubber cover offers better flexibility so it's more supple than all thermoplastic constructions.

CONSTRUCTION:

Tube: Nylon (ORS)

Reinforcement: Braided high strength synthetic yarn

Cover: Black synthetic rubber (ORS)

LENGTHS: Long lengths on reels

FITTINGS: Interlocking spray fittings, insert type or standard reusable paint spray fittings

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
1/4 x 1/2	6.4 x 12.7	750	5.2	.10	.15
1/2 x 3/4	9.7 x 17.7	750	5.2	.15	.22
3/4 x 1 1/4	12.9 x 22.2	750	5.2	.22	.33
1 1/4 x 1 3/4	19.1 x 30.2	750	5.2	.35	.52
1 3/4 x 2 1/2	25.4 x 38.1	750	5.2	.49	.73

REUSABLE HOSE CONNECTIONS — Zinc Plated Brass — Low Pressure

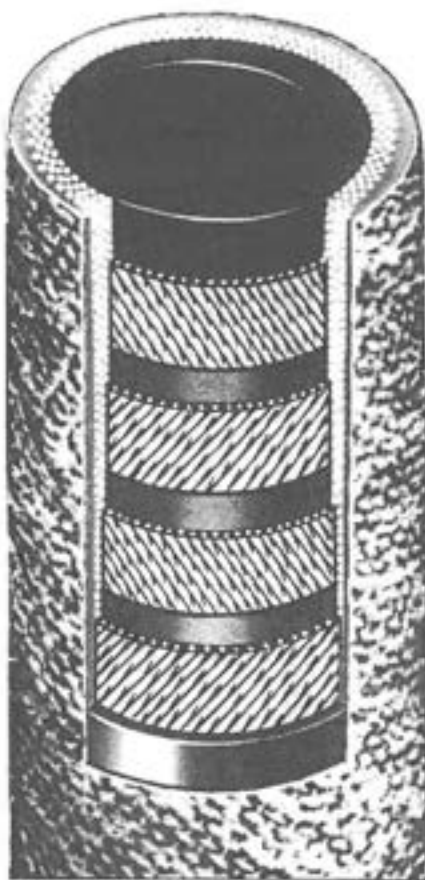
Series 2270

	BEDFORD PART NO.	REPLACES BINKS NO.	REPLACES DEVILBISS NO.	REPLACES GRACO NO.	HOSE SIZE ID x OD	THREAD	STD. PACK
	12-304	72-1303	P-HC-4523	104-415	1/4 x 1/2	1/4 NPS(F) Swivel	50
	12-306	72-1306	P-HC-4543	104-084	1/4 x 1/2	3/8 NPS(F) Swivel	50
	12-301	72-1317	P-HC-4527	103-605	5/16 x 5/8	1/4 NPS(F) Swivel	50
	12-305	72-1478	P-HC-4599	—	5/16 x 5/8	1/4 NPT(M)	50
	12-302	72-1328	P-HC-4548	104-414	3/8 x 1 1/16	3/8 NPS(F) Swivel	50
	12-303	72-1325	P-HC-4528	—	3/8 x 1 1/16	1/4 NPS(F) Swivel	50
	12-368	72-1333	P-HC-4551	101-201	1/2 x 7/8	3/8 NPS(F) Swivel	25
	BEDFORD PART NO.	REPLACES BINKS NO.	REPLACES GRACO NO.	COMPRESSION RINGS FOR CONNECTOR NO.		STD. PACK	
	12-310	72-854	104-412	12-304, 12-306		50	
	12-311	72-855	—	12-301, 12-305		50	
	12-312	72-856	104-413	12-302, 12-303		50	

**See Goodyear Horizon Hose
for air supply**



Goodyear Plicord Furnace Door Hose



GOOD YEAR

Series 1210-FDH

Plicord Furnace Door hose is especially formulated and designed to carry cooling water (250°F / 121°C, maximum) to furnace doors in steel mills and similar service operations where the outside of the hose is subjected to open flame and elevated temperatures.

CONSTRUCTION:

Tube: Black Plioflex synthetic rubber (non-conductive)

Reinforcement: Synthetic fabric plies

Cover: Fiberglass impregnated with heat and flame resistant synthetic rubber

LENGTHS: 1/2" - 1" I.D. 100 ft., 1-1/4" to 2" - 50 ft.

FITTINGS: Interlocking clamp type

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	MPa	lb./ft.	kg./m.
3/8 x 1 1/8	13.0 x 26.9	200	1.4	.38	.51
1/2 x 1 3/8	19.1 x 33.3	200	1.4	.49	.67
1 x 1 1/2	25.3 x 41.3	200	1.4	.73	1.01
1 1/2 x 2 1/2	32.0 x 53.2	200	1.4	1.24	1.71
1 3/4 x 2 3/4	38.0 x 59.2	200	1.4	1.42	1.95
2 x 2 1/2	51.2 x 72.4	200	1.4	1.80	2.43

Waterblast Ultra-High Static Pressure Hose Assemblies

CPLD 50' Male NPT Each End

Series 1313

I.D. (in.)	Max. W.P. (psi)	Coupling Thread Size & Type	Min. Bend Radius (in.)
3/8	10,000	3/8-18 NPTF	5.0
1/2	10,000	1/2-18 NPTF	7.0
3/4	10,000	3/4-14 NPTF	11.0
1	10,000	1-11 1/2-14 NPTF	14.0

**Up To 60,000 lbs. Working
Pressure Available
In Smaller Sizes**



Recommended for: Ultra-high pressure waterblast applications.

Not recommended for hydraulic applications.

Temperature range: -40°F to +210°F (-40°C to +100°C) with peaks up to 250°F (120°C).

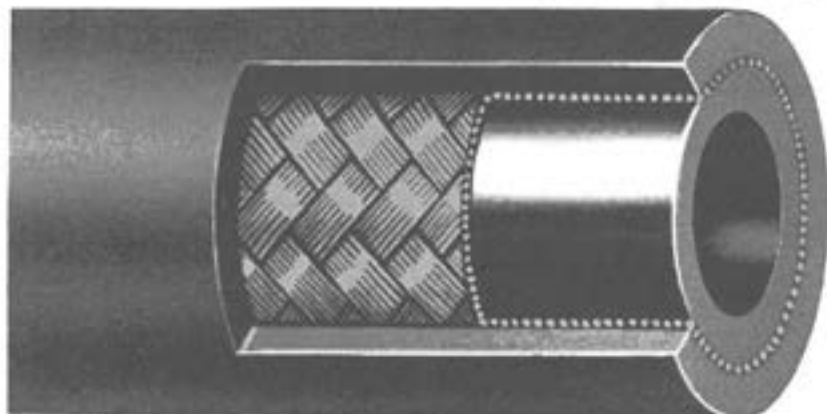
Construction:

Inner Tube: Seamless black synthetic rubber. Oil resistant.

Reinforcement: Four spirals of high-tensile strength wire.

Cover: Black synthetic rubber. Resistant to abrasion, oil, fuel and weathering.

Goodyear Whitewater Hose



Series 1316

Goodyear Whitewater hose is designed for use on either steam cleaner machines or combination steam cleaner/pressure washer machines.

HANDLES STEAM SAFELY. Whitewater handles steam up to 325°F/163°C at 350 PSI with a safety factor in excess of 10 to 1.

HANDLES HIGH PRESSURE HOT WATER. Whitewater handles hot water up to 250°F/121°C at 3000 PSI (2500 PSI on 1/2") with a 4 to 1 safety factor.

RESISTANT TO CLEANING CHEMICALS. The tube and cover compounds used in Whitewater hose are resistant to the chemicals used in the pressure washer and steam cleaner market.

CONSTRUCTION:

Tube: Black heat resistant synthetic rubber

Reinforcement: One wire braid

Cover: Red or black heat and ORS Hysunite RMA class B

Medium high oil resistance

LENGTHS: Random lengths on reels or cut lengths

FITTINGS: Recommend testing with Hydraulic 100R1 Over the Wire (skive hose) fittings crimped to the fitting manufacturer's specifications. Compatibility with different Over the Wire fittings should be tested prior to use.

SPECIFICATIONS FOR SERVICE TO 250°F (121°C)

I.D.		MAX. O.D.		BEND RADIUS		MIN. BURST PRESSURE		MAX. OPERATING PRESSURE		WEIGHT	
in.	mm	in.	mm	in.	mm	psi	MPa	psi	MPa	lb./ft.	kg./m.
1/4"	9.5	.693	17.6	2.5	95	12000	82.7	3000	20.6	.21	.31
1/2"	12.7	.820	20.8	3.5	133	10000	68.9	2500	16.9	.30	.44

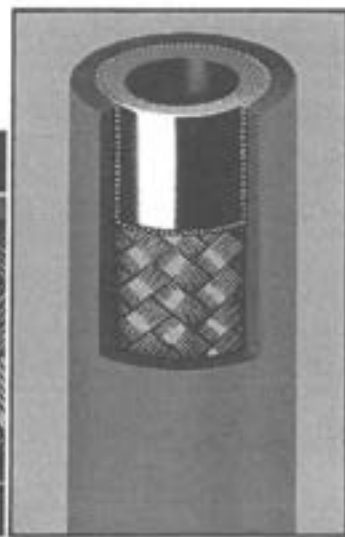
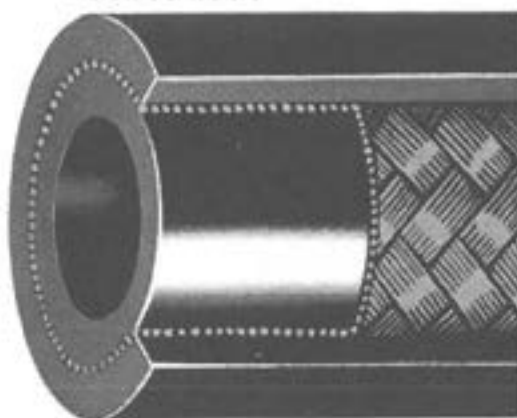
SPECIFICATIONS FOR SERVICE TO 325°F (163°C)

I.D.		MAX. O.D.		BEND RADIUS		MIN. BURST PRESSURE		MAX. OPERATING PRESSURE		WEIGHT	
in.	mm	in.	mm	in.	mm	psi	MPa	psi	MPa	lb./ft.	kg./m.
1/4"	9.5	.693	17.6	2.5	95	12000	82.7	350	6.9	.21	.31
1/2"	12.7	.820	20.8	3.5	133	10000	68.9	350	6.9	.30	.44

GOODYEAR

Goodyear Neptune 3000 Hose

Series 1314



Goodyear Neptune 3000 hose is specially designed for use on pressure washer machines with working pressures up to 3000 PSI and temperatures up to 250°F.

HEAT RESISTANT. Neptune 3000 has special tube and cover compounds to resist the effects of hot water 250°F/121°C.

FLEXIBLE AND STRONG. The special wire braid in Neptune 3000 hose handles pressures up to 3000 PSI yet is more flexible than standard wire braided hose. Neptune 3000 has a 4 to 1 safety factor.

RESISTANT TO CLEANING CHEMICALS. Neptune 3000's tube and cover are compounded to be resistant to the cleaning chemicals used in the pressure washing industry.

CONSTRUCTION:

Tube: Black Chemigum ORS, RMA Class B

Reinforcement: One wire braid

Cover: Black or blue oil resistant synthetic rubber RMA Class B

PACKAGING: Exact 500 foot reels with all lengths multiples of 50 feet or coupled assemblies.

FITTINGS: Hydraulic 100R1 Over the Wire (skive hose) type crimped to fitting manufacturer's specifications.

SPECIFICATIONS

I.D.		NOMINAL O.D.		BEND RADIUS		MIN. BURST PRESSURE		MAX. OPERATING PRESSURE		WEIGHT	
in.	mm	in.	mm	in.	mm	psi	MPa	psi	MPa	lb./ft.	kg./m.
1/4"	6.4	.532	13.5	2.0	51	12000	82.7	3000	20.6	.16	.24
1/2"	9.5	.693	17.6	2.5	95	12000	82.7	3000	20.6	.22	.33
3/4"	12.7	.820	20.8	3.5	133	12000	82.7	3000	20.6	.30	.45

Goodyear Flexsteel 250 Steam Hose

GOODYEAR
Series 1315


Flexsteel 250 Steam hose is designed for cleaning, heat control, fire prevention, purging, thawing, blow-out service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries, and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

DOUBLE WIRE BRAID REINFORCED FOR STRENGTH. Two steel wire braids are used as reinforcement to assure safe use with 250 PSI (1.7 MPa) steam pressure at a minimum 10:1 safety factor and at temperatures to 450°F (232°C). The cover is thoroughly vented to prevent blistering and separation.

HIGH HEAT, AGE, AND ABRASION RESISTANCE. Flexsteel 250 Steam hose is manufactured with Goodyear's Pyrosyn synthetic rubber compound to combine high temperature service with aging and abrasion resistance and provide extended service life in a wide variety of applications. It is reverse impression branded for easy identification.

CONTINUOUS MONITOR TESTING. A sophisticated Statistical Process Control program at every step of the manufacturing process assures both material quality and construction integrity. All steam hose is 100% proof tested prior to shipment.

CONSTRUCTION:

Tube: Pyrosyn synthetic rubber

Reinforcement: Wire braids

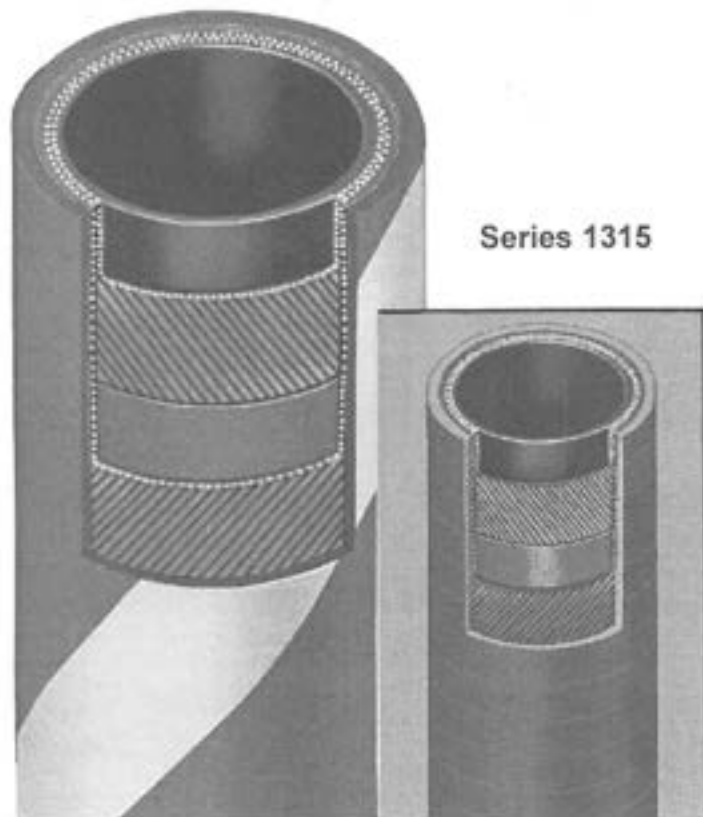
Cover: Black or Red Pyrosyn synthetic rubber (Smooth finish, pin pricked)

LENGTHS: Long lengths on reels, or 50 ft. lengths

FITTINGS: Interlocking clamp type

SPECIFICATIONS						
I.D. x O.D.		BRAID	MAX. WP		WEIGHT	
in.	mm		psi	MPa	lb./ft.	kg./m.
$\frac{1}{2}$ x $1\frac{1}{4}$	12.7 x 27.0	1 wire	250	1.7	.40	.60
$\frac{3}{4}$ x $1\frac{1}{2}$	19.1 x 32.5	2 wire	250	1.7	.49	.73
1 x $1\frac{3}{4}$	25.4 x 41.3	2 wire	250	1.7	.78	1.16

Goodyear 250 Steam Hose

Series 1315


Plicord 250 Steam hose is a rugged construction designed for all around steam service in chemical plants, refineries, shipyards, and demanding industrial service. It is recommended for cleaning, thawing, blow-out service, steam pumps, hoists, and other applications which involve high pressures at high temperatures.

STEEL WIRE REINFORCED FOR STRENGTH. The rugged steel wire reinforcement built into Plicord 250 Steam hose means safe operation with steam pressures up to 250 PSI (1.75 MPa) at temperatures up to 406°F. The cover is vented to resist blistering and separation.

HEAT AND ABRASION RESISTANT FOR LONG SERVICE LIFE. The Pyrosyn synthetic rubber used for the tube and cover is especially compounded for excellent resistance to heat, moisture and abrasive working conditions. The cover has a yellow spiral transfer brand for easy identification and proper application.

CONSTRUCTION:

Tube: Black Versigard synthetic rubber

Reinforcement: Steel wire

Cover: Black Versigard synthetic rubber (Wrapped Finish). Also available in red cover with yellow embossed brand for color coding

LENGTHS: Black—50 ft. and 200 ft. lengths

Red—50 ft. and 100 ft. lengths

Longer lengths up to 400 ft. available upon request

FITTINGS: Interlocking clamp type

SPECIFICATIONS						
I.D. x O.D.		MAX. WP		WEIGHT		
in.	mm			lb./ft.	kg./m.	
$\frac{1}{2}$ x $1\frac{1}{4}$	13.0 x 24.6	250	1.7	.33	.51	
$\frac{3}{4}$ x $1\frac{1}{2}$	19.1 x 31.9	250	1.7	.49	.73	
1 x $1\frac{3}{4}$	25.3 x 38.1	250	1.7	.61	.91	
$1\frac{1}{4}$ x $2\frac{1}{4}$	32.0 x 46.0	250	1.7	.83	1.35	
$1\frac{1}{2}$ x $2\frac{3}{4}$	38.0 x 53.2	250	1.7	1.03	1.68	
2 x $2\frac{3}{4}$	51.2 x 70.8	250	1.7	1.88	2.83	
$2\frac{1}{2}$ x 3	63.7 x 83.3	250	1.7	2.33	3.94	
3 x $3\frac{1}{4}$	76.1 x 95.7	250	1.7	2.73	4.61	



Ducting Hose

Hi-Vac® Suction Hose

Series 1271

FOR THE MOST DEMANDING JOBS SUCH AS EXCAVATION AND CONSTRUCTION, MACHINE TO MACHINE LIQUID OR MATERIAL TRANSFERS, TANK OR VAT MATERIAL TRANSFER, SANITARY-CESSPOOL TO TRUCK TRANSFERS, CRUSHPROOF AND COLLAPSE-PROOF, WITH A SMOOTH INNER BORE AND WELDED END CUFFS AT EACH END.



Standard lengths: 20', 25', 30', 50' and 60'

Inside Diameter	Outside Diameter	Weight lbs/foot	Vacuum Hg.	Max. psi
1-1/2"	2.17"	.6	29"	20
2"	2.76"	.85	29"	15
2-1/2"	3.42"	1.25	29"	10
3"	4.06"	1.60	29"	7
4"	5.62"	3.3	29"	5

PLASTIC HOSE

Series 1251



Flexadux R-2

Flexadux R-2

-Offers extreme flexibility and tight bending characteristics. Suitable for chemical fume exhausting, light dust collection and applications involving moisture. Constructed of a medium-wall PVC with spring steel wire helix reinforcement. Flame retardant to **UL 94V-0** for safety.

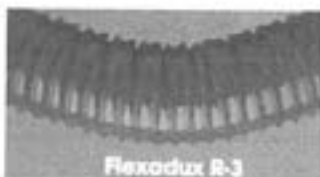
Size Range: 1 1/2" - 18" ID
Standard Length: 25'

Temp. Range: 20°F to 160°F

Color: Blue. Special colors available for quantity orders.

Clear hose also available that conforms to Title 21 FDA.

Series 1252



Flexadux R-3

Flexadux R-3

-Highly abrasion resistant and well-suited for positive and negative pressures. Type R-3 is recommended for a variety of ventilating, conveying, and vacuum applications. Smooth inner surface assures minimal pressure drop and friction loss. Flame retardant to **UL 94V-0** for safety. Constructed of a heavier-walled PVC than R-2, R-3 is reinforced with a spring steel wire helix.

Size Range: 1 1/2" - 18" ID
Standard Length: 25'

Temp. Range: 20°F to 160°F

Color: Blue. Special colors available for quantity orders.

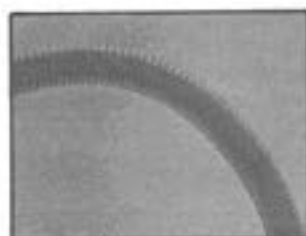
Clear hose also available that conforms to Title 21 FDA.

Ducting Hose

Hi-Tech Hose RFH series hoses solve more end-user application problems than any other hose on the market today!

Series 1240 RFH

RFH ————— **General Purpose**



Specifications

Temperature Range: -60 F to 275 F
(intermittent to 300 F)

Standard Color: Black

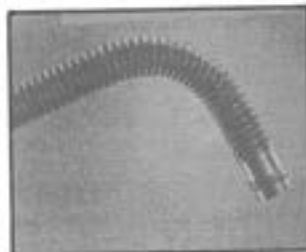
Standard Lengths: 25', 50'

Sizes: 2", 2 1/4", 2 1/2", 3", 3 1/2", 4",
4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 12",
14", 16", 18", 20", 24"

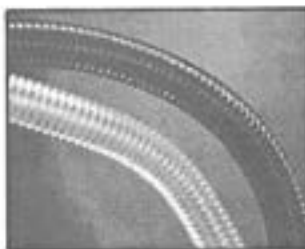


Description: Constructed of thermoplastic rubber and reinforced with a wire helix, RFH is the most versatile general-purpose hose available today. No cements, solvents, chemicals, adhesives or glues are used in the manufacturing process of RFH. RFH has superior chemical resistance and is capable of handling fumes as tough as Methyl Ethyl Ketone, sulfuric acid or toluene. RFH can be manufactured in other colors. RFH can also be supplied with a color stripe. Please consult us as to minimums and prices for other lengths and nonstandard diameters, including metric sizes from 50 mm to 500mm. RFH is also available in a self extinguishing version, RFH-SE.

**Garage
Exhaust Hose
and Accessories
Available**



UFD ————— **Tough, Severe Service Applications**



Specifications

Temperature Range: -65 F to 200 F

Standard Color: Clear or Black

Standard Lengths: 25', 50'

Sizes: 2", 2 1/2", 3", 4", 5", 6", 7", 8", 10",
12", 14", 16", 18"

**Series
1240 UFD**

Description: Constructed of thermoplastic urethane and reinforced with a wire helix, UFD offers superior abrasion resistance. UFD is the answer for those who want a lightweight, flexible hose which can handle much abrasion. UFD can be used in numerous applications such as leaf loading, chip handling, dust collection, straw blowing, etc. The superior transparency of the clear UFD allows users to locate blockages. This hose is suitable for severe service applications including vacuum and high abrasion. Heavier and lighter versions are available for specific applications. Material used in clear version is FDA acceptable.

Ducting Hose



PRODUCT NAME: CONSTRUCTION:

TD-S	Single Ply Vinyl Coated Polyester with Vinyl Scuff Strip
Sizes:	3" - 12" ID
Std. Lengths:	25 Ft.
Colors:	Black with Orange Wearstrip
Temp. Range:	-40° to 200° F.
Options:	Odd size diameter and custom length available. Custom color wearstrip available (minimum may apply)

Features:

Vinyl coated polyester fabric cover, enclosed spring steel wire helix, highly visible extruded vinyl orange scuff strip. Flame retardant to UL94V-O. Excellent flexibility



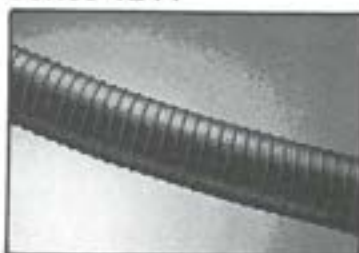
PRODUCT NAME: CONSTRUCTION:

FLEXFLYTE VF	Single Ply Vinyl Coated Fiberglass
Sizes:	2" - 14" ID
Std. Lengths:	25 Ft.
Colors:	Black
Temp. Range:	-20° to 200° F.
Applications:	Ventilation of photo reproduction machines, fine dust collection systems, transfer of low volume cool and warm air. Lightweight alternative to 1PN.

Features:

Fiberglass cover with flame retardant vinyl coating each side. Vinyl-coated spring steel wire helix permanently bonded to carcass. Flame retardant to UL94V-O. Excellent flexibility

Series 1244



PRODUCT NAME: CONSTRUCTION:

BLUE MAX 2PN (NC2)	Two Ply Polyester-Neoprene Coated
Sizes:	1" - 24" ID
Std. Lengths:	25 Ft.
Colors:	Black
Temp. Range:	-40° to 250° F.
Options:	Conductive compound avail. for static discharge. Nonmetallic helix avail. for non-conductive use.

Features:

2PN - Longer life for positive or negative pressure movement of light particles or materials. Flame retardant to UL94V-O rating. Custom ID's are available up to 48".

Series 1245

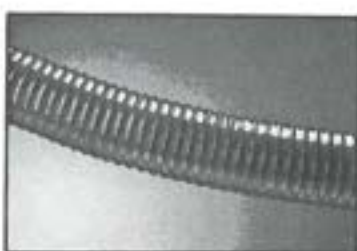


PRODUCT NAME: CONSTRUCTION:

BLUE MAX 1PN (NC1)	Single Ply Neoprene Coated Polyester
Sizes:	1 1/2" - 18" ID
Std. Lengths:	25 Ft.
Colors:	Black
Temp. Range:	-40° to 250° F.
Options:	Avail. in conductive series for static discharge, nonmetallic helical support. Non-standard ID's and custom lengths avail.

Features:

Neoprene impregnated polyester fabric with spring steel wire helix. Flame retardant to UL94V-O rating. Highly flexible. Custom ID's available up to 48".



PRODUCT NAME: CONSTRUCTION:

DURA-THANE-30	Double Ply Urethane Film
Sizes:	2" - 18" ID
Std. Lengths:	25 Ft.
Colors:	Translucent Blue, Black, and Clear
Temp. Range:	-60° to 180° F.
Applications:	Abatement recovery, laboratory waste, abrasive particles, plastic pellets, sawdust recovery

Features:

Two ply urethane film with spring steel wire helix. Good flexibility and bend characteristics.



PRODUCT NAME: CONSTRUCTION:

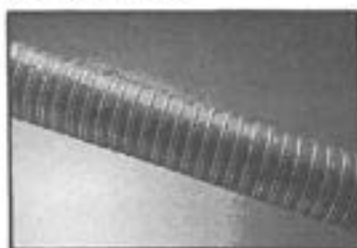
MAX-FLYTE 1PV-EPW	One Ply Polyester-Vinyl Laminate. Expanded Pitch with Vinyl Wearstrip.
Sizes:	3" - 24" ID
Std. Lengths:	25 Ft.
Colors:	Yellow, Orange Hose Black Wearstrip
Temp. Range:	-20° to 180° F. (intermit. to 225° F.)
Options:	Avail. as 1PV-EP (less wearstrip). Non-std ID's and lengths avail.

Features:

Lightweight, cost effective, highly compressible for positive pressure movement of air, dust, fumes at lower temperature ranges. Flame retardant to UL94V-O rating.

Ducting Hose

Series 1249



PRODUCT NAME: CONSTRUCTION:

FLEXFLYTE® L-9 (2FS) Two Ply Fiberglass-Silicone Coated

Sizes: 1/4" - 12" ID

Std. Lengths: 12 Ft. (1/4" ID 10' Lengths)

Colors: Red

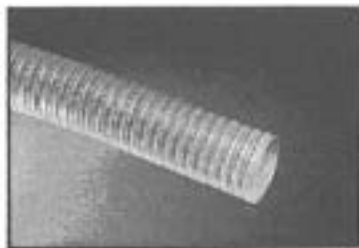
Temp. Range: -75° to 500° F (intermit. to 600° F)

Options: Also avail. as U-9 (One Ply) for lower pressure applications. Non-std lengths avail. Cuffs avail.

U-9: 1" - 12" ID

Features:

The standard duct for high temperature air flow and fume removal. The internal ply of L-9 provides a smoother bore for maximum air flow, less friction loss.



PRODUCT NAME: CONSTRUCTION:

FLEXFLYTE® TFE-S Two Ply Silicone Coated Fiberglass with Teflon® Liner

Sizes: 1/4" - 12" ID

Std. Lengths: 1/4" ID - 8' Long
1/4" ID - 10' Long
1" - 12" ID - 12' Long

Colors: Red

Temp. Range: -75° to 400° F

Options: Also avail. as TFE-N - Neoprene coated fiberglass with Teflon® liner. Temp range -75° to 300°

Features:

Teflon® liner is permanently bonded to inner ply of silicone fiberglass material. Excellent chemical resistance and flow characteristics.



PRODUCT NAME: CONSTRUCTION:

FLEXFLYTE® STS Multi-Ply Silicone Coated Fiberglass-Non-Wire Reinforced

Sizes: 1" - 12" ID

Std. Lengths: 6' Minimum Billing

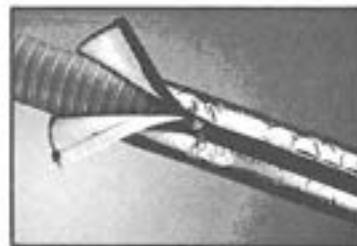
Colors: Red

Temp. Range: -65° to 500° F

Options: Various plies and lengths made to order.

Features:

Silicone Turbo Sleeves for the automotive industry, diesel turbos, race cars, as well as any equipment requiring a high temperature connector. Standard construction: .030 silicone liner with silicone/fiberglass outer cover. .070 total wall thickness.



PRODUCT NAME: CONSTRUCTION:

Thermal-Wrap: Mylar wrap with fleeced foam insulation. Jacket zipper for "wrap and zip" to any hose. Re-useable.

Sizes: 1/4" - 12" ID

Std. Lengths: 6 Ft. or 12 Ft.

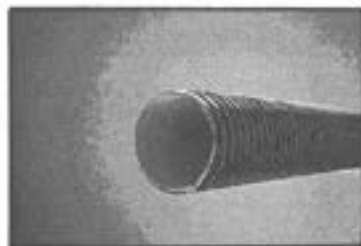
Colors: Silver

Temp. Range: 350° F

Options: Heavier Duty 2FS-I avail. for higher temperature range.

Features:

Designed for the preheating of injection mold dryers. Recommended for handling hot or cold air, dust, fumes and light powders where constant temperatures must be maintained.



PRODUCT NAME: CONSTRUCTION:

DURA-TUF 2NN Style Carcass with Linatex Liner

LD 1/16" Rubber Liner

HD 1/8" Rubber Liner

Sizes: 3" - 18" ID

Std. Lengths: 15 Ft.

Colors: Black with Red Liner

Temp. Range: -40° to 160° F

Options: Non-std IDs and lengths avail. Std. cuffs avail.

Features:

Designed for internal wear from abrasive materials, such as grain hull, gravel, particle board chips on positive pressure applications.



PRODUCT NAME: CONSTRUCTION:

FLEXFAST® COUPLINGS Neoprene Rubber and Neoprene Woven Nylon or Silicone Rubber and Silicone Woven Fiberglass

Sizes: 2 1/4" - 12 1/4" ID (2"-12" pipe sizes)

Std. Lengths: 7 In.

Colors: Black: Neoprene
Red: Silicone

Temp. Range: -20° to 225° F - Neoprene
-75° to 500° F - Silicone

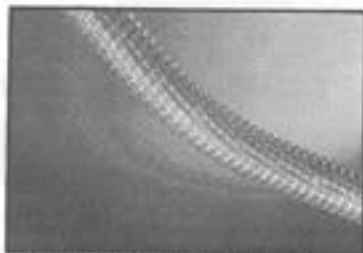
Applications: Piping systems including hot and cold water, oil, gas, petroleum, sewage sludge, slurries, brine tanks, and dry vacuum lines.

Features:

Coupling for absorbing offset and vibration in piping systems. Constructed of neoprene rubber and neoprene woven nylon. Each convolution is reinforced inside and outside by a stainless steel ring. Clamp available for couplings. MIL-E-15330 Class "B" military grade coupling available.

Ducting Hose

Series 1242



PRODUCT NAME: CONSTRUCTION:

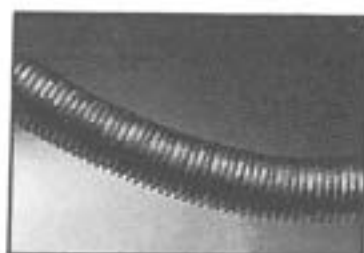
SUPER VAC-U-FLEX® PVC Custom Construction Available

Sizes: 1 1/4" - 4" ID
Std. Lengths: 50 Ft. (25' on 3" & 4")
Colors: Blue
Temp. Range: -20° to 150° F

Features:

Super Vac-U-Flex® now available from stock in Dura-Vent blue. Other colors available with minimum order quantity.

Series 1243



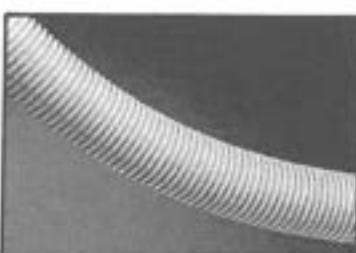
PRODUCT NAME: CONSTRUCTION:

VAC-U-FLEX® TPE Two Ply Thermoplastic Elastomer
Sizes: 1/4" - 6" ID
Std. Lengths: 25 Ft.
Colors: Black
Temp. Range: -40° to 250° F
Options: Pitch, wall thickness, and length variations available with minimum order quantity

Features:

Industrial weight, specially formulated thermoplastic elastomer (black) material; coated spring steel helix encapsulated and bonded to hose jacket. Offers flexibility, smooth bore, rubber-like characteristics. Exceptional toughness; resistant to most acids, alkalis, and solvents.

Series 1260



PRODUCT NAME: CONSTRUCTION:

VAC-U-LOK® EVA
Sizes: 1 1/4" - 3" ID
Std. Lengths: 1 1/4" and 1 1/2" = 50 Ft.
 2" - 3" = 25 Ft.
Colors: Grey
Temp. Range: -65° to 140° F
Options: Color variations available with minimum order quantity.

Features:

Flexible EVA hose; interlocked, non-wire self-supporting construction for crush resistance and durability.



ADDITIONAL COATINGS:

NEOPRENE: Most commonly used sealant to resist abrasion and weathering.

URETHANE: Tough, ozone, abrasion, oxidation and solvent resistant. Not for wet service.

BUNA N: For variance to neoprene in chemical, solvent and oil resistance.



STANDARD CUFF: 1" - 24" ID (See Hose Type)

Standard cuffs are available on all products except Garage Exhaust Hose.

For a secure fit, standard cuffs are manufactured as an integral part of hose for best pressure resistance. Order "OAL", over all length, end to end.



ENLARGED OR REDUCED CUFFS: 1" - 24" ID (See Hose Type)

When coupling hose to non-standard OD equipment, we will generally manufacture hose to match your equipment size (for optimum air flow). Consult factory. Available as a foam wrap, or sewn-on end, depending on variance.

Series 1262



DUCT CONNECTORS

SIZE: 4" - 24" ID

Available in 20 gauge stainless steel. A quick and easy way to extend any length of duct in the field. With use of bridge clamps, provides good sealing characteristics.

Series 1261



VAC-U-FLEX® CUFFS:

SIZES: 1/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", and 3"

COLOR: Grey

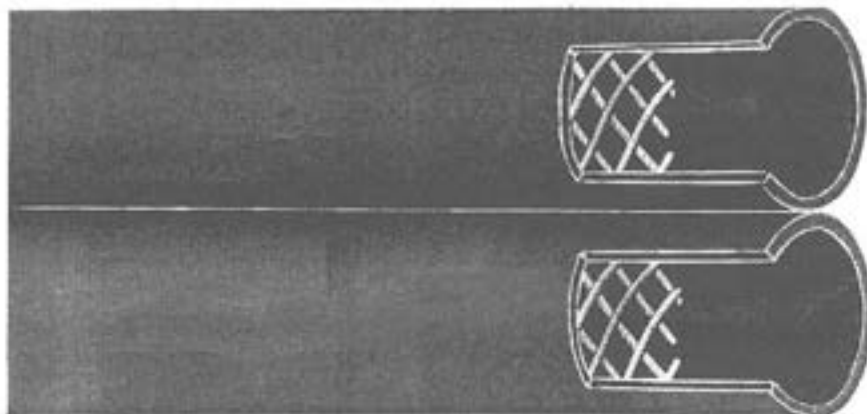
OPTIONS: Other sizes and colors available with minimum order quantity.

FEATURES: Allow easy end termination of all Vac-U-Flex® products.

A highly skilled staff is always here at your service. Their know-how will help you!



Goodyear Gemini Twin Line Welding Hose


GOODYEAR

Goodyear's Gemini™ Twin Line Welding Hose is premium quality hose produced to stringent specifications to withstand tough welding environments and provide long wear and handling ease. Available in RMA/CGA Standard RM and R grades.

GEMINI—GRADE RM—TYPE VD

CONSTRUCTION:

Cover: Smooth surface, Chemivac — flame and oil resistant.
Tube: Plioflex contamination free for clean welds; compatible with acetylene and oxygen gases.

Reinforcement: Two Spiral.

Color: Red for acetylene; green for oxygen.

FITTINGS: Recommended for use only with standard welding hose fittings.

GEMINI—GRADE R—TYPE VD

CONSTRUCTION:

Cover: Premium quality Versigard Rubber; smooth surface; inherently weather and abrasion resistant.

Tube: Versigard Rubber; contamination free; compatible with acetylene and oxygen gases.

Reinforcement: Two spiral.

Color: Red for acetylene; Green for oxygen.

FITTINGS: Recommended for use only with standard welding hose fittings.

Series
1320

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	mPa	lb./ft.	kg./m.
* $\frac{1}{8}$ x .438	4.8 x 11.1	250	1.7	.15	.23
* $\frac{1}{4}$ x .531	6.4 x 13.5	200	1.4	.21	.31
$\frac{3}{8}$ x .594	7.9 x 15.1	200	1.4	.25	.37
$\frac{1}{2}$ x .656	9.5 x 16.7	200	1.4	.29	.43

SPECIFICATIONS					
I.D. x O.D.		MAX. WP		WEIGHT	
in.	mm	psi	mPa	lb./ft.	kg./m.
* $\frac{1}{8}$ x .438	4.8 x 11.1	250	1.7	.13	.19
* $\frac{1}{4}$ x .531	6.4 x 13.5	200	1.4	.18	.27
$\frac{3}{8}$ x .594	7.9 x 15.1	200	1.4	.22	.33
$\frac{1}{2}$ x .656	9.5 x 16.7	200	1.4	.26	.39

LENGTHS: Gemini™ Twin Line Welding Hose is available on 500-600 foot reels or in cut lengths of 50 and 25 feet.

*Available in coupled lengths:

$\frac{1}{8}$ " = 25', 50', 100'

$\frac{1}{4}$ " = 12.5', 25', 50', 100'

Coupled Length Packaging: Cut, coiled, tied & shrink-wrapped 5 lengths/Box (100' = 2 lengths/Box)

Oxy-Acetylene Couplings - Brass

Series 2260

ACETYLENE COUPLING			CONNECTING SPUDS			OXY. COUPLING		
Left-Hand Thread			Left-Hand Thread	Right-Hand Thread		Right-Hand Thread		
Size	Part #		Part #	Part #		Size	Part #	
$\frac{3}{16}$ "	OA70		OA52	OA50		$\frac{3}{16}$ "	OA60	
$\frac{1}{4}$ "	OA71		OA52	OA50		$\frac{1}{4}$ "	OA61	
$\frac{5}{16}$ "	OA72		OA52	OA50		$\frac{5}{16}$ "	OA62	
$\frac{3}{8}$ "	OA73		OA52	OA50		$\frac{3}{8}$ "	OA63	

OXY-ACETYLENE FERRULES

Sold in package quantities only.



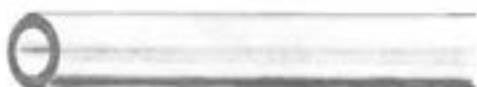
Part #	Pkg Qty	Inside Dimensions	Overall Length	Metal Gauge	Std. Ind. Part No.
BFO448	25	.448" x 0.890"	15/32"	.019"	9116
BFO474	25	.474" x 0.943"	15/32"	.019"	9979
BFO535	25	.535" x 1.071"	3/4"	.024"	9940P
BFO593	25	.593" x 1.109"	3/4"	.024"	9593
BFO700	25	.700" x 1.325"	3/4"	.025"	8337



Vinyl Tubing

Clear Vinyl Tubing (CVT) Non-toxic, FDA Approved

Series 1860



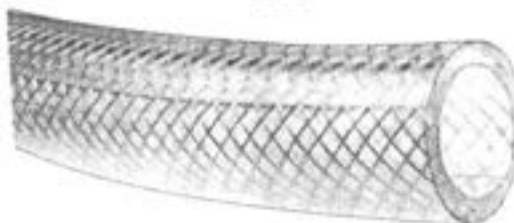
CVT vinyl tubing is a specially formulated tubing designed for applications that require compliance with *FDA* and *Sanitary Standards*.

CVT tubing resistance to chemicals gives good to excellent service with organic and inorganic acids and alkalis, and moderate resistance to oil, gasoline, and alcohol.

Nom. I.D. (In.)	Nom. O.D. (In.)	Max. W.P. (psi)
3/16	5/16	40
1/4	3/8	35
1/4	1/2	70
5/16	7/16	40
3/8	1/2	25
3/8	9/16	50
1/2	5/8	35
1/2	3/4	35
5/8	7/8	40
3/4	1	35
1	1-1/4	25
1-1/4	1-1/2	25
1-1/2	1-3/4	25
2	2-1/4	25

Clear Braided Tubing Non-toxic, FDA Approved, Resistance to Abrasion

Series 1870



Recommended for: Tubing is non-toxic, it can be used for food handling and other general industrial service applications such as pressurized air and water lines. It's ideal where resistance to abrasion is required.

Nom. I.D. (In.)	Nom. O.D. (In.)	Max. W.P. (psi)
1/8	5/16	250
3/16	3/8	250
1/4	7/16	250
5/16	21/40	250
3/8	19/32	250
1/2	3/4	200
5/8	7/8	200
1	1-5/16	125
1-1/4	1-61/63	100
1-1/2	2	100
2	2-1/4	75

Steel Wire Reinforced PVC Suction Hose

A non-toxic, clear, heavy duty PVC suction hose, with wire reinforcement for crush resistance and vacuum service.

Series 1875



Available in 3/8 through 3 inches



NYCOIL Tubing

Tubing

Part Number 100' Slt-Pac	Part Number 500' Reel	Part Number 1000' Reel	Tube O.D. Inches	Tube I.D. Inches	Wall Thickness Inches	Minimum Bend Radius (Inches)	Maximum Pressure (PSI @ 75°F)		Available in Colors
							Working	Burst	

NYLON TUBING Series 1890

For air logic systems, air, chemical handling and lubricant lines and low pressure hydraulics. Low moisture absorption. Temperature Range: -60°F to +250°F. For Continuous Use: -40°F to +200°F. Excellent dimensional stability. Lightweight and Flexible.

61210	65210	—	1/8	.080	.023	1/4	375	1500	0,1
61220	65220	—	1/8	.093	.016	1/2	200	800	0,1
61230	65230	60230	5/32	.106	.025	5/8	250	1000	0,1,2,3,4,5,6,7
61330	65330	—	3/16	.137	.025	3/4	200	800	0,1
61440	65440	60440	1/4	.180	.035	7/8	250	1000	0,1,2,3,4
61460	65460	—	1/4	.126	.062	1/2	500	2000	0,1
61470	65470	—	1/4	.170	.040	7/8	300	1200	0,1
61550	65550	—	5/16	.232	.040	1	250	1000	0,1,2
61660	65660	—	3/8	.275	.050	1-1/4	250	1000	0,1,2,3,4
61880	68880	—	1/2	.375	.062	2-1/4	200	800	0,1,2

POLYETHYLENE TUBING Series 1895

Resistant to solvents and chemicals. Applications include air logic systems, air, water, and chemical lines. Temperature Range: -100°F. to +175°F. Natural is FDA Approved. Lightweight and More Flexible.

62440	64440	66440	1/4	.170	.040	3/4	120	500	0,1,2,3,4,5,6
62550	64550	—	5/16	.190	.062	5/8	120	500	0,1
62660	64660	66660	3/8	.250	.062	1-1/8	120	500	0,1,2,3,4,5
62880	69880	—	1/2	.375	.062	2-1/8	100	400	0,1,2,3

POLYURETHANE Series 1898

Polyether based. Is resistant to kinks, abrasion and chemicals. Applications in instrumentation, vacuum, fuel lines, robotics and where highly flexible tube is needed. Temperature Range: -40°F. to +180°F. Lightweight and Most Flexible.

63440	67440	—	1/4	.170	.040	1/2	80	320	0,1,2,3,5
63460	67460	—	1/4	.126	.062	3/4	90	360	0,1,2,3,5
63660	67660	—	3/8	.250	.062	1	80	320	0,1,2,3,5

68880 and 69880 is 250' Reel

**Colors: "0" is natural. Change last digit of part number "0" to one of the following digits for preferred color: Black (1), Red (2), Blue (3), Green (4), Yellow (5), Orange (6), Gray (7).

"MINI-COIL" TUBING



Nycoil's nylon Mini-Coil Tubing is ideal for use in instrumentation applications where tubing must stretch and recoil (like a telephone cord). Natural Color. Can be used with Poly-matic and Poly-Barb Fittings. Working pressure from vacuum to 250 PSI at 75°F. Working temperature -40°F. to 170°F. A 2-inch straight formed end completes each end of coil.

Part Number	Tube O.D. (Inches)	Wall Thickness (Inches)	Compact Coil Length (Inches)	Suggested Coil Working Length (Inches)	Nominal Outside Coil Diameter (Inches)
31030	5/32	.025	1.5	15	1-1/2
31060	5/32	.025	3	30	1-1/2
31120	5/32	.025	5.5	60	1-1/2
31250	5/32	.025	11	120	1-1/2
34120	1/4	.035	6	50	2
34250	1/4	.035	12	80	2



Part No. 40-60001 - TUBE CUTTER
Part No. 40-60004 - SPARE BLADE

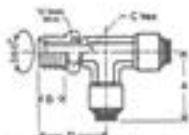




Tubing Fittings

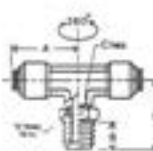
Series 2405

MALE SWIVEL RUN TEE



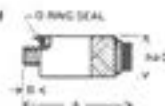
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
57122	1/8	1/8	.92	.36	7/16	.92
57112	5/32	1/8	.92	.36	7/16	.92
57142	1/4	1/8	.99	.36	15/32	.95
57144	1/4	1/4	.99	.50	15/32	1.02
57152	5/16	1/8	1.03	.36	19/32	1.05
57164	3/8	1/4	1.27	.50	11/16	1.24
57186	1/2	3/8	1.40	.56	3/4	1.38
57188	1/2	1/2	1.40	.60	7/8	1.48

MALE SWIVEL BRANCH TEE



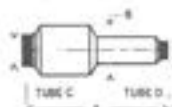
57222	1/8	1/8	.92	.36	7/16	.92
57212	5/32	1/8	.92	.36	7/16	.92
57242	1/4	1/8	.99	.36	15/32	.95
57244	1/4	1/4	.99	.50	15/32	1.02
57252	5/16	1/8	1.03	.36	19/32	1.05
57264	3/8	1/4	1.27	.50	11/16	1.24
57286	1/2	3/8	1.40	.56	3/4	1.38
57288	1/2	1/2	1.40	.60	7/8	1.48

KNURLED MALE CONNECTOR with UNF Thread



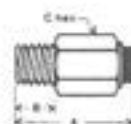
PART NUMBER	TUBE O.D.	UNF. THREAD	A	B	C
56820	1/8	10-32	.99	.15	.38
56810	5/32	10-32	.99	.15	.38
56840	1/4	10-32	1.25	.15	.50

UNION REDUCER



PART NUMBER	TUBE O.D.	TUBE O.D.	A	B	C	D
59742	1/4	1/8	1.96	1/2	1/4	1.8
59762	3/8	1/8	2.13	11/16	3/8	1.8
59741	1/4	5/32	1.96	1/2	1/4	5/32
59751	5/16	5/32	1.96	9/16	5/16	5/32
59761	3/8	5/32	2.13	11/16	3/8	5/32
59754	5/16	1/4	1.96	9/16	5/16	1/4
59764	3/8	1/4	2.13	11/16	3/8	1/4
59765	3/8	5/16	2.13	11/16	3/8	5/16
59784	1/2	1/4	2.25	7/8	1/2	1/4
59786	1/2	3/8	2.45	7/8	1/2	3/8

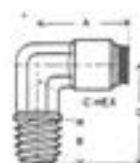
STRAIGHT MALE CONNECTOR



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
56821	1/8	1/16	1.09	.36	3/8
56822	1/8	1/8	.88	.36	7/16
56812	5/32	1/8	.94	.36	7/16
56814	5/32	1/4	.90	.50	9/16
56841	1/4	1/16	1.32	.36	1/2
56842	1/4	1/8	1.08	.36	1/2
56844	1/4	1/4	.90	.50	9/16
56846	1/4	3/8	.95	.50	11/16
56852	5/16	1/8	1.36	.36	9/16
56854	5/16	1/4	1.25	.50	9/16
56862	3/8	1/8	1.50	.35	3/4
56864	3/8	1/4	1.60	.50	3/4
56866	3/8	3/8	1.43	.50	3/4
56868	3/8	1/2	1.13	.65	7/8
56886	1/2	3/8	1.65	.50	7/8
56888	1/2	1/2	1.30	.60	7/8

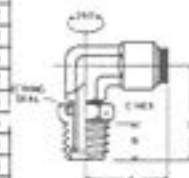
MALE ELBOW

56921	1/8	1/16	.92	.36	7/16	.78
56922	1/8	1/8	.92	.36	7/16	.78
56912	5/32	1/8	.92	.36	7/16	.78
56914	5/32	1/4	.92	.50	7/16	.87
56942	1/4	1/8	.99	.36	15/32	.78
56944	1/4	1/4	.99	.50	15/32	.87
56952	5/16	1/8	1.03	.36	19/32	.90
56954	5/16	1/4	1.03	.50	19/32	.96
56964	3/8	1/4	1.27	.50	11/16	1.00
56966	3/8	3/8	1.27	.56	11/16	1.06
56986	1/2	3/8	1.40	.56	11/16	1.20
56988	1/2	1/2	1.40	.70	7/8	1.35



360° SWIVEL ELBOW

57922	1/8	1/8	.96	.36	7/16	.92
57912	5/32	1/8	.96	.36	7/16	.92
57914	5/32	1/4	.96	.50	9/16	1.00
57942	1/4	1/8	.99	.36	7/16	.95
57944	1/4	1/4	.99	.50	9/16	1.02
57952	5/16	1/8	.99	.36	19/32	1.05
57954	5/16	1/4	.99	.50	9/16	1.05
57964	3/8	1/4	1.27	.50	9/16	1.24
57966	3/8	3/8	1.27	.50	11/16	1.26
57986	1/2	3/8	1.40	.50	11/16	1.38
57988	1/2	1/2	1.40	.60	7/8	1.48



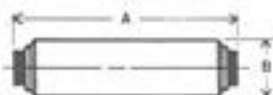
Complete Manufacturers Catalogs
with detailed specifications
are yours for the asking



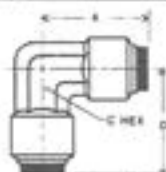
Tubing Fittings

Series 2405

STRAIGHT UNION

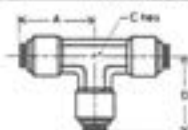


PART NUMBER	TUBE O.D.	PIPE THREAD	A	B
56222	1/8	—	1.60	3/8
56211	5/32	—	1.68	3/8
56244	1/4	—	1.79	1/2
56255	5/16	—	1.76	9/16
56266	3/8	—	2.19	1 1/16
56288	1/2	—	2.50	7/8



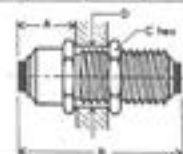
UNION ELBOW

56511	5/32	—	.92	7/16	.92
56544	1/4	—	.99	15/32	.99
56555	5/16	—	1.03	19/32	1.03
56566	3/8	—	1.27	1 1/16	1.27
56588	1/2	—	1.40	3/4	1.40



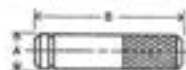
UNION TEE

56422	1/8	—	.92	7/16	.92
56411	5/32	—	.92	7/16	.92
56444	1/4	—	.99	15/32	.99
56455	5/16	—	1.03	19/32	1.03
56466	3/8	—	1.27	1 1/16	1.27
56488	1/2	—	1.40	3/4	1.40



BULKHEAD UNION

56222	1/8	—	.66	1.66	5/8	.44
56211	5/32	—	.66	1.66	5/8	.44
56244	1/4	—	.78	1.78	1 1/16	.50
56255	5/16	—	.78	1.78	7/8	.63
56266	3/8	—	.89	2.22	1	.75
56288	1/2	—	1.10	2.50	1 1/8	.875



PLUG

52620	1/8	—	1/8	1.40	
52610	5/32	—	5/32	1.55	
52640	1/4	—	1/4	1.55	
52650	5/16	—	5/16	1.55	
52660	3/8	—	3/8	1.55	
52680	1/2	—	1/2	1.90	

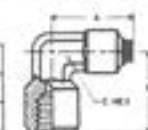
FEMALE CONNECTOR



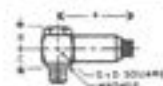
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
56622	1/8	1/8	1.350		1/2
56612	5/32	1/8	1.350		1/2
56642	1/4	1/8	1.350		1/2
56644	1/4	1/4	1.550		5/8
56664	3/8	1/4	1.750		3/4
56686	3/8	3/8	1.750		13/16

FEMALE ELBOW

57012	5/32	1/8	.925	.75
57042	1/4	1/8	.994	.82
57064	3/8	1/4	1.535	1.00



BANJO ELBOW WITH UNF THREAD



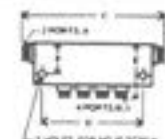
PART NUMBER	TUBE O.D.	UNF THREAD	A	B	C	D
55020	1/8	10-32	.975	.28	.24	3/8
55010	5/32	10-32	.975	.28	.24	3/8

BANJO TEE WITH UNF THREAD



55120	1/8	10-32	.975	.28	.24	3/8
55110	5/32	10-32	.975	.28	.24	3/8

MANIFOLD



PART NUMBER	PORT A	PORT B	C	D	E	F
54044	1/4	1/4	3.77	2.85	1.27	3/4
54041	1/4	5/32	3.77	2.85	1.27	3/4
54064	3/8	1/4	4.48	3.35	1.52	1



RELEASE CAP

50	50027	1/4
50	50028	5/16
50	50029	3/8



SUPPLY CENTER

60025	36 Item Assortment
60014	66 Item Assortment
60002	Tube Release Aid

NYCOIL Tubing & Accessories

Nycōil NYCOIL THERMOPLASTIC METRIC TUBING

NYLON METRIC TUBING Series 1892

Nycōil nylon tubing is a light weight, flexible tube with a low moisture absorption factor. It is resistant to a wide range of chemicals. For use in a variety of applications requiring low pressure hydraulic, pneumatic and chemical transfer. Temperature range: -40°C to +57°C (-40°F to +135°F) continuous use.

PART NUMBER 25M (32)	PART NUMBER 150M (432)	PART NUMBER 300M (864)	TUBE OD MM	TUBE ID MM	WALL THICKNESS MM	MIN BEND RADIUS MM	BURST PRESSURE @ 20°C BARS	PSI
71040	71040	71040	4	2.7	0.65	24	75	1100
71020	71020	71020	4	2	1	24	124	1800
71090	71090	71090	5	3	1	30	80	1200
71060	71060	71060	6	4	1	36	60	1200
71080	71080	71080	8	6	1	48	38	800
71110	71110	71110	10	8	1	60	42	600
71120	71120	71120	10	7.8	1.25	75	57	800
71130	71130	71130	12	10	1	75	32	500
71120	71120	71120	12	9.5	1.25	58	70	1000
71130	71130	71130	12	9	1.50	84	63	900
71140	71140	71140	12	8	2	90	68	1000

POLYETHYLENE METRIC TUBING Series 1893

Nycōil polyethylene tubing has superior stress-cracking resistance as determined by the ASTM. More economical and more flexible than nylon. Temperature range: -73°C to 79°C (-100°F to +175°F).

PART NUMBER 25M (32)	PART NUMBER 150M (432)	PART NUMBER 300M (864)	TUBE OD MM	TUBE ID MM	WALL THICKNESS MM	MIN BEND RADIUS MM	BURST PRESSURE @ 20°C BARS	PSI
72030	72030	72030	4	2.5	0.75	12	35	500
72060	72060	72060	6	4	1	36	35	500
72080	72080	72080	8	6	1	48	25	500
72110	72110	72110	10	8	1	60	25	500

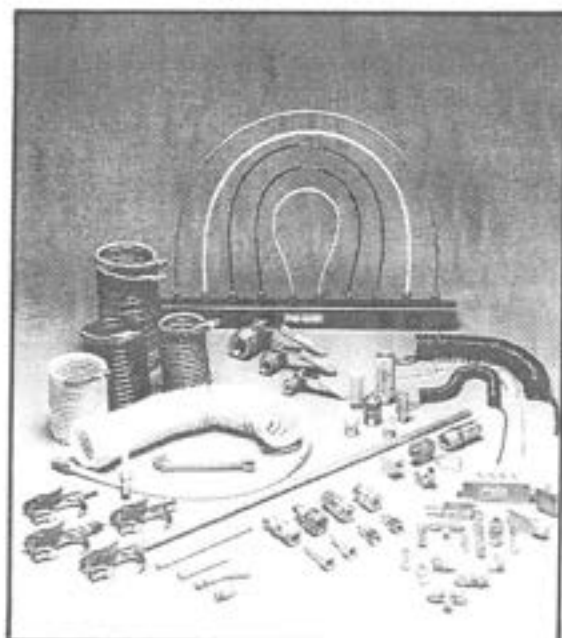
POLYURETHANE METRIC TUBING

Nycōil polyurethane tubing is often used and is the most flexible of all tubing. Resists kinks, abrasions and many chemicals. Temperature range: -40°C to 54°C (-40°F to +130°F).

PART NUMBER 25M (32)	PART NUMBER 150M (432)	PART NUMBER 300M (864)	TUBE OD MM	TUBE ID MM	WALL THICKNESS MM	MIN BEND RADIUS MM	BURST PRESSURE @ 20°C BARS	PSI
73030	73030	73030	4	2.5	0.75	12	38	400
73050	73050	73050	5	3	1	15	28	400
73060	73060	73060	6	4	1	18	28	400
73080	73080	73080	8	6	1	24	23	330
73090	73090	73090	10	7	1.5	40	23	330
73110	73110	73110	10	8	1	40	20	290
73130	73130	73130	12	9	1.5	48	20	290
73150	73150	73150	14	11	1.5	56	20	290

COLORS AVAILABLE ON REQUEST

Nycōil



Nycōil

METRIC PUSH-IN TUBE FITTINGS

Use with Nycōil Polyethylene, Nylon and Polyurethane Metric Tubing.
Pipe threads - GSPPT with pre-applied PTFE sealant.

MALE CONNECTOR

Tube O.D.	Pipe Thread	Part Number
4MM	M5	101001
4MM	1/8	101002
4MM	1/4	101003
4MM	1/2	101011
4MM	1/8	101012
4MM	1/4	101013
4MM	1/2	101017
4MM	1/4	101018
4MM	3/8	101019



UNION REDUCER

Tube O.D.	Tube O.D.	Part Number
4MM	4MM	100012
4MM	4MM	100013
4MM	4MM	100014

STRAIGHT UNION

Tube O.D.	Tube O.D.	Part Number
4MM	4MM	100010
4MM	4MM	100011
4MM	4MM	100015



360 SWIVEL ELBOW

Tube O.D.	Tube O.D.	Part Number
4MM	1/8	102002
4MM	1/4	102003
4MM	1/2	102012
4MM	1/4	102013
4MM	1/8	102017
4MM	1/4	102018
4MM	3/8	102019



UNION ELBOW

Tube O.D.	Tube O.D.	Part Number
4MM	4MM	104002
4MM	4MM	104003
4MM	4MM	104005



MALE SWIVEL RUN TEE

Tube O.D.	Tube O.D.	Part Number
4MM	1/8	106002
4MM	1/4	106012
4MM	1/2	106013
4MM	1/8	106017
4MM	1/4	106018



MALE SWIVEL BRANCH TEE

Tube O.D.	Tube O.D.	Part Number
4MM	1/8	107002
4MM	1/4	107012
4MM	1/2	107013
4MM	1/8	107017
4MM	1/4	107018



UNION TEE

Tube O.D.	Tube O.D.	Part Number
4MM	4MM	108002
4MM	4MM	108003
4MM	4MM	108005



FEMALE CONNECTOR

Tube O.D.	Tube O.D.	Part Number
4MM	1/8	109002
4MM	1/4	109003
4MM	1/2	109012
4MM	1/4	109013
4MM	1/8	109017
4MM	1/4	109018



PLUG

Tube O.D.	Tube O.D.	Part Number
4MM	4MM	120010
4MM	4MM	120011
4MM	4MM	120012
4MM	4MM	120013
4MM	4MM	120015



BANJO ELBOW

Tube O.D.	Tube O.D.	Part Number
4MM	M5	103001



BANJO TEE

Tube O.D.	Tube O.D.	Part Number
4MM	M5	103001



CARTRIDGE

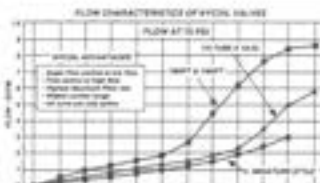
Tube O.D.	Tube O.D.	Part Number
4MM	4MM	111000
4MM	4MM	111001



Right Angle Flow Control Valves

Features of Valves

- Compact size
- Super fine adjustment at low speed and flow
- Fine adjustment at high flow
- Wide control range - 1:10 turn
- High flow capacity
- Body service 360°
- Easy visual adjustment with lock nut or increased torque to prevent tampering
- Hand-crank body
- Pre-packed threads
- Integral Polymers push to prevent fouling for easy tubing installation

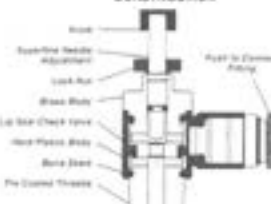


Specifications

- Operating pressure range: 1 to 150 PSI (0.07 to 10.3 bar)
- Operating temperature: 0 to 300°F (0°C to 150°C)
- High flow rates (see below)
- Use with air or other inert gas only
- Not recommended for use with acids
- Repair kit only



CONSTRUCTION



Part No.	Description	Q	Flow (L/min)	Flow (GPM)
101001	1/8" (2.5mm) x 1/8" (2.5mm)	0.08	0.08	0.01
101002	1/8" (2.5mm) x 1/4" (6.3mm)	0.08	0.08	0.01
101003	1/8" (2.5mm) x 1/2" (12.7mm)	0.08	0.08	0.01
101011	1/4" (6.3mm) x 1/8" (2.5mm)	0.08	0.08	0.01
101012	1/4" (6.3mm) x 1/4" (6.3mm)	0.08	0.08	0.01
101013	1/4" (6.3mm) x 1/2" (12.7mm)	0.08	0.08	0.01

Part No.	Description	Q	Flow (L/min)	Flow (GPM)
102002	1/8" (2.5mm) x 1/8" (2.5mm)	0.08	0.08	0.01
102003	1/8" (2.5mm) x 1/4" (6.3mm)	0.08	0.08	0.01
102012	1/4" (6.3mm) x 1/8" (2.5mm)	0.08	0.08	0.01
102013	1/4" (6.3mm) x 1/4" (6.3mm)	0.08	0.08	0.01
102017	1/4" (6.3mm) x 1/2" (12.7mm)	0.08	0.08	0.01

Part No.	Description	Q	Flow (L/min)	Flow (GPM)
103001	1/8" (2.5mm) x 1/8" (2.5mm)	0.08	0.08	0.01
103002	1/8" (2.5mm) x 1/4" (6.3mm)	0.08	0.08	0.01
103003	1/8" (2.5mm) x 1/2" (12.7mm)	0.08	0.08	0.01
103004	1/4" (6.3mm) x 1/8" (2.5mm)	0.08	0.08	0.01
103005	1/4" (6.3mm) x 1/4" (6.3mm)	0.08	0.08	0.01

Part No.	Description	Q	Flow (L/min)	Flow (GPM)
104002	1/8" (2.5mm) x 1/8" (2.5mm)	0.08	0.08	0.01
104003	1/8" (2.5mm) x 1/4" (6.3mm)	0.08	0.08	0.01
104005	1/8" (2.5mm) x 1/2" (12.7mm)	0.08	0.08	0.01

Part No.	Description	Q	Flow (L/min)	Flow (GPM)
105002	1/8" (2.5mm) x 1/8" (2.5mm)	0.08	0.08	0.01
105003	1/8" (2.5mm) x 1/4" (6.3mm)	0.08	0.08	0.01
105005	1/8" (2.5mm) x 1/2" (12.7mm)	0.08	0.08	0.01

Part No.	Description	Q	Flow (L/min)	Flow (GPM)
106002	1/8" (2.5mm) x 1/8" (2.5mm)	0.08	0.08	0.01
106003	1/8" (2.5mm) x 1/4" (6.3mm)	0.08	0.08	0.01
106005	1/8" (2.5mm) x 1/2" (12.7mm)	0.08	0.08	0.01

Nycōil



Marine Hose

Smooth-Flex Plus Type 55 A2/B2

Series 1630



Tube: Nitrile
Reinforcement: Fabric with helix wire
Cover: Neoprene - Black
Length: 10' and 50'
Ends: Plain
Temp. Range: -40°F to 200°F

Designed to meet fuel hose specifications of SAE J1527 and ISO 7840, the helical wire construction provides flexibility and collapse resistance for applications requiring a tight bend radius. This hose meets all the requirements of the USCG, NMMA, ABYC and is certified by IMCI for use in the European community. This A-2 hose is designed for fill applications where the fuel is not normally continuously in the hose. The flame resistant cover is designed for enclosed engine compartment applications.

ID (in)	OD (in)	Brst. Pres.	Bend Radius	Weight lbs./ft
1/2	25/32	500	2 1/2	0.24
5/8	29/32	450	2 1/2	0.27
3/4	1 1/16	375	2 1/2	0.29
7/8	1 5/32	350	3	0.34
1	1 9/32	340	3	0.37
1 1/8	1 13/32	340	3	0.41
1 1/4	1 17/32	325	3	0.48
1 5/16	1 5/8	320	3 1/2	0.52
1 3/8	1 11/16	300	4	0.54
1 1/2	1 13/16	300	4	0.59
1 5/8	1 15/16	290	5	0.62
1 3/4	2 1/16	290	5	0.67
1 7/8	2 3/16	250	5	0.70
2	2 5/16	250	6	0.80
2 1/8	2 7/16	240	6	0.88
2 1/4	2 9/16	240	6 1/2	0.90
2 3/8	2 11/16	235	7	0.92
2 1/2	2 13/16	210	8	1.00
2 5/8	2 15/16	200	9	1.05
2 3/4	3 1/16	200	10	1.10
2 7/8	3 3/16	180	11	1.13
3	3 5/16	170	13	1.18
3 1/8	3 7/16	160	15	1.32
3 1/4	3 5/8	160	15 1/2	1.36
3 1/2	3 13/16	150	16	1.44
4	4 5/16	125	18	1.59
4 1/2	4 13/16	115	24	1.85
5	5 5/16	100	32	2.04
6	6 5/16	90	36	2.36

Softwall Water/ Exhaust Hose

Series 1625



Tube: EPDM Black
Reinforcement: 2 plies fabric
Cover: EPDM - Black
Temp. Range: -40°F to 200°F

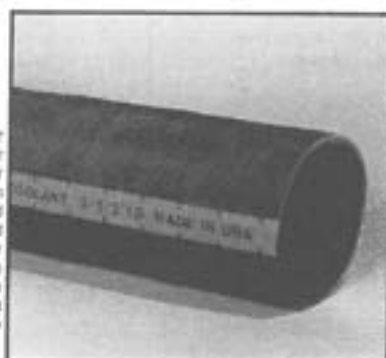
Designed for a wide range of water transfer and discharge applications as well as the tough demands of wet exhaust. The softwall (non-wire) construction is designed for straight routings. An excellent choice for bilge, toilet, scupper and water discharge applications that are straight. Meets SAE J2006R1 for marine exhaust hose.

ID (in)	OD (in)	Plies	Brst. Pres.	Weight lbs./ft
1 1/2	1 15/16	2	360	0.50
1 5/8	2 1/16	2	335	0.54
1 3/4	2 3/16	2	310	0.58
1 7/8	2 5/16	2	290	0.63
2	2 7/16	2	275	0.67
2 1/8	2 11/16	2	250	0.91
2 1/4	2 13/16	2	235	0.97
2 3/8	2 15/16	2	225	1.02
2 1/2	3 1/16	2	215	1.07
2 5/8	3 3/16	2	205	1.13
2 7/8	3 7/16	2	190	1.23
3	3 9/16	2	185	1.29
3 1/8	3 11/16	2	180	1.34
3 1/2	4 1/16	2	160	1.50
4	4 9/16	2	140	1.72
4 1/8	4 11/16	2	135	1.77
4 1/2	5 1/8	2	125	2.15
5	5 5/8	2	115	2.38
5 1/2	6 1/8	2	105	2.62
6	6 5/8	2	95	2.86
6 5/8	7 13/32	2	85	3.95
8	8 25/32	2	70	4.76
10	10 7/8	2	60	6.67

General Purpose Coolant Hose

Series 1634-3 ft. Series 1635-Longer

An extremely popular "workhorse," this 3-ply hose is designed for use in engine cooling systems as a flexible connector between the engine and radiator. It is fabric reinforced, and is intended for use as an upper radiator hose that operates under pressure only. It is available in virtually all the standard pipe sizes and because of its versatility and durability, it is being used in hundreds of industrial, automotive and marine applications. The tube is heat and coolant resistant. The cover is heat and ozone resistant. The carcass is made of a 3-ply cotton wrapped construction. Green continuous Lay Line includes I.D., inch and foot marks. Standard stocked lengths are 3 ft. (Style No. 100) and 12 ft. (Style No. 100A). Longer lengths and larger I.D.'s are available by special order.



Specifications

Tube: Blended for Heat and Coolant Resistance
Carcass: Wrapped Construction, 3-Ply Cotton
Cover: Blended for Heat, Oil and Ozone Resistance
Length: Standard is 3 ft. and 12 ft.
Temperature Range: 0° to 212° F

I.D.	O.D.	BURST PRESSURE PSI	WT./LBS./FT.
3/4"	1-1/8"	225	29
7/8"	1-1/4"	225	31
1"	1-3/8"	210	33
1-1/8"	1-1/2"	210	37
1-1/4"	1-5/8"	205	42
1-3/8"	1-3/4"	205	45
1-1/2"	1-7/8"	195	50
1-5/8"	2"	195	54
1-3/4"	2-1/8"	190	58
1-7/8"	2-1/4"	180	62
2"	2-3/8"	180	67
2-1/8"	2-1/2"	175	73
2-1/4"	2-5/8"	170	79
2-3/8"	2-3/4"	155	83
2-1/2"	2-7/8"	155	92
2-5/8"	3"	150	95
2-3/4"	3-1/8"	150	100
2-7/8"	3-1/4"	140	111
3"	3-3/8"	130	112
3-1/2"	3-7/8"	95	113
4"	4-7/8"	75	115
4-1/2"	4-7/8"	65	117
4-3/4"	5-1/8"	65	118
5"	5-3/8"	60	119
5-1/2"	5-7/8"	55	120

Fuel Fill Hose, Hard Wall

Series 1620

This flexible hose is used as a fuel fill connection or vent hose on marine fuel systems. Meets U.S. Coast Guard standards for Specification SAE J1527 Type A2 Hose. Helical wire reinforced and plied construction, fuel and alcohol resistant Buna "N" tube and fire resistant neoprene cover. Continuous red lay line "SAE J1527 U.S.C.G. Type A2 1991 BPP".



Specifications SAE J1527 USCG

I.D.	O.D.	BURST (PSI)	WT./LBS./FT.
1-3/8"	1-3/4"	90	66
1-1/2"	1-7/8"	90	72
1-5/8"	2"	90	75
1-7/8"	2-1/4"	90	80
2"	2-3/8"	90	90
2-3/8"	2-3/4"	90	102

Fuel Feed & Fuel Tank Vent Hose

Series 1605

Designed for use as a Fuel Feed (Type A1) and Fuel Vent (Type A2) on marine fuel systems. Meets U.S. Coast Guard standards for Specification SAE J1527. Fuel and alcohol resistant Buna "N" tube and fire resistant neoprene cover. Continuous label "SAE J1527 U.S.C.G. Type A 1991 BPP".



Specifications SAE J1527 USCG

I.D.	O.D.	BURST (PSI)	TYPE	STYLE NO.
1/4"	5/8"	175	A1	7206
5/16"	11/16"	175	A1	7206
3/8"	3/4"	175	A1	7206
1/2"	7/8"	175	A1	7206
5/8"	1"	175	A2	7210
5/8"	29/32"	175	B2	7211

See Aeroquip
Part # FC 234



Silicone Coolant & Heater Hose

Style 3005, Silicone Heater Hose SAE20R3 Class A

Reinforcement	1 ply braided polyester
Wall Gauge	.17" to .20"
Standard Length	50 feet
Temperature Rating	-65 to +350F



Silicone Heater Hose, Style 3006

ID	OD	SAE Burst
1/4"	5/16"	250 PSI
3/8"	1 1/16"	250 PSI
1/2"	13/16"	250 PSI
5/8"	15/16"	250 PSI
3/4"	1 1/8"	200 PSI
1"	1 1/2"	175 PSI

Series 1680

Silicone Heater Hose is commonly used on low pressure service for coolant and heater systems. It is resistant to chemicals, steam, ozone and aging associated with "underhood" applications. It is most often used in the bus, truck, and automotive markets but has numerous other applications. Chemical transfer, "permanent plumbing" on generator sets, commercial fishing and crew boat applications are just a few of the thousands of other applications where long profitable and maintenance free life is valuable.

Silicone Coolant Hose, Style 3003

ID	OD	SAE Burst
1/2"	7/8"	425 PSI
5/8"	1"	375 PSI
3/4"	1 1/8"	325 PSI
7/8"	1 1/4"	325 PSI
1"	1 3/8"	300 PSI
1 1/4"	1 5/8"	275 PSI
1 1/2"	1 7/8"	250 PSI
1 3/4"	2 1/8"	225 PSI
2"	2 3/8"	200 PSI
2 1/4"	2 5/8"	175 PSI
2 1/2"	2 7/8"	150 PSI
3"	3 3/8"	100 PSI
3 1/2"	3 7/8"	75 PSI
4"	4 3/8"	50 PSI

Style 3003, 3 Ply Specifications

SAE20R1, Class A, standard wall

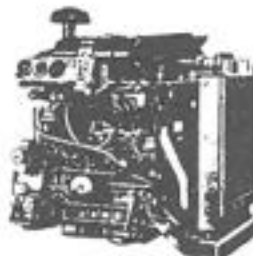
Reinforcement	3 plies of polyester
Wall Gauge	.17" to .22"
Standard Length	3' or 6'
Temperature Rating	-65 to +400F

Series 1670



Silicone Coolant Hose, Style 3004

ID	OD	SAE Burst
1"	1 1/2"	500 PSI
1 1/4"	1 3/4"	500 PSI
1 1/2"	2"	450 PSI
1 3/4"	2 1/4"	400 PSI
2"	2 1/2"	350 PSI
2 1/4"	2 3/4"	350 PSI
2 1/2"	3"	300 PSI
2 3/4"	3 1/4"	250 PSI
3"	3 1/2"	250 PSI
3 1/2"	4"	200 PSI
4"	4 1/2"	150 PSI



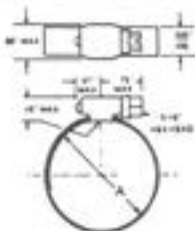
Style 3004, 4 Ply Specifications

SAE20R1, Class A, heavy wall

Reinforcement	4 plies of polyester
Wall Gauge	.23" to .28"
Standard Length	3' or 6'
Temperature Rating	-65 to +400F

EXTENDED BAND SAE TYPE

1/2" Wide Worm Gear Clamp
Designed for Silicone, E.P.D.M. and other soft hose.



The inner band is an integral extension of the 1/2" wide clamp band to give a smooth inner surface that prevents extrusion of soft hose through the slots. Band and housing are all stainless steel with 1/16" plated hex head shouldered screw. Double plated with zinc plus Dichromate Yellow.
Also available with "400" Series Stainless Screw or all "300" Series Stainless Steel band, housing and screw.

Clamp Part No.		".A" Diameter Range					
Double Plated Screws	"400" Series Stainless Screws	All "300" Series Stainless	Decimals		Millimeters		Inches
			Min.	Max.	Min.	Max.	
4808	4808 SS	4808 SS 300	50	91	13	23	5/16"
4810	4810 SS	4810 SS 300	63	106	16	33	1 1/16"
4812	4812 SS	4812 SS 300	69	125	17	32	1 1/8"
4816	4816 SS	4816 SS 300	81	150	21	38	1 1/4"
4820	4820 SS	4820 SS 300	94	175	24	45	1 1/2"
4824	4824 SS	4824 SS 300	106	200	27	51	2"
4828	4828 SS	4828 SS 300	131	225	33	57	2 1/8"
4832	4832 SS	4832 SS 300	154	250	40	64	2 1/2"
4836	4836 SS	4836 SS 300	181	275	46	70	2 3/8"
4840	4840 SS	4840 SS 300	206	300	52	76	2 3/4"
4844	4844 SS	4844 SS 300	231	325	59	83	2 3/4"
4848	4848 SS	4848 SS 300	256	350	65	89	2 3/4"
4852	4852 SS	4852 SS 300	281	375	71	95	2 3/4"
4856	4856 SS	4856 SS 300	306	400	78	102	3"

Other sizes and ranges are available on special order.



BAND-IT Strapping - Buckles - Tools



The industry standard. Fully rounded smooth edges for safe, easy installation. Use Type 201 for high strength and corrosion resistance.

Series 3200

Band-It Band

100 Ft. Per Roll (30.5M)

Type 201 Stainless Steel

Cat. No.	EDP No.	Width Inches	mm	Thickness Inches	mm	Weight Lbs	Kg
C202	13202	1/4	6.35	.020	.51	1.7	.9
C203	13203	1/2	9.53	.025	.63	3.2	1.6
C204	13204	1/2	12.70	.030	.76	5.1	2.4
C205	13205	1/2	15.88	.030	.76	6.4	3.0
C206	13206	1/2	19.05	.030	.76	7.7	3.6

Available in mill coil lengths.

Galvanized Carbon Steel Band-It Band

100 Ft. Per Roll (30.5M)

Cat. No.	EDP No.	Width Inches	mm	Thickness Inches	mm	Weight Lbs	Kg
C303	13303	1/4	6.35	.025	.63	3.3	1.6
C304	13304	1/2	12.70	.030	.76	5.1	2.4
C305	13305	1/2	15.88	.030	.76	6.4	3.0
C306	13306	1/2	19.05	.030	.76	7.7	3.6

Available in mill coil lengths.

Giant Band

100 Ft. Per Roll (30.5M)

Type 201 Stainless Steel

Cat. No.	EDP No.	Width Inches	mm	Thickness Inches	mm	Weight Lbs	Kg
G430	17430	1/4	19.05	.044	1.12	11.6	5.4
G431	17431	1	25.40	.044	1.12	13.7	6.4
G432	17432	1 1/4	31.75	.044	1.12	17.2	8.0

Available in mill coil lengths



Drop forged electroplated tools with built-in cutter. Band-It Tool tensions over 2,400 lbs. Giant Tool tensions over 6,000 lbs.

The Band-It Tool

Cat. No.	EDP No.	Description
C001	13001	The Band-It Tool Pkg Qty 1 Weight 4.4 Lbs 2.0 Kg



Band-It Band, Buckles and Tools



Ear-Lok Buckles accommodate single and double wrap clamps. Unique teeth and ears provide maximum clamping strength.

Band-It Buckles

Package Quantity — 100

Type 201 Stainless Steel

Cat. No.	EDP No.	Width Inches	mm	Weight Lbs	Kg
C252*	13252	1/4	6.35	.3	.1
C253	13253	1/2	9.53	.8	.4
C254	13254	1/2	12.70	2.1	1.0
C255	13255	1/2	15.88	2.4	1.1
C256	13256	1/2	19.05	3.7	1.7

*Free-End clip design. See page 9.

Galvanized Carbon Steel Band-It Buckles

Package Quantity — 100

Cat. No.	EDP No.	Width Inches	mm	Weight Lbs	Kg
C353	13353	1/4	6.35	.8	.4
C354	13354	1/2	12.70	2.1	1.0
C355	13355	1/2	15.88	2.4	1.1
C356	13356	1/2	19.05	3.7	1.7

Giant Buckles

Package Quantity — 25

Type 201/301 Stainless Steel

Cat. No.	EDP No.	Width Inches	mm	Weight Lbs	Kg
G440	17440	1/4	19.05	1.8	.8
G441	17441	1	25.40	2.4	1.1
G442	17442	1 1/4	31.75	3.2	1.4



Giant Tool

Cat. No.	EDP No.	Description
G402	17402	Giant Tool Pkg Qty 1 Weight 11.7 Lbs 5.3 Kg



BAND-IT Strapping & Buckles

Series 3200



For use where corrosion is the major problem — moist atmospheres or environments with chemicals, salts, acids or high temperatures.

Type 316 Band-It Band

100 Ft. Per Roll (30.5M)

Stainless Steel — Type 316

Cat. No.	EDP No.	Width Inches	mm	Thickness Inches	mm	Weight Lbs	Kg
C402	13402	1/4	6.35	.020	.51	1.7	.9
C403	13403	3/8	9.53	.025	.63	3.2	1.6
C404	13404	1/2	12.70	.030	.76	5.1	2.4
C405	13405	3/4	15.88	.030	.76	6.4	3.0
C406	13406	1	19.05	.030	.76	7.7	3.6

Available in mill coil lengths.

Type 316 Band-It Band and Buckles

Valustrap and Valuclips



Type 316 Band-It Buckles

Package Quantity — 100

Stainless Steel — Type 316

Cat. No.	EDP No.	Width Inches	mm	Weight Lbs	Kg
C452*	13452	1/4	6.35	.3	.1
C453	13453	3/8	9.53	.8	.4
C454	13454	1/2	12.70	2.1	1.0
C455	13455	3/4	15.88	2.4	1.1
C456	13456	1	19.05	3.7	1.7

*Free-End clip design.



Used for signs, cable bundling, pipe insulation and similar lightweight applications.

Valustrap

Stainless Steel .015" Thick .38 mm Thick

		100 Ft. Roll (30.5M)				200 Ft. Roll (61M)†				300 Ft. Roll (91.5M)*			
Width Inches	mm	Cat. No.	EDP No.	Weight Lbs	Kg	Cat. No.	EDP No.	Weight Lbs	Kg	Cat. No.	EDP No.	Weight Lbs	Kg
3/8	9.53	C133	13133	2.2	1.0	C127	13127	4.4	2.0	C123	13123	6.6	3.0
1/2	12.70	C134	13134	2.9	1.3	C128	13128	5.8	2.6	C124	13124	8.7	3.9
3/4	15.88	C135	13135	3.6	1.7	C129	13129	7.3	3.2	C125	13125	10.8	4.8
1	19.06	C136	13136	4.4	2.0	C130	13130	8.8	3.9	C126	13126	13.2	6.0

Available in mill coil lengths.

*Available in England and Singapore only.

†Available in Denver only.

Valustrap Plus

Stainless Steel .020" Thick .51 mm Thick

		100 Ft. Roll (30.5M)				200 Ft. Roll (61M)			
Width Inches	mm	Cat. No.	EDP No.	Weight Lbs	Kg	Cat. No.	EDP No.	Weight Lbs	Kg
1/2	12.70	C181	13181	3.0	1.7	C183	13183	7.6	3.4
3/4	19.05	C181	13181	5.7	2.6	C183	13183	11.3	5.0

Available in mill coil lengths.



Valuclicks

Stainless Steel — Type 304

Package Quantity — 100

Cat. No.	EDP No.	Width Inches	mm	Weight Lbs	Kg
C153	13153	1/4	6.35	.6	.3
C154	13154	3/8	9.53	1.1	.5
C155	13155	1/2	12.70	1.2	.5
C156	13156	3/4	15.88	2.1	.9



BAND-IT Hose Clamps & Buckles



Jr. Preformed Clamps Applicator Tools

Series 3200

Band-It Jr. Preformed Clamps

Clamp I.D. inches	Clamp I.D. mm	Type 201 Stainless Steel Cat. No.	EDP No.	Galvanized Carbon Steel Cat. No.	EDP No.	Pkg Qty	Weight lbs	kg
Band Width 1/4" (6.4mm) x Band Thickness .020" (.51mm)								
3/4	19.1	J240	20240	NA	NA	100	1.9	.9
1	25.4	J242	20242	NA	NA	100	2.1	1.0
1 1/4	34.9	J241	20241	NA	NA	100	2.5	1.1
1 1/2	38.1	J252	20252	NA	NA	100	2.6	1.2
2	50.8	J253	20253	NA	NA	100	3.2	1.5
2 1/4	60.9	J256	20256	NA	NA	100	3.8	1.7
3	76.2	J244	20244	NA	NA	100	4.2	1.9
3 1/2	88.9	J257	20257	NA	NA	100	4.6	2.1
4 1/2	114.3	J259	20259	NA	NA	100	5.7	2.6
Band Width 1/2" (9.5mm) x Band Thickness .025" (.64mm)								
1 1/4	20.6	J201	20201	J301	20301	100	3.6	1.6
1	25.4	J243	20243	J343	20343	100	3.9	1.8
1 1/4	34.9	J202	20202	J302	20302	100	4.7	2.1
2	50.8	J245	20245	J345	20345	100	5.5	2.5
3	76.2	J246	20246	J346	20346	100	7.5	3.4
3 1/4	82.5	J255	20255	NA	NA	100	8.2	3.7
Band Width 1/2" (12.7mm) x Band Thickness .030" (.76mm)								
1	25.4	J203	20203	J303	20303	100	6.5	3.0
1 1/4	31.8	J204	20204	J304	20304	100	7.2	3.3
1 1/4	44.5	J236	20236	J336	20336	100	8.7	4.0
2 1/4	69.9	J230	20230	J330	20330	100	11.3	5.1
4	101.6	J249	20249	NA	NA	100	14.9	6.8

Band-It Jr. Preformed Clamps

Clamp I.D. inches	Clamp I.D. mm	Type 201 Stainless Steel Cat. No.	EDP No.	Galvanized Carbon Steel Cat. No.	EDP No.	Pkg Qty	Weight lbs	kg
Band Width 1/2" (15.9mm) x Band Thickness .030" (.76mm)								
1 1/2	38.1	J205	20205	J305	20305	100	10.4	4.7
1 1/4	44.5	J206	20206	J306	20306	100	11.3	5.1
2	50.8	J207	20207	J307	20307	100	12.2	5.5
2 1/4	57.2	J208	20208	J308	20308	100	13.3	6.0
2 1/2	63.5	J209	20209	J309	20309	100	13.9	6.3
Band Width 1/2" (19.1mm) x Band Thickness .030" (.76mm)								
2	50.8	J227	20227	J327	20327	100	14.9	6.8
2 1/4	69.9	J210	20210	J310	20310	50	9.2	4.2
3	76.2	J211	20211	J311	20311	50	9.7	4.4
3 1/2	88.9	J212	20212	J312	20312	50	10.8	4.9
4	101.6	J213	20213	J313	20313	25	6.1	2.8
4 1/2	114.3	J214	20214	J314	20314	25	6.7	3.0
5	127.0	J215	20215	J315	20315	25	7.2	3.3
6	152.4	J216	20216	J316	20316	25	8.2	3.7
7	177.8	J218	20218	J318	20318	25	10.21	4.6
8	203.2	J219	20219	J319	20319	25	11.00	5.0

* For larger quantity packaging, contact Band-It, Denver, Colorado.

Inquire about availability of Band-It Jr. Preformed Clamps in
Type 316 Stainless Steel

Scru-Lok Buckles



For temporary clamps or for retensioning

Scru-Lok Buckles

Stainless Steel							
Cat. No.	EDP No.	Width Inches	mm	Pkg Qty	Weight Lbs	Kg	
C720	13720	1/4	6.35	50	.3	1	
C722	13722	1/4	9.53	50	.5	2	
C724	13724	1/2	12.70	25	5	2	
C725	13725	1/2	15.88	25	8	4	
C726	13726	1/2	19.05	25	9	4	



Band-It Jr. Adapter

Use with Band-It Tool for Jr. Preformed Clamps.

Cat. No.	EDP No.	Pkg Qty	Weight Lbs	Kg
J001	20001	1	1.4	.6



Rubber & Specialties, Inc.

PUNCH-LOK Hose Clamps & Tools

Series 3300

STAINLESS STEEL



Double wrapped and formed to a given diameter, ready for application.

Catalog Number	Clamp Inside Diameter	Band Width	Clamps per Std. Carton	Shipping Weight, Lbs. per Carton
P-3-S	13/16"	3/4"	100	3.6
P-310-S	1"	3/4"	100	4.0
P-311-S	1 1/4"	3/4"	100	5.0
P-316-S	2"	3/4"	100	5.2
P-4-S	1"	3/4"	100	6.1
P-5-S	1 1/4"	3/4"	100	7.5
P-6-S	1 1/2"	3/4"	100	8.1
P-7-S	1 3/4"	3/4"	100	8.6
P-8-S	2"	3/4"	100	9.6
P-9-S	2 1/4"	3/4"	100	10.0
P-10-S	2 1/2"	3/4"	50	5.6
P-11-S	2 3/4"	3/4"	50	5.8
P-12-S	3"	3/4"	50	6.2
P-14-S	3 1/2"	3/4"	50	6.5
P-16-S	4"	3/4"	25	4.0
P-18-S	4 1/2"	3/4"	25	4.6
P-20-S	5"	3/4"	25	4.8
P-24-S	6"	3/4"	25	5.1
P-28-S	7"	3/4"	50	12.0
P-32-S	8"	3/4"	50	12.5



Double-wrapped, triple locked Punch-Lok clamps hold things tightly, securely, permanently!

HIGH-CARBON ELECTRO-GALVANIZED STEEL

Catalog Number	Clamp Inside Diameter	Band Width	Clamps per Std. Carton	Shipping Weight, Lbs. per Carton
P-3	13/16"	3/4"	100	3.5
P-310	1"	3/4"	100	3.8
P-311	1 1/4"	3/4"	100	4.8
P-316	2"	3/4"	100	5.0
P-4	1"	3/4"	100	6.8
P-5	1 1/4"	3/4"	100	9.1
P-6	1 1/2"	3/4"	100	10.6
P-7	1 3/4"	3/4"	100	11.2
P-8	2"	3/4"	100	11.4
P-9	2 1/4"	3/4"	100	11.8
P-10	2 1/2"	3/4"	50	6.1
P-11	2 3/4"	3/4"	50	6.6
P-12	3"	3/4"	50	8.0
P-14	3 1/2"	3/4"	50	8.4
P-16	4"	3/4"	25	5.2
P-18	4 1/2"	3/4"	25	5.8
P-20	5"	3/4"	25	6.2
P-24	6"	3/4"	25	6.8
P-28	7"	3/4"	50	13.8
P-32	8"	3/4"	50	14.4

P-1" Locking Tool

The original. Made like no other tool! Designed for fast, economical application of punch-type clamps. The portable P-1 weighs only 2 1/2 pounds. Drop forged and double plated tempered steel construction.



Catalog Number	Description	Shipping Wt., Lbs.
P-1	Locking Tool for Punch Clamps	3

P-38" Clamp-Master® Tool Set

The original, handy, low cost tool set for applying punch-type clamps. Weighs less than one pound. Excellent for confined working areas and for on-job repair and replacement work. Fits 3/4" and 5/8" wide clamps. Double plated.



Catalog Number	Description	Shipping Wt., Lbs.
P-38	Clamp-Master Tool Set for 3/4" and 5/8" Punch Clamps	1

We carry a complete line of hoses, hose clamps and tools. Call us for more information

Worm Drive Hose Clamps

MICRO Clamps

Series 3000-350



Size	Min. Diameter		Max. Diameter	
	Inch	MM	Inch	MM
004	7/32	5.6	5/8	15.9
005	7/16	11.1	11/16	17.5
006	5/16	7.9	7/8	22.2
008	7/16	11.1	1	25.4
010	1/2	12.7	1-3/16	27.0
012	9/16	14.3	1-1/4	31.8

Size	Min. Diameter		Max. Diameter	
	Inch	MM	Inch	MM
016	11/16	17.5	1-1/2	38.1
020	7/8	22.2	1-3/4	44.5
024	1-5/16	33.3	2	50.8
028	1-9/16	39.7	2-1/4	57.2
032	1-13/16	46.0	2-1/2	63.5
036	2-1/16	52.4	2-3/4	69.9

NOTE: Other sizes available upon request.

Series 3000

Series	Band 5/16" (8mm)	Housing	Screw 1/4" (6.4mm)
300	301 Stainless Steel	Carbon Steel	Hex Head Carbon Steel
325	301 Stainless Steel	301 Stainless Steel	Hex Head Carbon Steel
345	301 Stainless Steel	301 Stainless Steel	Hex Head 301 Stainless Steel
350	301 Stainless Steel	301 Stainless Steel	Hex Head 410 Stainless Steel

Other combinations and configurations available upon request.

1/2" Band Width Clamps Series 3000-68



Size	Min. Diameter		Max. Diameter	
	Inch	MM	Inch	MM
006	3/8	9.5	7/8	22.2
008	7/16	11.1	1	25.4
010	9/16	14.3	1-1/16	27.0
012	9/16	14.3	1-1/4	31.7
016	11/16	17.5	1-1/2	38.1
020	3/4	19.0	1-3/4	44.4
024	1-1/16	27.0	2	50.8
028	1-5/16	33.3	2-1/4	57.1
032	1-9/16	39.7	2-1/2	63.5
036	1-13/16	46.0	2-3/4	69.8
040	2-1/16	52.4	3	76.2
044	2-5/16	58.7	3-1/4	82.5
048	2-9/16	65.1	3-1/2	88.9
052	2-13/16	71.4	3-3/4	95.2
056	3-1/16	77.8	4	101.6
060	3-5/16	84.1	4-1/4	107.9
064	2-1/2	63.5	4-1/2	114.3
072	3	76.2	5	127.0

Size	Min. Diameter		Max. Diameter	
	Inch	MM	Inch	MM
080	3-1/2	88.9	5-1/2	139.7
088	4	101.6	6	152.4
096	4-1/2	114.3	6-1/2	165.1
104	5	127.0	7	177.8
116	5-3/4	146.1	7-3/4	196.9
128	6-1/2	165.1	8-1/2	215.9
152	2	50.8	10	254.0
176	9-1/4	235.0	11-1/4	285.7
188	2-1/16	52.4	12-1/4	313.2
200	11	279.4	13	330.2
212	11-3/4	298.4	13-3/4	349.2
224	12-1/2	317.5	14-1/2	368.2
248	1-3/4	44.4	16	406.4
270	15-3/8	390.5	17-3/8	441.3
312	18	457.2	20	508.0
332	19-1/8	485.8	21-1/4	539.8
390	22-7/8	581.0	24-7/8	631.8

NOTE: Other sizes available upon request. Sizes greater than 104 shipped flat (unengaged) in bulk only.

Worm Drive Hose Clamps

Special Application Clamps Series 3000-615

Shielded Clamp



Features & Benefits:

- Designed for soft silicone hose where a flat inner band surface prevents extrusion of the hose through notches in the band.
- One piece stainless steel housing design.
- Designed with stainless steel shield.
- Utilizes stainless steel 1/2" (13mm) wide band.
- Available with 5/16" (7.9mm) hex head screw in carbon steel with clear chromate (613 series) or 305 stainless steel (615 series).

Size	Min. Diameter		Max. Diameter	
	Inch	MM	Inch	MM
006	5/8	15.9	3/4	19.1
008	5/8	15.9	13/16	20.6
010	3/4	19.1	15/16	23.8
012	3/4	19.1	1-1/8	28.6
016	13/16	20.6	1-3/8	34.9
020	1-1/8	28.6	1-5/8	41.3
024	1-3/16	30.1	1-15/16	49.2
028	1-5/16	33.3	2-1/4	57.2
032	1-9/16	39.7	2-1/2	63.5

Series	Band 1/2" (13mm)	Housing	Screw 5/16" (7.9mm)
613	201 Stainless Steel	201 Stainless Steel	Hex Head Carbon Steel
615	301 Stainless Steel	301 Stainless Steel	Hex Head 305 Stainless Steel

Size	Min. Diameter		Max. Diameter	
	Inch	MM	Inch	MM
036	1-13/16	46.0	2-3/4	69.9
040	2-1/16	52.4	3	76.2
044	2-5/16	58.7	3-1/4	82.6
048	2-9/16	65.1	3-1/2	88.9
052	2-13/16	71.4	3-3/4	95.3
056	3-1/16	77.8	4	101.6
060	3-5/16	84.1	4-1/4	108.0
064	3-9/16	90.5	4-1/2	114.3
072	4-1/16	103.2	5	127.0

NOTE: Other sizes available upon request.

Quick Release Clamp



Features & Benefits:

- Open/close design allows easy installation.
- Features 1/2" (13mm) 301 stainless steel band.
- Designed with 410 stainless steel bridge.
- Available with 5/16" (7.9mm) hexhead screw in carbon with clear chromate or 410 stainless steel.

Size	Min. Diameter		Max. Diameter	
	Inch	MM	Inch	MM
012	1/2	12.7	1-1/4	31.8
016	11/16	17.5	1-1/2	38.1
020	3/4	19.1	1-3/4	44.4
024	1-1/16	27.0	2	50.8
028	1	25.4	2-1/4	57.1
032	1-9/16	39.7	2-1/2	63.5
036	1	25.4	2-3/4	70.0
040	2-1/16	52.4	3	76.2
044	2-5/16	58.7	3-1/4	82.6
048	1-1/2	38.1	3-1/2	88.9
052	2-13/16	71.4	3-3/4	95.3
056	1	25.4	4	101.6
060	3-3/8	85.7	4-1/4	107.9
064	3-9/16	90.5	4-1/2	114.3
072	2	50.8	5	127.0
076	4-7/16	112.7	5-1/4	133.3

Size	Min. Diameter		Max. Diameter	
	Inch	MM	Inch	MM
080	4-5/8	117.5	5-1/2	139.7
084	4-15/16	125.4	5-3/4	146.1
088	2-1/16	52.4	6	152.4
096	3-1/2	88.9	6-9/16	166.7
104	1-3/4	44.4	7	177.8
108	1-3/4	44.5	7-1/8	181.0
128	1-3/4	44.4	8-9/16	217.5
152	2	50.8	10	254.0
188	2-1/16	52.4	12-5/16	312.7
216	10-3/16	258.8	14	355.6
232	13-1/8	333.4	15	381.0
248	1-3/4	44.4	16	406.4
258	1-3/4	44.4	16-5/8	422.0
280	14-1/4	361.9	18	457.2
312	14	355.6	20	508.0

NOTE: Other sizes available upon request. Sizes greater than 104 shipped flat (unengaged) in bulk only.



Hose Clamps

SINGLE BOLT CLAMPS

DOUBLE BOLT CLAMPS

Series 3500

For Hose O.D.		Part #
From	To	
7/8"	1"	2
31/32"	1 1/8"	3
1 1/16"	1 3/16"	4
1 5/32"	1 1/4"	5
1 1/4"	1 3/8"	6
1 11/32"	1 7/16"	7
1 7/16"	1 9/16"	8
1 17/32"	1 11/16"	9
1 21/32"	1 3/4"	10
1 3/4"	1 7/8"	11
1 7/8"	2 1/32"	12
2"	2 1/8"	13
2 1/8"	2 9/32"	14
2 1/4"	2 13/32"	15
2 3/8"	2 1/2"	16
2 1/2"	2 5/8"	17
2 5/8"	2 7/8"	18
2 7/8"	3 1/16"	19
3 1/16"	3 1/4"	20
3 1/4"	3 7/16"	21
3 7/16"	3 5/8"	22
3 5/8"	3 13/16"	23
3 13/16"	4 1/8"	24
4 1/8"	4 5/16"	25
4 1/4"	4 1/2"	26
4 7/16"	4 5/8"	27
4 5/8"	4 7/8"	X27
4 7/8"	5 1/4"	28

MALLEABLE IRON



Series 3500

For Hose O. D.		Part #
From	To	
1 1/8"	1 3/16"	J48
1 3/16"	1 3/8"	J49
1 7/16"	1 17/32"	JX49
1 5/8"	1 13/16"	DL14
1 3/4"	2 3/64"	DL20
2 7/64"	2 19/64"	DL24
2 5/16"	2 5/8"	DL32
2 1/2"	2 3/4"	DL275
2 3/4"	3 1/16"	DL306
3 1/4"	3 1/2"	DL350
3 1/2"	3 13/16"	400
4 1/32"	4 9/32"	463
4 1/4"	4 15/16"	525
4 1/2"	5 1/32"	550
5 1/8"	5 11/16"	600
5 15/16"	6 1/2"	675
6 1/2"	7 9/16"	769
7 11/16"	8 3/16"	818
8 1/4"	8 7/8"	875
8 15/16"	9 7/8"	988
9 15/16"	11 3/8"	1125
11 3/16"	13"	1275
13 3/16"	15"	1450
15 1/16"	17 1/2"	1700



TWO-BOLT TYPE WITH INNER GRIPPING RIDGES

A rugged, plated malleable iron two-bolt clamp with machine bolts and hex nuts. Inner surface has dual gripping ridges. Bolt lugs are reinforced to prevent bending out of alignment.

Brass Clamps available on request

Series 3002

POWER LOCK CLAMPS

Available in 2", 2 1/2", 3", 4", 5", 6", 8", 10" and 12" sizes.

The Kanaflex "Power Lock" clamps are designed to accompany Kanaflex Hose Series 100, 155 and 180.





Style TBC

Stainless Steel Band,
Carbon Steel Bolt

O.D. Range		Part #
From:	To:	
1 5/32"	1 15/32"	TBC131 *
1 3/8"	1 9/16"	TBC150
1 5/8"	1 13/16"	TBC175
1 3/4"	1 15/16"	TBC188
1 7/8"	2 1/16"	TBC200
2 1/8"	2 5/16"	TBC225
2 1/4"	2 7/16"	TBC238
2 3/8"	2 9/16"	TBC250
2 11/32"	2 5/8"	TBC256
2 13/32"	2 11/16"	TBC263
2 17/32"	2 13/16"	TBC275
2 21/32"	2 15/16"	TBC288
2 25/32"	3 1/16"	TBC300
2 29/32"	3 3/16"	TBC312
3 1/32"	3 5/16"	TBC325
3 9/32"	3 9/16"	TBC350
3 17/32"	3 13/16"	TBC375
3 25/32"	4 1/16"	TBC400
4 1/32"	4 5/16"	TBC425
4 9/32"	4 9/16"	TBC450
4 17/32"	4 13/16"	TBC475
4 25/32"	5 1/16"	TBC500
5 1/32"	5 5/16"	TBC525
5 9/32"	5 9/16"	TBC550
5 17/32"	5 13/16"	TBC575
5 25/32"	6 1/16"	TBC600
6 1/32"	6 5/16"	TBC625
6 9/32"	6 9/16"	TBC650
6 17/32"	6 13/16"	TBC675
6 25/32"	7 1/16"	TBC700
7 9/32"	7 9/16"	TBC750

* With Saddle Quick Release Latch

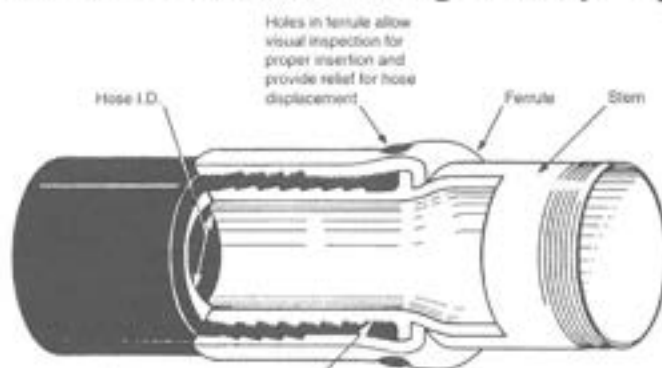
Hose Clamps

Series 3400

Style TBC-3/4" wide 300 series stainless steel band, .025" thick. Opens 1/16" above and tightens 1/8" smaller than nominal I.D. for a total of 3/16" range for clamps TBC150 through TBC250. Opens 1/16" above and tightens 7/32" smaller than nominal I.D. for clamps TBC256 through TBC750 for a total of 9/32" range. Carbon steel bolt. Torque rating 70 in/lbs.



Holedall External Swage Couplings



Holes in ferrule allow visual inspection for proper insertion and provide relief for hose displacement.

Streamlined, lightweight coupling consisting of ferrule and stem. No protrusions to snag on equipment.

Holedall Petroleum Hose Couplings

520-H SERIES COUPLINGS

FOR HOSE SIZES 3/4" - 4"

Series 2237



Ferrule
For internally expanded permanent couplings



Male
Brass, internally expanded permanent coupling.



Female

570-H SERIES COUPLINGS

FOR HOSE SIZES 5/8" - 1"

Brass, internally expanded permanent coupling. Chrome plated for pump hose.



Quick Couplers

Part A Male Adapters – Female Thread

Series 2005



Item Code	Size
5AXX	1/2"
7AXX	3/4"
10AXX	1"
12AXX	1-1/4"
15AXX	1-1/2"
20AXX	2"
25AXX	2-1/2"
30AXX	3"
40AXX	4"
50AXX	5"
60AXX	6"

BSP and BST threads available on request.

Available in 8" and 10" sizes. Please call for more information.

Part B Female Couplers – Male Thread

Series 2006



Item Code	Size
5BX	1/2"
7BX	3/4"
10BX	1"
12BX	1-1/4"
15BX	1-1/2"
20BX	2"
25BX	2-1/2"
30BX	3"
40BX	4"
50BX	5"
60BX	6"

BSP and BST threads available on request.

Aluminum couplers are standard with stainless steel handles. Brass handles available on request.

Available in 8" and 10" sizes. Please call for more information.

Part C Female Couplers – Hose Shank

Series 2007



Item Code	Size
5CX	1/2"
7CX	3/4"
10CX	1"
12CX	1-1/4"
15CX	1-1/2"
20CX	2"
25CX	2-1/2"
30CX	3"
40CX	4"
50CX	5"
60CX	6"

1 3/4" and 4" aluminum have machined shanks.

Aluminum couplers are standard with stainless steel handles. Brass handles available on request.

Available in 8" and 10" sizes. Please call for more information.

Part D Female Couplers – Female Thread

Series 2008



Item Code	Size
5DX	1/2"
7DX	3/4"
10DX	1"
12DX	1-1/4"
15DX	1-1/2"
20DX	2"
25DX	2-1/2"
30DX	3"
40DX	4"
50DX	5"
60DX	6"

BSP and BST threads available on request.

Aluminum couplers are standard with stainless steel handles. Brass handles available on request.

Available in 8" and 10" sizes. Please call for more information.

Part E Male Adapters – Hose Shank

Series 2009



Item Code	Size
5EXX	1/2"
7EXX	3/4"
10EXX	1"
12EXX	1-1/4"
15EXX	1-1/2"
20EXX	2"
25EXX	2-1/2"
30EXX	3"
40EXX	4"
50EXX	5"
60EXX	6"

1 3/4" and 4" aluminum have machined shanks.

Available in 8" and 10" sizes. Please call for more information.

Part F Male Adapters – Male Thread

Series 2010



Item Code	Size
5FXX	1/2"
7FXX	3/4"
10FXX	1"
12FXX	1-1/4"
15FXX	1-1/2"
20FXX	2"
25FXX	2-1/2"
30FXX	3"
40FXX	4"
50FXX	5"
60FXX	6"

BSP and BST threads available on request.

Available in 8" and 10" sizes. Please call for more information.

Dust Plug For Use With Couplers (Not to be used in pressure applications.)

Series 2020



Item Code	Size
5DPXX	1/2"
7DPXX	3/4"
10DPXX	1"
12DPXX	1-1/4"
15DPXX	1-1/2"
20DPXX	2"
25DPXX	2-1/2"
30DPXX	3"
40DPXX	4"
50DPXX	5"
60DPXX	6"

Available in 8" and 10" sizes. Please call for more information.

Dust Cap For Use With Adapters (Not to be used in pressure applications.)

Series 2015



Item Code	Size
5DCXX	1/2"
7DCXX	3/4"
10DCXX	1"
12DCXX	1-1/4"
15DCXX	1-1/2"
20DCXX	2"
25DCXX	2-1/2"
30DCXX	3"
40DCXX	4"
50DCXX	5"
60DCXX	6"

Aluminum couplers are standard with stainless steel handles. Brass handles available on request.

Available in 8" and 10" sizes. Please call for more information.



Quick Couplers

90° Couplers With Check Valve



Item Code	Size
15CV90XX	1-1/2"
20CV90XX	2"
25CV90XX	2-1/2"
30CV90XX	3"
40CV90XX	4"

8000 Dry-Break Couplers



Adapters

Item Code	Size
208000AXX	2"
308000AXX	3"
408000AXX	4"



Couplers

Item Code	Size
208000BXX	2"
308000BXX	3"
408000BXX	4"

Not interchangeable with standard cam and groove couplings.

Special Design, Heavy-Duty Brass Couplings



Item Code	Size
5X	1/2"
7X	3/4"
10X	1"
12X	1-1/4"
15X	1-1/2"
20X	2"
25X	2-1/2"
30X	3"
40X	4"

Not interchangeable with standard cam and groove couplings.

Couplings For Butt (BW) or Socket (SW) Weld



Adapters

Butt Weld	Socket Weld	Size
10ABWXX	10ASWXX	1"
15ABWXX	15ASWXX	1-1/2"
20ABWXX	20ASWXX	2"
25ABWXX	25ASWXX	2-1/2"
30ABWXX	30ASWXX	3"
40ABWXX	40ASWXX	4"
50ABWXX	50ASWXX	5"
60ABWXX	60ASWXX	6"

Available in 8" and 10" sizes. Please call for more information.



Couplers

Butt Weld	Socket Weld	Size
10CBWXX	10CSWXX	1"
15CBWXX	15CSWXX	1-1/2"
20CBWXX	20CSWXX	2"
25CBWXX	25CSWXX	2-1/2"
30CBWXX	30CSWXX	3"
40CBWXX	40CSWXX	4"
50CBWXX	50CSWXX	5"
60CBWXX	60CSWXX	6"

Specify tube size or pipe schedule.
Socket weld illustrated.
Available in 8" and 10" sizes. Please call for more information.

XX indicates that a metal selection must be designated when ordering.

Couplings For Dry Products



Adapters (Straight Thread)

Item Code	Size
10ASXX	1"
15ASXX	1-1/2"
20ASXX	2"
25ASXX	2-1/2"
30ASXX	3"
40ASXX	4"
50ASXX	5"
60ASXX	6"
3020ASXX	3" x 2"
4030ASXX	4" x 3"



Couplers (Straight Thread)

Item Code	Size
20DSXX	2"
30DSXX	3"
40DSXX	4"
50DSXX	5"
60DSXX	6"

ASA Flange Couplings



FLA Adapters

Item Code	Size
10FLAXX	1"
15FLAXX	1-1/2"
20FLAXX	2"
25FLAXX	2-1/2"
30FLAXX	3"
40FLAXX	4"
60FLAXX	6"
80FLAXX	8"



FLB Couplers

Item Code	Size
10FLBXX	1"
15FLBXX	1-1/2"
20FLBXX	2"
25FLBXX	2-1/2"
30FLBXX	3"
40FLBXX	4"
60FLBXX	6"
80FLBXX	8"

Standard with 150 lb. flat face flange and bolt hole patterns for FLA and FLB parts. Other flange configurations available on request.

Tank Truck Flange Couplings



LAT Adapters

Item Code	Size
20LATAL	2"
30LATAL	3"
40LATAL	4"
60LATAL	6"



LBT Couplers

Item Code	Size
20LBTAL	2"
30LBTAL	3"
40LBTAL	4"
60LBTAL	6"

Aluminum Only
Bolt hole patterns for LAT and LBT parts available on request.



Quick Couplers

90° Adapters

Part A
Male Adapter/Female Thread



Item Code	Size Adapter/Thread
15A90XX	1-1/2"
20A90XX	2"
25A90XX	2-1/2"
30A90XX	3"
40A90XX	4"

90° Hose Shank Couplers

Part C
Female Coupler/Hose Shank



Item Code	Size
12C90XX	1-1/4"
15C90XX	1-1/2"
20C90XX	2"
30C90XX	3"
3035C90XX	3" x 3-1/2"
3040C90XX	3" x 4"
40C90XX	4"

90° Couplers

Part D
Female Coupler/Female Thread



Item Code	Size
12D90XX	1-1/4"
15D90XX	1-1/2"
20D90XX	2"
25D90XX	2-1/2"
30D90XX	3"
40D90XX	4"
60D90XX	6"

90° Spool Couplers - Adapters

Part BB, BA



Item Code	Size
40BB90XX	4"
60BB90XX	6"
40BA90XX	4" x 4"
60BA90XX	6" x 6"

Couplers - Adapters

Part BA
Female Coupler/Male Adapter
Reducer/Reducer



Item Code	Size Coupler/Adapter
1520BAXX	1-1/2" x 2"
1530BAXX	1-1/2" x 3"
1540BAXX	1-1/2" x 4"
2015BAXX	2" x 1-1/2"
2030BAXX	2" x 3"
2040BAXX	2" x 4"
2540BAXX	2-1/2" x 4"
3020BAXX	3" x 2"
3025BAXX	3" x 2-1/2"
3040BAXX	3" x 4"
4020BAXX	4" x 2"
4030BAXX	4" x 3"
4060BAXX	4" x 6"
5040BAXX	5" x 4"
6040BAXX	6" x 4"

NOTE: Other size combinations available. Please consult factory.
XX indicates that a metal selection must be designated when ordering.

Reducers/Reducers

Part A
Male Adapter/Female Thread



Item Code	Size Adapter/Thread
75A0X	3/4" x 1/2"
2015A0X	2" x 1-1/2"
2030A0X	2" x 3"
2530A0X	2-1/2" x 3"
3020A0X	3" x 2"
3025A0X	3" x 2-1/2"
3040A0X	3" x 4"
4030A0X	4" x 3"

Reducers/Reducers

Part B
Female Coupler/Male Thread



Item Code	Size Coupler/Thread
2015B0X	2" x 1-1/2"
2030B0X	2" x 3"
3020B0X	3" x 2"
3025B0X	3" x 2-1/2"
4030B0X	4" x 3"

Reducers/Reducers

Part C
Female Coupler/Hose Shank



Item Code	Size Coupler/Hose Shank
1510CXX	1-1/2" x 1"
2025CXX	2" x 2-1/2"
3020CXX	3" x 2"
3025CXX	3" x 2-1/2"
3035CXX	3" x 3-1/2"
3040CXX	3" x 4"
4030CXX	4" x 3"
4035CXX	4" x 3-1/2"

Reducers/Reducers

Part D
Female Coupler/Female Thread



Item Code	Size Coupler/Thread
75D0X	3/4" x 1/2"
2015D0X	2" x 1-1/2"
2520D0X	2-1/2" x 2"
3020D0X	3" x 2"
3025D0X	3" x 2-1/2"
4030D0X	4" x 3"

Reducers/Reducers

Part E
Male Adapter/Hose Shank



Item Code	Size Adapter/Hose Shank
3020EXX	3" x 2"
3025EXX	3" x 2-1/2"
3035EXX	3" x 3-1/2"
3040EXX	3" x 4"
4030EXX	4" x 3"
4035EXX	4" x 3-1/2"

Reducers/Reducers

Part F
Male Adapter/Male Thread



Item Code	Size Adapter/Thread
157FXX	1-1/2" x 3/4"
1520FXX	1-1/2" x 2"
2015FXX	2" x 1-1/2"
3015FXX	3" x 1-1/2"
3020FXX	3" x 2"
3025FXX	3" x 2-1/2"
3040FXX	3" x 4"
4030FXX	4" x 3"
6050FXX	6" x 5"



Quick Couplers

Spool Adapters



Item Code	Size
520SAXX	1/2" x 2"
7SAXX	3/4"
10SAXX	1"
12SAXX	1-1/4"
15SAXX	1-1/2"
1520SAXX	1-1/2" x 2"
20SAXX	2"
2025SAXX	2" x 2-1/2"
2030SAXX	2" x 3"
2040SAXX	2" x 4"
25SAXX	2-1/2"
2530SAXX	2-1/2" x 3"
30SAXX	3"
3040SAXX	3" x 4"
40SAXX	4"
4050SAXX	4" x 5"
4060SAXX	4" x 6"
60SAXX	6"

101 Double-Locking Handle Bleed-Off Couplers



Item Code	Size
7DLHXX101	3/4"
10DLHXX101	1"
15DLHXX101	1-1/2"
20DLHXX101	2"
25DLHXX101	2-1/2"
30DLHXX101	3"
40DLHXX101	4"

102 Positive-Locking Handle Couplers

Female Coupler -
Female Thread



Part D

Item Code	Size
7DLHXX102	3/4"
10DLHXX102	1"
15DLHXX102	1-1/2"
20DLHXX102	2"
25DLHXX102	2-1/2"
30DLHXX102	3"
40DLHXX102	4"

Female Coupler - Hose Shank
Part C



Item Code	Size
10CLHXX102	1"
15CLHXX102	1-1/2"
20CLHXX102	2"
30CLHXX102	3"
40CLHXX102	4"

King Combination Nipples - 316 Stainless Steel



Item Code	Size
10KCNSS	1"
15KCNSS	1-1/2"
20KCNSS	2"
30KCNSS	3"
40KCNSS	4"

Combination Nipple With Locking Collar



Item Code	Size
7MBSSS	3/4"
10MBSSS	1"
15MBSSS	1-1/2"
20MBSSS	2"
30MBSSS	3"
40MBSSS	4"

XX indicates that a metal selection must be designated when ordering.

Dust Caps With Overlock Handles

Brass Handles Only



Item Code
20DCXLH
30DCXLH
40DCXLH
60DCXLH

Parts and Gaskets Handle, Ring and Pin



Item Code	Size
5HRPXX	1/2"
7HRPXX	3/4"
10HRPXX	1"
12HRPXX	1-1/4"
15HRPXX	1-1/2"
20HRPXX	2"
25HRPXX	2-1/2"
30HRPXX	3"
40HRPXX	4"
50HRPXX	5"
60HRPXX	6"
60CHXX (6" long chain with S hooks)	
120CHXX (12" long chain with S hooks)	

Also available in 8" and 10" sizes. Please call for information.

Gaskets

Buna-N gaskets are supplied unless another material is specified.



Item Code	Size
5GSKXX	1/2"
7GSKXX	3/4"
10GSKXX	1"
12GSKXX	1-1/4"
15GSKXX	1-1/2"
20GSKXX	2"
25GSKXX	2-1/2"
30GSKXX	3"
40GSKXX	4"
50GSKXX	5"
60GSKXX	6"

Also available in 8" and 10" sizes. Please call for information.
*Teflon envelope gasket.

Gasket Material*	Color-Code Marking on Gasket
Buna-N	Blue stripe on O.D.
Neoprene	Red stripe on O.D.
EPT	Double white stripe on O.D.
Gum	No marking
Thiokol	Green stripe on O.D.
Butyl	White stripe on O.D.
Viton-A	"VITON" stamped on gasket.
Silicon	Red Gasket

*Additional gasket materials are available for special applications. Inquire when ordering.



Quick Couplers

Special Military Couplings

Female Wyes with Adapters/Couplers;
Double Female Couplers with Shut-off Valve #77



Configurations and prices available upon request.

Special Parts

In addition to parts described in this catalog, many combinations of adapters, couplers, threads, shanks, flanges and elbows are available. Inquiries about special cam-locking parts are invited.

Recommended Operating Conditions

Material	Gasket	Size (Inches)	Max. Working Pressure (psi)
Aluminum	Std. Gasket 225°F *Viton Gasket 350°F Teflon Gaskets also available.	1/2-3/4, 1, 1-1/4, 1-1/2, 2	250
		2-1/2	150
		3	125
		4	100
		5, 6	75
Forged Brass	Std. Gasket 225°F **Viton Gasket 350°F ***Teflon Gasket 450°F	1/2-3/4, 1, 1-1/4, 1-1/2, 2	350
		2-1/2	250
		3	250
		4	100
Cast Brass	Std. Gasket 225°F *Viton Gasket 350°F Teflon Gaskets also available.	1/2-3/4, 1, 1-1/4, 1-1/2, 2	200
		2-1/2	150
		3	125
		4	100
		5, 6	75
Malleable Iron	Std. Gasket 225°F; *Viton Gasket 350°F Teflon Gaskets also available.	1-1/2, 2	125
		2-1/2, 3, 4	100
Stainless Steel	Std. Gasket 225°F **Viton Gasket 350°F ***Teflon Gasket 450°F	1/2-3/4, 1, 1-1/4, 1-1/2, 2	250
		3	200
		4	100
Monel	Std. Gasket 225°F **Viton Gasket 350°F ***Teflon Gasket 450°F	1/2-3/4, 1, 1-1/4, 1-1/2, 2	250
		2-1/2, 3	200
		4	150
		6	100
Polypropylene	Std. Gasket 70°F Std. Gasket 200°F	1/2, 3/4, 1-1/4, 1-1/2, 2, 3	100
		1/2, 3/4, 1-1/4, 1-1/2, 2, 3	50

†Do not use aluminum in excess of 300°F.

*For temperatures in excess of 225°F, consult factory for pressure rating.

**For temperatures in excess of 300°F, consult factory for pressure rating.

**We Carry A Complete Line of
COUPLERS and ADAPTERS.
CALL for DETAILS.**

Victaulic Dry Disconnect Hose Coupling Assembly

Series 2000

Pressure Data

Maximum Working Pressure:

- 1" (DN 25) size - 210 PSI (14.3 bar)
- 1½" (DN 40) size - 210 PSI (14.3 bar)
- 2" (DN 50) size - 150 PSI (10.3 bar)
- 3" (DN 80) size - 120 PSI (8.3 bar)

WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1½ times the figures shown.

Vacuum:

Tested to 28" (711 mm Hg) vacuum in all positions without leakage.

Miscellaneous Test Data

Bending Moments (coupled assembly):

Maximum 200 ft.-lbs. (271 n•m) at the swivel

Temperature

The Dry Link® adapter/coupler assembly has an operating temperature range of -20° to +230°F (-29° to +110°C), using Viton or EPDM seals and +20°F to +230°F (-7° to +110°C) using Teflon seals.

Materials

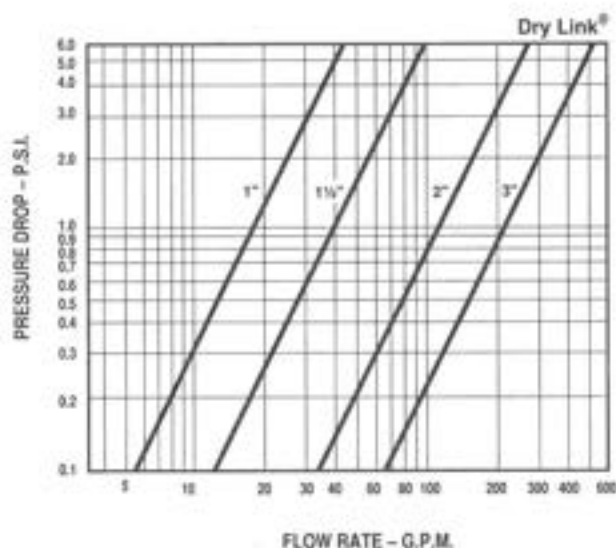
Wetted Metal Parts:

All 316 stainless steel

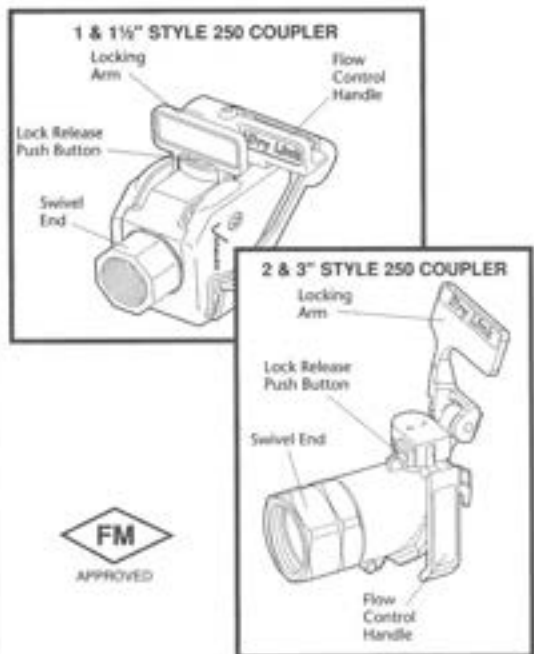
Seals:

Choice of Viton®, EPDM or Teflon®

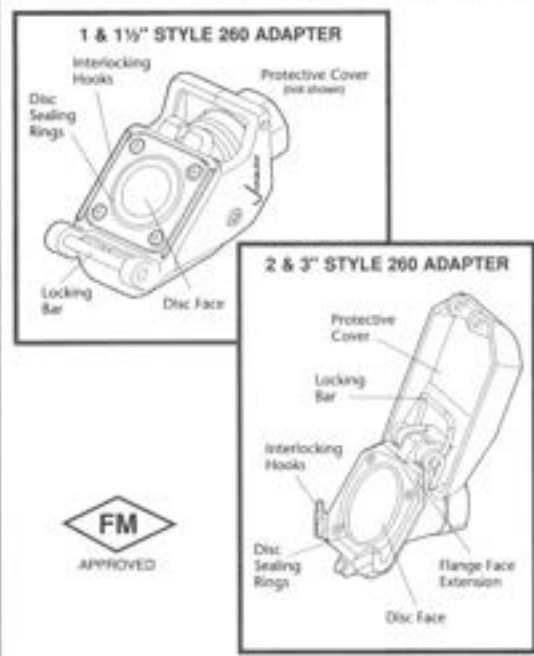
(1 & 1½" available only with Teflon seals)



Style 250 Coupler



Style 260 Adapter



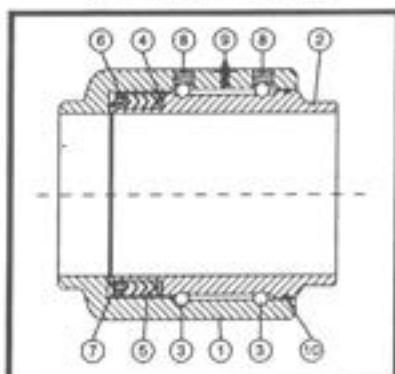


Swivel Joints

Our
computer
tells it
like
it is.



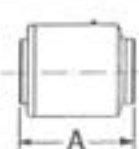
V-RING TYPE



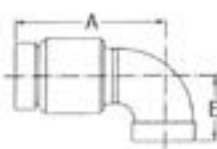
- 1) Body
- 2) Sleeve
- 3) Ball Bearing
- 4) Seal Retainer
- 5) V-Ring (Pressure) Seal
- 6) Spring Retainer
- 7) Spring
- 8) Ball Retainer
- 9) Grease Fitting
- 10) O-Ring (Dust) Seal

SINGLE PLANE

Style 20



Style 30

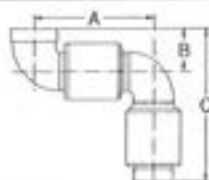


Style 40

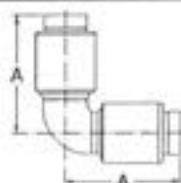


DOUBLE PLANE

Style 50



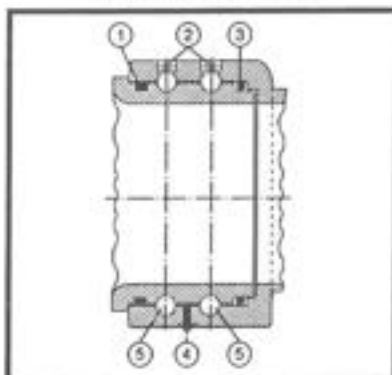
Style 60



Style 70



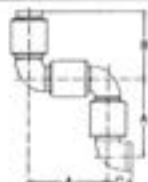
O-RING TYPE



- 1) O-Ring (Dust) Seal
- 2) Ball Retainer Screw
- 3) O-Ring (Pressure) Seal
- 4) Grease Fitting
- 5) Ball Bearing

TRIPLE PLANE

Style 80



Style 10



V-Ring Type Available
in Carbon Steel and
Stainless Steel. O-Ring
Type Available in
Aluminum, Brass,
Malleable Iron, Steel and
Stainless Steel. Sizes
from 1" - 8". Pressures
to 1,000 PSI.



Rubber & Specialties, Inc.

"AIR KING" Quick-Acting 2-Lug Air Hose Couplings, Safety Clips & Lanyards

"AIR KING" Safety Clips and Lanyards
The use of these clips is strongly recommended on all "Air King" applications.
(Bags of 25 each)

Clips only Part No. AC 1
Lanyard only Part No. ACL-8
Same size for all coupling sizes.



Series 2200

Two "Air King" Hose ends coupled with Safety Clip and Lanyard in place.



Same Size for all Coupling Sizes

WASHERS
For Air & Water
Part No. AWR-4
For Oil Services—
Part No. AWS-6
(In Bags of 50)



2-lug "Air King" Couplings when used with AWS-6-1 washers, meet MIL Spec. WWC-633C

Type	Size:	IRON		BRASS		STAINLESS STL.
		Part No.:	No. per Carton:	Part No.:	No. per Carton:	Part Number:
 HOSE ENDS	3/4"	AMH	25	ABH	25	na
	1/2"	AM-1	50	AB-1	50	RAM-1
	3/8"	AM-5	50	AB-5	50	na
	1/4"	AM-6	50	AB-6	50	RAM-6
	1"	AM-11	50	AB-11	50	RAM-11
 MALE N.P.T. ENDS	3/4"	AMB-1	25	ABB-1	25	na
	1/2"	AMB	25	ABB	25	na
	3/8"	AM-2	50	AB-2	50	RAM-2
	1/4"	AM-7	50	AB-7	50	RAM-7
	1"	AM-12	50	AB-12	50	RAM-12
 FEMALE N.P.T. ENDS	3/4"	AMC-1	25	ABC-1	25	na
	1/2"	AMC	25	ABC	25	na
	3/8"	AM-3	50	AB-3	50	RAM-3
	1/4"	AM-8	50	AB-8	50	RAM-8
	1"	AM-13	50	AB-13	50	RAM-13

BLANK ENDS
(25 per carton)



PLATED MALL. IRON
Part Number:
AM-0

BRASS

Part Number:
AB-0

STAINLESS STEEL

Part Number:
RAM-0

TRIPLE CONNECTIONS
(25 per carton)



PLATED MALL. IRON
Part Number:
AM-10

BRASS

Part Number:
AB-10

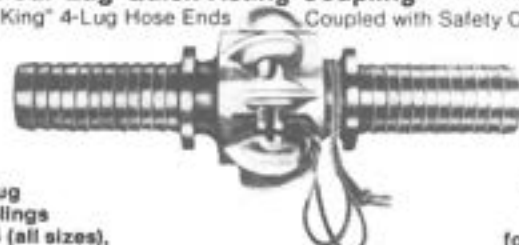
"AIR KING" Four-Lug Quick-Acting Coupling

Two "Air King" 4-Lug Hose Ends Coupled with Safety Clip

Series 2205



Washers for 4-Lug "Air King" Couplings
Part No. AWR-14 (all sizes),



Two Hose Ends Connected

"BOSS" CLAMPS recommended for these couplings

Type	Size:	Iron Part Number:	Brass Part Number:
 HOSE END	1 1/4"	AM-16	AB-16
	1 1/2"	AM-21	AB-21
	2"	AM-26	AB-26
 FEMALE N.P.T. END	1 1/4"	AM-16	AB-16
	1 1/2"	AM-23	AB-23
	2"	AM-28	AB-28

"AIR KING" Clamps, Plated Malleable Iron



Clamp Size:	For Hose O.D.'s From:	To:	Part Number:
3/4"	1 1/8"	7/8"	CD
1/2"	1"	1 1/8"	A-4
3/4"	1 1/8"	1 1/2"	A-9
7/8"	1 1/2"	1 3/4"	A-10
1"	1 3/4"	1 7/8"	A-14

WARNING:

IT IS DANGEROUS TO USE ANY "AIR KING" COUPLING FOR STEAM SERVICE! THIS IS TRUE NO MATTER WHICH "AIR KING" WASHER IS USED WITH THE COUPLING.
None of Dixon's catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



"DIXON" SAFETY CHECK VALVE Series 4325

Meet OSHA requirements in Section 1518.302 for Power Operated Tools Paragraph 7.

When properly installed, they will shut-off the air flow through them if a line is suddenly ruptured or accidentally disconnected. Shut-Off Valve bodies are Brass, Inner Valve is Brass, Spring is Stainless Steel and they have maximum pressure rating of 250 PSIG and Maximum Temperature rating of 250 degrees F.

To operate, the right valve must be chosen... the size should match the nominal pipe size of the air line. The valve should have an air flow rating greater than the tool usage flow in the air line, but less than the maximum air flow possible in the air line. The wider apart these two figures are, the better the valve will be suited for the installation. Example: Air tool usage demand is 125 SCFM at 90 PSIG, total maximum air flow in the line is 325 SCFM at 90 PSIG and the hose is 1" size. The proper Check Valve would be SCVL-8 with a rating of 165 to 195 SCFM. The only time one of these valves will not perform properly is when the tool usage and maximum line flow are close to equal. When start-up is underway, open the Air Control Valve at the Compressor or Manifold VERY SLOWLY to allow air to bleed through the Check Valve so that pressure is equalized on each side of the valve.

If the valve fails to operate despite meeting all conditions, check the hose line for obstructions or a Hose Mender restricting normal air flow.

For Rotary Screw & Vane and Reciprocating Piston Compressors:

N.P.T. & Hose I.D. Size:	Part Number:	Compressor Output Rating (C.F.M. at 90 P.S.I.):
1/4"	SCVL-6	72-88
	SCVM-6	92-108
	SCVR-6	112-128
	SCVJ-6	132-148
	SCVS-6	160-180
1"	SCVL-8	165-195
	SCVM-8	220-260
	SCVS-8	280-320
	SCVH-8	310-340
1 1/4"	SCVL-10	260-290
	SCVM-10	300-340
	SCVS-10	440-500
	SCVH-10	570-630
1 1/2"	SCVL-12	300-360
	SCVM-12	470-530
	SCVS-12	640-720
	SCVH-12	750-830
2"	SCVL-16	510-590
	SCVM-16	725-825
	SCVS-16	900-1050
	SCVH-16	1100-1200
3"	SCVL-24	1200-1400
	SCVS-24	2400-2700
	SCVH-24	2850-3050

Designed to protect portable or stationary air tools by efficiently oiling the tool mechanisms. Each time an air tool is operated, a fine mist of oil is injected into it along with the air from the compressor.

Recommended installation within 25 feet of the tool to be lubricated. Transparent sight disc allows visual inspection of oil level. Oil flow regulated by screw driver screw adjustment.

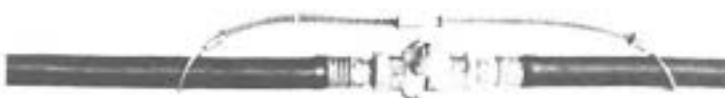


IN-LINE LUBRICATOR
SHOWING FILL-PLUG
& SIGHT DISC.

N.P.T. Size:	Oil Capacity:	Maximum Working Pressure:	Air Flow at 70 p.s.i.:	Part Number:
1/4"	1.4 Fluid ozs	500 p.s.i.g.	30 s.c.f.m.	PL-300
1/2"	3.7 Fluid ozs	200 p.s.i.g.	70 s.c.f.m.	PL-400
3/4"	11.0 Fluid ozs	300 p.s.i.g.	70 s.c.f.m.	PL-400L
1"	16.0 Fluid ozs	250 p.s.i.g.	100 s.c.f.m.	PL-500

Series 10,000

Whipchek



Series 2205

These strong steel cables prevent hose whip in case of accidental separation of coupling or clamp device. "WHIPCHEK" reaches across the hose fittings to provide stand-by safety for any type of hose. Spring-loaded loops in the cable ends open easily to pass over the couplings, for firm grip on hose, as shown. Thoroughly tested with years of service. Two styles:

Style W, for hose-to-hose service Style WSR, for hose-to-tool service

Hose-to-Hose Service... Spring Loops on Both Ends...

1/4" Cable For 1/2" to 1 1/4" incl. Hose Sizes—

20 1/4" Long, Part No: WB-1

1/2" Cable For 1 1/2" to 3" incl. Hose Sizes—

38 1/4" Long, Part No: WB-2

Hose-to-Tool Service... Spring Loop One End, Choker Other End...

1/4" Cable For 1/2" to 1 1/4" incl. Hose Sizes—

20 1/4" Long, Part No: WSR-1

1/2" Cable For 1 1/2" to 3" incl. Hose Sizes—

38" Long, Part No: WSR-2

Large size "WhipChk" available on request

Series 2115 "GJ-BOSS" GROUND JOINT SEAL, Swivel Nut Coupling, Style X-34

														
	COUPLING WITH FEMALE SPUD		COUPLING WITH MALE SPUD		STEM		WING NUT		FEMALE SPUD		MALE SPUD		DOUBLE SPUD	
Size:	Part Number	No. Per Carton	Part Number	No. Per Carton	Part Number	No. Per Carton	Part Number	No. Per Carton	Part Number	No. Per Carton	Part Number	No. Per Carton	Part Number	No. Per Carton
1/4"	GF-1		MG-1		GBA		BA-2		GB-C		GB-M			
3/8"	GF-3		MG-3		GCA		CB		GCC		GMC			
1/2"	GF-6	25	MG-6		GB-1		B-2		GB-3		GM-3		GDB-3	
3/4"	GF-26	25	MG-26		GB-6		B-12		GB-8		GM-8		GDB-13	
1"	GF-36	25	MG-36		GB-11		B-12		GB-13		GM-13		GDB-13	
1 1/4"	GF-51	12	MG-51		GB-16		B-17		GB-18		GM-18		GDB-23	
1 1/2"	GF-61	12	MG-61		GB-21		B-17		GB-23		GM-23		GDB-23	
2"	GF-81	12	MG-81		GB-26		B-27		GB-28		GM-28		GDB-28	
2 1/2"	GF-96	6	MG-96		GB-31		B-32		GB-33		GM-33		GDB-33	
3"	GF-111	6	MG-111		GB-36		B-37		GB-38		GM-38		GDB-38	
4"	GF-141				GB-46		B-47		GB-48					
5"	GF-171				GB-56		B-67		GB-58					
6"	GF-201				GB-66		B-67		GB-68					

"BOSS" Male Stem, MX-16 Series 2220

Size:	Part Number	No. Per Carton
1/4"	MSA	
3/8"	MSC	
1/2"	MS-1	25
3/4"	MS-6	25
1"	MS-11	25
1 1/4"	MS-16	25
1 1/2"	MS-21	25
2"	MS-26	25
2 1/2"	MS-31	6
3"	MS-36	6
4"	MS-46	
5"	MS-51	
6"	MS-66	

"BOSS" Clamps Series 3500

Series 3500

2-Bolt Type

Plated Mail Iron

Hose I.D.	Hose From:	Hose To:	O.D.	Part No.:	No./Box:
1/4"	3/8"	1/2"	1/2"	BD	25
3/8"	1/2"	3/4"	3/4"	CD	25
1/2"	3/4"	1"	1"	DD	25
3/4"	1"	1 1/4"	1 1/4"	B-4	25
1"	1 1/4"	1 1/2"	1 1/2"	B-5	25
1 1/4"	1 1/2"	1 3/4"	1 3/4"	BU-9	25
1 1/2"	1 3/4"	2"	2"	B-9	25
2"	2 1/4"	2 1/2"	2 1/2"	B-10	25

Pltd. Mail. Iron

*4-Bolt Type with 4 Gripping Fingers

4-Bolt Type with 2 Gripping Fingers

Hose I.D.	Hose From:	Hose To:	O.D.	Part No.:	No./Box:
1/2"	3/4"	1 1/2"	1 1/2"	968X	25
1"	1 1/4"	1 3/4"	1 3/4"	156 *	25
1"	1 1/2"	1 3/4"	1 3/4"	BU-14	25
1"	1 3/4"	2"	2"	B-14	25
1 1/4"	1 3/4"	2 1/4"	2 1/4"	187 *	25
1 1/2"	1 3/4"	2 1/2"	2 1/2"	B-15	25
1 3/4"	2"	2 1/2"	2 1/2"	206 *	25
2"	2 1/4"	2 1/2"	2 1/2"	212 *	25
1 1/4"	2 1/4"	2 1/2"	2 1/2"	B-19	25
1 1/2"	2 1/4"	2 1/2"	2 1/2"	225 *	25
1 1/2"	2 1/2"	2 3/4"	2 3/4"	BU-24	25

Hose I.D.	Hose From:	Hose To:	O.D.	Part No.:	No./Box:
1 1/2"	2 1/4"	2 1/2"	2 1/2"	B-24	25
1 1/2"	2 1/2"	2 3/4"	2 3/4"	B-25	25
2"	2 1/2"	2 3/4"	2 3/4"	BU-29	25
2"	2 3/4"	3 1/4"	3 1/4"	275 *	25
2"	2 3/4"	3 1/4"	3 1/4"	B-29	25
2"	3 1/4"	3 3/4"	3 3/4"	306 *	25
2"	3 1/4"	3 3/4"	3 3/4"	350 *	25
2"	3 3/4"	3 3/4"	3 3/4"	B-30	25
2 1/2"	3 3/4"	3 3/4"	3 3/4"	375 *	25
2 1/2"	3 3/4"	4"	4"	B-34	25
3"	4"	4 1/4"	4 1/4"	401 *	25
3"	4 1/4"	4 1/4"	4 1/4"	B-35	25
3"	4 1/4"	4 1/4"	4 1/4"	418 *	25
3"	4 1/4"	4 1/4"	4 1/4"	B-39	25
3"	4 1/4"	4 1/2"	4 1/2"	450 *	25

Three-piece, six-bolt "BOSS" Clamps

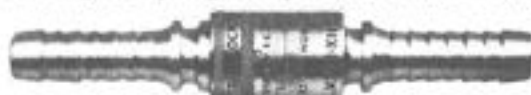
Plated Malleable Iron

Hose I.D.	Hose From:	Hose To:	O.D.	Part No.:	No./Box:
2"	3"	3 1/4"	3 1/4"	BS-29	25
4"	4 1/4"	4 3/4"	4 3/4"	BS-39	25
4"	4 3/4"	5 1/4"	5 1/4"	BS-49	25
4"	5 1/4"	5 3/4"	5 3/4"	BU-49	25
4"	5 3/4"	6 1/4"	6 1/4"	B-49	25
6"	6 1/4"	7 1/4"	7 1/4"	750*	25
6"	7 1/4"	8"	8"	850*	25



Rubber & Specialties, Inc.

"DIX-LOCK" Quick-Acting Couplings: Style QM, Plated Steel—Style QB, Brass



Two "Dix-Lock" Hose Ends Connected

Series 2201

Illustrations:	Size:	Part No., Plated Steel:	Part No., Brass:	Illustrations:	Size:	Part No., Plated Steel:	Part No., Brass:
	3/8"	QM-2	QB-2		3/8"	QM-21	QB-21
	1/2"	QM-3	QB-3		1/2"	QM-22	QB-22
	3/4"	QM-4	QB-4		3/4"	QM-23	QB-23
	3/8"	QM-41	QB-41		3/8"	QM-61	QB-61 \$1:
	1/2"	QM-42	QB-42		1/2"	QM-62	QB-62 1:
	3/4"	QM-43	QB-43		3/4"	QM-63	QB-63 1:
	3/8"	QM-81	QB-81		3/8"	QM-101	QB-101 \$12
	1/2"	QM-82	QB-82		1/2"	QM-102	QB-102 12
	3/4"	QM-83	QB-83		3/4"	QM-103	QB-103 12

(ALL PARTS ABOVE ARE PACKAGED IN CARTONS OF 25 EACH)

"DIX-LOCK" GASKETS



Size:	Part No.:
3/8"	QBM-2
1/2"	QBM-2
3/4"	QBM-2

"DIX-LOCK" CONVERTER



Plated Steel Part No. QM-0
Brass Part Number QB-0

"DIX-LOCK" Quick-Acting Couplings: LOCKING SLEEVES—Brass—Plated Steel

Positive Safety Lock—
Just a turn of the Locking
Sleeve—cannot open until
sleeve is released.

Illustration	Size:	Plated Steel Part Number:	Illustration	Size:	Plated Steel Part Number:
	1/2"	QM-33		1/2"	QM-66
	3/4"	QM-44		3/4"	QM-88
	Size:	Brass Part No.:		Size:	Brass Part No.:
	1/2"	QB-33		1/2"	QB-66
	3/4"	QB-44		3/4"	QB-88

"No. 3500" Steel Nipples, Hose Shanks x N.P.T.

Series 2210



Male N.P.T. x
Hose Shank

Hose Size:	N.P.T. Size:	No. Per Carton	Part Number:
1/4"	1/8"	100	3501
1/4"	1/4"	100	3502
1/4"	3/8"	100	3504
3/8"	1/4"	100	3505
3/8"	3/8"	100	3506
3/8"	1/2"	100	3508
1/2"	1/4"	100	3509
1/2"	3/8"	100	3510
1/2"	1/2"	100	3512
1/2"	3/4"	50	3511
3/4"	1/2"	50	3513
3/4"	3/4"	50	3514
1"	3/4"	50	3516
1"	1"	50	3518



Female N.P.T.
x Hose Shank

Hose Size:	N.P.T. Size:	No. Per Carton	Part Number:
1/4"	1/8"	100	3542
3/8"	1/4"	100	3545
3/8"	3/8"	100	3546
1/2"	3/8"	100	3550
1/2"	1/2"	100	3552
3/4"	3/4"	50	3554

This Listing Repeated in Section C

Combination Nipples



N.P.T. END HOSE SHANK

All-purpose nipples, made from tubular stock to fit straight end hose. Threaded end, in all styles, has standard iron pipe thread same size as hose, i.e. 2" Nipple has 2" thread and fits 2" I.D. hose.

Series 2215



GROOVED ENDS
(Victaulic)

Size:	No./Carton:	UNPLATED STEEL		PLATED STEEL	STAINLESS STEEL	UNPLATED STEEL
		N.P.T. Ends Part Number:	Undersize Hose Shanks N.P.T. Ends Part Number:	N.P.T. Ends Part Number:	N.P.T. Ends Part Number:	Victaulic Groove Part Number:
1/2"	50	ST-1	STU-1	STC-1	RST-1	
3/4"	50	ST-5	STU-5	STC-5	RST-5	STV-5
1"	50	ST-10	STU-10	STC-10	RST-10	STV-10
1 1/4"	50	ST-15	STU-15	STC-15	RST-15	STV-15
1 1/2"	50	ST-20	STU-20	STC-20	RST-20	STV-20
2"	50	ST-25	STU-25	STC-25	RST-25	STV-25
2 1/2"	25	ST-30	STU-30	STC-30	RST-30	STV-30
3"	25	ST-35	STU-35	STC-35	RST-35	STV-35
4"	25	ST-40	STU-40	STC-40	RST-40	STV-40
5"	8	ST-50	STU-50	STC-50	RST-50	STV-50
6"	8	ST-60	STU-60	STC-60	RST-60	STV-60
8"	4	ST-80	STU-80	STC-80	RST-80	STV-80
10"	1	ST-100	STU-100	STC-100		STV-100
12"	*1	ST-120	STU-120	STC-120		STV-120

Series 2100

Suction Hose Fittings

"KING" Shank Couplings for Water and Suction Services

COMPLETE
COUPLING
SETS



Hose I.D. and Thread Size:	ALUMINUM WITH BRASS SWIVEL NUT		ALUMINUM WITH MALL. IRON SWIVEL NUT		ALL BRASS INCLUDING SWIVEL NUT	
	Part Number:		Part Number:		Part Number:	
1 1/2"					CBB-125	
1 3/4"	CAB-150		CAI-150		CBB-150	
2"	CAB-200		CAI-200		CBB-200	
2 1/2"	CAB-250		CAI-250		CBB-250	
3"	CAB-300		CAI-300		CBB-300	
4"	CAB-400		CAI-400		CBB-400	
6"	CAB-600		CAI-600		CBB-600	n.s.

Hose I.D. and Thread Size:	PLATED MALLEABLE IRON INCLUDING SWIVEL NUT		PLATED MALLEABLE IRON WITH BRASS SWIVEL NUT		ALL REINFORCED NYLON INCLUDING SWIVEL NUT	
	Part Number:		Part Number:		Part Number:	
1"	S-33		SB-33			
1 1/2"	S-48		SB-48		TCS-48	
1 3/4"	S-63		SB-63		TCS-63	
2"	S-78		SB-78		TCS-78	
2 1/2"	S-93		SB-93			
3"	S-111		SB-111		TCS-111	
4"	S-123		SB-123			
5"	S-168		SB-168			
6"	S-183		SB-183			
8"	S-243		SB-243			



Series 2225

Hose Menders

Series 2225

"DIXON" Steel Hose Mender for Repair of All Types of Water and Suction Hose



Mender Tubes - Steel
and Stainless Steel

Steel		Stainless Steel	
Size	Part No.		Part No.
1/4"	DMA		
3/8"	DMB		
1/2"	DM-1		
3/4"	DM-5		
1"	DM-6	RDM-6	
1 1/4"	DM-11	RDM-11	
1 1/2"	DM-16	RDM-16	
1 3/4"	DM-18		
2"	DM-21	RDM-21	
2 1/2"	DM-26	RDM-26	
3"	DM-31		
3 1/2"	DM-36	RDM-36	
4"	DM-46	RDM-46	
5"	DM-51		
6"	DM-66		
8"	DM-86		
10"	DM-100		
12"	DM-120		

For Air Hose up to 1" Size

"KING" Hose Menders—One or Two Corrugations

Series 2225



Mender Tubes
Steel



FOR 1 CLAMP EACH END

Hose Size	Part Number	Qty. per Carton
1/4"	KM-21	100
3/8"	KM-251	100
1/2"	KM-31	100
3/4"	KM-41	100
1"	KM-51	50
1 1/4"	KM-61	50
1 1/2"	KM-81	50
2"	KM-101	50
2 1/2"	KM-121	50
3"	Not Available	

FOR 2 CLAMPS EACH END

Hose Size	Part Number	Qty. per Carton
1/4"	Not Available	
3/8"	Not Available	
1/2"	KM-42	100
3/4"	KM-52	100
1"	KM-62	50
1 1/4"	KM-82	50
1 1/2"	KM-102	50
2"	KM-122	50
2 1/2"	KM-162	25

Manufacturers' Catalogs
plus any data you need
are available on request.

"BOSS" Hose Mender; Style BM-16



Mender Tube

Collars to engage grip fingers of "Boss" Clamps.
Plated Mail Iron or Plated Tubular Steel depending
on size.

Hose I.D. Size:	Part Number:
1/2"	M-1
3/4"	M-6
1"	M-11
1 1/4"	M-16
1 1/2"	M-21
2"	M-26
2 1/2"	M-31
3"	M-36
4"	M-46
5"	M-51
6"	M-66

"TUFF-LITE" Menders—for Hose and Tubing

Hose Size: Part Number:

1/4"	TM-2
3/8"	TM-25
1/2"	TM-3
3/4"	TM-4
1"	TM-5
1 1/4"	TM-6
1 1/2"	TM-8



Series 2500

HIGH-TENSILE NYLON

This is a repeat of the listing in Section O

"TUFF-LITE" PUSH-ON Hose Menders

HIGH TENSILE NYLON



This is a repeat of the listing in Section O

Hose Size:	Part Number:
1/4"	TPM-2
3/8"	TPM-3
1/2"	TPM-4

Series 2500

NO CLAMPS
NEEDED WHEN
USED WITH
SPECIAL HOSE.

"TUFF-LITE" Nylon Hose Mender

SPECIAL FORMULA REIN- FORCED NYLON



RESISTS
MOST
COMMON
CHEMICALS
AND
POLLUTANTS

Series 2500

Hose Sizes:	Part Number:
1 1/4"	TM-16
1 1/2"	TM-21
2"	TM-26
3"	TM-36
4"	TM-46
6"	TM-66



Series 4100

Foot Valves & Strainers

Foot Valves Complete with Strainer, Cast Iron—Galvanized or Painted



COMPLETE ASSEMBLY			STRAINER ONLY (No Valve and Seal)		FLAPPER VALVE ASSEMBLY	WIDE LEATHER	SEAT PLATE
Size:	Part Number:	Part Number:	Part Number:	Part Number:	Part Number:	Part Number:	Part Number:
1"	GFVS-10	GFV-10	FVS-10	GFVS-10	FVFA-10	FVL-10	FVSP-10
1 1/4"	GFVS-15	GFV-15	FVS-15	GFVS-15	FVFA-15	FVL-15	FVSP-15
1 1/2"	GFVS-20	GFV-20	FVS-20	GFVS-20	FVFA-20	FVL-20	FVSP-20
2"	GFVS-25	GFV-25	FVS-25	GFVS-25	FVFA-25	FVL-25	FVSP-25
2 1/2"	GFVS-30	GFV-30	FVS-30	GFVS-30	FVFA-30	FVL-30	FVSP-30
3"	GFVS-35	GFV-35	FVS-35	GFVS-35	FVFA-35	FVL-35	FVSP-35
4"	GFVS-40	GFV-40	FVS-40	GFVS-40	FVFA-40	FVL-40	FVSP-40
5"	GFVS-50	GFV-50	FVS-50	GFVS-50	FVFA-50	FVL-50	FVSP-50
6"	GFVS-60	GFV-60	FVS-60	GFVS-60	FVFA-60	FVL-60	FVSP-60
8"	GFVS-80	GFV-80	FVS-80	GFVS-80	FVFA-80	FVL-80	FVSP-80
10"	GFVS-100	*	FVS-100	*	FVFA-100	*	FVSP-100
12"	GFVS-120	*	FVS-120	*	FVFA-120	*	FVSP-120

*with Flange End

Suction Hose Strainers—Square, Round Hole & Long Thin Type Series 4000



Standard
Threaded
Round Hole Type



Hose
Shank
Round Hole Type



Standard
Threaded
Square Hole Type



Hose
Shank
Square Hole
Type

Long Thin
Round Hole
Type



Polyethylene Suction Hose Strainer



Polyethylene
Strainer

Size:	Threaded Part No.:	Hose Shank Part No.:	Threaded Part No.:	Hose Shank Part No.:	Threaded Long Thin Part No.:
1 1/4"	RHS-20	RHS-20S	SHS-20	SHS-20S	RSS-20
2"	RHS-25	RHS-25S	SHS-25	SHS-25S	RSS-25
2 1/2"	RHS-30		SHS-30		RSS-30
3"	RHS-35	RHS-35S	SHS-35	SHS-35S	RSS-35
4"	RHS-40	RHS-40S	SHS-40	SHS-40S	RSS-40
5"	RHS-50				
6"	RHS-60		SHS-60		
8"	RHS-80				
10"	RHS-100				
12"	RHS-120				

*also available N.S.T. Round Hole Type RHS 3075

All strainers are Zinc Plated or Chromate Finished Steel. Also available Chrome Plated.

Size	Part Number
1 1/4"	TSS-20
2"	TSS-25
3"	TSS-35

"DIXON" Skimmer Strainers

Both Types — Zinc Plated Steel

Skimmer
Top Hole
Type



Size	Part Number
1 1/4"	DST-20
2"	DST-25
3"	DST-35

Skimmer
Bottom
Hole Type



Size	Part Number
1 1/4"	DSB-20
2"	DSB-25
3"	DSB-35



TIRE INFLATOR GAUGES

Series 10,000

Part #
D101



Heavy duty tire gauge. Has 12" hose with swivel dual foot chuck inflator. Tapered chuck nut fits wheel cover holes on cars and light trucks. Calibrated in 2 PSI increments from 10 to 90 PSI.

Part #
D150



Tire gauge for passenger cars. Has 12" hose with straight-on chuck. Straight chuck nut fits wheel cover holes on cars and light trucks. Ideal for use on wells and reels. Calibrated in 2 PSI increments from 10 to 90 PSI.

DUAL FOOT GAUGES

Series 10,000

Part #
DFG2



Features a heavy duty hang-up ring. Calibrated in 2 PSI increments from 10 to 130 PSI.

Part #
DFG1



Calibrated in 2 PSI increments from 20 to 120 PSI. Handy pocket clip.

"AIR CHIEF" Safety Blow Gun

0204-30
(Formerly Part AC-10)

Series 10,000



TIRE INFLATOR CHUCK

Part #
D104



PLASTI DIP® AND PLASTI DIP®/SPRAY

Series 6970



New 12 oz. spray can for the convenience of coating objects and surfaces in the home or shop.

Convenient 16 oz. dip can. Sized for the dipping or brushing of small parts.



For larger quantity applications of dipping, brushing, or spraying, Plasti-Dip is available in bulk form in 1 gal., 5 gal., and drum sizes. When diluted with a thinner, Plasti-Dip can be sprayed from a conventional airless spray gun or pressure-pot gun. Ideal for home, shop, or industrial application.



Garden Hose Accessories

Insulated Water Nozzles

Part #

SN75

- Heavy duty brass valve and adjusting nut
- Hold open clip locks any spray pattern
- Chrome plated all zinc body
- Industrial strength nylon handle
- Rubber head guard on threaded GHT front version
- Handle GHT threads
- Hot water up to 180° F

GHT Washers

Material	Part #
Red Vinyl	TVW7
White Rbr.	TRW7

Solid Brass Full Size Twist Nozzle

Part #

BTN75

Thermo-Plastic Fire Hose Nozzle with Bumper

Size	Thread	Part #
3/4"	GHT	FNB75GHT

Part #

GHV

Chrome plated die cast zinc shut-off valve. Hot water up to 160° F. 150 PSI.

Part #

GHGN

Nickel plated zinc casting gooseneck connector. Angles hose away from hose bib. 125 PSI.

Pistol-Grip Water Nozzles

Part #

CSN75

- Heavy duty all zinc metallized body
- Clip locks any spray pattern
- Easy squeeze on/off lever
- All brass valve stem and adjusting nut
- Stainless steel spring with lifetime packing
- Handle GHT threads

Hydrant Adapter

Description	Part #
2 1/2" Female NST x 3/4" Male GHT	HA2576

Brass Sweeper Nozzle

Thread Size	Description	Part #
3/4"	GHT x 2" long	PSN76

Solid Brass Hose Nozzle

Thread Size	Description	Discharge	Part #
3/4"	GHT x 6" long	1/4"	BN8

100 PSI

Part #

GHYV

Rugged chrome plated die cast zinc with twin shut-off valves. Hot water up to 160° F. 150 PSI.

Part #

GHY

Plated zinc with twin outlet. Hot water up to 160° F. Includes one end cap. 150 PSI.

HANSEN Series GH Couplings

Series 2247



Quick-Connective Couplings are for water service connections where 3/4" and 1-1/16" threaded hoses are used. When coupling is connected, tight seal between plug and socket is insured by a high-grade O-Ring in socket. Has one-way shut-off capability by adding a plastic poppet valve.

Part No.	Female End Connections	Dimensions
Brass		A B
GHS-12-V	.75-11.5 Hose Coupling Thread	1.19 1.19
GHS-12	Non-valved .75-11.5 Hose Coupling Thread	1.19 1.19

Female & Male End Connections



Part No.	Male End Connection	Dimensions
Brass		D E
GHP-11	.75-11.5 Hose Coupling Thread	1.30 1.06

E = Across Nuts



LP-Gas Couplings & Adaptors

Series 2248



Female Acme Filler Couplings

FEMALE ACME	OTHER CONNECTION	LENGTH		TYPE NUMBER	
				Brass	Steel
1 1/4-in.	3/4-in. MNPT	3-in.	1	M100	—
	1/2-in. MNPT	2 1/2-in.	2	M101	—
1 1/2-in.	3/4-in. MNPT	3-in.	3	M110	A1149F
	3/4-in. MNPT	3-in.	4	M111	A1150F
	3/4-in. MNPT	6 1/2-in.	5	—	A1130F
	1-in. MNPT	3-in.	6	M112	A1151F
2 1/4-in.	1 1/4-in. MNPT	3 1/2-in.	7	—	A1131F
	1 1/4-in. FNPT	1 1/2-in.	8	M442	—
3 1/4-in.	2-in. MNPT	3 1/2-in.	9	M130*	A1157F
4 1/4-in.	3-in. MNPT	4 1/2-in.	10	M664-24	M634-24

*Steel nipple



Female Acme Vapor Return Couplings

FEMALE ACME	MALE NPT	LENGTH		TYPE NUMBER	
				Brass	Steel
1 1/4-in.	3/4-in.	2 1/2-in.	11	M140	—
	3/4-in.	6 1/2-in.	12	M394	—
1 1/2-in.	3/4-in.	2 1/2-in.	13	M141	M640-4
	3/4-in.	3 1/2-in.	14	M150	—
	1-in.	7-in.	15	—	M646-6
	1-in.	3 1/2-in.	16	M151	M641-8
2 1/4-in.	1 1/4-in.	7 1/2-in.	17	—	M646-8
	1 1/4-in.	3 1/2-in.	18	M160	—



Male Acme Adaptors

MALE ACME		TYPE NUMBER		WASHER DRAWING NO.
		Brass	Steel	
1 1/4 x 1 1/4-in.	1	M270	—	IE8122
1 1/4 x 1 1/2-in.	2	M273	A2005	IE8124
2 1/4 x 2 1/4-in.	3	—	A2007	IE8126
3 1/4 x 3 1/4-in.	4	—	M536-26	IE8128
4 1/4 x 4 1/4-in.	5	—	M536-34	T10948



Male Acme x Female NPT Adaptors

MALE ACME	FEMALE NPT		TYPE NUMBER		WASHER DRAWING NO.
			Brass	Steel	
1 1/4-in.	1/2-in.	1	M498-4-2	—	IE8122
	3/8-in.	2	M498-6-3	—	
	1/2-in.	3	M192	—	
	3/4-in.	4	M193	—	
1 1/2-in.	1/2-in.	5	M210	—	IE8124
	3/4-in.	6	M211	—	
	1/2-in.	7	M212	—	
	3/4-in.	8	M213	M526-6	
	1-in.	9	M214	A2013	
	1-in.	10	M502-12-8	—	
2 1/4-in.	1 1/4-in.	11	M502-16/10	M522-16/10	IE8126
	1 1/2-in.	12	M502-16/12	—	
3 1/4-in.	1 1/2-in.	13	M250	—	IE8128
	2-in.	14	M252	M526-16	
	3-in.	15	M508-24	M528-24	
4 1/4-in.	3-in.	16	M509-24	M529-24	T10948



Male Acme x Male NPT Adaptors

MALE ACME	MALE NPT		TYPE NUMBER		WASHER DRAWING NO.
			Brass	Steel	
1 1/4-in.	1/2-in.	17	M498-4-2	—	IE8122
	3/8-in.	18	M498-6-3	—	
	1-in.	19	—	M520-8	
1 1/2-in.	1/2-in.	20	—	A2000	IE8124
	3/4-in.	21	M215	A2001	
	1-in.	22	M216	A2002	
	1 1/4-in.	23	M217	A2003	
	1 1/2-in.	24	M233	M236	
2 1/4-in.	1 1/4-in.	25	M502-12-8	—	IE8126
	2-in.	26	M502-16/10	M522-16/10	
3 1/4-in.	2-in.	27	M503-16	A2063	IE8128
	3-in.	28	M262	A2065	
4 1/4-in.	3-in.	29	M504-24	M524-24	T10948

O-Rings for Male Acme Adaptors

The 2 1/4 and 3 1/4-inch male adaptors listed above can be supplied with replacement O-rings instead of the conventional washer type of gasket. O-rings give a tighter seal in most cases than the washers.

O-ring for 2 1/4-inch Adaptors ... T12655 T0012

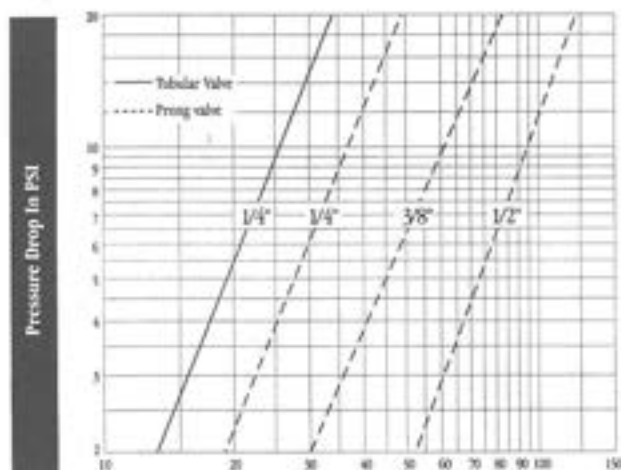
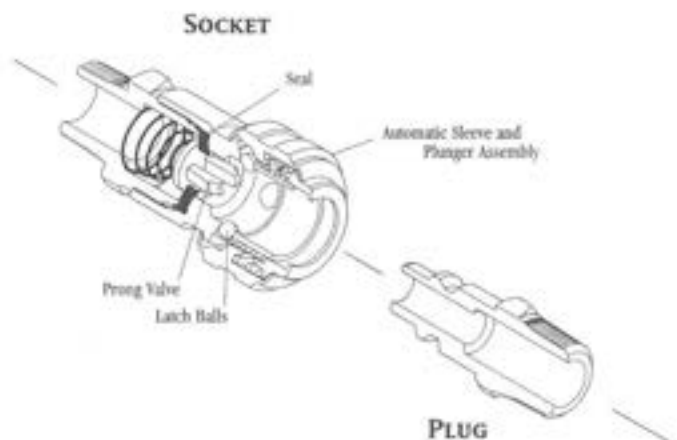
O-ring for 3 1/4-inch Adaptors ... 1H2917 06562



Perfecting Single Shut-Off Couplings

Series 2242

FLOW AND PRESSURE DROP CHARACTERISTICS



Cubic Feet Per Minute Flow
(90 PSI Air At 68°F)

D SERIES FEATURES

SOCKET FEATURES

Latch Mechanism -

- Proprietary design allows automatic connect and pull to disconnect to accommodate one hand operation
- Sleeve action is opposite direction of conventional design which reduces the chance of accidental disconnect when pulled across obstacles

Material and Finish

- Machined from solid brass bar stock
- Stainless steel balls and springs maximize corrosion resistance

Valving

- Tubular valve is standard for 1/4" body size
- Prong valve (shown) is standard for 3/8" and 1/2" body sizes, optional for 1/4" body size

Seals

- Buna-N (Nitrile) seal is standard

PLUG FEATURES

Material and Finish

- Machined from solid steel and brass bar stock
- Steel plugs are hardened and zinc plated to provide maximum service life

GENERAL

- Body Sizes - 1/4" through 1/2"
- Female and male NPTF threads, Hose barb, Push Loc, and Reusable end configurations

Interchange Guide

- MIL-C-4109 / ANSI (NPTF) T3.20.14
- Parker 30
- Hansen 3000, 4000, 5000

Accessories, Options or Made to Order Features

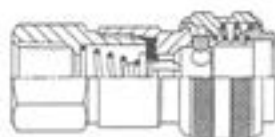
- Valving - Brass and stainless steel
- EPDM (EPR) and Viton seals
- Locking Sleeve
- Stainless steel body construction

TECHNICAL SPECIFICATIONS

Body Size	Working Pressure (psi)		Failure Pressure (psi)	
	Connected	Disconnected	Connected	Disconnected
1/4	1500	900	12000	8000
3/8	1500	700	12000	4000
1/2	1500	500	12000	2000

Perfecting Single Shut-Off Couplings

Series 2242

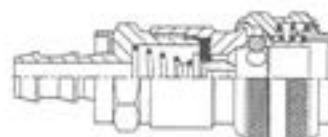
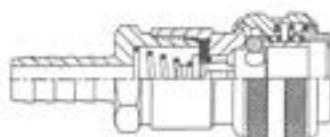


SOCKETS — FEMALE PIPE THREAD

Body Size	Brass	Material Steel	Stainless	End Size
1/4	2DF1-B	-	-	1/8-27
1/4	2DF2-B	-	-	1/4-18
1/4	2DF3-B	-	-	3/8-18
3/8	3DF2-B	-	-	1/4-18
3/8	3DF3-B	-	-	3/8-18
3/8	3DF4-B	-	-	1/2-14
1/2	4DF3-B	-	-	3/8-18
1/2	4DF4-B	-	-	1/2-14
1/2	4DF6-B	-	-	3/4-14

SOCKETS — MALE PIPE THREAD

Body Size	Brass	Material Steel	Stainless	End Size
1/4	2DM1-B	-	-	1/8-27
1/4	2DM2-B	-	-	1/4-18
1/4	2DM5-B	-	-	3/8-18
3/8	3DM2-B	-	-	1/4-18
3/8	3DM3-B	-	-	3/8-18
3/8	3DM4-B	-	-	1/2-14
1/2	4DM3-B	-	-	3/8-18
1/2	4DM4-B	-	-	1/2-14
1/2	4DM6-B	-	-	3/4-14

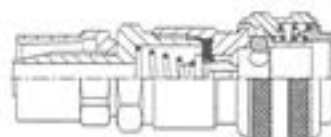


SOCKETS — HOSE BARB

Body Size	Brass	Material Steel	Stainless	End Size (Hose ID)
1/4	2DS2-B	-	-	1/4
1/4	2DS3-B	-	-	3/8
3/8	3DS2-B	-	-	1/4
3/8	3DS3-B	-	-	3/8
3/8	3DS4-B	-	-	1/2
1/2	4DS3-B	-	-	3/8
1/2	4DS4-B	-	-	1/2
1/2	4DS6-B	-	-	3/4

SOCKETS — PUSH LOC

Body Size	Brass	Material Steel	Stainless	End Size (Hose ID)
1/4	2DB2-B	-	-	1/4
1/4	2DB3-B	-	-	3/8



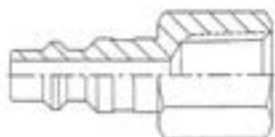
SOCKETS — REUSABLE HOSE

Body Size	Brass	Material Steel	Stainless	End Size (Hose ID x OD)
1/4	2DE2-B	-	-	1/4 x 1/2
1/4	2DE2-B	-	-	1/4 x 5/8
1/4	2DE3-B	-	-	3/8 x 11/16
1/4	2DE3-B	-	-	3/8 x 3/4



Perfecting Single Shut-Off Couplings

Series 2242



PLUGS — FEMALE PIPE THREAD

Body Size	Brass	Material Steel	Stainless	End Size
1/4	D2F1-B	D2F1	-	1/8-27
1/4	D2F2-B	D2F2	-	1/4-18
1/4	D2F3-B	D2F3	-	3/8-18
3/8	-	D3F2	-	1/4-18
3/8	D3F3-B	D3F3	-	3/8-18
3/8	-	D3F4	-	1/2-14
1/2	D4F3-B	D4F3	-	3/8-18
1/2	-	D4F4	-	1/2-14
1/2	-	D4F6	-	3/4-14

PLUGS — MALE PIPE THREAD

Body Size	Brass	Material Steel	Stainless	End Size
1/4	D2M1-B	D2M1	-	1/8-27
1/4	D2M2-B	D2M2	-	1/4-18
1/4	D2M3-B	D2M3	-	3/8-18
3/8	D3M2-B	D3M2	-	1/4-18
3/8	D3M3-B	D3M3	-	3/8-18
3/8	-	D3M4	-	1/2-14
1/2	D4M3-B	D4M3	-	3/8-18
1/2	D4M4-B	D4M4	-	1/2-14
1/2	D4M5-B	D4M5	-	3/4-14



PLUGS — HOSE BARB

Body Size	Brass	Material Steel	Stainless	End Size (Hose ID)
1/4	D2S2-B	D2S2	-	1/4
1/4	D2S3-B	D2S3	-	3/8
3/8	-	D3S2	-	1/4
3/8	-	D3S3	-	3/8
3/8	-	D3S4	-	1/2
1/2	D4S3-B	D4S3	-	3/8
1/2	D4S4-B	D4S4	-	1/2
1/2	D4S6-B	D4S6	-	3/4

PLUGS — PUSH LOC

Body Size	Brass	Material Steel	Stainless	End Size (Hose ID)
1/4	-	D2B2	-	1/4
1/4	-	D2B3	-	3/8



PLUGS — REUSABLE HOSE

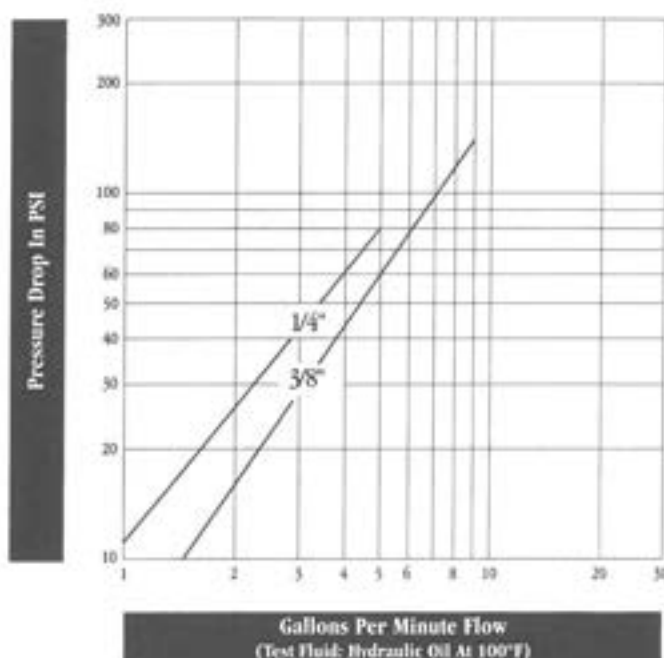
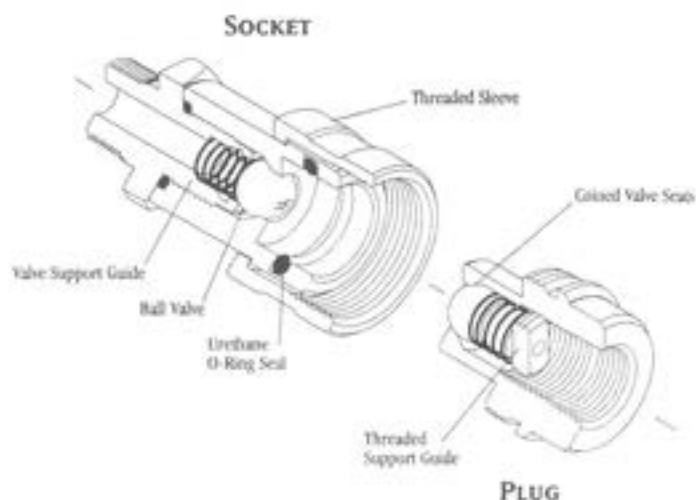
Body Size	Brass	Material Steel*	Stainless	End Size (Hose ID x OD)
1/4	-	D2R2	-	1/4 x 1/2
1/4	-	D2R2	-	1/4 x 5/8
1/4	-	D2R3	-	3/8 x 11/16
1/4	-	D2L3	-	3/8 x 3/4

*Ferrules Are Brass



Perfecting Double Shut-Off Couplings

FLOW AND PRESSURE DROP CHARACTERISTICS



T SERIES FEATURES

SOCKET FEATURES

Latch Mechanism

- Knurled sleeve for threaded connect and disconnect operation

Material and Finish

- Machined from solid steel bar stock
- Steel componentry is zinc plated

Coupled seal

- Urethane seal resists extrusion when subjected to high pressure

PLUG FEATURES

Material and Finish

- Machined from solid high strength steel bar stock
- Steel componentry is zinc plated

GENERAL

- Body Sizes - 1/4" and 3/8"
- Female and male NPTF thread configurations

Installation

- Threaded latch mechanism enables connect and disconnect while under residual line pressure

Valving

- Chrome steel ball valve is coined to the valve seat to improve low pressure sealing performance
- Positive machined and threaded valve guide stops eliminate flow check during excessive surge flow

Interchange Guide

- Parker 3000
- Enerpac C604
- Faster PVV

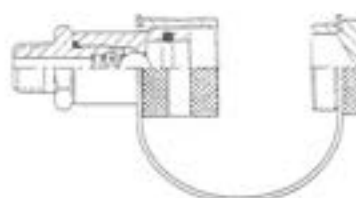
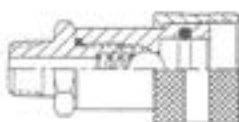
Accessories, Options or Made to Order Features

- Stainless steel body construction



Perfecting Double Shut-Off Couplings

Series 2242

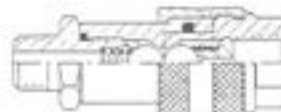
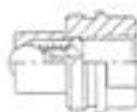


SOCKETS — MALE THREAD

Body Size	Material			Thread Configuration		
	Brass	Steel	Stainless	NPTF	ORF	BSPT
1/4"	-	316L	-	1/4-18	-	-
3/8"	-	316L	-	3/8-18	-	-

SOCKETS (WITH DUST PLUG) — MALE THREAD

Body Size	Material			Thread Configuration		
	Brass	Material Steel	Stainless	NPTF	ORF	NPT
1/4"	-	316L-CP	-	1/4-18	-	-
3/8"	-	316L-CP	-	3/8-18	-	-



PLUGS — FEMALE THREAD

Body Size	Material			Thread Configuration		
	Brass	Steel	Stainless	NPTF	ORF	BSPP
1/4"	-	T316	-	1/4-18	-	-
3/8"	-	T316	-	3/8-18	-	-

Plugs come with protective slip-on plastic cover.

SOCKET AND PLUG ASSEMBLIES — MALE / FEMALE THREADS

Body Size	Material			Thread Configuration		
	Brass	Steel	Stainless	NPTF	ORB	NPT(F)
1/4"	-	316L-CP-T1F2	-	1/4-18	-	-
3/8"	-	316L-CP-T1F3	-	3/8-18	-	-

Socket and plug assemblies come with a metal screw-type dust plug for the socket. (Not shown in illustrations)

AIR FITTINGS and ACCESSORIES

DUAL LOCK QUICK-ACTING COUPLINGS

Series 2244

Dual Lock Air Couplings - Designed for use with pneumatic air tools.

- Spring loaded interlocking engagement.
- Full opening permits full-line pressure to tool.
- Optional locking key prevents sleeve retraction.
- 300 PSI working pressure.
- Interchanges with National "A" type, Perfecting "P" type and Thor PHC series couplings.
- PM and PF series must be used with mating Locking Sleeve fittings.
- Zinc coated.



Male Pipe Thread

Size	Plated Steel Part #	Brass Part #	Pkg Qty
3/8"	PM6	PMB6	25
1/2"	PM8	PMB8	25
3/4"	PM12	PMB12	25
1"	PM16	PMB16	25



Female Pipe Thread

Size	Plated Steel Part #	Brass Part #	Pkg Qty
3/8"	PF6	PFB6	25
1/2"	PF8	PFB8	25
3/4"	PF12	PFB12	25
1"	PF16	PFB16	25



Hose End Barb with Locking Sleeve

Size	Plated Steel Part #	Brass Part #	Pkg Qty
3/8"	PHL6		25
1/2"	PHL8		25
3/4"	PHL12	PHLB12	25
1"	PHL16	PHLB16	25



Male Pipe Thread with Locking Sleeve

Size	Plated Steel Part #	Pkg Qty
3/8"	PML6	25
1/2"	PML8	25
3/4"	PML12	25



Female Pipe Thread with Locking Sleeve

Size	Plated Steel Part #	Pkg Qty
1/2"	PFL8	25
3/4"	PFL12	25



Replacement Gaskets

Part #	Description
855206	Buna-N (standard)
452963	Viton



Locking Key

Part #
855231

- Fits couplings with locking sleeve.



Gauges

Series 10,010



- ASME B40.1, Grade B accuracy (+/- 3-2-3% accuracy)
- ABS Plastic case
- C-shaped Bronze safety bourdon tube (600 PSI and lower)
- Helical wound Bronze safety bourdon tube (1000 PSI and higher)
- Polycarbonate crystal
- Black aluminum pointer
- Brass movement with polyester segment designed for extended wear
- Ambient temperature range of -40°F to +150°F

2" FACE

1/4" Lower Mount

PSI	Part #
0-15	GL100
0-30	GL115
0-60	GL120
0-100	GL125
0-160	GL130
0-200	GL135
0-300	GL140

LIQUID FILLED GAUGE

LIQUID FILLED GAUGES WITH STAINLESS STEEL & ABS CASES ARE USED IN MANY INDUSTRIAL APPLICATIONS.

STAINLESS CASE

2 1/2" FACE

1/4" Lower Mount

PSI	Part #
0-15	GLS400
0-30	GLS405
0-60	GLS410
0-100	GLS415
0-160	GLS417
0-200	GLS420
0-300	GLS425
0-400	GLS427
0-600	GLS430
0-1000	GLS435
0-1500	GLS440
0-2000	GLS445
0-3000	GLS450
0-5000	GLS455

1/4" Center Back Mount

Part #
GLSC400
GLSC405
GLSC410
GLSC415
GLSC417
GLSC420
GLSC425
GLSC427
GLSC430
GLSC435
GLSC440
GLSC445
GLSC450
GLSC455

- ASME B40.1, Grade B (+/- 3-2-3% accuracy)
- Helical wound Bronze bourdon tube (1000 PSI and above)
- White aluminum dial with black numbers and black aluminum pointer
- Brass movement with polyester segment designed for extended wear
- 1/4" NPT brass connection
- Glycerin liquid fill
- Ambient temperature range 0°F to 150°F

ABS CASE

2 1/2" FACE

1/4" Lower Mount

PSI	Part #
0-15	GLP500
0-30	GLP505
0-60	GLP510
0-100	GLP515
0-160	GLP517
0-200	GLP520
0-300	GLP525
0-400	GLP527
0-600	GLP530
0-1000	GLP535
0-1500	GLP540
0-2000	GLP545
0-3000	GLP550
0-5000	GLP555



Specifically designed for the Chemical and Petroleum processing industries, these Process Gauges are engineered to deliver years of accurate service while withstanding vibration, corrosive media, corrosive atmosphere and a wide range of temperatures (Ambient temperature range: Dry, -40°F to 150°F).

Case: Fiberglass reinforced black thermoplastic.

Ring: Threaded black thermoplastic.

Wetted Parts: Copper alloy on PGB's & PGBL's; 316 Stain. Steel on PGS's.

Window: Acrylic.

Dial: White aluminum.

Pointer: Black aluminum.

Accuracy: +/- 0.5% of span.

SME B40.1 Grade 2A.

Scale: Single scale PSI.



BRASS

4 1/2" Face

1/4" Lower Mount

PSI	Part #
0-15	PGB15
0-30	PGB30
0-60	PGB60
0-100	PGB100
0-160	PGB160
0-200	PGB200
0-300	PGB300
0-400	PGB400
0-600	PGB600
0-1000	PGB1000
0-2000	
0-3000	
0-5000	

BRASS

4 1/2" Face

1/2" Lower Mount

Part #
PGBL15
PGBL100
PGBL1000

STAINLESS STEEL

4 1/2" Face

1/2" Lower Mount

Part #
PGS15
PGS30
PGS60
PGS100
PGS160
PGS200
PGS300
PGS400
PGS600
PGS1000
PGS2000
PGS3000
PGS5000

SERIES I FILTER/REGULATORS

Series 10,000

EXCELON SERIES 1/4" BASIC - TRANSPARENT BOWL

Size	Part #	SCFM
1/4"	B72G-2AG	50
3/8"	B72G-3AG	50

Size	Part #	SCFM
1/4"	B72G-2MG	50
3/8"	B72G-3MG	50



EXCELON SERIES 1/4" BASIC - METAL BOWL with SIGHT GLASS

Size	Part #	SCFM
1/4"	B72G-2AG-MB	50
3/8"	B72G-3AG-MB	50

Size	Part #	SCFM
1/4"	B72G-2MG-MB	50
3/8"	B72G-3MG-MB	50



Modern styling features in-line or modular installation, quick-release bayonet bowl and high visibility prismatic lens liquid level indicator, 40 micron filter element standard. Particle removal per ISO 8573-1, Class 5 and Class 2. Adjustable pressure from 5-150 PSI. 2 OZ. RESERVE. Inlet pressure for transparent bowl is 150 PSI; inlet pressure for metal bowl is 250 PSI maximum. Includes 0-160 PSI gauge (GC620).

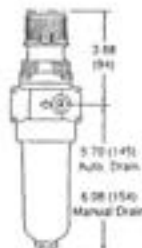
3/8" BASIC - TRANSPARENT BOWL

AUTOMATIC

Size	Part #	SCFM
1/4"	B08-221AG	50
3/8"	B08-321AG	65
1/2"	B08-421AG	70

MANUAL

Size	Part #	SCFM
1/4"	B08-221MG	50
3/8"	B08-321MG	65
1/2"	B08-421MG	70



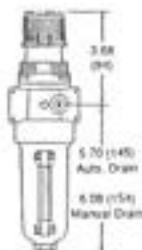
3/8" BASIC - METAL BOWL with SIGHT GLASS

AUTOMATIC

Size	Part #	SCFM
1/4"	B08-297AG-MB	50
3/8"	B08-397AG-MB	65
1/2"	B08-497AG-MB	70

MANUAL

Size	Part #	SCFM
1/4"	B08-297MG-MB	50
3/8"	B08-397MG-MB	65
1/2"	B08-497MG-MB	70



Standard model: 5-150 PSIG adjustable range, relieving type diaphragm, 40-micron filter element, gauge, non-rising adjustment with easily sealed locking to resist tampering.
Other pressure ranges available. 1/3 PINT RESERVOIR.

EXCELON SERIES 1/2" BASIC - TRANSPARENT BOWL with GUARD

AUTOMATIC

Size	Part #	SCFM
1/4"	B12-218AG	63
3/8"	B74G-3AG	105
1/2"	B74G-4AG	150
3/4"	B74G-6AG	150

MANUAL

Size	Part #	SCFM
1/4"	B12-218MG	63
3/8"	B74G-3MG	105
1/2"	B74G-4MG	150
3/4"	B74G-6MG	150



EXCELON SERIES 1/2" BASIC - METAL BOWL with SIGHT GLASS

AUTOMATIC

Size	Part #	SCFM
1/4"	B12-218AG-MB	63
3/8"	B74G-3AG-MB	105
1/2"	B74G-4AG-MB	150
3/4"	B74G-6AG-MB	150

MANUAL

Size	Part #	SCFM
1/4"	B12-218MG-MB	63
3/8"	B74G-3MG-MB	105
1/2"	B74G-4MG-MB	150
3/4"	B74G-6MG-MB	150



Standard model: 5-125 PSIG adjustable range, relieving type diaphragm, 50-micron filter element, gauge, non-rising adjustment with easily sealed locking to resist tampering.
Other pressure ranges available. 1/2 PINT RESERVOIR.

SCFM ratings at 100 PSI inlet pressure



SERIES I REGULATORS

Series 10,000

EXCELCON SERIES 1/4" BASIC



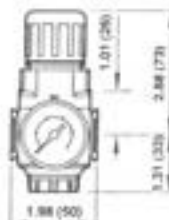
WITH GAUGE

Size	Part #	SCFM
1/4"	<i>R72G-2RG</i>	50
3/8"	<i>R72G-3RG</i>	50

WITHOUT GAUGE

Size	Part #	SCFM
1/4"	<i>R72G-2R</i>	50
3/8"	<i>R72G-3R</i>	50

In-line or modular installation. Full-flow gauge ports. Adjustable 5-150 PSI. Inlet pressure 300 PSI maximum.



3/8" BASIC



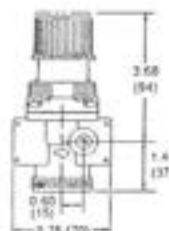
WITH GAUGE

Size	Part #	SCFM
1/4"	<i>R08-200RG</i>	120
3/8"	<i>R08-300RG</i>	120
1/2"	<i>R08-400RG</i>	120

WITHOUT GAUGE

Size	Part #	SCFM
1/4"	<i>R08-200R</i>	120
3/8"	<i>R08-300R</i>	120
1/2"	<i>R08-400R</i>	120

Excellent flow, regulation and response time. Relieving type. Gauge port is full-flow and can be used as an outlet port. Adjustable 5-150 PSI. Inlet pressure 300 PSI maximum.



EXCELCON SERIES 1/2" BASIC



WITH GAUGE

Size	Part #	SCFM
3/8"	<i>R74G-3RG</i>	120
1/2"	<i>R74G-4RG</i>	160
3/4"	<i>R74G-6RG</i>	160

WITHOUT GAUGE

Size	Part #	SCFM
3/8"	<i>R74G-3R</i>	120
1/2"	<i>R74G-4R</i>	160
3/4"	<i>R74G-6R</i>	160

In-line or modular installation. Full-flow gauge ports. Adjustable 5-150 PSI. Inlet pressure 300 PSI maximum.



1" BASIC



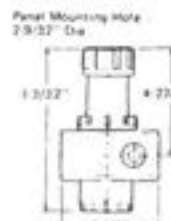
WITH GAUGE

Size	Part #	SCFM
3/4"	<i>R17-600RG</i>	240
1"	<i>R17-800RG</i>	400
1 1/4"	<i>R17-A00RG</i>	400
1 1/2"	<i>R17-B00RG</i>	400

WITHOUT GAUGE

Size	Part #	SCFM
3/4"	<i>R17-600R</i>	240
1"	<i>R17-800R</i>	400
1 1/4"	<i>R17-A00R</i>	400
1 1/2"	<i>R17-B00R</i>	400

Reliable, accurate pressure regulation - high flow capacity full-flow gauge ports. Relieving type. Adjustable 5-125 PSI. Inlet pressure 300 PSI maximum.



2" BASIC



WITH GAUGE

Size	Part #	SCFM
2"	<i>R18-C05RG</i>	2000

WITHOUT GAUGE

Size	Part #	SCFM
2"	<i>R18-C05R</i>	2000

Reliable, accurate pressure regulation - high flow capacity full-flow gauge ports. Relieving type. Adjustable 5-125 PSI. Inlet pressure 450 PSI maximum.

SCFM ratings at 100 PSI inlet pressure.





SERIES I AIRLINE FILTERS

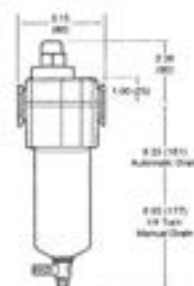
Series 10,000



EXCELRON SERIES 1/2" BASIC - TRANSPARENT BOWL with GUARD AUTOMATIC DRAIN

Size	Part #	SCFM
3/8"	<i>F74G-3A</i>	120
1/2"	<i>F74G-4A</i>	150
3/4"	<i>F74G-6A</i>	185

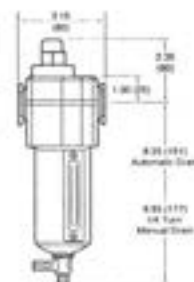
Size	Part #	SCFM
3/8"	<i>F74G-3M</i>	120
1/2"	<i>F74G-4M</i>	150
3/4"	<i>F74G-6M</i>	185



EXCELRON SERIES 1/2" BASIC - METAL BOWL with SIGHT GLASS AUTOMATIC DRAIN

Size	Part #	SCFM
3/8"	<i>F74G-3A-MB</i>	120
1/2"	<i>F74G-4A-MB</i>	150
3/4"	<i>F74G-6A-MB</i>	185

Size	Part #	SCFM
3/8"	<i>F74G-3M-MB</i>	120
1/2"	<i>F74G-4M-MB</i>	150
3/4"	<i>F74G-6M-MB</i>	185



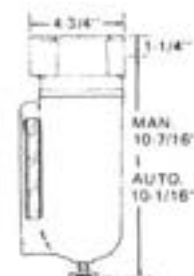
Modern styling features in-line or modular installation, quick-release bayonet bowl and high visibility prismatic lens liquid level indicator. 40-Micron filter element standard. Particle removal per ISO 8573-1, Class 5 and Class 2. 7 OZ. RESERVOIR. Inlet pressure for transparent bowl is 150 PSI; inlet pressure for metal bowl is 250 PSI max.



1" BASIC - METAL BOWL with SIGHT GLASS AUTOMATIC DRAIN

Size	Part #	SCFM
3/4"	<i>F17-600A</i>	345
1"	<i>F17-800A</i>	445
1 1/4"	<i>F17-A00A</i>	445
1 1/2"	<i>F17-B00A</i>	445

Size	Part #	SCFM
3/4"	<i>F17-600M</i>	345
1"	<i>F17-800M</i>	445
1 1/4"	<i>F17-A00M</i>	445
1 1/2"	<i>F17-B00M</i>	445



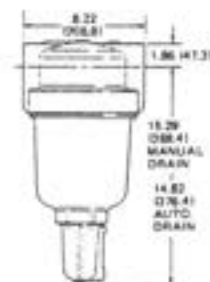
General purpose with low pressure drop and excellent water characteristics. Metal bowl with sight glass. 50-Micron element standard. ONE QUART RESERVOIR. Inlet pressure is 250 PSI max.



2" BASIC - METAL BOWL with SIGHT GLASS AUTOMATIC DRAIN

Size	Part #	SCFM
2"	<i>F18-C00A</i>	1300

Size	Part #	SCFM
2"	<i>F18-C00M</i>	1300



High rate of flow with low pressure drop and good liquid extraction. TWO GALLON METAL BOWL with sight glass and 50-micron element standard. Inlet pressure is 250 PSI max.

SCFM ratings at 100 PSI inlet pressure.



SERIES I AIRLINE FILTERS

Dixon FRL's are rugged and long lasting. Units may be purchased assembled or individually. Please consult Dixon for special service on these and all hose fittings.

Series 10,000

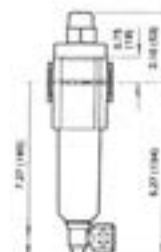
EXCELON SERIES 1/4" BASIC - TRANSPARENT BOWL

AUTOMATIC DRAIN

Size	Part #	SCFM
1/4"	F72G-2A	50
3/8"	F72G-3A	50

MANUAL DRAIN

Size	Part #	SCFM
1/4"	F72G-2M	50
3/8"	F72G-3M	50



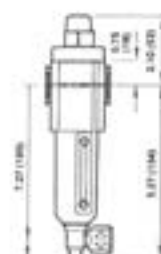
EXCELON SERIES 1/4" BASIC - METAL BOWL with SIGHT GLASS

AUTOMATIC DRAIN

Size	Part #	SCFM
1/4"	F72G-2A-MB	50
3/8"	F72G-3A-MB	50

MANUAL DRAIN

Size	Part #	SCFM
1/4"	F72G-2M-MB	50
3/8"	F72G-3M-MB	50



Modern styling features in-line or modular installation, quick-release bayonet bowl and high visibility prismatic lens liquid level indicator. 40-Micron filter element standard. Particle removal per ISO 8573-1, Class 5 and Class 2. 2 OZ. RESERVOIR. Inlet pressure for transparent bowl is 150 PSI; inlet pressure for metal bowl is 250 PSI max.

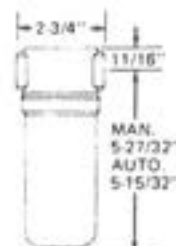
3/8" BASIC - TRANSPARENT BOWL

AUTOMATIC DRAIN

Size	Part #	SCFM
1/4"	F08-200A	50
3/8"	F08-300A	65
1/2"	F08-400A	70

MANUAL DRAIN

Size	Part #	SCFM
1/4"	F08-200M	50
3/8"	F08-300M	65
1/2"	F08-400M	70



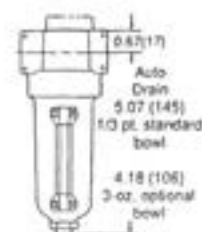
3/8" BASIC - METAL BOWL with SIGHT GLASS

AUTOMATIC DRAIN

Size	Part #	SCFM
1/4"	F08-200A-MB	50
3/8"	F08-300A-MB	65
1/2"	F08-400A-MB	70

MANUAL DRAIN

Size	Part #	SCFM
1/4"	F08-200M-MB	50
3/8"	F08-300M-MB	65
1/2"	F08-400M-MB	70



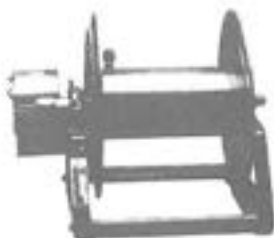
Compact and modern styling gives outstanding filtration performance. 40-Micron element standard. 1/3 PINT RESERVOIR. Inlet pressure for transparent bowl is 150 PSI max.; inlet pressure for metal bowl is 250 PSI max.

SCFM ratings at 100 PSI inlet pressure.



Hose reels.

Whether you need a hose reel to handle gases or liquids, Hannay is sure to have a reel that's right for your application. Our line of hose reels is designed to help you efficiently manage any job in or around the plant, from gas welding to washdown to lubricating and hundreds of other applications.



Series 1500. Power rewind reel that handles up to 1000 feet of $\frac{1}{2}$ " hose and 500 feet of $\frac{3}{4}$ " hose. Pressures to 1000 psi.



Series 1800. Power rewind available on this reel that handles up to 500 feet of $\frac{1}{2}$ " hose and 230 feet of $\frac{3}{4}$ " hose. Pressures to 1000 psi.



Series 4000. Handles up to 450 feet of $\frac{1}{2}$ " hose, 175 feet of $\frac{3}{4}$ " hose, and 90 feet of 1" hose. Pressures to 1000 psi.



Series 10,400

AT 1200. Portable hose reel that handles up to 375 feet of $\frac{1}{2}$ " I.D. hose and up to 900 feet of 1" I.D. hose. Operates at pressures up to 1000 psi.



Series 6000. Large capacity power rewind reel that handles up to 1600 feet of $\frac{1}{2}$ " hose; 800 feet of $\frac{3}{4}$ " hose; and up to 500 feet of 1" hose. Pressures to 1000 psi.



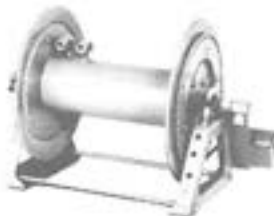
Series 7500. Handles from 600 feet of 1" hose, 370 feet of $1\frac{1}{4}$ " hose, and 280 feet of $1\frac{1}{2}$ " hose. Pressures to 600 psi.



Series 8000. Handles to 340 feet of $1\frac{1}{2}$ " hose, 225 feet of 2" hose. Pressures to 600 psi.



Series 600. Spring rewind dual hose reel that handles two lengths of the same diameter or different diameter hoses. Pressures to 1000 psi.



Series 2000. Manual or power rewind dual hose reel. Handles to 550 feet of two $\frac{1}{4}$ " hoses; 400 feet of two $\frac{3}{8}$ " hoses; and 275 feet of two $\frac{1}{2}$ " hoses. Pressures to 1000 psi.



Series 7000/7100. Manual or power rewind dual hose reel. Series 7000 handles up to 225 feet of two $\frac{1}{4}$ " hoses and 115 feet of two 1" hoses. Series 7200 handles up to 90 feet of two $1\frac{1}{2}$ " hoses.



Series 700/800/900. Spring rewind reel that handles to 150 feet of $\frac{1}{2}$ " hose, 110 feet of $\frac{3}{4}$ " hose, 120 feet of 1" hose, and up to 90 feet of $1\frac{1}{2}$ " hose. The 900 series has pressures up to 600 psi. The 700/800 series has pressures up to 1000 psi.



Series N500. Spring rewind reel with J-spring that comes in a narrow frame. Handles up to 80 feet of $\frac{1}{4}$ " hose and 95 feet of $\frac{3}{8}$ " hose. Pressures to 10,000 psi.



Series 3000/3500. Manual rewind reels that handle $\frac{1}{4}$ ", 1", and $1\frac{1}{2}$ " hose. Handles pressures to 1000 psi. Reels are equipped with a spring-actuated pin lock.

Custom-designed reels. When a specific application requires a custom reel, we offer design and manufacturing expertise unique in the field and will work with you to develop the best reel for the job.



We stock a complete line of hose reels. Call or write for more information



Series 10,400

Store & Dispense Hoses Neatly, Efficiently

Spring Retractable Hose Reels with Hose

Labor Saving Hose Reels help prevent tripping accidents and injury by keeping hoses off the floor.

All-Welded Solid Steel Reel Construction with heavy duty bracket to help counteract hose pull. Special decoupling spring arbor prevents spring damage due to reverse winding of spool.

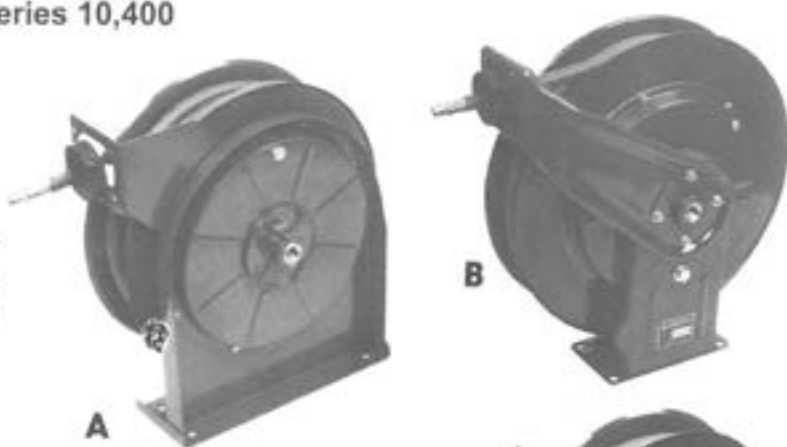
Heavy-duty brackets eliminate bending due to angular hose pull.

Weatherproof gasketed spring motor assures maximum service life.

Positive Latch maintains desired hose length.

Withstands temperatures up to 210°F.

Guide Arm Field Adjustable for wall, floor, ceiling or truck mounting.



Stock No. With Hose	Hose Size I.D.	P.S.I.	Application	Overall W x H x L	Wt. lbs.	Price	Fig.
4425-CLP	25' 1/2"	300	Air/Water	5 1/2" x 12 1/2" x 12 1/2"	20	A	A
4435-CLP	35' 1/2"	300	Air/Water	5 1/2" x 12 1/2" x 12 1/2"	22	A	A
4425-CLP	25' 1/2"	300	Air/Water	5 1/2" x 12 1/2" x 12 1/2"	22	A	A
5435-CLP	35' 1/2"	300	Air/Water	6 x 14 1/2" x 13 1/2"	28	A	A
5450-CLP	50' 1/2"	300	Air/Water	6 x 17 1/2" x 16 1/2"	40	A	A
5430-CMP	30' 1/2"	2250	H.P. Wash/ Oil/Service Fluids	6 x 14 1/2" x 13 1/2"	33	A	A
5430-CHP	30' 1/2"	5000	Grease	6 x 14 1/2" x 13 1/2"	34	A	A
7430-CLP	75' 1/2"	300	Air/Water	7 x 20 1/2" x 19	57	B	B
7450-CLP	50' 1/2"	300	Air/Water	7 x 20 1/2" x 19	57	B	B
7450-CMP	50' 1/2"	2000	H.P. Wash/ Oil/Service Fluids	7 x 20 1/2" x 19	61	B	B
7450-CHP	50' 1/2"	4000	Grease	7 x 20 1/2" x 19	65	B	B
7425-CLP	25' 1/2"	300	Air/Water	7 x 20 1/2" x 19	59	B	B

Stainless Steel Hose Reels Less Hose

Stainless steel hose reels are ideal for low-pressure general air, water, solvent and chemical transfer applications in food processing, pre rinse, washdown, chemical transfer, and industrial solvent handling markets. Also suitable for off-shore and on-board marine applications where the harsh environment of salt spray requires the use of stainless steel hose reels.

The electrolytic polishing process gives a lustrous mirror-like finish while providing protection against corrosion and contamination.

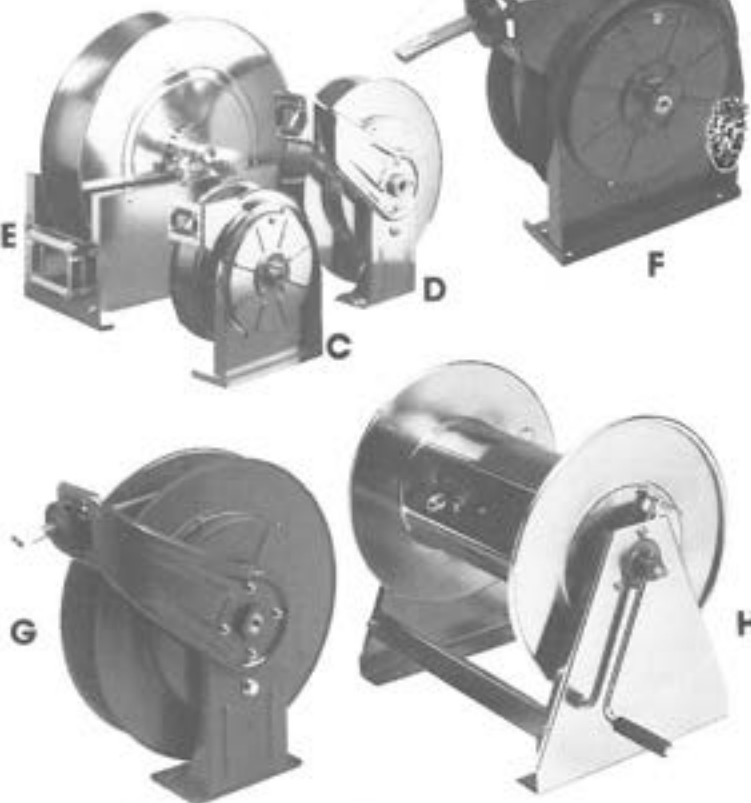
Complete with stainless steel swivel and main shaft. Units are available in 1/2", 3/4", and 1" inlet sizes. Hose and bumper not included.

Stock No. Less Hose	Hose Size I.D.	P.S.I.	Application	Overall W x H x L	Wt. lbs.	Price	Fig.
5400-CLS	35' 1/2"	500	Chemical/Water	6 x 14 1/2" x 13 1/2"	26	C	C
5400-CMS	35' 1/2"	3000	H.P. Wash	6 x 14 1/2" x 13 1/2"	26	C	C
7400-CLS	50' 1/2"	500	Chemical/Water	7 x 20 1/2" x 19	46	D	D
7400-CMS	50' 1/2"	3000	H.P. Wash	7 x 20 1/2" x 19	46	D	D
9300-CLS	75' 1/2"	500	Chemical/Water	11 1/2" x 26 1/2" x 26 1/2"	115	E	E
9300-CMS	50' 1/2"	3000	H.P. Wash	11 1/2" x 26 1/2" x 26 1/2"	115	E	E
H18000M	200' 1/2"	3000	Chemical/Water H.P. Wash	12 1/2" x 19 x 20	33	H	H

Dual Hose Reels for Oxygen Acetylene & Dual Hydraulic Applications

Oxygen/Acetylene Hose Reels are UL listed for use with welding equipment. Oxygen line and gas line have separate input connections to provide added safety. No chance for the two gases to mix. Twin-line hoses meet R.M.A. and C.G.A. Type V.D. grade R specifications for flame resistance and burst strength.

Stock No. With Hose	Hose Size I.D.	P.S.I.	Application	Overall W x H x L	Wt. lbs.	Price	Fig.
7W425-CLP	25' 1/2"	200	Oxy./Acetylene	6 x 14 1/2" x 13 1/2"	33	F	F
7W450-CLP	50' 1/2"	200	Oxy./Acetylene	7 x 20 1/2" x 19	57	G	G
FOLLOWING MODELS LESS HOSE							
7W400-CMP	50' 1/2"	3000	Twin Hydraulic	7 x 20 1/2" x 19	47	G	G
7W400-CMP	30' 1/2"	3000	Twin Hydraulic	7 x 20 1/2" x 19	47	G	G



Hand Crank Reels — Less Hose

Heavy Duty Hand Crank Reel is designed for manually retracting and storing up to 450 feet of 1/2" or 3/4" air, water or material hose. Handles maximum hose of 1/2" I.D. and 1.188 O.D. Hose not included.

Heavy Gauge Steel Components with unified, reinforced spool that easily coils heavy hose.

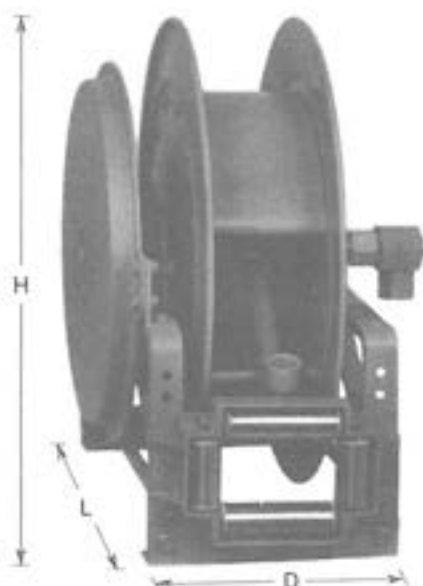
Adjustable Spool Rotation Drag eliminates backwash when dereeling hose, while spool lock pin prevents spool rotation when not in use.

Full Flow Rotary Swivels allows permanent attachment to supply line. Also features vibration proof fasteners and four main bearing supports.

Stock No.	I.D.	1/2"	3/4"	1"	P.S.I.	Application	Overall W x H x L	Wt.	Price	Fig.
H18000	425	300	200	—	1000	H.P. Cleaning/ Pest Control	12 1/2" x 19 x 20	32		H
H28000	425	450	300	—	1000	H.P. Cleaning/ Pest Control	18 1/2" x 19 x 20	34		H
H19000	425	300	200	100	1000	Air/Water	12 1/2" x 19 x 20	33		H
H29000	425	450	300	150	1000	Air/Water	18 1/2" x 19 x 20	35		H



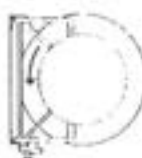
Series 10,400



POSITION SR

Used when reel is installed:

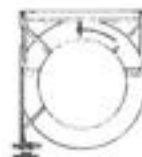
- In the upright position at any point from floor to eye level.
- On a wall with hose to be retracted close to the wall.
- On ceiling with hose payout parallel to and close to the ceiling.



POSITION VR

Used when reel is installed:

- In the upright position and hose will be pulled upward from the reel.
- On ceiling to lift hose.
- On a wall with hose to be pulled straight out.



POSITION TR

Used when reel is installed:

- On floor
- On ceiling with hose to payout parallel to the ceiling



Series 800

Automatic Hose Reels

Unsnarling your washdown hose can cause costly delays! Our automatic reel has a powerful spring to keep the hose right where you want it. Mounts almost anywhere: overhead, on the wall, in a cabinet. What's more, a hose reel eliminates a trip hazard and protects hose from excess wear and tear. Standard models accept 1/2" through 1" i.d. hose. Inlet and outlet thread: 1" female IPT. Can handle fluids from -20° to 225°F. Pressures to 1000 psi. Silver enamel finish. Specify position **SR**, **VR** or **TR** (see illustration) when ordering. FOB factory. Where space allows, select a reel with greater capacity than needed. Less care will be needed to rewind the hose and the next size reel will generally cost no more. Use of hose stop **HS-45** below is recommended.

Model No.	Hose Capacity			Reel Dimensions			Wt/Unit
	I.D. 1/2" O.D. 7/8"	3/4" 1-9/32"	1" 1-9/16"	L	D	H	
816-16-17C	35'	25'	9'	19 1/4"	16 1/2"	17 3/8"	85#
816-19-20J	50'	30'	15'	19 1/4"	14 1/2"	19 1/4"	85#
816-23-24J	50'	45'	20'	25"	14 1/2"	23 1/4"	110#
818-23-24B	80'	35'	25'	24 1/2"	16 1/2"	23 1/4"	115#
816-25-26B	60'	60'	30'	26 1/4"	14 1/2"	25 1/4"	125#
818-25-26B	60'	70'	50'	26 1/4"	16 1/2"	25 1/4"	126#
820-25-26B	80'	90'	45'	26 1/4"	18 1/2"	25 1/4"	154#
817-30-31A	115'	85'	65'	29 1/4"	16 1/4"	31 1/2"	149#
820-30-31A	100'	110'	100'	29 1/4"	19 1/4"	31 1/2"	162#
822-30-31A	100'	110'	120'	29 1/4"	21 1/4"	31 1/2"	175#

- **Options:** Higher temperature and pressure ratings.
All-stainless exterior construction.
Narrow frame for tight spaces.
Other series include reels for air hose, welding hose or electric cable, portable reels, truck mount reels, electric reels, and manual reels. Virtually any application!



HOW TO ORDER

Custom
Hose Reels

Specify:

- | | | | |
|---|--------------------------------------|---|---|
| 1 | Product to be handled. | 5 | Size and thread of outlet. |
| 2 | Temperature and pressure of product. | 6 | Color. |
| 3 | I.D., O.D. and length of hose. | 7 | Hose stop and other optional accessories. |
| 4 | Position: SR, VR or TR | 8 | Manufacturer model number, if known. |

--- REPLACEMENT PARTS ---

Description	Wt/Unit	Sold By
Barco swivel joint, 1 in.	2.0#	EACH
Repair kit for swivel joint	1.0#	EACH

HS-45 Hose Stops

Optional, but recommended. Two-piece molded plastic spheres, easily assembled. #295-1049 is custom drilled to fit hose size you specify. Series 800 reels call for HS-45. 4 1/2" o.d.

Description	Wt/Unit	Sold By
Hose stop for 1 1/4" o.d. hose	1.3#	EACH
Hose stop, specify hose o.d.	1.3#	EACH





FOSTER
MANUFACTURING COMPANY

1/8" One Way Shut-Off 2 Series

Series 2246

See Specifications
& Performance Data

PLUGS



SOCKETS



MANUAL

CAT. NO.

CAT. NO.

FEMALE THREAD

1/8 FPT
1/4 FPT

23-2
27-2



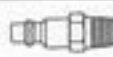
2302
2702



MALE THREAD

1/8 MPT
1/4 MPT

22-2
24-2



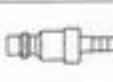
2202
2402



HOSE STEM (Require Hose Clamps)

1/8 I.D.
3/16 I.D.
1/4 I.D.

02-2
03-2
04-2



2022
2032
2042



SELF STORING AIR HOSE

1/4 I.D.

1502



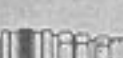
REUSABLE HOSE CLAMP

ID OD
3/16 x 3/8
3/16 x 7/16
3/16 x 15/32
3/16 x 1/2
1/4 x 1/2
1/4 x 9/16
1/4 x 5/8
1/4 x 11/16

P83-2
P85-2
P87-2
P89-2



SAA-2
SAO-2
SA1-2
SA3-2



PLASTIC & METAL TUBING

.170 x 1/4 Plastic
1/4 Soft Metal

PJ8-2
PJ8-2M



SJ8-2
SJ8-2M



PANEL MOUNT (Max. Panel Thickness 3/4")

.170 x 1/4 Plastic
1/4 Soft Metal

SJ8P-2
SJ8P-2M



VALVE CORE (Brass)

.170 x 1/4 Plastic
1/4 Soft Metal

PJ8-2V
PJ8-2VM



FEATURES

- High flow capability for small coupler
- Only 5/8" diameter
- Socket weighs 1 oz.
- Precision leak-proof seal
- Positive locking mechanism

SERIES 2
PLUG
ACTUAL SIZE

SERIES 2
MANUAL
SOCKET
ACTUAL SIZE

- Available in Brass - Suffix B
- Available in 303 Stainless - Suffix S/S



**INDUSTRIAL
INTERCHANGE**

See Specifications
& Performance Data

FOSTER
MANUFACTURING COMPANY

1/4" One Way Shut-Off 3 Series

Series 2246

PLUGS



SOCKETS



MANUAL



AUTOMATIC
COMPLIES WITH MIL-C-4129F



SAFETY

FEMALE THREAD

CAT. NO.	
13-3	1/8 FPT
11-3	1/4 FPT
15-3	3/8 FPT

CAT. NO.	
2803	1/8 FPT
3003	1/4 FPT
3203	3/8 FPT

CAT. NO.	
FM2803	1/8 FPT
FM3003	1/4 FPT
FM3203	3/8 FPT

CAT. NO.	
SV3003	1/4 FPT
SV3203	3/8 FPT

MALE THREAD

CAT. NO.	
12-3	1/8 MPT
10-3	1/4 MPT
14-3	3/8 MPT

CAT. NO.	
2903	1/8 MPT
3103	1/4 MPT
3303	3/8 MPT

CAT. NO.	
FM2903	1/8 MPT
FM3103	1/4 MPT
FM3303	3/8 MPT

CAT. NO.	
SV3103	1/4 MPT
SV3303	3/8 MPT

HOSE STEM (Require Hose Clamps)

CAT. NO.	
16-3	1/4 I.D.
165-3	5/16 I.D.
17-3	3/8 I.D.

CAT. NO.	
3603	1/4 I.D.
3653	5/16 I.D.
3703	3/8 I.D.

CAT. NO.	
FM3603	1/4 I.D.
FM3653	5/16 I.D.
FM3703	3/8 I.D.

CAT. NO.	
SV3603	1/4 I.D.
SV3703	3/8 I.D.

PUSH-ON HOSE STEM

CAT. NO.	
51-3	1/4 I.D.
71-3	3/8 I.D.

CAT. NO.	
1513	1/4 I.D.
1713	3/8 I.D.

CAT. NO.	
FM1513	1/4 I.D.
FM1713	3/8 I.D.

REUSABLE HOSE CLAMP

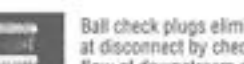
ID	OD	CAT. NO.
3/16	3/8	PAA-3
3/16	7/16	PAO-3
3/16	15/32	PA1-3
3/16	1/2	PA3-3
1/4	1/2	PB3-3
1/4	9/16	PB5-3
1/4	5/8	PB7-3
1/4	11/16	PB9-3
5/16	9/16	PC5-3
5/16	5/8	PC7-3
5/16	11/16	PC9-3
3/8	5/8	PD7-3
3/8	11/16	PD9-3
3/8	3/4	PD11-3
3/8	13/16	PD13-3

CAT. NO.	
SAA-3	3/16 x 3/8
SAO-3	3/16 x 7/16
SA1-3	3/16 x 15/32
SA3-3	3/16 x 1/2
SB3-3	1/4 x 1/2
SB5-3	1/4 x 9/16
SB7-3	1/4 x 5/8
SB9-3	1/4 x 11/16
SC5-3	5/16 x 9/16
SC7-3	5/16 x 5/8
SC9-3	5/16 x 11/16
SD7-3	3/8 x 5/8
SD9-3	3/8 x 11/16
SD11-3	3/8 x 3/4
SD13-3	3/8 x 13/16

CAT. NO.	
FMSAA-3	3/16 x 3/8
FMSAO-3	3/16 x 7/16
FMSA1-3	3/16 x 15/32
FMSA3-3	3/16 x 1/2
FMSB3-3	1/4 x 1/2
FMSB5-3	1/4 x 9/16
FMSB7-3	1/4 x 5/8
FMSB9-3	1/4 x 11/16
FMSC5-3	5/16 x 9/16
FMSC7-3	5/16 x 5/8
FMSC9-3	5/16 x 11/16
FMSD7-3	3/8 x 5/8
FMSD9-3	3/8 x 11/16
FMSD11-3	3/8 x 3/4
FMSD13-3	3/8 x 13/16

BALL CHECK

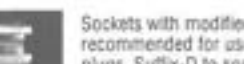
CAT. NO.	
10-3G	1/4 MPT
14-3G	3/8 MPT



Ball check plugs eliminate hose whip at disconnect by checking the rapid flow of downstream exhaust air.

VALVE CORE

CAT. NO.	
10-3D	1/4 MPT



Sockets with modified valves are recommended for use with valve core plugs. Suffix-D to socket Cat. No.

SWIVEL (Free Swivel Under Pressure)

CAT. NO.	
10S-3	1/4 MPT



■ Available In Brass - Suffix B
● Available In 303 Stainless - Suffix S/S
★ Available With SleeveGuard - Prefix SG





**INDUSTRIAL
INTERCHANGE**

See Specifications
& Performance Data

3/8" One Way Shut-Off 4 Series

Series 2246

PLUGS



SOCKETS



MANUAL



AUTOMATIC



SAFETY

FEMALE THREAD		CAT. NO.		CAT. NO.		CAT. NO.		CAT. NO.	
1/8 FPT	41-4			4004		FM4004		SV4004	
3/8 FPT	43-4			4204		FM4204		SV4204	
3/8 FPT	45-4			4404		FM4404		SV4404	
MALE THREAD									
1/8 MPT	38-4			4104		FM4104		SV4104	
1/4 MPT	40-4			4304		FM4304		SV4304	
3/8 MPT	42-4			4504		FM4504		SV4504	
1/2 MPT	44-4								
HOSE STEM (Require Hose Clamps)									
1/4 I.D.	46-4			4604		FM4604			
5/16 I.D.	47-4			4704		FM4704			
3/8 I.D.	48-4			4804		FM4804		SV4804	
1/2 I.D.	49-4			4904		FM4904		SV4904	
PUSH-ON HOSE STEM									
1/4 I.D.	51-4			1714		FM1714			
3/8 I.D.	71-4			1814		FM1814			
1/2 I.D.	81-4								
SELF-STORING AIR HOSE									
3/8 I.D.	7-4			1704		FM1704			
REUSABLE HOSE CLAMP									
ID	OO								
1/4 x 1/2	PB3-4			SB3-4		FMSB3-4			
1/4 x 9/16	PB5-4			SB5-4		FMSB5-4			
1/4 x 5/8	PB7-4			SB7-4		FMSB7-4			
1/4 x 11/16	PB9-4			SB9-4		FMSB9-4			
3/8 x 5/8	PD7-4			SD7-4		FMSD7-4			
3/8 x 11/16	PD9-4			SD9-4		FMSD9-4			
3/8 x 3/4	PD11-4			SD11-4		FMSD11-4			
3/8 x 13/16	PD13-4			SD13-4		FMSD13-4			

SERIES 4
SOCKET
ACTUAL SIZE

SERIES 4
PLUG
ACTUAL SIZE

SWIVEL (Free Swivel Under Pressure)

3/8 MPT	42S-4	
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■ Available in Brass - Suffix B

PROTECTIVE COVER FOR SAFETY SERIES COUPLERS

- Superior cushioning effect of Plastisol cover provides better protection for auto, motorcycle, marine, & appliance finishes.
- Flexible protective cover allows normal coupling operation while reducing the entry of contaminants in dirty environments.
- Standard SV couplers with protective covers are less expensive than competitive hard plastic models, plus they eliminate the need to stock both standard and plastic bodied couplers.

MODEL NO.	APPLICATION	COLOR
SV3-PC	"SV3" Sockets	Red
SV4-PC	"SV4" Sockets	Blue
SV5-PC	"SV5" Sockets	Yellow





**INDUSTRIAL
INTERCHANGE**

See Specifications
& Performance Data

FOSTER
MANUFACTURING COMPANY

1/2" One Way Shut-Off 5 Series

Series 2246

PLUGS



SOCKETS



MANUAL



AUTOMATIC
COMPLIES WITH MIL-C-1100F



SAFETY

FEMALE THREAD	CAT. NO.		CAT. NO.		CAT. NO.		CAT. NO.	
1/4 FPT	53-5		4015		FM4015		SV5005	
3/8 FPT	55-5		5005		FM5005		SV5205 *	
1/2 FPT	57-5		5205		FM5205		SV5405	
3/4 FPT			5405		FM5405			
MALE THREAD								
1/4 MPT	50-5		4905		FM4905		SV5105	
3/8 MPT	52-5		5105		FM5105		SV5305 *	
1/2 MPT	54-5 *		5305		FM5305		SV5505 *	
3/4 MPT	56-5		5505		FM5505			
HOSE STEM (Require Hose Clamps)								
1/4 I.D.			5605		FM5605		SV5705	
3/8 I.D.	59-5		5705		FM5705		SV5805	
1/2 I.D.	60-5		5805		FM5805		SV5905	
3/4 I.D.	61-5		5905		FM5905			
PUSH-ON HOSE STEM								
3/8 I.D.	71-5		1715		FM1715			
1/2 I.D.	81-5		1815		FM1815			
SELF-STORING AIR HOSE								
1/2 I.D.	8-5		1805		FM1805			
REUSABLE HOSE CLAMP								
ID x OD								
1/4 x 1/2	PB3-5							
1/4 x 9/16	PB5-5							
1/4 x 5/8	PB7-5							
1/4 x 11/16	PB9-5							
3/8 x 5/8	PD7-5		SD7-5		FM5D7-5			
3/8 x 11/16	PD9-5		SD9-5		FM5D9-5			
3/8 x 3/4	PD11-5		SD11-5		FM5D11-5			
3/8 x 13/16	PD13-5		SD13-5		FM5D13-5			
1/2 x 13/16	PP13-5		SP13-5		FM5P13-5			
1/2 x 7/8	PP15-5		SP15-5		FM5P15-5			
1/2 x 15/16	PP17-5		SP17-5		FM5P17-5			
1/2 x 1	PP19-5		SP19-5		FM5P19-5			

SERIES 5
SOCKET
ACTUAL SIZE

SERIES 5
PLUG
ACTUAL SIZE

BALL CHECK

1/2 MPT 54-5G ■
1/2 I.D. Hose 60-5G ■

SWIVEL (Free Swivel Under Pressure)

1/2 MPT 54S-5

CO-AXIAL COUPLERS



★ Available in Co-Axial, Suffix CA to Cat. No.

■ Available in Brass - Suffix B

Safety sockets and plugs marked ★ above are available with co-axial tube for use on single point injection lubrication systems, Suffix CA to catalog No.



**INDUSTRIAL
INTERCHANGE**

See Specifications &
Performance Data

FOSTER
MANUFACTURING COMPANY

3/4" One Way Shut-Off 6 Series

Series 2246

PLUGS



SOCKETS



AUTOMATIC



SAFETY



FEMALE THREAD

	CAT. NO.		CAT. NO.		CAT. NO.
1/2 FPT	65-6		FM6206		SV6406 *
3/4 FPT	67-6		FM6406		SV6606
1" FPT	69-6		FM6606		

MALE THREAD

1/2 MPT	64-6 *		FM6306		SV6506 *
3/4 MPT	66-6 *		FM6506		SV6706
1" MPT	68-6		FM6706		

HOSE STEM (Require Hose Clamps)

1/2 I.D.	70-6		FM6806		SV6906
3/4 I.D.	71-6		FM6906		
1" I.D.	72-6		FM7006		

* Available co-axial (see page 6) - Suffix CA to Cat. No.

FULL SIZE LAYOUTS - SERIES 2, 3, 4, 5, & 6

SERIES 2
PLUG
ACTUAL SIZE

SERIES 3
PLUG
ACTUAL SIZE

SERIES 4
PLUG
ACTUAL SIZE

SERIES 5
PLUG
ACTUAL SIZE

SERIES 6
PLUG
ACTUAL SIZE

SERIES 2
MANUAL
SOCKET
ACTUAL SIZE

SERIES 3
AUTOMATIC
SOCKET
ACTUAL SIZE

SERIES 4
AUTOMATIC
SOCKET
ACTUAL SIZE

SERIES 5
AUTOMATIC
SOCKET
ACTUAL SIZE

SERIES 6
AUTOMATIC
SOCKET
ACTUAL SIZE



Specifications 2,3,4,5, & 6 Series

Series 2246



FOSTER
MANUFACTURING COMPANY

TYPE

ONE WAY SHUT-OFF – Socket is valved, shutting off supply line at disconnect. Plug is unvalved, exhausting downstream line at disconnect. Install socket on pressure side of line.

INTERCHANGEABILITY

Standard industrial interchange design, most widely used in industry. 3 and 5 Series Automatic water service comply with MIL-C-4109F.

OPERATION

Manual, Automatic, & Safety

WORKING PRESSURE

300 PSIG; Vacuum to 26"Hg (connected)

PERFORMANCE DATA

FLOW

	AIR FLOW – CFM 100 PSIG 80 PSIG PRESSURE DROP				WATER FLOW GPM – 60 PSIG PRESSURE DROP	
	10 PSIG	5 PSIG	10 PSIG	5 PSIG	10 PSIG	5 PSIG
2 Series	16	12	14	11	1.8	1.2
3 Series	36	26	33	24	3.7	2.5
4 Series	68	50	62	45	6.8	5
5 Series	118	90	107	82	11	8
6 Series	190	135	172	122	22	16

FEATURES

MANUAL – Lowest cost, general purpose coupler • Positive locking mechanism • 65% more ball retention • Precision leakproof seal • Heavy steel sleeve.

AUTOMATIC – Long wearing pin type locking mechanism with greater plug contact • One piece sleeve with rear crimp • Precision leakproof seal • One hand operation.

SAFETY – 100% safety • Connect and disconnect at "0" pressure • Plug is securely locked before air is turned on • Downstream line is exhausted before plug is released, completely eliminating hose whip • Tested to 100,000 operations with no leakage • Special lubrication eliminates dry breakaway • Can be used as 3-Way on-off valve without disconnecting.

OPTIONS

BL – Locks manual socket against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve. **TO ORDER, PREFIX BL TO SOCKET NUMBER.**

SL – Locks automatic socket against accidental disconnect. To connect, align notch with slot. After connection, rotate sleeve to lock. To disconnect, realign notch with slot and retract sleeve. Available FM 3,4,5 Series. **TO ORDER, CHANGE FM PREFIX TO SL.**

BALL CHECK PLUG – Eliminates hose whip at disconnect by checking the rapid flow of downstream exhaust air.

SWIVEL PLUGS – Free swivel under pressure. Eliminates hose twist on end drop applications such as blow guns, air tools, etc.



APPLICATION & ORDERING INFORMATION

SERVICE	CONSTRUCTION	SEAL COMPOUND	TEMPERATURE	TO ORDER
AIR	Brass & Steel	Buna-N	-40° to +225°F	Cat. No.
WATER w/303 S/S Valve	Brass & S/S	Buna-N	32° to +100°F	Suffix W
STEAM	Brass & S/S	Ethylene Propylene	-40° to +325°F	Suffix S
HEAT	Brass & Steel	Viton	-40° to +400°F	Suffix H
GREASE & OIL	Brass & Steel	Buna-N	-40° to +225°F	Cat. No.
VACUUM	Brass & Steel	Buna-N	-40° to +225°F	Cat. No.
LESS VALVE	Brass & Steel	Buna-N	-40° to +225°F	Suffix LV

Note: Temperatures shown are seal compatibility. Consult factory for operational characteristics. Sockets other than standard are color coded: Water (Blue), Steam (Black), and Heat (Red)

REPAIR PARTS

	WASHER Cat. No.	VALVE Cat. No.	SPRING Cat. No.
2 series	W2-2 *	V2-2 *	VS2-2
3 series	W3-3 *	V3-3 *	VS3-3
4 series	W4-4 *	V4-4 *	VS4-4
5 series	W5-5 *	V5-5 *	VS5-5
6 series	W6-6 *	V6-6 *	VS6-6

- * Suffix S for Ethylene Propylene
- * Suffix H for Viton
- * Suffix 104 for Silicone
- * Suffix S/S for 303 S/S for 2 & 3 Series
- * Suffix S/S for 416 S/S for 4, 5, & 6 Series



FOSTER
MANUFACTURING COMPANY

LN Series

Interchange with Lincoln Long Nose

Series 2246

INTERCHANGEABLE COUPLERS FOR NON-STANDARD DESIGNS

As various manufacturers started to offer quick detachable couplers, most of them entered the market with their own design, which was different from their competitors. There was very little interchangeability from one brand to another. Efforts to correct this problem began about 40 years ago with the creation of a military specification (MIL-C-4109) for One Way Shut-Off couplers. This design is now the most commonly used and is referred to as the standard industrial interchange.

Two Way Shut-Off designs are also being standardized, based on ISO dimensions. However, there are still many different Two Way designs, most of which vary by application. Although there is no organizational standard governing the design of Straight-Thru couplers, a standard industrial design (Foster Series FST) has developed from usage.

On the catalog pages following, Foster offers couplers that will interchange with many of these non-standard designs.

TYPE

One Way Shut-Off

OPERATION

Manual or automatic, as indicated in socket columns.

WORKING PRESSURE

300 PSIG



— PLUGS —



— SOCKETS —



AUTOMATIC

CAT. NO.	LINCOLN NO.	CAT. NO.	LINCOLN NO.
----------	-------------	----------	-------------

FEMALE THREAD

1/8 FPT	LN11	11661	LN2803	815
1/4 FPT			LN3003	
3/8 FPT			LN3203	

MALE THREAD

1/8 MPT	LN12	11660	LN2903	
1/4 MPT	LN10	11659	LN3103	
3/8 MPT			LN3303	

HOSE STEM (Require Hose Clamps)

1/4 I.D.		LN3603	
5/16 I.D.		LN3653	
3/8 I.D.		LN3703	

PUSH-ON HOSE STEM

1/4 I.D.		LN1513	
3/8 I.D.		LN1713	

REUSABLE HOSE CLAMP

ID	OD		
3/16 x 3/8		LNSAA	
3/16 x 7/16		LNSAO	
3/16 x 15/32		LNSA1	
3/16 x 1/2		LNSA3	
1/4 x 1/2		LNSB3	
1/4 x 9/16		LNSB5	
1/4 x 5/8		LNSB7	
1/4 x 11/16		LNSB9	
5/16 x 9/16		LNSC5	
5/16 x 5/8		LNSC7	
5/16 x 11/16		LNSC9	
3/8 x 5/8		LNSD7	
3/8 x 11/16		LNSD9	
3/8 x 3/4		LNSD11	
3/8 x 13/16		LNSD13	



FOSTER
MANUFACTURING COMPANY

SHD Series Interchange with Schrader Standard & Heavy Duty

Series 2246

— PLUGS —



— SOCKETS —



AUTOMATIC

— PLUGS —



— SOCKETS —



AUTOMATIC

FEMALE THREAD	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.
1/8 FPT	SHD13	2047	SHD2803	8052C-12	SHD53	1095-11	SHD4015	1054-12
1/4 FPT	SHD11	8278-11	SHD3003				SHD5005	1095-12
3/8 FPT			SHD3203				SHD5205	1461-12
1/2 FPT							SHD5405	1462-12
3/4 FPT								

MALE THREAD	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.
1/8 MPT	SHD12	8051-11	SHD2903	3060C-12	SHD50	8624-11	SHD4905	3080-12
1/4 MPT	SHD10	8050-11	SHD3103	3061C-12	SHD52	1095-11	SHD5105	3080-12
3/8 MPT			SHD3303		SHD54	1461-11	SHD5305	3081-12
1/2 MPT							SHD5505	
3/4 MPT								

HOSE STEM (Require Hose Clamps)	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.
1/4 I.D.	SHD16	8787-11	SHD3603				SHD5605	
5/16 I.D.			SHD3853					
3/8 I.D.	SHD17	8788-11	SHD3703		SHD59	1097-11	SHD5705	
1/2 I.D.					SHD60	1098-11	SHD5805	
3/4 I.D.							SHD5905	

PUSH-ON HOSE STEM	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.
1/4 I.D.	SHD51		SHD1513				SHD1715	
3/8 I.D.			SHD1713				SHD1815	
1/2 I.D.								

SELF-STORING AIR HOSE	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.
1/4 I.D.							SHD1805	
1/2 I.D.								

REUSABLE HOSE CLAMP	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.	CAT. NO.	SCHRADER NO.
ID	OD	SHD 1/4" SOCKET ACTUAL SIZE	SHD 1/4" PLUG ACTUAL SIZE	SHD 1/2" PLUG ACTUAL SIZE	SHD 1/2" SOCKET ACTUAL SIZE			
3/16 x 3/8								
3/16 x 7/16								
3/16 x 15/32								
3/16 x 1/2								
1/4 x 1/2								
1/4 x 9/16								
1/4 x 5/8								
1/4 x 11/16								
5/16 x 9/16								
5/16 x 5/8								
5/16 x 11/16								
3/8 x 5/8								
3/8 x 11/16								
3/8 x 3/4								
3/8 x 13/16								
1/2 x 13/16								
1/2 x 7/8								
1/2 x 15/16								
1/2 x 1								



SOCKET DUST PLUG
(For 1/4" Sockets)
Cat. No. SHD-DP



FOSTER
MANUFACTURING COMPANY

FRL Series Interchange with Hansen 2RL & 3RL Series

Series 2246

PLUGS



2FRL
SERIES
3/8"

SOCKETS



AUTOMATIC

PLUGS



3FRL
SERIES
1/2"

SOCKETS



AUTOMATIC

FEMALE THREAD

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
1/8 FPT	2L41	2-L16	2R4004	2-R16	3L51	3-L16	3R4015	3-R16
3/8 FPT	2L43	2-L21	2R4204	2-R21	3L52	3-L21	3R5005	3-R21
3/8 FPT	2L45	2-L26	2R4404	2-R26	3L55	3-L26	3R5205	3-R26
3/4 FPT					3L57	3-L31	3R5405	3-R31

MALE THREAD

1/8 MPT	2L38	2-L10	2R4104	2-R15	3L50	3-L15	3R4905	3-R15
1/4 MPT	2L40	2-L15	2R4304	2-R20	3L52	3-L20	3R5105	3-R20
3/8 MPT	2L42	2-L20	2R4504	2-R25	3L54	3-L25	3R5305	3-R25
1/2 MPT	2L44	2-L25			3L56	3-L30	3R5505	3-R30
3/4 MPT								

HOSE STEM (Require Hose Clamps)

1/4 I.D.	2L46	2-L17	2R4604	2-R17	3L58	3-L17	3R5605	3-R17
5/16 I.D.			2R4704	2-R195				
3/8 I.D.	2L48	2-L22	2R4804	2-R22	3L59	3-L22	3R5705	3-R22
1/2 I.D.	2L49	2-L27	2R4904	2-R27	3L60	3-L27	3R5805	3-R27
3/4 I.D.					3L61	3-L32	3R5905	3-R32

PUSH-ON HOSE STEM

3/8 I.D.			2R1714				3R1715	
1/2 I.D.			2R1814				3R1815	

SELF-STORING AIR HOSE

3/8 I.D.			2R1704				3R1805	
1/2 I.D.								

REUSABLE HOSE CLAMP

ID	OD							
1/4 X 1/2	2LP83	2-L1883	2RS83	2-R1883				
1/4 X 9/16	2LP85	2-L1885	2RS85	2-R1885				
1/4 X 5/8	2LP87	2-L1887	2RS87	2-R1887				
1/4 X 11/16	2LP89	2-L1889	2RS89	2-R1889				
3/8 X 5/8	2LPD7	2-L23D7	2RSD7	2-R23D7	3LPD7	3-L23D7	3RSD7	3-R23D7
3/8 X 11/16	2LPD9	2-L23D9	2RSD9	2-R23D9	3LPD9	3-L23D9	3RSD9	3-R23D9
3/8 X 3/4	2LPD11	2-L23D11	2RSD11	2-R23D11	3LPD11	3-L23D11	3RSD11	3-R23D11
3/8 X 13/16	2LPD13	2-L23D13	2RSD13	2-R23D13	3LPD13	3-L23D13	3RSD13	3-R23D13
1/2 X 13/16	2LPP13	2-L28P13					3RSP13	3-R28P13
1/2 X 7/8	2LPP15	2-L28P15					3RSP15	3-R28P15
1/2 X 15/16	2LPP17	2-L28P17					3RSP17	3-R28P17
1/2 X 1	2LPP19	2-L28P19					3RSP19	3-R28P19

BALL CHECK

1/2 I.D. HOSE					3L60G	3-L27G		
3/4 I.D. HOSE					3L61G	3-L32G		



Ball check plugs eliminate hose whip at disconnect by checking the rapid flow of downstream exhaust air.

FRL 3/8"
PLUG
ACTUAL SIZE

FRL 1/2"
PLUG
ACTUAL SIZE



FOSTER
MANUFACTURING COMPANY

060 & A70 Series Interchange with Hansen 600 & 700 Series Series 2246

— PLUGS —

(BRASS)

060
SERIES

1/4"

— SOCKETS —

(BRASS)

MANUAL

— PLUGS —

(BRASS)

A70
SERIES

1/4"

— SOCKETS —

(BRASS)

MANUAL

FEMALE THREAD

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
1/8 FPT	0-11	02	0-2803	GR-600
1/4 FPT			0-3003	GR-602
3/8 FPT			0-3203	GR-604

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
A-11	A2	A-2803	RD-700	
		A-3003	RD-702	
		A-3203	RD-704	

MALE THREAD

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
1/8 MPT	0-12	01	0-2903	GR-601
1/4 MPT	0-10	03	0-3103	GR-603
3/8 MPT			0-3303	GR-605

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
A-12	A1	A-2903	RD-701	
A-10	A3P	A-3103	RD-703	
		A-3303	RD-705	

HOSE STEM (Require Hose Clamps)

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
1/4 I.D.	0-16	07	0-3603	GR-606
5/16 I.D.			0-3653	GR-607
3/8 I.D.	0-17	09	0-3703	GR-608

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
A-16	A7	A-3603	RD-706	
		A-3653	RD-707	
A-17	A9	A-3703	RD-708	

PUSH-ON HOSE STEM

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
1/4 I.D.			0-1513	GR-606P
3/8 I.D.			0-1713	GR-608P

	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
			A-1513	RD-706P
			A-1713	RD-708P

REUSABLE HOSE CLAMP

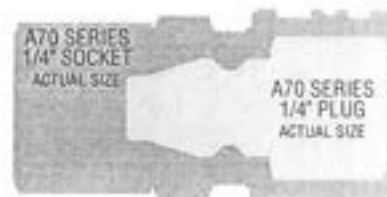
ID	OD	CAT. NO.	HANSEN NO.
3/16 X 3/8		0-SAA	
3/16 X 7/16		0-SAD	GR-6-0A0
3/16 X 15/32		0-SA1	
3/16 X 1/2		0-SA3	GR-6-0A3
1/4 X 1/2		0-SB3	GR-6-0B3
1/4 X 9/16		0-SB5	GR-6-0B5
1/4 X 5/8		0-SB7	GR-6-0B7
1/4 X 11/16		0-SB9	GR-6-0B9
5/16 X 9/16		0-SC5	GR-6-0C5
5/16 X 5/8		0-SC7	GR-6-0C7
5/16 X 11/16		0-SC9	GR-6-0C9
3/8 X 5/8		0-SD7	GR-6-0D7
3/8 X 11/16		0-SD9	GR-6-0D9
3/8 X 3/4		0-SD11	GR-6-0D11
3/8 X 13/16		0-SD13	GR-6-0D13

	CAT. NO.	HANSEN NO.
A-SAA		
A-SAD		RD-7-0A0
A-SA1		
A-SA3		RD-7-0A3
A-SB3		RD-7-0B3
A-SB5		RD-7-0B5
A-SB7		RD-7-0B7
A-SB9		RD-7-0B9
A-SC5		RD-7-0C5
A-SC7		RD-7-0C7
A-SC9		RD-7-0C9
A-SD7		RD-7-0D7
A-SD9		RD-7-0D9
A-SD11		RD-7-0D11
A-SD13		RD-7-0D13

COLOR CODED

060 - GREEN SLEEVE BAND • OXYGEN SERVICE A70 - RED SLEEVE BAND • ACETYLENE SERVICE

When used for oxygen/acetylene service, order with BL option to comply with OSHA Std. 1915.55(1)(5).





FOSTER
MANUFACTURING COMPANY

210 & 310 Series Interchange with ARO 210 & 310

Series 2246

— PLUGS —



**210
SERIES**
1/4"

— SOCKETS —



AUTOMATIC

— PLUGS —



**310
SERIES**
3/8"

— SOCKETS —



AUTOMATIC

FEMALE THREAD

	CAT. NO.	ARO NO.	CAT. NO.	ARO NO.	CAT. NO.	ARO NO.	CAT. NO.	ARO NO.
1/8 FPT	210-11	2609	210-2803	210-201	310-43	3806	310-4004	310-200
1/4 FPT			210-3003	210			310-4204	310
3/8 FPT			210-3203	210-203			310-4404	
1/2 FPT								

MALE THREAD

1/8 MPT	210-12	2607	210-2903	210-211	310-42	3804	310-4104	310-212
1/4 MPT	210-10	2608	210-3103	210-212			310-4304	310-313
3/8 MPT			210-3303	210-213			310-4504	
1/2 MPT								

HOSE STEM (Require Hose Clamps)

1/4 I.D.	210-16	3946	210-3603	210-022	310-48	3807	310-4604	310-022
5/16 I.D.	210-165		210-3653	210-223			310-4704	310-023
3/8 I.D.	210-17	22238	210-3703	210-215			310-4804	310-222
1/2 I.D.							310-4904	

PUSH-ON HOSE STEM

1/4 I.D.	210-51	6944	210-1513	210-227	310-1714	3871	310-1714	310-028
3/8 I.D.			210-1713	210-028				
1/2 I.D.								

SELF-STORING AIR HOSE

1/4 I.D.					310-1704			
3/8 I.D.								

REUSABLE HOSE CLAMP

ID	OD							
3/16 X 3/8			210-SAA					
3/16 X 7/16			210-SAD					
3/16 X 15/32			210-SA1					
3/16 X 1/2			210-SA3					
1/4 X 1/2			210-SB3				310-SB3	
1/4 X 9/16			210-SB5				310-SB5	
1/4 X 5/8			210-SB7				310-SB7	
1/4 X 11/16			210-SB9				310-SB9	
5/16 X 9/16			210-SC5					
5/16 X 5/8			210-SC7					
5/16 X 11/16			210-SC9					
3/8 X 5/8			210-SD7				310-SD7	
3/8 X 11/16			210-SD9				310-SD9	
3/8 X 3/4			210-SD11				310-SD11	
3/8 X 13/16			210-SD13				310-SD13	





FOSTER
MANUFACTURING COMPANY

TF Series Interchange with PARKER TRU-FLATE Series 10

Series 2246

PLUGS				SOCKETS				PLUGS				SOCKETS				PLUGS				SOCKETS			
																							
1/4"				1/4"				3/8"				3/8"				1/2"				1/2"			
				AUTOMATIC								AUTOMATIC								MANUAL			
FEMALE THREAD				CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.
1/8 FPT				TF13	1C	TF2803	B13A	TF41	1E	TF4004	15C			53-5	1F	4015				5005	17E		
1/4 FPT				TF11	3C	TF3003★	B13	TF43	3E	TF4204	15			55-5	3F	5205				5205	17		
3/8 FPT				TF15	3C-E	TF3203	B13E			TF4404	15F			57-5	H3F-G	5405				5405	17G		
1/2 FPT																							
3/4 FPT																							
MALE THREAD																							
1/8 MPT				TF12	0C	TF2903	B12A	TF40	0E	TF4104	14C			50-5		4905				5105	16E		
1/4 MPT				TF10	2C	TF3103★	B12	TF42	2E	TF4304	14			52-5	0F	5305				5305	16		
3/8 MPT				TF14	2C-E	TF3303	B12E			TF4504	14F			54-5	2F	5505				5505	16G		
1/2 MPT														56-5	H2F-G								
3/4 MPT																							
HOSE STEM (Require Hose Clamps)																							
1/4 I.D.				TF16	8C	TF3603	B10-3B			TF4604						5605							
5/16 I.D.				TF165	8C-D	TF3853				TF4704													
3/8 I.D.				TF17	9C	TF3703	B10-5B	TF48	5E	TF4804	14-5B			59-5	4F	5705				5705	16-5B		
1/2 I.D.										TF4904	14-6B			60-5	5F	5805				5805	16-6B		
3/4 I.D.														61-5	H5F-G	5905				5905	16-7B		
PUSH-ON HOSE STEM																							
1/4 I.D.				TF51	8CP	TF1513	B10-3BP			TF1714	14-5BP			71-5	H4FP	1715				1715	16-5BP		
3/8 I.D.				TF71	9CP	TF1713	B10-5BP			TF1814				81-5	H5FP	1815				1815	16-6BP		
1/2 I.D.																							
SELF-STORING AIR HOSE																							
1/4 I.D.										TF1704				8-5		1805							
3/8 I.D.																							
1/2 I.D.																							
REUSABLE HOSE CLAMP																							
ID	OD					TFSA																	
3/16 X 3/8						TFSA0																	
3/16 X 7/16						TFSA1																	
3/16 X 15/32						TFSA3																	
3/16 X 1/2																							
1/4 X 1/2		TFPB3				TFSB3				TFSD74													
1/4 X 9/16		TFPB5				TFSB5				TFSD94													
1/4 X 5/8		TFPB7				TFSB7				TFSD114													
1/4 X 11/16		TFPB9				TFSB9				TFSD134													
5/16 X 9/16						TFSC5																	
5/16 X 5/8						TFSC7																	
5/16 X 11/16						TFSC9																	
3/8 X 5/8						TFSD7																	
3/8 X 11/16						TFSD9																	
3/8 X 3/4						TFSD11																	
3/8 X 13/16						TFSD13																	
1/2 X 13/16																							
1/2 X 7/8																							
1/2 X 15/16																							
1/2 X 1																							

1/4" HAS SAFETY
NOSE GUARD

TF-SERIES
1/4" PLUG
ACTUAL SIZE

TF-SERIES
3/8" PLUG
ACTUAL SIZE

■ Available in Brass - Suffix B
★ Available in Brass with
Sleeveguard - Prefix SG



Rubber & Specialties, Inc.

Two Way Shut-Off FHK Series

Series 2246

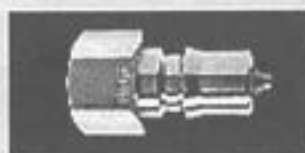


FOSTER
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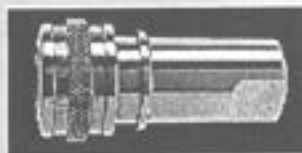
INDUSTRIAL INTERCHANGE

Conforms with
ISO 7241-1, Series B

PLUGS



SOCKETS



SOCKET DUST PLUG



		STEEL CAT. NO.	BRASS CAT. NO.	S/S CAT. NO. ●		STEEL CAT. NO.	BRASS CAT. NO.	S/S CAT. NO. ●	CATALOG NO.
1/8"	1/8 FPT 7/16-20FT ▲	K1S K1S4	K1B	K1S/S		H1S H1S4	H1B	H1S/S	H1DP H1DP4
1/4"	1/4 FPT 9/16-18FT ▲	K2S K2S6	K2B	K2S/S		H2S H2S6	H2B	H2S/S	H2DP H2DP6
3/8"	3/8 FPT 3/4-16FT ▲	K3S K3S8	K3B	K3S/S		H3S H3S8	H3B	H3S/S	H3DP H3DP8
1/2"	1/2 FPT 7/8-14FT ▲	K4S K4S10	K4B	K4S/S		H4S H4S10	H4B	H4S/S	H4DP H4DP10
3/4"	3/4 FPT 1-1/16-12FT ▲	K6S K6S12	K6B	K6S/S		H6S H6S12	H6B	H6S/S	H6DP H6DP12
1"	1FPT 1-5/16-12FT ▲	K8S K8S16	K8B	K8S/S		H8S H8S16	H8B	H8S/S	H8DP H8DP16

● 303 Stainless Steel

▲ SAE Straight Thread O-Ring Seal Boss

H2S & H3S Available with Backup Ring, Suffix BU

Specifications FHK Series

TYPE FHK Two Way Shut-Off – Both socket and plug are sealed at disconnect.

INTERCHANGEABILITY Standard industrial interchange design, most widely used in industry. Within each series, only sockets and plugs of the same size will couple together. Conforms with ISO 7241-1, Series B.

OPERATION MANUAL – Socket sleeve must be manually retracted to connect and disconnect.

WORKING PRESSURE

Rated pressures as defined by ANSI/B93.2-1986, based on 4:1 safety factor and non-shock service.

BODY SIZE	STEEL PSIG	BRASS PSIG	STAINLESS STEEL PSIG
1/8"	4000	3000	3500
1/4"	4000	2700	3700
3/8"	3500	2200	3700
1/2"	2500	2200	4200
3/4"	1600	1500	1600
1"	2000	1500	2000

PERFORMANCE DATA FLOW

	AIR FLOW – CFM				OIL FLOW-GPM MIL-H5606-125°F PRESSURE DROP
	100 PSIG		80 PSIG		
	PRESSURE DROP		PRESSURE DROP		
	10 psig	5 psig	10 psig	5 psig	10 psig
1/8"	22	17	20	15	1.8
1/4"	32	22	29	20	3.6
3/8"	58	42	53	38	6.7
1/2"	130	88	118	80	11.0
3/4"	305	207	277	188	26.3
1"	372	252	338	229	31.8

OPTIONS ONE WAY SHUT OFF: Suffix – VA to either socket or plug catalog number.

STRAIGHT-THRU: Suffix – LV to both socket and plug catalog number.

BL: Locks against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock.

To disconnect, realign ball with slot and retract sleeve. To order, prefix BL to socket catalog number.

DIMENSIONAL DATA

Full size layouts available upon request. (See full size plug layouts.)

REPAIR PARTS

	SOCKET BODY O-RING	VALVE KIT
1/8"	013	VRKH1
1/4"	015	VRKH2
3/8"	116	VRKH3
1/2"	213	VRKH4
3/4"	218	VRKH5
1"	222	VRKH6

NOTE: Suffix S, B, or S/S to valve kit part number to indicate steel, brass, or S/S. All part numbers shown are Buna-N seals. If other seal compound is required, suffix compound number from seal compound guide.



FH & FIH Series Interchange with Snap-Tite

FOSTER
MANUFACTURING COMPANY

H & IH Series

Series 2246

TWO WAY VALVED SOCKETS



FH SERIES

TWO WAY VALVED PLUGS



FEMALE THREAD

	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE
1/4 FPT	FHS2F2	VHC4-4F	FHS2F2B	BVHC4-4F	FHP2F2	VHN4-4F	FHP2F2B	BVHN4-4F
3/8 FPT	FHS3F3	VHC6-6F	FHS3F3B	BVHC6-6F	FHP3F3	VHN6-6F	FHP3F3B	BVHN6-6F
1/2 FPT	FHS4F4	VHC8-8F	FHS4F4B	BVHC8-8F	FHP4F4	VHN8-8F	FHP4F4B	BVHN8-8F

MALE THREAD

	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE
1/4 MPT	FHS2M2	VHC4-4M	FHS2M2B	BVHC4-4M	FHP2M2	VHN4-4M	FHP2M2B	BVHN4-4M
3/8 MPT	FHS3M3	VHC6-6M	FHS3M3B	BVHC6-6M	FHP3M3	VHN6-6M	FHP3M3B	BVHN6-6M
1/2 MPT	FHS4M4	VHC8-8M	FHS4M4B	BVHC8-8M	FHP4M4	VHN8-8M	FHP4M4B	BVHN8-8M

Specifications FH, FIH Series

TYPE FH - TWO WAY SHUT-OFF AND STRAIGHT THRU FIH - ONE WAY SHUT-OFF

INTERCHANGEABILITY FH SERIES interchanges with Snap-Tite "H" Series. FIH SERIES interchanges with Snap-Tite "IH" Series. Within each series, only sockets and plugs of the same size will couple together.

OPERATION MANUAL - Socket sleeve must be manually retracted to connect and disconnect.

WORKING PRESSURE

Rated Pressure as defined by
ANSI B93.2 - 1985, based on a 4:1
safety factor and non-shock service.

FH SERIES, TWO WAY	Steel	Brass
Body Size	PSIG	PSIG
1/4"	3250	2000
3/8"	2250	1200
1/2"	1800	1200

FH, STRAIGHT THRU	Steel	Brass
Body Size	PSIG	PSIG
1/4"	3000	3000
3/8"	4000	3500
1/2"	4000	2500

FIH, ONE WAY	Steel
Body Size	PSIG
1/4"	3000
3/8"	2250
1/2"	2000

OPTIONS BL - Locks against accidental disconnect. To connect align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve. To order, prefix BL to socket catalog numbers.

DIMENSIONAL DATA Full size layouts available upon request. (See full size plug layouts.)

FH SERIES & FIH SERIES

FIH SERIES ONE WAY VALVED SOCKETS



FIH & FH SERIES UNVALVED PLUGS



FH SERIES STRAIGHT THRU SOCKETS NO VALVING



FEMALE THREAD

	STEEL CATALOG NO.	SNAP-TITE	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE
1/8 FPT	FIS2F2	VIHC4-4F	FH21F	PHN4-2F	FH22FB	BPHN4-4F	FHS2	PHC4-4F	FHS2B	BPHC4-4F
1/4 FPT	FIS3F3	VIHC6-6F	FH22F	PHN4-4F	FH33FB	BPHN6-6F	FHS3	PHC6-6F	FHS3B	BPHC6-6F
3/8 FPT	FIS4F4	VIHC8-8F	FH33F	PHN6-6F	FH44FB	BPHN8-8F	FHS4	PHC8-8F	FHS4B	BPHC8-8F
1/2 FPT			FH44F	PHN8-8F						

MALE THREAD

	STEEL CATALOG NO.	SNAP-TITE	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE
1/4 MPT	FIS2M2	VIHC4-4M	FH22M	PHN4-4M	FH22MB	BPHN4-4M				
3/8 MPT	FIS3M3	VIHC6-6M	FH33M	PHN6-6M	FH33MB	BPHN6-6M				
1/2 MPT	FIS4M4	VIHC8-8M	FH44M	PHN8-8M	FH44MB	BPHN8-8M				

The FIH Series sockets & plugs are for pneumatic applications. The FIH sockets have a valve with 360° contact with plug.



INDUSTRIAL
INTERCHANGE

FOSTER
MANUFACTURING COMPANY

Straight Thru FST Series

Series 2246

PLUGS



SOCKETS



FEMALE THREAD

	STEEL CAT. NO.	BRASS CAT. NO.	S/S CAT. NO. •		BRASS CAT. NO.	S/S CAT. NO. •
1/8 FPT		12FPB			12FS	12FSS
1/4 FPT	25FP	25FPB	25FPS		25FS	25FSS
3/8 FPT	38FP	38FPB	38FPS		38FS	38FSS
1/2 FPT	50FP	50FPB	50FPS		50FS	50FSS
3/4 FPT	75FP	75FPB	75FPS		75FS	75FSS
1 FPT	100FP	100FPB	100FPS		100FS	100FSS
1-1/4 FPT	125FP	125FPB			125FS	
1-1/2 FPT	150FP	150FPB			150FS	

MALE THREAD

1/8 MPT	12MP	12MPB	12MPS		12MS	
1/4 MPT	25MP	25MPB	25MPS		25MS	
3/8 MPT	38MP	38MPB	38MPS		38MS	
1/2 MPT	50MP	50MPB	50MPS		50MS	
3/4 MPT	75MP	75MPB	75MPS		75MS	
1 MPT	100MP	100MPB	100MPS		100MS	
1-1/4 MPT	125MP	125MPB				
1-1/2 MPT	150MP	150MPB				

HOSE STEM

1/4 I.D.	25HP				25HS	
3/8 I.D.		38HPB			38HS	
1/2 I.D.					50HS	
3/4 I.D.		75HPB				

Only Sockets & Plugs with same prefix digits connect together. Example: 25FS & 25MPB

• 303 Stainless Steel

Specifications FST Series

TYPE FST STRAIGHT-THRU — No valve in either socket or plug.

INTERCHANGEABILITY Standard industrial interchange design, most widely used in industry. Within each series, only sockets and plugs of the same size will couple together.

OPERATION MANUAL — Socket sleeve must be manually retracted to connect and disconnect.

WORKING PRESSURE Rated pressures as defined by ANSI/B93.2-1986, based on 4:1 safety factor and non-shock service.

PERFORMANCE DATA FLOW

BODY SIZE	BRASS SOCKET w/BRASS PLUG PSIG	BRASS SOCKET w/STEEL PLUG PSIG	S/S SOCKET w/S/S PLUG PSIG
1/8"	2500	2600	4200
1/4"	5200	5500	5000
3/8"	2700	3500	5500
1/2"	2200	2700	3000
3/4"	1700	2700	3000
1"	1200	2000	1700
1 1/4"	1700	2700	
1 1/2"	1400	2200	

COUPLERS HAVE SAME INSIDE
DIAMETER AS NOMINAL PIPE.

OPTIONS BL — Locks socket against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve. To order, prefix BL to socket catalog number.

DIMENSIONAL DATA Full size layouts available upon request.
(See full size plug layouts.)

REPAIR PARTS

	SOCKET BODY O-RING
1/8	010
1/4	110
3/8	112
1/2	114
3/4	212
1	217
1 1/4	221
1 1/2	327

Note: All o-ring part numbers are Buna-N. If another seal compound is required, suffix component number from seal compound guide.



FOSTER
MANUFACTURING COMPANY

Fluid Compatibility Guide

Series 2246

The following body material and seal compound chart is presented as a guide only and is not intended to provide a specific recommendation as to the suitability of any Foster product for a specific application. Various other environmental and operating conditions must be considered. These items include, but are not limited to: operating temperatures, ambient conditions and any prevailing standards or regulations.

BODY MATERIAL DATA		SEAL COMPOUND DATA	
BODY MATERIAL	SEAL MATERIAL	PART NO. SUFFIX	COUPLER COLOR CODE
Brass B	Nitrile (Buna-N)	Std.	None
Steel S	Viton® (product of DuPont)	-101	Blue
303 S/S S/S	Neoprene	-102	Red
	Ethylene Propylene	-103	Black
	Silicone	-104	White

MEDIA	BODY MATERIAL	SEAL COMPOUND	MEDIA	BODY MATERIAL	SEAL COMPOUND	MEDIA	BODY MATERIAL	SEAL COMPOUND
Acetic Acid (5%)	S/S	-101	Helium	B, S, S/S	Std.	Potassium Acetate	S	-103
Acetone	B, S/S	-103	Heptane	B, S, S/S	Std.	Potassium Dichromate	S	Std.
Acetophenone	S/S	-103	Hydraulic Oil (Petroleum Base)	B, S, S/S	Std.	Potassium Nitrate	S, S/S	Std.
Acetylene	S/S	-103	Hydraulic Oil (Water Base)	S/S/S	-103	Potassium Sulfate	S/S	Std.
Air (up to 200° F)	B, S/S	Std.	Hydrazine	S/S	-103	Propane	B, S/S	Std.
Air (up to 400° F)	B, S/S	-101, -104	Hydrogen Gas	B, S, S/S	Std.	Propyl Alcohol	B, S, S/S	Std.
Ammonia (Anhydrous)	S/S	-102	Isobutyl Alcohol	S/S	-101	Propylene	B, S, S/S	-101
Ammonia (Cold, Gas)	S/S	-103	Isopropyl Alcohol	B, S, S/S	-101	Pydraul 10E	S, S/S	-103
Ammonium Nitrate	S/S	Std.	Isopropyl Ether	B, S, S/S	Std.	Pydraul A-200, C Series	S, S/S	-101
Amyl Chloride	S/S	-101	Isooctane	S	-101	Pydraul, 3 Series	S, S/S	-101
Arsenic Acid	S/S	Std.	Kerosene	B, S/S	Std.	Sea Water (Salt Water)	S/S	Std.
Asphalt	S/S	-101	Linseed Oil	S, S/S	Std.	Silicone Greases	B, S, S/S	Std.
Brine (Sodium Chloride)	S/S	Std.	Lubricating Oil (SAE 10, 20, 30, 40, 50)	B, S, S/S	Std.	Skydrol 500, Type 2	S, S/S	-103
Butane	S/S	Std.	Mercury	S/S	Std.	Skydrol 7000, Type 2	S, S/S	-103
Butanol (Butyl Alcohol)	S/S	Std.	Methane	B, S/S	Std.	Soap Solutions	S/S	Std.
Calcium Acetate	B, S	-103	Methanol	B, S/S	Std.	Sodium Acetate	B, S, S/S	-103
Carbon Dioxide	B, S/S	Std.	Methyl Bromide	S, S/S	-101	Sodium Carbonate (Soda Ash)	S, S/S	Std.
Carbon Tetrachloride	B	-101	Methyl Chloride (Wet)	B	-101	Sodium Cyanide	S, S/S	Std.
Caster Oil	B, S, S/S	Std.	Methyl Ethyl Ketone (MEK)	B, S, S/S	-103	Sodium Metaphosphate	S	Std.
China Wood Oil (Tung Oil)	S/S	Std.	Mineral Oils	B, S, S/S	Std.	Sodium Nitrate	S/S	-103
Chloroform	S/S	-101	Naphtha	S	-101	Sodium Perborate	S/S	-101
Corn Oil	B, S, S/S	Std.	Naphthalene	S	-101	Sodium Peroxide	S	-101
Cresole	S/S	Std.	Naphthenic Acid	S	-101	Sodium Phosphates	B, S/S	Std.
Crude Oil	S/S	-101	Nickel Acetate	S/S	-103	Sodium Sulfate	S/S	Std.
Cutting Oil	S, S/S	Std.	Nickel Sulfate	S/S	Std.	Soybean Oil	S, S/S	Std.
Detergent, Water Solution	S/S	Std.	Nitrogen	B, S, S/S	Std.	Steam (below 400° F)	B, S/S	-103
Diesel Fuel	B, S/S	Std.	Nitrous Oxide	S/S	Std.	Sucrose Solutions	B, S, S/S	Std.
Diethylene Glycol	S, S/S	Std.	Octyl Alcohol	B, S, S/S	-101	Tannic Acid (10%)	B	Std.
Dimethyl Formamide	S/S	-103	Oxalic Acid	S/S	-101	Tertiary Butyl Alcohol	B, S, S/S	-101
Ethanol	B	-103	Oxygen (200-400° F)	B, S/S	-101	Tetraethyl Lead	B, S, S/S	-101
Freon 11	B	-101	Oxygen, Cold	B, S/S	-101	Tetraethyl Lead (blend)	B, S, S/S	-101
Freon 12	B, S, S/S	-102	Ozone	S/S	-101	Titanium Tetrachloride	S	-101
Freon 22	B, S/S	-102	Palmitic Acid	B, S/S	Std.	Toluene	B, S, S/S	-101
Freon R134a	B, S, S/S	-102	Para-Dichlorobenzene	S	-101	Transmission Fluid (Type-A)	B, S, S/S	Std.
Fuel Oil	S/S	Std.	Peanut Oil	S, S/S	Std.	Turbine Oil #15	S/S	-101
Gas, Liquid, Propane (LPG)	B, S/S	Std.	Petroleum	B, S, S/S	Std.	Turpentine	S/S	Std.
Gas, Natural	B, S/S	Std.	Petroleum Oil, (below 200° F)	B, S, S/S	Std.	Varnish	B, S, S/S	-101
Gasoline (unleaded)	B, S/S	-101	Phenol	B, S, S/S	-101	Water (below 100° F)	B, S/S	Std.
Glucose	B, S, S/S	Std.	Phosphorous Trichloride	S/S	-101	Water (above 100° F)	B, S/S	-103
Glycerine (Glycerol)	S, S/S	Std.	Plating Solutions (Chrome)	B, S/S	-101	Xylene	B, S/S	-101
Glycols	S, S/S	Std.	Plating Solutions (other)	S/S	-101			

To Order: Suffix seal compound part number to coupling part number.
Example: H4S-103, 1/2" NPT, FHK Series, steel socket with ethylene propylene seals.

Note: Please consult with your Foster representative or the factory for any media not listed.



FJT Series

FOSTER
MANUFACTURING COMPANY

Interchange with DME Jiffy-Tite - Jiffy-Matic

Series 2246



CAT. NO.

FEMALE THREAD STEEL

1/8 FPT	FP251F	■
1/4 FPT	FP252F	■
3/8 FPT	FP253F	■

MALE THREAD BRASS

1/8 MPT	FP251	■
1/4 MPT	FP252	★
3/8 MPT	FP253	■

FEMALE THREAD STEEL

1/4 FPT	FP352F	■
3/8 FPT	FP353F	■

MALE THREAD BRASS

1/8 MPT	FP351	■
1/4 MPT	FP352	★
3/8 MPT	FP353	■
1/2 MPT	FP354	■

VALVED PLUG



MALE THREAD BRASS

3/8 MPT	FP353V	■
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FEMALE THREAD STEEL

1/2 FPT	FP554F	■
3/4 FPT	FP555F	■

MALE THREAD BRASS

1/2 MPT	FP554	■
3/4 MPT	FP555	■

- ★ Available in Steel - Suffix S
■ Available in Brass - Suffix B

SPECIFICATIONS

Foster FJT Series couplers are designed to connect coolant lines to plastic molds and diecasting dies. FJT Series plugs are mounted in the mold. They can be threaded directly into the mold coolant ports or recessed into the mold for a flush surface during storage. Sockets have hose stems, either standard hose or "Push-on" type, for direct connection to the coolant line going to the manifold. Seal compound is silicone for use with water, ethylene glycol, or air.

TYPE

STRAIGHT THRU, ONE WAY OR TWO WAY

INTERCHANGEABILITY

Interchanges with DME Jiffy-Tite and Jiffy-Matic and Parker Moldmate couplers.

OPERATION

Socket sleeve must be manually retracted to connect and disconnect.

WORKING PRESSURE

200 PSIG

TEMPERATURE

-65° to 425° F.

PERFORMANCE DATA

FLOW

WATER - GPM
10 PSI PRESSURE DROP

FJT200	Straight-Thru	4.5
FJT200 V	One-Way (valved)	2.3
FJT300	Straight-Thru	10.0
FJT300HF	High Flow	13.8
FJT300 V	One-Way (valved)	5.9
FJT500	Straight-Thru	28.2

FEATURES

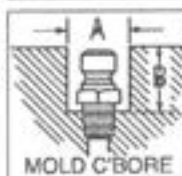
Precision leakproof seal, lathe cut from silicone tubing • Two piece construction on straight stem sockets • Double knurl on socket sleeve for easier grip • Sockets have six balls

OPTIONS

BL - Locks manual socket against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve
TO ORDER, PREFIX BL TO SOCKET CATALOG NUMBER.

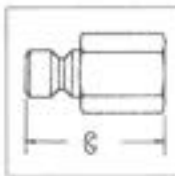
DIMENSIONAL DATA

Full size layouts are available upon request.

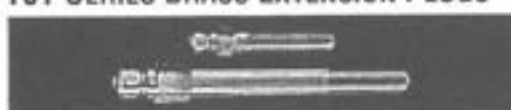


Cat. No.	NPT	A	B	C
FP251 (F)	1/8	.687	.687	1.000
FP252 (F)	1/4	.843	.937	1.278
FP253 (F)	3/8	1.00	.937	1.373
FP352 (F)	1/4	1.00	1.092	1.450
FP353 (F)	3/8	1.00	1.125	1.574
FP354	1/2	1.187	1.250	
FP554 (F)	1/2	1.250	1.500	1.750
FP555 (F)	3/4	1.500	1.562	1.750

(F) - Suffix F for female pipe thread



FJT SERIES BRASS EXTENSION PLUGS



- One piece construction for fast assembly, positive removal.
- Installation problems associated with pipe nipple extensions on standard plugs are eliminated.
- One-piece brass construction eliminates a potential leak point and ensures removability.
- A variety of pipe sizes and lengths are available per the enclosed table.

FJT BRASS EXTENSION PLUGS

CAT. PART NO.	SERIES	PIPE SIZE
FP251X	1/4"	1/8" MPT
FP252X	1/4"	1/4" MPT
FP253X	1/4"	3/8" MPT
FP352X	3/8"	1/4" MPT
FP353X	3/8"	3/8" MPT
FP354X	3/8"	1/2" MPT
FP554X	1/2"	1/2" MPT

Lengths available: 2.5", 4", 5.5", 7", and 8.5"

To Order: Suffix the catalog part number with the desired length, i.e. FP251x2.5

Note: Other sizes and lengths are available upon request.



FJT Series

FOSTER
MANUFACTURING COMPANY

Interchange with
DME Jiffy-Tite - Jiffy-Matic

Series 2246

SOCKETS



STRAIGHT THRU



ONE WAY (VALVED)



TWO WAY (VALVED)

HOSE STEM	PUSH-ON STEM
CAT. NO.	CAT. NO.

HOSE STEM	PUSH-ON STEM
CAT. NO.	CAT. NO.

STRAIGHT HOSE STEM

1/4 I.D.	FS204	FS204P		FS204V	FS204VP	
5/16 I.D.	FS205			FS205V		
3/8 I.D.	FS206	FS206P		FS206V	FS206VP	

45° HOSE STEM

1/4 I.D.	FS224	FS224P		FS224V	FS224VP	
5/16 I.D.	FS225			FS225V		
3/8 I.D.	FS226	FS226P		FS226V	FS226VP	

90° HOSE STEM

1/4 I.D.	FS214	FS214P		FS214V	FS214VP	
5/16 I.D.	FS215			FS215V		
3/8 I.D.	FS216	FS216P		FS216V	FS216VP	

STRAIGHT HOSE STEM

HOSE STEM	PUSH-ON STEM	
CAT. NO.	CAT. NO.	
3/8 I.D.	FS306	FS306P
1/2 I.D.	FS308	FS308P
		FS306V2 FS306VP2
		FS308V2 FS308VP2

45° HOSE STEM

3/8 I.D.	FS326	FS326P		FS326V	FS326VP		FS326V2 FS326VP2	
1/2 I.D.	FS328	FS328P		FS328V	FS328VP		FS328V2 FS328VP2	

90° HOSE STEM

3/8 I.D.	FS316	FS316P		FS316V	FS316VP		FS316V2 FS316VP2	
1/2 I.D.	FS318	FS318P		FS318V	FS318VP		FS318V2 FS318VP2	

STRAIGHT HOSE STEM

1/2 I.D.	FS504	FS504P	
3/4 I.D.	FS506		

45° HOSE STEM

1/2 I.D.	FS524	FS524P	
3/4 I.D.	FS526		

90° HOSE STEM

1/2 I.D.	FS514	FS514P	
3/4 I.D.	FS516		

NOTE: Sockets are available without straight or angle hose stems. Catalog numbers and socket body FPT sizes are as follows:

Cat. No.	FPT
FS200	1/8"
FS200V	1/8"
FS300	1/4"
FS300V	1/4"
FS300HF	3/8"
FS500	1/2"

NOTE: Catalog No. FS308 and FS318 are available in a high flow version having a flow of 13.8 GPM.

HOSE STEM Cat. No.	PUSH-ON STEM Cat. No.
FS308HF	FS308HFP
FS318HF	FS318HFP

REPAIR PARTS

	SEAL Cat. No.	VALVE O-RING Cat. No.	SPRING Cat. No.
FJT200 FJT200V	W200	007-10460	VS200
FJT300 FJT300V	W300	0105-10460	VS300
FJT500	W500		



FJT SERIES
1/4" PLUG
ACTUAL SIZE



FJT SERIES
3/8" PLUG
ACTUAL SIZE



FJT SERIES
1/2" PLUG
ACTUAL SIZE



Rubber & Specialties, Inc.



Reusable Hose Fittings

Working Pressure

300 PSIG

Series 2246

FOSTER
MANUFACTURING COMPANY

REUSABLE - MALE PIPE THREADS



SWIVEL



FREE SWIVEL UNDER PRESSURE

ID	OD	1/8 MPT CAT. NO.	1/4 MPT CAT. NO.	3/8 MPT CAT. NO.	1/2 MPT CAT. NO.	1/4 MPT CAT. NO.	3/8 MPT CAT. NO.	1/2 MPT CAT. NO.
3/16 X 3/8		1AA	2AA					
3/16 X 7/16		1AO	2AO					
3/16 X 15/32		1A1	2A1					
3/16 X 1/2		1A3	2A3					
1/4 X 1/2		1B3	2B3	4B3		2B3MS		
1/4 X 9/16		1B5	2B5	4B5		2B5MS		
1/4 X 5/8		1B7	2B7	4B7		2B7MS		
1/4 X 11/16		1B9	2B9	4B9		2B9MS		
5/16 X 9/16			2C5					
5/16 X 5/8			2C7					
5/16 X 11/16			2C9					
3/8 X 5/8			2D7	4D7	6D7	4D7MS		
3/8 X 11/16			2D9	4D9	6D9	4D9MS		
3/8 X 3/4			2D11	4D11	6D11	4D11MS		
3/8 X 13/16			2D13	4D13	6D13	4D13MS		
1/2 X 13/16			2P13	4P13	6P13		6P13MS	
1/2 X 7/8			2P15	4P15	6P15		6P15MS	
1/2 X 15/16			2P17	4P17	6P17		6P17MS	
1/2 X 1			2P19	4P19	6P19		6P19MS	

REUSABLE - FEMALE SWIVEL



HOSE SPLICER



ID	OD	NO. 1 NUT 9/16-20 NS CAT. NO.	NO. 2 NUT 5/8-18 NF CAT. NO.	NO. 3 NUT 1/4-18 NPS CAT. NO.	NO. 6 NUT 3/8-18 NPS CAT. NO.	NO. 10 NUT 1/2-14 NPS CAT. NO.	OXYGEN 9/16-18 R.H. CAT. NO.	ACETYLENE 9/16-18 L.H. CAT. NO.	HOSE SPLICER CAT. NO.
3/16 x 3/8		1AA-S	2AA-S	5AA-S			R4AA-S	L4AA-S	
3/16 x 7/16		1AO-S	2AO-S	5AO-S			R4AO-S	L4AO-S	
3/16 x 15/32		1A1-S	2A1-S	5A1-S			R4A1-S	L4A1-S	
3/16 x 1/2		1A3-S	2A3-S	5A3-S			R4A3-S	L4A3-S	
1/4 x 1/2		1B3-S	2B3-S	5B3-S			R4B3-S	L4B3-S	HS-B3
1/4 x 9/16		1B5-S	2B5-S	5B5-S			R4B5-S	L4B5-S	HS-B5
1/4 x 5/8		1B7-S	2B7-S	5B7-S			R4B7-S	L4B7-S	HS-B7
1/4 x 11/16		1B9-S	2B9-S	5B9-S			R4B9-S	L4B9-S	HS-B9
5/16 x 9/16		1C5-S		5C5-S			R4C5-S	L4C5-S	
5/16 x 5/8		1C7-S		5C7-S			R4C7-S	L4C7-S	
5/16 x 11/16		1C9-S		5C9-S			R4C9-S	L4C9-S	
3/8 x 5/8		1D7-S	2D7-S	5D7-S	8D7-S		R4D7-S	L4D7-S	HS-D7
3/8 x 11/16		1D9-S	2D9-S	5D9-S	8D9-S		R4D9-S	L4D9-S	HS-D9
3/8 x 3/4		1D11-S	2D11-S	5D11-S	8D11-S		R4D11-S	L4D11-S	HS-D11
3/8 x 13/16		1D13-S	2D13-S	5D13-S	8D13-S		R4D13-S	L4D13-S	HS-D13
1/2 x 13/16						10P13-S			
1/2 x 7/8						10P15-S			
1/2 x 15/16						10P17-S			
1/2 x 1						10P19-S			

ADAPTERS



1/4MPT	1-2M	5-2M		
3/8 MPT	1-3M		10-3M	
1/2 MPT			10-4M	
9/16-18 x 9/16-18			R4-R4	L4-L4
9/16-18 x 1/4 MPT				L4-2M

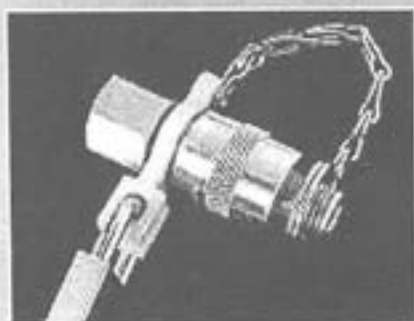


FOSTER
MANUFACTURING COMPANY

Three Way Sleeve Valves & Swivel Fittings

Series 2246

"FOST-AIR" THREE WAY SLEEVE VALVE



	SLEEVE VALVE CAT. NO.	LOCKOUT CAT. NO.
1/8 NPT	3W-125	
1/4 NPT	3W-250	LO250
3/8 NPT	3W-375	LO375
1/2 NPT	3W-500	LO500

- Provides low cost ON-OFF-EXHAUST operation.
- Slide the sleeve to the ON position. Exhaust ports are closed, valve is open. Reversing the sleeve, opens exhaust ports, shuts off flow.
- Ports covered for protection against exhaust flow.
- Patented body detent secures sleeve position.
- Valve with lockout complies with OSHA Standard 29 CFR, Part 1910

Operating pressure: to 200 PSIG
Temperature Range: -25° to +200°F

PERFORMANCE DATA

	AIR FLOW - CFM 10 PSIG PRESSURE DROP	
	100 PSIG	80 PSIG
1/8 NPT	16	14.5
1/4 NPT	40	36
3/8 NPT	65	59
1/2 NPT	140	127

REPAIR PARTS

	SNAP RING	SLEEVE O-RING	BODY O-RING
3W-125	5103-43	111*	011
3W-250	5103-56	113*	013
3W-375	5103-68	115*	015
3W-500	5103-100	120*	020

* 2 required

90° SWIVEL

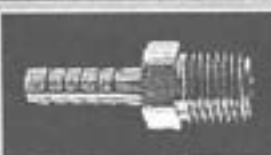


	CAT. NO.
1/4 MPT X 1/4 FPT	25US90

SWIVEL

FREE SWIVEL UNDER PRESSURE

MALE BARBED INSERT



	CAT. NO.
1/4 MPT X 1/4 ID	M7S
3/8 MPT X 3/8 ID	M13S
1/2 MPT X 1/2 ID	M17S

PUSH-ON SWIVEL



	CAT. NO.
1/4 MPT X 1/4 ID	PM7S
3/8 MPT X 3/8 ID	PM13S
1/2 MPT X 1/2 ID	PM17S

MALE TO FEMALE PIPE



	CAT. NO.
1/4 MPT X 1/4 FPT	25US
3/8 MPT X 3/8 FPT	38US
1/2 MPT X 1/2 FPT	50US

360 DEGREE UNIVERSAL SWIVEL, 1/4" NPT

BENEFITS

- Swivels 360 degrees in two independent planes
- Allows air hose to hang straight down when used with air tools
- Reduces operator fatigue
- Reduces the possibility of carpal tunnel syndrome
- Increases air hose life.

SPECIFICATIONS

- Pipe size: 1/4" NPT male x 1/4" NPT female

MAXIMUM WORKING PRESSURE

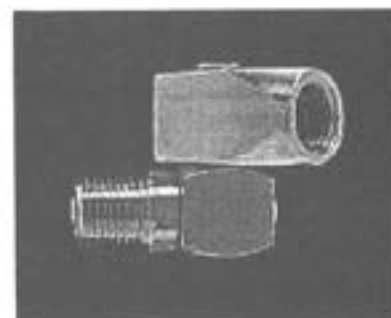
- 300 PSIG

MATERIALS OF CONSTRUCTION

- Body: Brass and plated steel
- Seals: Buna N

CATALOG PART NO.

25US36





Aeroquip Match Mate Plus Hose & Fittings

MATCHMATE Plus™



GH663 Single Wire braid meets DIN20 022 Type 1SN Exceeds SAE 100R1AT performance

HI-IMPULSE®

Construction: Synthetic rubber tube, single wire braid reinforcement and synthetic rubber cover.

Application: Hydraulic system service with petroleum and water-glycol base fluids, for general industrial service.

Operating Temperature Range:
-40°F. to +212°F. (-40°C. to +100°C.)

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (inches)	Weight Per Ft. (lbs.)
GH663-4	0.25	0.53	3250	13000	4.00	0.16
GH663-6	0.38	0.69	3000	12000	5.00	0.25
GH663-8	0.50	0.81	2500	10000	7.00	0.30
GH663-12	0.75	1.09	1800	7200	9.50	0.45
GH663-16	1.00	1.41	1300	5200	12.00	0.68
GH663-20	1.25	1.70	950	3800	16.50	0.64
GH663-24	1.50	2.00	735	2940	20.00	0.90
GH663-32	2.00	2.52	600	2400	25.00	1.48

*GH663 Single Wire Hose uses TTC One Piece Fittings.



GH793 Double wire braid meets DIN20 022 Type 2SN Exceeds SAE 100R2AT performance

HI-IMPULSE®

Construction: Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover.

Application: Hydraulic system service with petroleum and water base fluids, for general industrial service.

Operating Temperature Range:
-40°F. to +212°F. (-40°C. to +100°C.)

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (inches)	Weight Per Ft. (lbs.)
GH793-4	0.25	0.60	5750	23000	4.00	0.26
GH793-6	0.38	0.75	5000	20000	5.00	0.38
GH793-8	0.50	0.87	4250	17000	7.00	0.46
GH793-10	0.62	0.98	3625	14500	8.00	0.54
GH793-12	0.75	1.16	3125	12500	9.50	0.66
GH793-16	1.00	1.50	2500	10000	12.00	1.01
GH793-20	1.25	1.92	2250	9000	16.50	1.54
GH793-24	1.50	2.15	1800	7200	20.00	1.68
GH793-32	2.00	2.51	1500	6000	25.00	2.22

*GH793 Double Wire Hose uses TTC One Piece Fittings.



GH781 Double wire braid exceeds DIN20 022 Type 2 performance

HI-IMPULSE® at 1/2 SAE Bend Radii

Construction: Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover. Meets or exceeds DIN requirements at 1/2 SAE Bend Radii.

Application: Hydraulic system service with petroleum and water base fluids, for general industrial service.

Operating Temperature Range:
-40°F. to +212°F. (-40°C. to +100°C.)

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (inches)	Weight Per Ft. (lbs.)
GH781-4	0.25	0.53	5750	23000	2.00	0.22
GH781-6	0.38	0.69	5000	20000	2.50	0.29
GH781-8	0.50	0.81	4250	17000	3.50	0.39
GH781-10	0.62	0.93	3625	14500	4.00	0.44
GH781-12	0.75	1.10	3125	12500	4.75	0.53
GH781-16	1.00	1.42	2500	10000	6.00	0.72
GH781-20	1.25	1.65	2250	9000	8.25	1.09
GH781-24	1.50	2.03	1800	7200	10.00	1.40
GH781-32	2.00	2.53	1300	5200	12.50	1.90

*GH781 Double Wire Hose uses TTC One Piece Fittings.



Aeroquip Match Mate Plus Hose & Fittings

		GH493 Four heavy spiral wire SAE 100R12				
Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (inches)	Weight Per Ft. (lbs.)
GH493-6	0.38	0.79	4000	16000	5.00	0.47
GH493-8	0.50	0.92	4000	16000	7.00	0.59
GH493-10	0.63	1.11	4000	16000	9.50	0.80
GH493-12	0.75	1.20	4000	16000	9.50	0.92
GH493-16	1.00	1.48	4000	16000	12.00	1.22
GH493-20	1.25	1.83	3000	12000	16.50	1.64
GH493-24	1.50	2.12	2500	10000	20.00	2.10
GH493-32	2.00	2.64	2500	10000	25.00	2.98

*GH493 4 Spiral Hose uses TTC12 One Piece Fittings.

		GH194 Single Wire braid meets DIN20 022 Type 15N Exceeds SAE 100R1AT performance				
Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (inches)	Weight Per Ft. (lbs.)
GH194-4	0.25	0.53	3250	13000	4.00	0.17
GH194-6	0.38	0.69	3000	12000	5.00	0.25
GH194-8	0.50	0.81	2500	10000	7.00	0.30
GH194-10	0.63	0.94	2000	8000	8.00	0.36
GH194-12	0.75	1.09	1800	7200	9.50	0.46
GH194-16	1.00	1.41	1300	5200	12.00	0.66
GH194-20	1.25	1.73	900	3600	16.50	0.85

*GH194 Single Wire Hose uses TTC One Piece Fittings.

		GH195 Double wire braid meets DIN20 022 Type 25N Exceeds SAE 100R2AT performance				
Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (inches)	Weight Per Ft. (lbs.)
GH195-4	0.25	0.60	5750	23000	4.00	0.27
GH195-6	0.38	0.75	5000	20000	5.00	0.39
GH195-8	0.50	0.87	4250	17000	7.00	0.46
GH195-10	0.625	0.975	3250	13000	8.00	0.54
GH195-12	0.75	1.16	3000	12000	9.50	0.67
GH195-16	1.00	1.49	2500	10000	12.00	0.97
GH195-20	1.25	1.92	2250	9000	16.50	1.60
GH195-24	1.50	2.15	1750	7000	20.00	1.74
GH195-32	2.00	2.67	1500	6000	25.00	2.27

*GH195 Double Wire Hose uses TTC One Piece Fittings.



Aeroquip Match Mate Plus Hose & Fittings

BRUISER

BRUISER

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FC735 BRUISER

Double wire braid meets DIN20 022 Type 2SN
HI-IMPULSE at 1/2 SAE bend radius

Construction: Synthetic rubber tube, double wire braid reinforcement, synthetic rubber intermediate cover, and BRUISER outer cover. Meets or exceeds DIN requirements at 1/2 SAE bend radius.

Application: High abrasion applications. Hydraulic system service with petroleum and water base fluids, for general industrial service.

Operating Temperature Range: -40°F. to +212°F. (-40°C. to +100°C.). Maximum ambient temperature: 180°F (82°C.).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (inches)	Weight Per Ft. (lbs.)
FC735-4*	0.25	0.53	5000*	20000*	2.00	0.22
FC735-6	0.38	0.69	5000	20000	2.50	0.29
FC735-8	0.50	0.81	4250	17000	3.50	0.39
FC735-10	0.62	0.93	3625	14500	4.00	0.44
FC735-12	0.75	1.10	3125	12500	4.75	0.53
FC735-16	1.00	1.42	2500	10000	6.00	0.72
FC735-20	1.25	1.70	2250	9000	8.25	1.09

*Meets SAE100R2 Pressures. *FC735 Double Wire Hose uses TTC One Piece Fittings.

BRUISER 0000



FC736 BRUISER

Four heavy spiral wire
Exceeds SAE 100R12

Construction: Synthetic rubber tube, 4-heavy spiral wire reinforcement, synthetic rubber intermediate cover, and BRUISER outer cover.

Application: High abrasion applications. Hydraulic system service with petroleum and water base fluids, for general industrial service. For more information contact your Aeroquip dealer.

Operating Temperature Range: -40°F. to +250°F. (-40°C. to +121°C.). Maximum ambient temperature: 180°F (82°C.).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (inches)	Weight Per Ft. (lbs.)
FC736-6	0.38	0.79	4000	16000	5.00	0.47
FC736-8	0.50	0.92	4000	16000	7.00	0.59
FC736-10	0.63	1.11	4000	16000	9.50	0.80
FC736-12	0.75	1.20	4000	16000	9.50	0.92
FC736-16	1.00	1.48	4000	16000	12.00	1.22
FC736-20	1.25	1.83	3000	12000	16.50	1.64

*4000 PSI Working Pressure and 16000 PSI Burst with thru-the-cover TTC12 fittings. *FC736 4 Spiral Hose uses TTC12 One Piece Fittings.

EPHA[®] Hose Looms



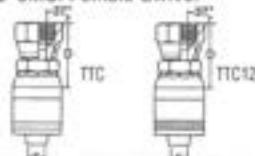
Part Number	Description
HLM-48	Case of 48 mixed Hose Looms

Features:

- Prevents hose abrasion at points of contact
- Keeps multiple hoses organized
- Simplifies hose routing
- Prevents damage from unrestrained hoses
- Easy to install
- Available in 4 sizes - 3/4", 1", 1 1/4", 1 1/2"
- Packed in colorful counter display boxes of 48
- Also available in mixed boxes of 48 (12 of each size) or refill bags of 12

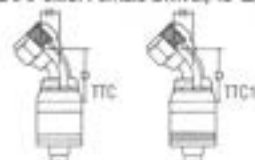
Aeroquip Match Mate Plus Hose & Fittings

FJ J.I.C. Female Swivel



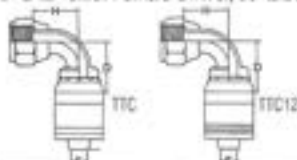
Part No. TTC	Part No. TTC12	Thread	Hose Size
1AA3FJ4		1/4" - 24	4
1AA4FJ4		1/2" - 20	4
1AA5FJ4		3/8" - 20	4
1AA6FJ4		1/2" - 18	4
1AA7FJ4		3/4" - 18	4
1AA8FJ4	1BA4FJ8	1/2" - 20	6
1AA9FJ4		3/4" - 20	6
1AA10FJ4	1BA6FJ6	1/2" - 18	6
1AA11FJ4	1BA8FJ6	3/4" - 16	6
1AA12FJ4	1BA10FJ6	1/2" - 16	8
1AA13FJ4	1BA12FJ6	3/4" - 14	8
1AA14FJ4	1BA14FJ6	1/2" - 12	8
1AA15FJ4	1BA16FJ6	3/4" - 12	8
1AA16FJ4	1BA18FJ6	1/2" - 14	10
1AA17FJ4	1BA20FJ6	3/4" - 12	10
1AA18FJ4	1BA22FJ6	1/2" - 12	12
1AA19FJ4	1BA24FJ6	3/4" - 12	12
1AA20FJ4	1BA26FJ6	1/2" - 12	12
1AA21FJ4	1BA28FJ6	3/4" - 12	12
1AA22FJ4	1BA30FJ6	1/2" - 12	16
1AA23FJ4	1BA32FJ6	3/4" - 12	16
1AA24FJ4	1BA34FJ6	1/2" - 12	16
1AA25FJ4	1BA36FJ6	3/4" - 12	16
1AA26FJ4	1BA38FJ6	1/2" - 12	16
1AA27FJ4	1BA40FJ6	3/4" - 12	16
1AA28FJ4	1BA42FJ6	1/2" - 12	20
1AA29FJ4	1BA44FJ6	3/4" - 12	20
1AA30FJ4	1BA46FJ6	1/2" - 12	20
1AA31FJ4	1BA48FJ6	3/4" - 12	20
1AA32FJ4	1BA50FJ6	1/2" - 12	20
1AA33FJ4	1BA52FJ6	3/4" - 12	20
1AA34FJ4	1BA54FJ6	1/2" - 12	20
1AA35FJ4	1BA56FJ6	3/4" - 12	20
1AA36FJ4	1BA58FJ6	1/2" - 12	20
1AA37FJ4	1BA60FJ6	3/4" - 12	20
1AA38FJ4	1BA62FJ6	1/2" - 12	20
1AA39FJ4	1BA64FJ6	3/4" - 12	20
1AA40FJ4	1BA66FJ6	1/2" - 12	20
1AA41FJ4	1BA68FJ6	3/4" - 12	20
1AA42FJ4	1BA70FJ6	1/2" - 12	20
1AA43FJ4	1BA72FJ6	3/4" - 12	20
1AA44FJ4	1BA74FJ6	1/2" - 12	20
1AA45FJ4	1BA76FJ6	3/4" - 12	20
1AA46FJ4	1BA78FJ6	1/2" - 12	20
1AA47FJ4	1BA80FJ6	3/4" - 12	20
1AA48FJ4	1BA82FJ6	1/2" - 12	20
1AA49FJ4	1BA84FJ6	3/4" - 12	20
1AA50FJ4	1BA86FJ6	1/2" - 12	20
1AA51FJ4	1BA88FJ6	3/4" - 12	20
1AA52FJ4	1BA90FJ6	1/2" - 12	20
1AA53FJ4	1BA92FJ6	3/4" - 12	20
1AA54FJ4	1BA94FJ6	1/2" - 12	20
1AA55FJ4	1BA96FJ6	3/4" - 12	20
1AA56FJ4	1BA98FJ6	1/2" - 12	20
1AA57FJ4	1BA100FJ6	3/4" - 12	20
1AA58FJ4	1BA102FJ6	1/2" - 12	20
1AA59FJ4	1BA104FJ6	3/4" - 12	20
1AA60FJ4	1BA106FJ6	1/2" - 12	20
1AA61FJ4	1BA108FJ6	3/4" - 12	20
1AA62FJ4	1BA110FJ6	1/2" - 12	20
1AA63FJ4	1BA112FJ6	3/4" - 12	20
1AA64FJ4	1BA114FJ6	1/2" - 12	20
1AA65FJ4	1BA116FJ6	3/4" - 12	20
1AA66FJ4	1BA118FJ6	1/2" - 12	20
1AA67FJ4	1BA120FJ6	3/4" - 12	20
1AA68FJ4	1BA122FJ6	1/2" - 12	20
1AA69FJ4	1BA124FJ6	3/4" - 12	20
1AA70FJ4	1BA126FJ6	1/2" - 12	20
1AA71FJ4	1BA128FJ6	3/4" - 12	20
1AA72FJ4	1BA130FJ6	1/2" - 12	20
1AA73FJ4	1BA132FJ6	3/4" - 12	20
1AA74FJ4	1BA134FJ6	1/2" - 12	20
1AA75FJ4	1BA136FJ6	3/4" - 12	20
1AA76FJ4	1BA138FJ6	1/2" - 12	20
1AA77FJ4	1BA140FJ6	3/4" - 12	20
1AA78FJ4	1BA142FJ6	1/2" - 12	20
1AA79FJ4	1BA144FJ6	3/4" - 12	20
1AA80FJ4	1BA146FJ6	1/2" - 12	20
1AA81FJ4	1BA148FJ6	3/4" - 12	20
1AA82FJ4	1BA150FJ6	1/2" - 12	20
1AA83FJ4	1BA152FJ6	3/4" - 12	20
1AA84FJ4	1BA154FJ6	1/2" - 12	20
1AA85FJ4	1BA156FJ6	3/4" - 12	20
1AA86FJ4	1BA158FJ6	1/2" - 12	20
1AA87FJ4	1BA160FJ6	3/4" - 12	20
1AA88FJ4	1BA162FJ6	1/2" - 12	20
1AA89FJ4	1BA164FJ6	3/4" - 12	20
1AA90FJ4	1BA166FJ6	1/2" - 12	20
1AA91FJ4	1BA168FJ6	3/4" - 12	20
1AA92FJ4	1BA170FJ6	1/2" - 12	20
1AA93FJ4	1BA172FJ6	3/4" - 12	20
1AA94FJ4	1BA174FJ6	1/2" - 12	20
1AA95FJ4	1BA176FJ6	3/4" - 12	20
1AA96FJ4	1BA178FJ6	1/2" - 12	20
1AA97FJ4	1BA180FJ6	3/4" - 12	20
1AA98FJ4	1BA182FJ6	1/2" - 12	20
1AA99FJ4	1BA184FJ6	3/4" - 12	20
1AA100FJ4	1BA186FJ6	1/2" - 12	20

FJA J.I.C. Female Swivel, 45° Elbow



Part No. TTC	Part No. TTC12	Thread	Hose Size
1AA4FJA4		1/4" - 20	4
1AA5FJA4		1/2" - 20	4
1AA6FJA4		3/8" - 20	4
1AA7FJA4		1/2" - 18	4
1AA8FJA4	1BA4FJA8	1/2" - 20	6
1AA9FJA4	1BA6FJA6	1/2" - 18	6
1AA10FJA4	1BA8FJA6	3/4" - 16	6
1AA11FJA4	1BA10FJA6	1/2" - 14	8
1AA12FJA4	1BA12FJA6	3/4" - 14	10
1AA13FJA4	1BA14FJA6	1/2" - 12	10
1AA14FJA4	1BA16FJA6	3/4" - 12	12
1AA15FJA4	1BA18FJA6	1/2" - 12	12
1AA16FJA4	1BA20FJA6	3/4" - 12	16
1AA17FJA4	1BA22FJA6	1/2" - 12	16
1AA18FJA4	1BA24FJA6	3/4" - 12	16
1AA19FJA4	1BA26FJA6	1/2" - 12	20
1AA20FJA4	1BA28FJA6	3/4" - 12	20
1AA21FJA4	1BA30FJA6	1/2" - 12	20
1AA22FJA4	1BA32FJA6	3/4" - 12	20
1AA23FJA4	1BA34FJA6	1/2" - 12	20
1AA24FJA4	1BA36FJA6	3/4" - 12	20
1AA25FJA4	1BA38FJA6	1/2" - 12	20
1AA26FJA4	1BA40FJA6	3/4" - 12	20
1AA27FJA4	1BA42FJA6	1/2" - 12	20
1AA28FJA4	1BA44FJA6	3/4" - 12	20
1AA29FJA4	1BA46FJA6	1/2" - 12	20
1AA30FJA4	1BA48FJA6	3/4" - 12	20
1AA31FJA4	1BA50FJA6	1/2" - 12	20
1AA32FJA4	1BA52FJA6	3/4" - 12	20
1AA33FJA4	1BA54FJA6	1/2" - 12	20
1AA34FJA4	1BA56FJA6	3/4" - 12	20
1AA35FJA4	1BA58FJA6	1/2" - 12	20
1AA36FJA4	1BA60FJA6	3/4" - 12	20
1AA37FJA4	1BA62FJA6	1/2" - 12	20
1AA38FJA4	1BA64FJA6	3/4" - 12	20
1AA39FJA4	1BA66FJA6	1/2" - 12	20
1AA40FJA4	1BA68FJA6	3/4" - 12	20
1AA41FJA4	1BA70FJA6	1/2" - 12	20
1AA42FJA4	1BA72FJA6	3/4" - 12	20
1AA43FJA4	1BA74FJA6	1/2" - 12	20
1AA44FJA4	1BA76FJA6	3/4" - 12	20
1AA45FJA4	1BA78FJA6	1/2" - 12	20
1AA46FJA4	1BA80FJA6	3/4" - 12	20
1AA47FJA4	1BA82FJA6	1/2" - 12	20
1AA48FJA4	1BA84FJA6	3/4" - 12	20
1AA49FJA4	1BA86FJA6	1/2" - 12	20
1AA50FJA4	1BA88FJA6	3/4" - 12	20
1AA51FJA4	1BA90FJA6	1/2" - 12	20
1AA52FJA4	1BA92FJA6	3/4" - 12	20
1AA53FJA4	1BA94FJA6	1/2" - 12	20
1AA54FJA4	1BA96FJA6	3/4" - 12	20
1AA55FJA4	1BA98FJA6	1/2" - 12	20
1AA56FJA4	1BA100FJA6	3/4" - 12	20
1AA57FJA4	1BA102FJA6	1/2" - 12	20
1AA58FJA4	1BA104FJA6	3/4" - 12	20
1AA59FJA4	1BA106FJA6	1/2" - 12	20
1AA60FJA4	1BA108FJA6	3/4" - 12	20
1AA61FJA4	1BA110FJA6	1/2" - 12	20
1AA62FJA4	1BA112FJA6	3/4" - 12	20
1AA63FJA4	1BA114FJA6	1/2" - 12	20
1AA64FJA4	1BA116FJA6	3/4" - 12	20
1AA65FJA4	1BA118FJA6	1/2" - 12	20
1AA66FJA4	1BA120FJA6	3/4" - 12	20
1AA67FJA4	1BA122FJA6	1/2" - 12	20
1AA68FJA4	1BA124FJA6	3/4" - 12	20
1AA69FJA4	1BA126FJA6	1/2" - 12	20
1AA70FJA4	1BA128FJA6	3/4" - 12	20
1AA71FJA4	1BA130FJA6	1/2" - 12	20
1AA72FJA4	1BA132FJA6	3/4" - 12	20
1AA73FJA4	1BA134FJA6	1/2" - 12	20
1AA74FJA4	1BA136FJA6	3/4" - 12	20
1AA75FJA4	1BA138FJA6	1/2" - 12	20
1AA76FJA4	1BA140FJA6	3/4" - 12	20
1AA77FJA4	1BA142FJA6	1/2" - 12	20
1AA78FJA4	1BA144FJA6	3/4" - 12	20
1AA79FJA4	1BA146FJA6	1/2" - 12	20
1AA80FJA4	1BA148FJA6	3/4" - 12	20
1AA81FJA4	1BA150FJA6	1/2" - 12	20
1AA82FJA4	1BA152FJA6	3/4" - 12	20
1AA83FJA4	1BA154FJA6	1/2" - 12	20
1AA84FJA4	1BA156FJA6	3/4" - 12	20
1AA85FJA4	1BA158FJA6	1/2" - 12	20
1AA86FJA4	1BA160FJA6	3/4" - 12	20
1AA87FJA4	1BA162FJA6	1/2" - 12	20
1AA88FJA4	1BA164FJA6	3/4" - 12	20
1AA89FJA4	1BA166FJA6	1/2" - 12	20
1AA90FJA4	1BA168FJA6	3/4" - 12	20
1AA91FJA4	1BA170FJA6	1/2" - 12	20
1AA92FJA4	1BA172FJA6	3/4" - 12	20
1AA93FJA4	1BA174FJA6	1/2" - 12	20
1AA94FJA4	1BA176FJA6	3/4" - 12	20
1AA95FJA4	1BA178FJA6	1/2" - 12	20
1AA96FJA4	1BA180FJA6	3/4" - 12	20
1AA97FJA4	1BA182FJA6	1/2" - 12	20
1AA98FJA4	1BA184FJA6	3/4" - 12	20
1AA99FJA4	1BA186FJA6	1/2" - 12	20
1AA100FJA4	1BA188FJA6	3/4" - 12	20

FJB J.I.C. Female Swivel, 90° Elbow



Part No. TTC	Part No. TTC12	Thread	Hose Size
1AA4FJB4		1/4" - 20	4
1AA5FJB4		1/2" - 20	4
1AA6FJB4		3/8" - 18	4
1AA7FJB4	1BA6FJB6	1/2" - 18	6
1AA8FJB6	1BA8FJB6	1/2" - 16	6
1AA9FJB8		3/4" - 18	8
1AA10FJB8	1BA10FJB8	1/2" - 16	8
1AA11FJB8	1BA12FJB8	3/4" - 14	8
1AA12FJB8	1BA14FJB8	1/2" - 14	10
1AA13FJB8	1BA16FJB8	3/4" - 12	10
1AA14FJB8	1BA18FJB8	1/2" - 12	12
1AA15FJB8	1BA19FJB8	1/2" - 12	12
1AA16FJB8	1BA20FJB8	3/4" - 12	12
1AA17FJB8	1BA22FJB8	1/2" - 12	16
1AA18FJB8	1BA24FJB8	3/4" - 12	16
1AA19FJB8	1BA26FJB8	1/2" - 12	16
1AA20FJB8	1BA28FJB8	3/4" - 12	20
1AA21FJB8*	1BA30FJB8	1/2" - 12	20
	1BA32FJB8	3/4" - 12	24
	1BA34FJB8	1/2" - 12	30



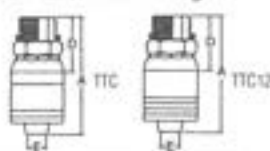
Aeroquip Match Mate Plus Hose & Fittings

PS N.P.T.F. Male Pipe Swivel



Part No. TTC	Part No.	Thread	Hose Size
1AA4PS4		1/4 - 18	4
1AA6PS6		1/2 - 18	6
1AA8PS8		3/4 - 14	8
1AA8PS8		1 - 18	8
1AA8PS8		1 1/2 - 14	8
1AA12PS12		1 1/2 - 14	12
1AA16PS16		2 - 11	16

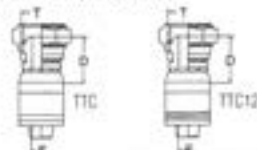
MB Male Boss O-Ring



Part No. TTC	Part No. TTC12	Thread	Hose Size
1AA4MB4		1/4 - 20	4
1AA6MB4		1/2 - 20	4
1AA8MB4		3/4 - 18	4
1AA8MB6	1BA8MB6	1/2 - 18	6
1AA8MB6	1BA8MB6	3/4 - 16	6
1AA8MB8	1BA8MB8	1 - 16	8
1AA10MB8	1BA10MB8	1 1/4 - 14	8
1AA12MB8	1BA12MB8	1 1/2 - 12	8
1AA10MB10	1BA10MB10	1 1/4 - 14	10
1AA12MB10	1BA12MB10	1 1/2 - 12	10
1AA12MB12	1BA12MB12	1 1/2 - 12	12
1AA16MB12	1BA16MB12	1 3/4 - 12	12
1AA16MB16	1BA16MB16	1 3/4 - 12	16
1AA16MB16	1BA16MB16	2 - 11	16
1AA20MB20*		2 - 11	20
1AA20MB20**		2 - 11	20
1AA24MB24	1BA24MB24	2 1/2 - 12	24

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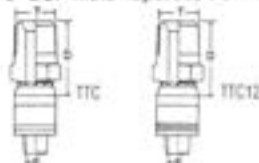
BF Female Swivel



Part No. TTC	Part No. TTC12	Thread	Hose Size
1A4BF4		1/4 - 18	4
1A6BF4		1/2 - 18	4
1A8BF6	1B8BF6	3/4 - 18	6
1A8BF6	1B8BF6	1 - 14	6
1A8BF8	1B8BF8	1 1/4 - 14	8
1A10BF8	1B10BF8	1 1/2 - 14	8
1A8BF10	1B8BF10	1 1/2 - 14	10
1A12BF8	1B12BF8	1 3/4 - 14	8
1A10BF10	1B10BF10	1 3/4 - 14	10
1A12BF10	1B12BF10	2 - 14	10
1A12BF12	1B12BF12	2 - 14	12
1A16BF16	1B16BF16	2 - 11	16
1A20BF20*	1B20BF20	2 1/4 - 11	20
1A20BF20**		2 1/4 - 11	20
1A24BF24	1B24BF24	2 1/2 - 11	24
1A32BF32		3 - 11	32

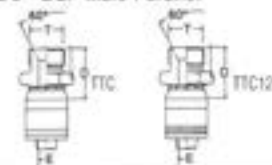
* 1 WIRE ** 2 WIRE

BT BSP Male Tapered, BSPT



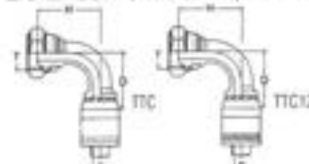
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A2BT4		1/4 - 28	4
1A4BT4		1/4 - 18	4
1A6BT6	1B6BT6	1/2 - 18	6
1A8BT8	1B8BT8	3/4 - 18	8
1A8BT8	1B8BT8	1 - 14	8
1A8BT10	1B8BT10	1 1/4 - 14	10
1A12BT10	1B12BT10	1 1/2 - 14	10
1A8BT12	1B8BT12	1 1/2 - 14	12
1A12BT12	1B12BT12	1 3/4 - 14	12
1A16BT12	1B16BT12	2 - 11	12
1A12BT16	1B12BT16	1 3/4 - 14	16
1A16BT16	1B16BT16	2 - 11	16
1A20BT16	1B20BT16	2 1/4 - 11	16
1A20BT20*	1B20BT20	2 1/4 - 11	20
1A20BT20**		2 1/4 - 11	20
1A20BT20**	1B20BT20	2 1/4 - 11	20
1A24BT20*	1B24BT20	2 1/2 - 11	20
1A24BT20**		2 1/2 - 11	20
1A24BT24	1B24BT24	2 1/2 - 11	24
1A32BT24	1B32BT24	3 - 11	24
1A32BT32		3 - 11	32

BP BSP Male Parallel



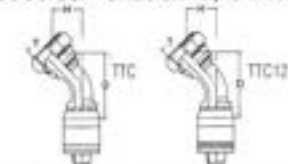
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A4BP4		1/4 - 18	4
1A6BP6	1B6BP6	1/2 - 18	6
1A8BP6	1B8BP6	3/4 - 14	6
1A8BP8	1B8BP8	1 - 14	8
1A10BP10	1B10BP10	1 1/4 - 14	10
1A12BP12	1B12BP12	1 1/2 - 14	12
1A16BP16	1B16BP16	2 - 11	16
1A20BP20*	1B20BP20	2 1/4 - 11	20
1A20BP20**		2 1/4 - 11	20
1A24BP24	1B24BP24	2 1/2 - 11	24
1A32BP32		3 - 11	32

BFB BSP Female Swivel, 90° Elbow



Part No. TTC	Part No. TTC12	Thread	Hose Size
1A4BFB4		1/4 - 18	4
1A6BFB6	1B6BFB6	1/2 - 18	6
1A8BFB6	1B8BFB6	3/4 - 14	6
1A8BFB8	1B8BFB8	1 - 14	8
1A10BFB8	1B10BFB8	1 1/4 - 14	8
1A10BFB10	1B10BFB10	1 1/2 - 14	10
1A12BFB10	1B12BFB10	1 3/4 - 14	10
1A12BFB12	1B12BFB12	2 - 11	12
1A16BFB16	1B16BFB16	2 - 11	16
1A20BFB20*	1B20BFB20	2 1/4 - 11	20
1A20BFB20**		2 1/4 - 11	20
1A24BFB24	1B24BFB24	2 1/2 - 11	24
1A32BFB32		3 - 11	32

BFA BSP Female Swivel, 45° Elbow

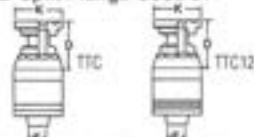


Part No. TTC	Part No. TTC12	Thread	Hose Size
1A4BFA4		1/4 - 18	4
1A6BFA6	1B6BFA6	1/2 - 18	6
1A8BFA6	1B8BFA6	3/4 - 14	6
1A8BFA8	1B8BFA8	1 - 14	8
1A10BFA10	1B10BFA10	1 1/4 - 14	10
1A12BFA12	1B12BFA12	1 1/2 - 14	12
1A16BFA16	1B16BFA16	2 - 11	16
1A20BFA20*	1B20BFA20	2 1/4 - 11	20
1A20BFA20**		2 1/4 - 11	20
1A24BFA24	1B24BFA24	2 1/2 - 11	24
1A32BFA32		3 - 11	32



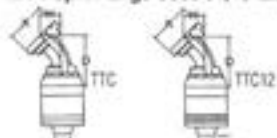
Aeroquip Match Mate Plus Hose & Fittings

FL Split Flange Code 61



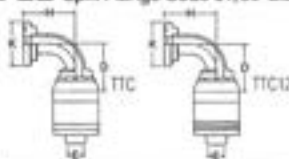
Part No. TTC	Part No. TTC12	Hose Size	KB
1A8FL8	1B8FL8	8	30.1
1A12FL8	1B12FL8	8	38.1
1A12FL10	1B12FL10	10	38.1
1A12FL12	1B12FL12	12	38.1
1A16FL12	1B16FL12	12	44.4
1A20FL12	1B20FL12	12	50.8
1A12FL16	1B12FL16	16	38.1
1A16FL16	1B16FL16	16	44.4
1A20FL16	1B20FL16	16	50.8
1A24FL16	1B24FL16	16	60.4
	1B16FL20	20	44.4
1A16FL20*		20	44.4
1A16FL20**		20	44.4
1A20FL20*	1B20FL20	20	50.8
1A20FL20**		20	50.8
1A24FL20*	1B24FL20	20	60.3
1A24FL20**		20	60.3
	1B32FL20	20	71.4
1A32FL20*		20	71.4
1A32FL20**		20	71.4
1A20FL24	1B20FL24	24	50.8
1A24FL24	1B24FL24	24	60.3
1A32FL24	1B32FL24	24	71.4
1A32FL32		32	71.4
	1B24FL32	32	60.3
	1B32FL32	32	71.4
	1B40FL32	32	84

FLA Split Flange Code 61, 45° Elbow



Part No. TTC	Part No. TTC12	Hose Size	KB
1A8FLA8	1B8FLA8	8	30.1
1A12FLA8	1B12FLA8	8	38.1
1A12FLA10	1B12FLA10	10	38.1
1A12FLA12	1B12FLA12	12	38.1
1A16FLA12	1B16FLA12	12	44.4
1A12FLA16	1B12FLA16	16	38.1
1A16FLA16	1B16FLA16	16	44.4
1A20FLA16	1B20FLA16	16	50.8
1A16FLA20*	1B16FLA20	20	44.4
1A16FLA20**		20	44.4
1A20FLA20*	1B20FLA20	20	50.8
1A20FLA20**		20	50.8
1A24FLA20*	1B24FLA20	20	60.3
1A24FLA20**		20	60.3
1A20FLA24		24	50.8
1A24FLA24	1B24FLA24	24	60.3
1A32FLA24	1B32FLA24	24	71.4
1A24FLA32		32	60.2
1A32FLA32		32	71.4
1A40FLA32		32	84.1
	1B32FLA32	32	71.4

FLB Split Flange Code 61, 90° Elbow



Part No. TTC	Part No. TTC12	Hose Size	KB
1A8FLB8	1B8FLB8	8	30.2
1A12FLB8	1B12FLB8	8	38.1
1A12FLB10	1B12FLB10	10	38.1
1A12FLB12	1B12FLB12	12	38.1
1A16FLB12	1B16FLB12	12	44.4
1A12FLB16	1B12FLB16	16	38.1
1A16FLB16	1B16FLB16	16	44.4
1A20FLB16	1B20FLB16	16	50.8
1A24FLB16	1B24FLB16	16	60.2
1A16FLB20*	1B16FLB20	20	44.4
1A16FLB20**		20	44.4
1A20FLB20**	1B20FLB20	20	50.8
1A20FLB20*		20	50.8
1A24FLB20*	1B24FLB20	20	60.3
1A24FLB20**		20	60.3
	1B16FL24	24	44.4
	1B16FL24	24	44.4
1A20FL24	1B20FL24	24	50.8
1A24FL24	1B24FL24	24	60.3
1A32FL24	1B32FL24	24	71.4
1A32FL32		32	71.4
	1B24FL32	32	60.3
	1B32FL32	32	71.4
	1B40FL32	32	84

FLD Split Flange Code 61, 22 1/2° Elbow



Part No.	Part No. TTC	Part No. TTC12	Hose Size	KB
	1B8FLD8		8	30.2
	1B12FLD8		8	38.1
	1B12FLD12		12	38.1
	1B16FLD12		12	44.4
1A16FLD16	1B16FLD16		16	44.4
	1B20FLD16		16	50.8
	1B20FLD20		20	50.8
1A20FLD20*	1B20FLD20		20	50.8
1A20FLD20**			20	50.8
	1B24FLD20		20	60.2
	1B24FLD24		24	60.2
	1B32FLD32		32	71.4

FLE Split Flange Code 61, 67 1/2° Elbow



Part No. TTC	Part No. TTC12	Hose Size	KB
	1B8FLE8	8	30.2
	1B12FLE12	12	38.1
	1B16FLE12	12	44.4
	1B16FLE16	16	44.4
	1B20FLE16	16	50.8
1A20FLE20*	1B20FLE20	20	50.8
1A20FLE20**		20	50.8
	1B20FLE20	20	50.8
	1B24FLE24	24	60.2
	1B32FLE32	32	71.4

FLF Split Flange Code 61, 30° Elbow



Part No. TTC	Hose Size	KB
1B8FLF8	8	30.2
1B12FLF12	12	38.1
1B16FLF12	12	44.4
1B16FLF16	16	44.4
1B20FLF16	16	50.8
1B20FLF20	20	50.8
1B24FLF20	20	60.2
1B24FLF24	24	60.2
1B32FLF32	32	71.4
1B40FLF32	32	84

FLG Split Flange Code 61, 60° Elbow

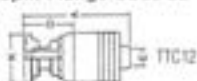


Part No.	Part No. TTC	Part No. TTC12	Hose Size	KB
	1B8FLG8		8	30.2
	1B12FLG12		12	38.1
	1B16FLG12		12	44.5
1A16FLG16	1B16FLG16		16	44.5
	1B20FLG16		16	50.8
	1B20FLG20		20	50.8
	1B24FLG20		20	60.2
1A24FLG24	1B24FLG24		24	60.2
	1B32FLG32		32	71.4



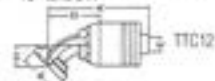
Aeroquip Match Mate Plus Hose & Fittings

FH Split Flange Code 62



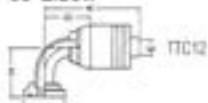
Part No. TTC 12	Hose Size	KD
1B8FR8	8	31.6
1B12FR8	8	41.4
1B12FR12	12	41.4
1B16FR12	12	47.5
1B16FR16	16	47.5
1B20FR16	16	54.1
1B20FR20	20	54.1
1B24FR20	20	63.5
1B24FR24	24	63.5
1B32FR24	32	79.3

FHA Split Flange Code 62, 45° Elbow



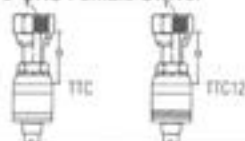
Part No. TTC 12	Hose Size	KD
1B12FHA12	12	41.4
1B16FHA16	16	47.5
1B20FHA16	16	54.1
1B20FHA20	20	54.1
1B24FHA24	24	63.5
1B32FHA32	32	79.3

FHB Split Flange Code 62, 90° Elbow



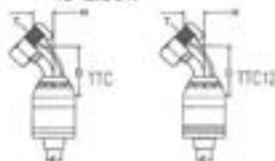
Part No. TTC 12	Hose Size	KD
1B8FHB8	8	31.7
1B12FHB12	12	41.4
1B16FHB12	12	47.5
1B16FHB16	16	47.5
1B20FHB16	16	54.1
1B20FHB20	20	54.1
1B24FHB24	24	63.5
1B32FHB32	32	79.3

FR ORS Female Swivel



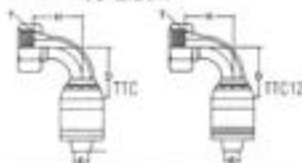
Part No. TTC	Part No. TTC12	Thread	Hose Size
1AA4FR4		1/8" - 18	4
1AA6FR4		1/8" - 18	4
1AA6FR6	1BA4FR6	1/8" - 18	6
1AA8FR6	1BA6FR6	1/8" - 18	6
1AA8FR8	1BA8FR8	1/8" - 16	8
1AA8FR8	1BA8FR8	1/8" - 16	8
1AA10FR8	1BA10FR8	1" - 14	8
1AA12FR8	1BA12FR8	1 1/8" - 12	8
1AA8FR10	1BA8FR10	1 1/8" - 16	10
1AA10FR10	1BA10FR10	1" - 14	10
1AA12FR10	1BA12FR10	1 1/8" - 12	10
1AA10FR12	1BA10FR12	1" - 14	12
1AA12FR12	1BA12FR12	1 1/8" - 12	12
1AA16FR12	1BA16FR12	1 1/8" - 12	12
1AA12FR16	1BA12FR16	1 1/8" - 12	16
1AA16FR16	1BA16FR16	1 1/8" - 12	16
1AA20FR16	1BA20FR16	1 1/8" - 12	16
1AR20FR20*	1BA20FR20	1 1/8" - 12	20
1AR20FR20**		1 1/8" - 12	20
	1BA24FR20	2" - 12	20
1AR24FR20*		2" - 12	20
1AR24FR20**		2" - 12	20
1A24FR24	1BA24FR24	2" - 12	24

FRA ORS Female Swivel, 45° Elbow



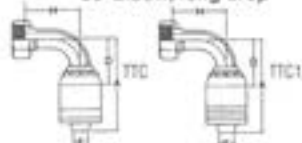
Part No. TTC	Part No. TTC12	Thread	Hose Size
1AA4FRA4		1/8" - 18	4
1AA6FRA4	1BA6FRA4	1/8" - 16	4
1AA6FRA6	1BA4FRA6	1/8" - 18	6
1AA6FRA6	1BA6FRA6	1/8" - 16	6
1AA8FRA6	1BA8FRA6	1/8" - 16	6
1AA8FRA8	1BA8FRA8	1/8" - 16	8
1AA10FRA8	1BA10FRA8	1" - 14	8
1AA12FRA8	1BA12FRA8	1 1/8" - 12	8
1AA10FRA10	1BA10FRA10	1" - 14	10
1AA12FRA10	1BA12FRA10	1 1/8" - 12	10
1AA12FRA12	1BA12FRA12	1 1/8" - 12	12
1AA16FRA12	1BA16FRA12	1 1/8" - 12	12
1AA16FRA16	1BA16FRA16	1 1/8" - 12	16
1AR20FRA20*	1BA20FRA20	1 1/8" - 12	20
1AR20FRA20**		1 1/8" - 12	20
	1BA24FRA20	2" - 12	20
1AR24FRA20*		2" - 12	20
1AR24FRA20**		2" - 12	20
1A24FRA24	1BA24FRA24	2" - 12	24

FRB ORS Female Swivel, 90° Elbow



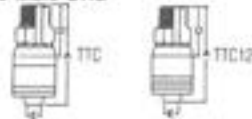
Part No. TTC	Part No. TTC12	Thread	Hose Size
1AA4FRB4		1/8" - 18	4
1AA6FRB4		1/8" - 16	4
1AA6FRB6		1/8" - 18	6
1AA8FRB6	1BA6FRB6	1/8" - 16	6
1AA8FRB6	1BA8FRB6	1/8" - 16	6
1AA8FRB8	1BA8FRB8	1/8" - 16	8
1AA8FRB8	1BA8FRB8	1/8" - 16	8
1AA10FRB8	1BA10FRB8	1" - 14	8
1AA12FRB8	1BA12FRB8	1 1/8" - 12	8
1AA10FR10	1BA10FRB10	1" - 14	10
1AA12FR10	1BA12FRB10	1 1/8" - 12	10
1AA10FR12		1" - 14	12
1AA12FR12	1BA12FRB12	1 1/8" - 12	12
1AA16FR12	1BA16FRB12	1 1/8" - 12	12
1AA16FR16	1BA16FRB16	1 1/8" - 12	16
1AA20FR16		1 1/8" - 12	16
1AR20FRB20*	1BA20FRB20	1 1/8" - 12	20
1AR20FRB20**		1 1/8" - 12	20
1A24FRB24	1BA24FRB24	2" - 12	24

FRC ORS Female Swivel, 90° Elbow, long drop



Part No. TTC	Part No. TTC12	Thread	Hose Size
1AA4FRC4		1/8" - 18	4
1AA6FRC4		1/8" - 16	4
1AA6FRC4		1/8" - 16	4
1AA6FRC6	1BA6FRC6	1/8" - 16	6
1AA8FRC6	1BA8FRC6	1/8" - 16	6
1AA8FRC8	1BA8FRC8	1/8" - 16	8
1AA10FRC8		1" - 14	8
1AA10FRC10	1BA10FRC10	1" - 14	10
1AA12FRC12	1BA12FRC12	1 1/8" - 12	12
1AA16FRC16	1BA16FRC16	1 1/8" - 12	16
1AR20FRC20*	1BA20FRC20	1 1/8" - 12	20
1AR20FRC20**		1 1/8" - 12	20
1A24FRC24		2" - 12	24

MR Male ORS

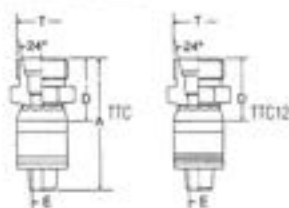


Part No. TTC	Part No. TTC12	Thread	Hose Size
1A4MR4		1/8" - 18	4
1A6MR6	1B6MR6	1/8" - 16	6
1A8MR8	1B8MR8	1/8" - 16	8
1A8MR8	1B8MR8	1/8" - 16	8
1A12MR12	1B12MR12	1 1/8" - 12	12
1A16MR12	1B16MR12	1 1/8" - 12	12

* 1 WIRE ** 2 WIRE

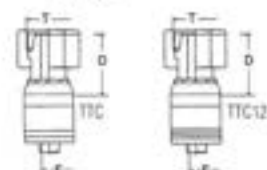
Aeroquip Match Mate Plus Hose & Fittings

MM Metric Male



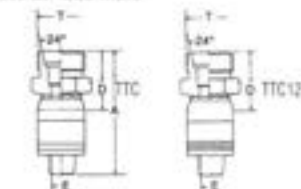
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A5MM4		M12 x 1	4
1A5MM4		M14 x 1.5	4
1A12MM6	1B12MM6	M18 x 1.5	6
1A14MM6	1B14MM6	M20 x 1.5	6
1A15MM8	1B15MM8	M22 x 1.5	8
1A16MM8	1B16MM8	M24 x 1.5	8
1A18MM10	1B18MM10	M27 x 1.5	10
1A20MM10	1B20MM10	M27 x 1.5	10
1A22MM12	1B22MM12	M30 x 1.5	12
1A25MM12	1B25MM12	M33 x 1.5	12

GM Metric Globeseal Female Swivel



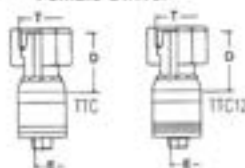
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A6GM4		M12 x 1	4
1A6GM4		M14 x 1.5	4
1A12GM6	1B12GM6	M18 x 1.5	6
1A14GM6	1B14GM6	M20 x 1.5	6
1A15GM8	1B15GM8	M22 x 1.5	8
1A16GM8	1B16GM8	M24 x 1.5	8
1A18GM10	1B18GM10	M27 x 1.5	10
1A20GM10	1B20GM10	M27 x 1.5	10
1A22GM12	1B22GM12	M30 x 1.5	12
1A25GM12	1B25GM12	M33 x 1.5	12

MG Gaz Male



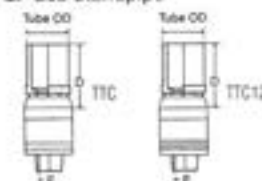
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A13MG6		M20 x 1.5	6
1A17MG8	1B17MG8	M24 x 1.5	8
1A21MG10	1B21MG10	M30 x 1.5	10
1A27MG12	1B27MG12	M36 x 1.5	12
1A34MG16	1B34MG16	M45 x 1.5	16
1AP42MG20*	1B42MG20	M52 x 1.5	20
1A711MG20**		7/16 x 1.5	20

GG Gaz Globeseal Female Swivel



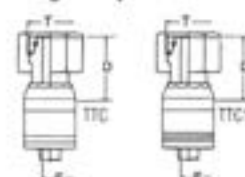
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A13GG6	1B13GG6	M20 x 1.5	6
1A17GG8	1B17GG8	M24 x 1.5	8
1A21GG10	1B21GG10	M30 x 1.5	10
1A27GG12	1B27GG12	M36 x 1.5	12
1A34GG16	1B34GG16	M45 x 1.5	16
1AP42GG20*	1B42GG20	M52 x 1.5	20
1A711GG20**		7/16 x 1.5	20

LG Gaz Standpipe



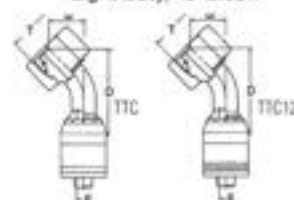
Part No. TTC	Part No. TTC12	Tube OD	Hose Size
1A13LG6	1B13LG6	13.25	6
1A17LG8	1B17LG8	16.75	8
1A21LG10	1B21LG10	21.25	10
1A27LG12	1B27LG12	26.75	12
1A34LG16	1B34LG16	33.5	16
1AP42LG20*	1B42LG20	42.25	20
1A711LG20**		42.25	20
1A711LG20**	1B48LG24	74	20

DL DKO Female Swivel, Light Duty



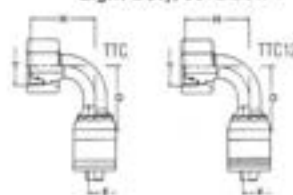
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A5DL3		M12 x 1.5	3
1A5DL4		M12 x 1.5	4
1A6DL4		M14 x 1.5	4
1A6DL4		M16 x 1.5	4
1A8DL6	1B8DL6	M16 x 1.5	6
1A10DL6	1B10DL6	M18 x 1.5	6
1A12DL8	1B12DL8	M22 x 1.5	8
1A16DL10	1B16DL10	M26 x 1.5	10
1A20DL12	1B20DL12	M30 x 2	12
1A25DL16	1B25DL16	M36 x 2	16
1AP32DL20*		M45 x 2	20
1A732DL20**		M45 x 2	20
1A40DL24	1B40DL24	M52 x 2	24

DLA DKO Female Swivel, Light Duty, 45° Elbow



Part No. TTC	Part No. TTC12	Thread	Hose Size
1A6DL4		M14 x 1.5	4
1A8DL6	1B8DL6	M16 x 1.5	6
1A10DL6	1B10DL6	M18 x 1.5	6
1A12DL8	1B12DL8	M22 x 1.5	8
1A16DL10	1B16DL10	M26 x 1.5	10
1A20DL12	1B20DL12	M30 x 2	12
1A25DL16	1B25DL16	M36 x 2	16
1AP32DL20*	1B32DL20	M45 x 2	20
1A732DL20**		M45 x 2	20
1A40DL24	1B40DL24	M52 x 2	24

DLB DKO Female Swivel, Light Duty, 90° Elbow



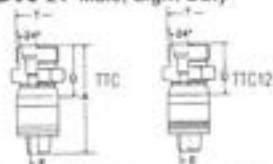
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A5DL4		M12 x 1.5	4
1A5DL4		M14 x 1.5	4
1A6DL6	1B6DL6	M16 x 1.5	6
1A10DL6	1B10DL6	M18 x 1.5	6
1A12DL8	1B12DL8	M22 x 1.5	8
1A16DL10	1B16DL10	M26 x 1.5	10
1A20DL12	1B20DL12	M30 x 2	12
1A25DL16	1B25DL16	M36 x 2	16
1AP32DL20*	1B32DL20	M45 x 2	20
1A732DL20**		M45 x 2	20
1A40DL24	1B40DL24	M52 x 2	24

**Call If
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See What
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Looking For**



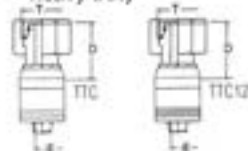
Aeroquip Match Mate Plus Hose & Fittings

DK 24" Male, Light Duty



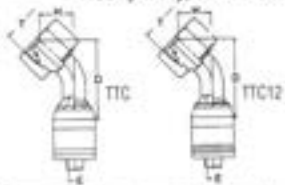
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A5DK4		M12 x 1.5	4
1A6DK4		M14 x 1.5	4
1A8DK6	188DK6	M16 x 1.5	6
1A10DK8	1810DK8	M18 x 1.5	8
1A12DK8	1812DK8	M22 x 1.5	8
1A16DK10	1816DK10	M24 x 1.5	10
1A20DK12	1820DK12	M30 x 2	12
1A25DK16	1825DK16	M36 x 2	16
1A32DK20	1832DK20	M45 x 2	20
1A32DK20**		M45 x 2	20
1A40DK24	1840DK24	M52 x 2	24

DS DKO Female Swivel, Heavy Duty



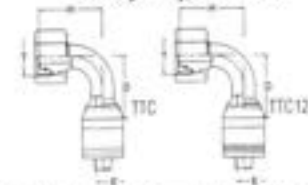
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A5DS4		M16 x 1.5	4
1A6DS4		M18 x 1.5	4
1A8DS6	188DS6	M20 x 1.5	6
1A10DS8	1810DS8	M22 x 1.5	8
1A12DS8	1812DS8	M24 x 1.5	8
1A16DS10	1816DS10	M30 x 2	10
1A20DS12	1820DS12	M36 x 2	12
1A25DS16	1825DS16	M42 x 2	16
1A32DS20	1832DS20	M52 x 2	20
1A32DS20**		M52 x 2	20

DSA DKO Female Swivel, Heavy Duty, 45° Elbow



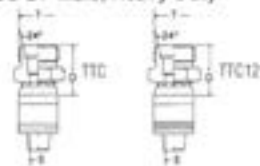
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A5DSA4		M16 x 1.5	4
1A6DSA6	186DSA6	M20 x 1.5	6
1A10DSA8	1810DSA8	M22 x 1.5	8
1A12DSA8	1812DSA8	M24 x 1.5	8
1A16DSA10	1816DSA10	M30 x 2	10
1A20DSA12	1820DSA12	M36 x 2	12
1A25DSA16	1825DSA16	M42 x 2	16
1A32DSA20	1832DSA20	M52 x 2	20
1A32DSA20**		M52 x 2	20

DSB DKO Female Swivel, Heavy Duty, 90° Elbow



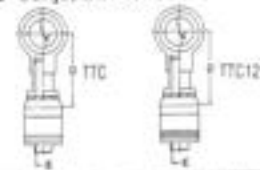
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A5DSB4		M16 x 1.5	4
1A6DSB4		M18 x 1.5	6
1A8DSB6		M18 x 1.5	6
1A8DSB6	1810DSB6	M20 x 1.5	6
1A10DSB8	1810DSB8	M22 x 1.5	8
1A12DSB8	1812DSB8	M24 x 1.5	8
1A16DSB10	1816DSB10	M30 x 2	10
1A20DSB12	1820DSB12	M36 x 2	12
1A25DSB16	1825DSB16	M42 x 2	16

EK 24" Male, Heavy Duty



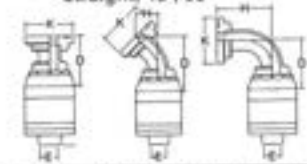
Part No. TTC	Part No. TTC12	Thread	Hose Size
1A5EK4		M16 x 1.5	4
1A6EK4		M18 x 1.5	4
1A8EK6	188EK6	M20 x 1.5	6
1A10EK8	1810EK8	M22 x 1.5	8
1A12EK8	1812EK8	M24 x 1.5	8
1A16EK10	1816EK10	M30 x 2	10
1A20EK12	1820EK12	M36 x 2	12
1A25EK16	1825EK16	M42 x 2	16
1A32EK20	1832EK20	M52 x 2	20
1A32EK20**		M52 x 2	20

BJ Banjo, DIN 7642



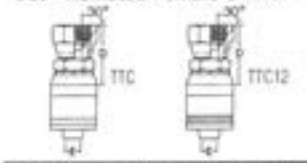
Part No. TTC	Part No. TTC12	Hose Size	KB
1A6BJ4		4	12.1
1A8BJ6	188BJ6	6	14.1
1A10BJ8	1810BJ8	8	15.1
1A12BJ8	1812BJ8	8	16.1
1A16BJ10	1816BJ10	10	18.1
1A20BJ12	1820BJ12	12	22.1
1A25BJ16	1825BJ16	16	25.1
1A32BJ20	1832BJ20	20	30.1

KS Komatsu Split Flange Straight, 45°, 90°



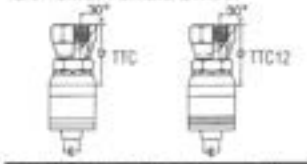
Part No.	Configuration	Hose TTC	KB Size
1A10KS10	578	10	34.2
1A10KS10	45°	10	34.2
1A10KS10	90°	10	34.2

KF Komatsu Female Swivel



Part No. TTC	Part No. TTC12	Thread	Hose Size
1A6KF6		M14 x 1.5	4
1A8KF8		M16 x 1.5	6
1A8KF8		M22 x 1.5	8
1A10KF10		M24 x 1.5	10
1A10KF12		M24 x 1.5	12
1A12KF12	1812KF12	M30 x 1.5	12
1A16KF16	1816KF16	M33 x 1.5	16
1A20KF20	1820KF20	M36 x 1.5	20
1A20KF20**		M36 x 1.5	20
1A25KF24		M42 x 1.5	24

JF J.I.S. Female Swivel



Part No. TTC	Part No. TTC12	Thread	Hose Size
1A4JF4		1/4 - 19	4
1A6JF6	186JF6	1/2 - 19	6
1A8JF8	188JF8	1/2 - 14	8
1A12JF12	1812JF12	1/2 - 14	12
1A16JF16	1816JF16	1 - 11	16
1A20JF20	1820JF20	1 1/4 - 11	20
1A25JF20**		1 1/4 - 11	20
1A24JF24	1824JF24	1 1/2 - 11	24
1A32JF32	1832JF32	2 - 11	32

Aeroquip Hose

Hydraulic

Single wire braid SAE 100R5

1503


Construction: Synthetic rubber tube, textile inner braid, single wire braid reinforcement and synthetic rubber impregnated textile braid cover.

Application: For hydraulics, air, gasoline, fuel and lubricating oils.

Operating Temperature Range: -40°F to +250°F
(-40°C to +121°C).
Except air, not to exceed +160°F (+71°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
1503-4	.19	.52	3000	12000	3.00	28	.13
1503-5	.25	.58	3000	12000	3.38	28	.16
1503-6	.31	.68	2250	9000	4.00	28	.23
1503-8	.41	.77	2000	8000	4.62	28	.26
1503-10	.50	.92	1750	7000	5.50	28	.37
1503-12	.62	1.08	1500	6000	6.50	28	.46
1503-16	.88	1.23	800	3200	7.38	20†	.44
1503-20	1.12	1.50	625	2500	9.00	20†	.52
1503-24	1.38	1.75	500	2000	10.50	15†	.67
1503-32	1.81	2.23	350	1400	13.25	11†	.94
1503-40	2.38	2.88	350	1400	24.00	11†	1.43

Single wire braid SAE 100R5 performance

2651

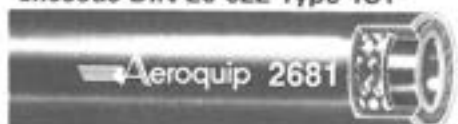

Construction: Synthetic rubber tube, textile inner braid, single wire braid reinforcement, outer textile braid and synthetic rubber cover.

Application: Hydraulics, gasoline, fuel and lubricating oils, air and water. Except air, not to exceed 250 psi or +160°F (+71°C).

Operating Temperature Range: -40°F to +212°F
(-40°C to +100°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
2651-4	.19	.52	3000	12000	3.00	28	.13
2651-5	.25	.58	3000	12000	3.38	28	.16
2651-6	.31	.68	2250	9000	4.00	28	.23
2651-8	.41	.75	2000	8000	4.62	28	.26
2651-10	.50	.92	1750	7000	5.50	28	.37
2651-12	.62	1.08	1500	6000	6.50	28	.46
2651-16	.88	1.23	800	3200	7.38	20†	.44
2651-20	1.12	1.50	625	2500	9.00	20†	.52
2651-24	1.38	1.75	500	2000	10.50	15†	.67
2651-32	1.81	2.22	350	1400	13.25	11†	.94
2651-40	2.38	2.88	350	1400	24.00	11†	1.43

HI-IMPULSE® Single wire braid 2681 Exceeds SAE 100R1A, Meets or exceeds DIN 20 022 Type 1ST



Construction: Synthetic rubber tube, single wire braid reinforcement and synthetic rubber cover.

Application: Hydraulic system service with petroleum and water base fluids, for general industrial service.

Operating Temperature Range: -40°F to +212°F
(-40°C to +100°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
2681-3	.19	.50	4000	16000	3.50		.13
2681-4	.25	.62	3250	13000	4.00		.19
2681-5	.31	.69	3250	13000	4.50		.27
2681-6	.38	.78	3000	12000	5.00		.30
2681-8	.50	.91	2500	10000	7.00		.39
2681-10	.62	1.03	2000	8000	8.00		.46
2681-12	.75	1.19	1800	7200	9.50		.53
2681-16	1.00	1.50	1300	5200	12.00		.80
2681-20	1.25	1.81	900	3600	16.50		.98
2681-24	1.50	2.06	700	2800	20.00		1.12
2681-32	2.00	2.58	600	2400	25.00		1.63

Aeroquip Hose

Hydraulic

Wire inserted suction SAE 100R4

2661



Construction: AQP elastomer tube, reinforcement consisting of a helical wire between two textile braids and blue AQP elastomer cover.

Application: Suction and transfer applications for petroleum and phosphate ester hydraulic fluids, fuel, lubricating oils, gasoline, water and many other industrial fluids.

Operating Temperature Range: -40°F to +300°F
(-40°C to +150°C)

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
2661-12	.75	1.25	300†	1200	5.00	28	.42
2661-16	1.00	1.50	250†	1000	6.00	28	.50
2661-20	1.25	1.80	200†	800	8.00	28	.90
2661-24	1.50	2.06	150†	600	10.00	28	1.13
2661-32	2.00	2.55	100†	400	12.00	28	1.30
2661-40	2.50	3.08	62	250	14.00	28	1.72
2661-48†	3.00	3.58	56	225	18.00	28	1.96
2661-64†	4.00	4.69	50	200	24.00	28	3.08

Flexible, wire inserted suction **FC619** Exceeds SAE100R4



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot
#	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS
FC619-12	.75	1.21	300†	1200	2.50	25	
FC619-16	1.00	1.48	250†	1000	3.00	25	
FC619-20	1.25	1.75	200†	800	4.00	25	
FC619-24	1.50	2.04	150†	600	5.00	25	
FC619-32	2.00	2.55	100†	400	6.00	25	

Construction: Synthetic rubber tube, reinforcement consisting of a helical wire between two textile reinforcement layers and synthetic rubber cover.

Application: Suction and transfer applications for petroleum hydraulic fluids, fuel, lubricating oils, gasoline, water and many other industrial fluids.

Operating Temperature Range: -40°F to +275°F (-40°C to +135°C).

†Maximum working pressure for burst/clamp type fittings is 50 psi.

Single wire braid Exceeds SAE 100R5

FC300



Construction: AQP elastomer tube, polyester inner braid, single wire braid reinforcement and blue polyester braid cover.

Application: Hydraulics handling petroleum base fluids and air, gasoline, fuel and lubricating oils, fire resistant hydraulic fluids and other industrial fluids.

Operating Temperature Range: -55°F to +300°F
(-49°C to +150°C). Except air +250°F (+121°C).

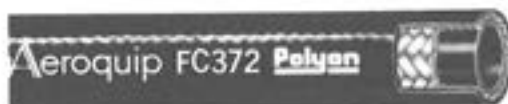
Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC300-04	.19	.52	3000	12000	3.00	28	.13
FC300-05	.25	.58	3000	12000	3.38	28	.16
FC300-06	.31	.67	2250	9000	4.00	28	.23
FC300-08	.41	.76	2000	8000	4.62	28	.26
FC300-10	.50	.93	1750	7000	5.50	28	.37
FC300-12	.62	1.08	1500	6000	6.50	28	.46
FC300-16	.88	1.27	800	3200	7.38	20†	.44
FC300-20	1.12	1.50	625	2500	9.00	20†	.52
FC300-24	1.38	1.75	500	2000	10.50	16†	.67
FC300-32†	1.81	2.22	300	1200	13.25	11†	.94
FC300-40	2.38	2.88	300	1200	24.00	8†	1.50

Aeroquip Hose

Hydraulic

**Polyon™/Thermoplastic
SAE 100R7**

FC372



Construction: Thermoplastic elastomer tube, single braid polyester reinforcement and a black perforated polyurethane cover.

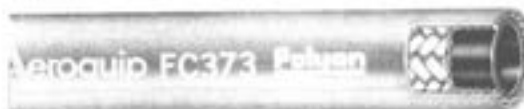
Application: Hydraulic system service with petroleum, fire-resistant, and water base fluids, pneumatic, fuel, and lubricating systems.

Operating Temperature Range: -65°F to +200°F (-54°C to +93°C). Water not to exceed +150°F (+66°C) air not to exceed +160°F (+71°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC372-02	.13	.33	2500	10000	.50		.05
FC372-03	.19	.44	3000	12000	.75		.06
FC372-04	.25	.53	2750	11000	1.25		.09
FC372-05	.31	.59	2500	10000	1.75		.10
FC372-06	.38	.66	2250	9000	2.00		.12
FC372-08	.50	.83	2000	8000	3.00		.17
FC372-10	.63	.94	1500	6000	4.00		.19
FC372-12	.75	1.07	1250	5000	5.00		.22
FC372-16	1.00	1.32	1000	4000	8.00		.28

Polyon™/Thermoplastic
SAE 100R7 Nonconductive

FC373



Construction: Thermoplastic elastomer tube, single braid polyester reinforcement and an orange nonperforated polyurethane cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water base fluids, fuel, and lubricating systems.

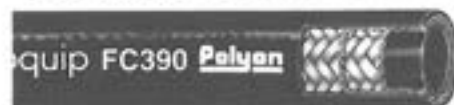
Operating Temperature Range: -65°F to +200°F (-54°C to +93°C). Water not to exceed +150°F (+66°C).

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (In./Hg)	Wt. Per Ft. (lb.)
FC373-02	.13	.33	2500	10000	.50		.05
FC373-03	.19	.44	3000	12000	.75		.06
FC373-04	.25	.53	2750	11000	1.25		.08
FC373-05	.31	.59	2500	10000	1.75		.09
FC373-06	.38	.66	2250	9000	2.00		.10
FC373-08	.50	.83	2000	8000	3.00		.16
FC373-12	.75	1.07	1250	5000	5.00		.22
FC373-16	1.00	1.32	1000	4000	8.00		.27

-40°F to +200°F (-40°C to +93°C) for flexing applications.

Polyon™/Thermoplastic FC390
Constant pressure hose SAE 100R7

FC390



Construction: Thermoplastic elastomer tube, double braid polyester reinforcement and a black perforated flame retardant polyurethane cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water base fluids, pneumatic, fuel, and lubricating systems.

Operating Temperature Range: -65°F to +200°F (-54°C to +93°C). Water not to exceed +150°F (+66°C), air not to exceed +160°F (+71°C).

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Aeroquip Hose

Hydraulic

**Polyon™/Thermoplastic
SAE 100R8**

FC374



Construction: Thermoplastic elastomer tube, single braid Kevlar reinforcement and a black perforated polyurethane cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water base fluids, pneumatic, fuel, and lubricating systems.

Operating Temperature Range: -65°F to +200°F (-54°C to +93°C). Water not to exceed +150°F (+66°C), air not to exceed +160°F (+71°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC374-03	.19	.40	5000	20000	1.50		.05
FC374-04	.25	.51	5000	20000	2.00		.08
FC374-06	.38	.66	4000	16000	2.50		.12
FC374-08	.50	.81	3500	14000	4.00		.16
FC374-12	.75	1.08	2250	9000	8.00		.23
FC374-16	1.00	1.32	2000	8000	10.00		.27

-40°F to +200°F (-40°C to +93°C) for flexing applications.

**Polyon™/Thermoplastic
SAE 100R8 Nonconductive**

FC375



Construction: Thermoplastic elastomer tube, single braid Kevlar reinforcement and an orange nonperforated polyurethane cover.

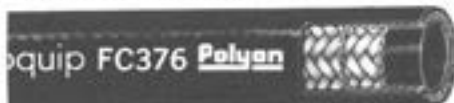
Application: Hydraulic system service with petroleum, fire-resistant, and water base fluids, fuel, and lubricating systems.

Operating Temperature Range: -65°F to +200°F (-54°C to +93°C). Water not to exceed +150°F (+66°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC375-03	.19	.41	5000	20000	1.50		.05
FC375-04	.25	.51	5000	20000	2.00		.07
FC375-06	.38	.66	4000	16000	2.50		.11
FC375-08	.50	.81	3500	14000	4.00		.14
FC375-12	.75	1.06	2250	9000	8.00		.22
FC375-16	1.00	1.37	2000	8000	10.00		.27

Polyon™/Thermoplastic

FC376



Construction: Thermoplastic elastomer tube, double braid Kevlar reinforcement and a black perforated polyurethane cover.

Application: High pressure hydraulic system service with petroleum, fire-resistant, and water base fluids, pneumatic and lubricating systems.

Operating Temperature Range: -40°F to +150°F (-40°C to +66°C), air not to exceed +160°F (+71°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC376-03	.19	.50	10000	40000	1.50		.09
FC376-04	.25	.63	10000	35000	2.50		.13
FC376-06	.38	.74	7500	30000	3.00		.16

Aeroquip Hose

Hydraulic

Four or six spiral wire
SAE 100R13

FC273



Construction: Synthetic rubber tube, multiple heavy spiral wire (4 wire for -12, -16; 6 wire for -20, -24 and -32); brown synthetic rubber cover.

Application: Hydraulic system service with petroleum and water base fluids, for general industrial service.

Operating Temperature Range: -40°F to +250°F
(-40°C to +121°C).

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC273-12	.75	1.26	5000	20000	9.50		1.08
FC273-16	1.00	1.52	5000	20000	12.00		1.41
FC273-20	1.25	1.96	5000	20000	16.50		2.53
FC273-24	1.50	2.26	5000	20000	20.00		3.35
FC273-32	2.00	2.80	5000	20000	25.00		5.00

Four spiral wire
Exceeds SAE 100R12

FC324



Construction: AQP elastomer tube, 4-spiral wire reinforcement and a blue AQP elastomer cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water base fluids, fuel, and lubricating systems.

Operating Temperature Range: -40°F to +300°F
(-40°C to +150°C).

1 Rated at 10,000 psi for water blast applications using internal skive fittings.

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC324-08	.50	.91	4000	16000	7.00		.61
FC324-12	.75	1.20	4000	16000	9.50		.99
FC324-16	1.00	1.48	4000	16000	12.00		1.29

Six spiral wire
SAE 100R15

FC606



Construction: Synthetic rubber tube, 6-spiral wire reinforcement, synthetic rubber cover.

Application: High pressure hydraulics, hydrostatic transmissions.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C). FC606-24 -40°F to +212°F (-40°C to +100°C).

*Factory made assemblies only. Contact Aeroquip.

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC606-16	1.00	1.65	6000	24000	12.00		1.79
FC606-20	1.25	1.95	6000	24000	16.50		2.43
FC606-24*	1.50	2.30	6000	24000	20.00		3.17

Aeroquip Hose

Special Application

Textile braid
Low pressure **SOCKETLESS™** **FC332**



Construction: AQP elastomer tube, textile braid reinforcement, AQP elastomer cover.
Application: For gasoline, fuel and lubricating oils, air and water. Not recommended for hydraulic impulse applications and is not approved for air brake applications.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C). Air not to exceed +250°F (+121°C) and water not to exceed +180°F (+82°C).

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC332-04	.25	.49	250	1000	3.00	28	.08
FC332-06	.38	.63	250	1000	3.00	28	.12
FC332-08	.50	.75	250	1000	5.00	28	.15
FC332-10	.63	.91	250	1000	6.00	18	.20
FC332-12	.75	1.04	250	1000	7.00	18	.28

Textile braid Low pressure
SOCKETLESS™ Fire resistant
meets RMA/CGA flame test
requirements **1525**

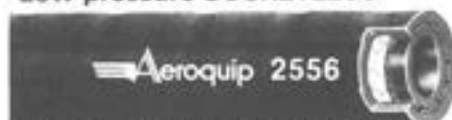


Construction: Synthetic rubber tube, textile braid reinforcement, oil and mildew resistant textile braid cover.
Application: For gasoline, fuel and lubricating oils, air and water. Not recommended for hydraulic impulse applications and is not approved for air brake applications.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C). Water not to exceed +150°F (+66°C), air not to exceed +165°F (+74°C).

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
1525-41	.25	.48	360	1440	3.00	28	.06
1525-61	.38	.62	300	1200	3.00	28	.09
1525-81	.50	.75	300	1200	5.00	28	.12
1525-10	.62	.91	250	1000	6.00	18	.18
1525-12	.75	1.03	250	1000	7.00	18	.16

Textile braid
Low pressure **SOCKETLESS™** **2556/2565**



Construction: Synthetic rubber tube, textile braid reinforcement, synthetic rubber cover.
Application: For gasoline, fuel and lubricating oils, air and water. Not recommended for hydraulic impulse applications and is not approved for air brake applications.

2556 is a low temperature synthetic rubber covered MIL-H-13444 Type 1 hose.
Operating Temperature Range: 2556: -40°F to +212°F (-40°C to +100°C). Water not to exceed +150°F (+66°C), air not to exceed +160°F (+71°C). 2565: -65°F to +250°F (-54°C to +121°C). Water not to exceed +150°F (+66°C), air not to exceed +165°F (+74°C).

NOTE: You must insert the correct color code in the complete part number.
Example: 1525-4GRN is a green cover in dash size 4.
Color codes are BLK=black, BLU=blue, BRN=brown, GRN=green, WHT=white.

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
2556-4	.25	.49	360	1440	3.00	28	.08
2556-6	.38	.62	300	1200	3.00	28	.14
2556-8	.50	.75	300	1200	5.00	28	.17
2556-10	.63	.91	250	1000	6.00	18	.22
2556-12	.75	1.03	250	1000	7.00	18	.26
2565-4	.25	.50	300	1250	2.25	20	.09
2565-6	.38	.63	250	1000	3.00	20	.12
2565-8	.50	.78	200	750	3.75	10	.17
2565-10	.63	.97	175	700	4.75	10	.39
2565-12	.75	1.09	125	500	5.50	10	.33

Aeroquip Hose

Special Application

FB9218/FB9219/FB9220

Polyon recoil air hose assemblies



Construction: Red nylon coiled tubing; Male NPT swivel fittings and spring guards at both ends.

Application: Air up to 180 psi maximum all sizes.

Operating Temperature Range: -40°F to +180°F (-40°C to +82°C).

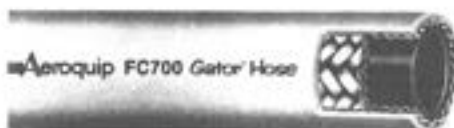
Note: Aeroquip Polyon recoil air hose swivel assemblies are not recommended or approved for air brake application.

Bulk Hose: Order part number FC341-04 (1/4"), FC341-06 (3/8"), FC341-08 (1/2").

Assembly Part Number	Hose I.D. (inches)	Assembly Length (feet)	Male NPT End, Size (inches)	Retracted Length Nominal (inches)	Ret. Max. Work Length (feet)	Outside Coil Dia. (inches)
FB9218-12	.25	12	1/8-18	6	10	3
FB9218-25	.25	25	1/8-18	12	22	3
FB9218-50	.25	50	1/8-18	23	45	3
FB9219-12	.38	12	1/8-18	5	10	5 1/2
FB9219-25	.38	25	1/8-18	10	21	5 1/2
FB9219-50	.38	50	1/8-18	20	42	5 1/2
FB9220-12	.50	12	1/2-14	5	9	8
FB9220-25	.50	25	1/2-14	9	18	8
FB9220-50	.50	50	1/2-14	18	37	8

Sewer cleaning hose assemblies Gator™ hose

FC700



Construction: Blue thermoplastic elastomer tube, single braid, high strength textile reinforcement and a yellow ether-based polyurethane cover.

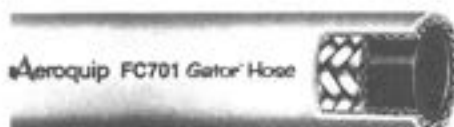
Application: High pressure sewer cleaning.

Operating Temperature Range: -40°F to +150°F (-40°C to +66°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC700-10	.64	.97	2000	6000	8.00		.20
FC700-12	.75	1.16	2000	6000	9.50		.27
FC700-16	1.01	1.41	2000	6000	12.00		.36
FC700-20	1.26	1.79	2000	5000	12.00		.58

Sewer cleaning hose assemblies Gator™ hose

FC701



Construction: Blue thermoplastic tube, single braid, high strength textile reinforcement and an orange ether-based polyurethane cover.

Application: High pressure sewer cleaning.

Operating Temperature Range: -40°F to +150°F (-40°C to +66°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC701-12	.75	1.15	2500	6250	9.50		.27
FC701-16	1.01	1.41	2500	6250	12.00		.36
FC701-20	1.26	1.79	2500	6250	12.00		.58

Aeroquip Hose

Special Application

Sewer cleaning hose
assemblies Gator™ hose

FC702



Construction: Blue thermoplastic elastomer tube, single braid, high strength textile reinforcement and a blue ether-based polyurethane cover.

Application: High pressure sewer cleaning.

Operating Temperature Range: -40°F to +150°F (-40°C to +66°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC702-12	.75	1.19	3000	7500	9.50		.29
FC702-16	1.01	1.41	3000	7500	12.00		.36

Fuel and oil
Fire resistant USCG/MMT,
NMMA/BIA

FC234



Construction: AQP elastomer tube, brass plated steel wire reinforcement, braided refractory insulation and blue AQP elastomer cover.

Application: Diesel fuel, gasoline, hot lube oil and water.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC234-05	.25	.58	1500	6000	1.00	28	.22
FC234-06	.31	.68	1500	6000	1.25	28	.25
FC234-08	.41	.76	1250	5000	1.75	28	.30
FC234-10	.50	.94	1250	5000	2.25	28	.45
FC234-12	.62	1.06	750	3000	2.75	20	.48
FC234-16	.88	1.24	400	1600	3.50	16	.51

Engine & air brake
FMVSS106

FC350



Construction: AQP elastomer tube, polyester inner braid and a single wire braid reinforcement; black polyester textile braided cover.

Application: Air, gasoline, fuel lubricating oils and coolants.

Operating Temperature Range: -55°F to +300°F (-49°C to +150°C). Except air +250°F (+121°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC350-04	.19	.52	2000	8000	.75	28	.12
FC350-05	.25	.58	1500	6000	1.00	28	.15
FC350-06	.31	.68	1500	6000	1.25	28	.20
FC350-08	.41	.77	1250	5000	1.75	28	.22
FC350-10	.50	.94	1250	5000	2.25	28	.32
FC350-12	.62	1.08	750	3000	2.75	20	.39
FC350-16	.88	1.23	400	1600	3.50	15	.38
FC350-20	1.12	1.50	300	1200	4.50	15	.45
FC350-24	1.38	1.75	250	1000	5.50	11	.54

Aeroquip Hose

Special Application

LPG UL listing MH6044

FC321



Construction: Synthetic rubber tube, a textile inner braid, a stainless steel wire braid reinforcement and a synthetic rubber impregnated textile braid cover.

Application: Designed for butane-propane applications on either mobile or stationary equipment.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

WARNING: LPG is a very hazardous liquid or gas and should be handled with maximum care to prevent leakage. Since the gas is heavier than air, it may flow along the ground if it escapes and cause an explosion or a fire. No leakage should ever be tolerated.

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC321-04	.19	.52	350	1750	1.50		.11
FC321-05	.25	.58	350	1750	1.75		.13
FC321-06	.31	.67	350	1750	2.00		.18
FC321-08	.41	.77	350	1750	2.31		.21
FC321-10	.50	.92	350	1750	2.75		.29
FC321-12	.62	1.08	350	1750	3.25		.37
FC321-16	.88	1.24	350	1750	3.69		.38

Refrigeration/air conditioning SAE J2064 Type B Class 1

FC558



Construction: Butyl rubber tube, single wire braid reinforcement and textile braid cover.

Application: Designed for applications using only refrigerant 134a. Not recommended for applications using Refrigerant 12 or R22.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (Inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC558-10	.50	.92	500	2500	5.50	28	.33
FC558-12	.62	1.06	500	2500	6.50	28	.41
FC558-16	.88	1.24	500	2500	7.38	28	.47
FC558-20	1.12	1.51	500	2500	9.00	28	.57
FC558-24	1.38	1.75	500	2500	10.50	28	.69

Multi-Refrigerant hose SAE J51 Type D

FC802



Part Number	Hose I.D. (Inches)	Hose O.D. (Inches)	Maximum Operating Pressure (PSI)	Minimum Burst Pressure (PSI)	Minimum Bend Radius (Inches)	Vacuum Service* (in./Hg)	Weight Per Foot (POUNDS)
#	○	○	⊖	⊕	⤵	⊖	⊕
FC802-04	.20	.52	500	2500	2.00	25*	.11
FC802-06	.33	.66	500	2500	2.50	25*	.16
FC802-08	.42	.77	500	2500	3.00	25*	.18
FC802-10	.52	.92	500	2500	3.50	25*	.29
FC802-12	.65	1.08	500	2500	4.50	25*	.35
FC802-16	.88	1.23	500	2500	6.00	25*	.40

Construction: Bromobutyl cover, polyamide-veneer tube, synthetic braid reinforcement, synthetic rubber backing layer.

Application: Transportation, refrigeration and air conditioning systems using Refrigerant 12, R-22, R-134a, R-502.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

Aeroquip Hose

Special Application

Refrigeration/air
conditioning

FC555



Construction: Corrugated nylon tube, stabilized synthetic braid reinforcement and abrasion-resistant polyester braided cover.

Application: Transportation refrigeration and air conditioning systems using R-134a, R-12, R-22 or R-502 (contact Aeroquip for additional refrigerants).

Operating Temperature Range: -22°F to +257°F (-30°C to +125°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)	Wt. Per Ft. (lbs)
FC555-12	.62	1.12	500	2500	2.50		.20
FC555-16	.88	1.38	500	2500	3.00		.25
FC555-20	1.12	1.65	500	2500	4.00		.33

Teflon hose

807 + 2807



Construction: Extruded Teflon tube with stainless steel single wire braid.

Application: Hot air, steam, compressor discharge and most chemical applications. Not recommended for steam-cold water cycling.

Operating Temperature Range: -100°F to +450°F (-73°C to +232°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. T Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)
2807-3	.14	.25	3000	12000	1.50	28
2807-4	.19	.30	3000	12000	2.00	28
2807-5	.26	.37	3000	12000	3.00	28
2807-6	.32	.43	2500	10000	4.00	28 †
2807-8	.42	.54	2000	8000	5.25	28 †
2807-10	.51	.63	1500	6000	6.50	28 †
2807-12	.64	.76	1200	4800	7.75	28 †
2807-16	.88	1.03	1000	4000	9.00	12 †
2807-20	1.12	1.29	625	2500	16.00	12 †

Teflon hose

2808



Construction: Extruded Teflon tube with double stainless steel braids.

Application: Hot air, steam and most chemical applications. Not recommended for steam-cold water cycling.

Operating Temperature Range: -100°F to +450°F (-73°C to +232°C).

Part Number	Hose I.D. (inches)	Hose O.D. (inches)	Max. T Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inches)	Vacuum Service (in./Hg)
2808-8	.42	.58	2750	11000	4.62	28†
2808-10	.51	.68	2500	10000	5.50	28†
2808-12	.64	.81	1750	7000	6.50	20†
2808-16	.88	1.09	1500	6000	7.38	15†
2808-20	1.12	1.35	1125	4500	11.00	15†
2808-24	1.38	1.62	800	3200	14.00	15†



Aeroquip E-Z System

GH134
Multi-Refrigerant Hose
SAE J2064 Type E Class 1



Synthetic Rubber Cover
Synthetic Fiber Braid
Synthetic Backing Layer
Polyamide Veneer Bonded to Backing Layer for Resistance to Effusion

E-Z Clip System Assembly Instructions

E-Z STEP 1: Cut the hose.

Cut the hose to proper length with an appropriate cutting tool. Aeroquip's hand-held hose cutter (FT1356) has been specially designed for cutting all non-wire reinforced hose, such as GH134 Multi-Refrigerant hose. Be sure the cut is made square to the hose length.



E-Z STEP 2: Slip on two clips.

Install two proper-sized clips onto the cut end of the hose. Orientation of the clips does not affect the performance of the connection. However, for ease of assembly, both clips should have the same orientation.

NOTE: Failure to slide the clips over the hose at this time will require the clips to be stretched over the hose or fitted later. This may permanently damage the clip.



E-Z STEP 3: Oil the nipple.

Lubricate the nipple with a generous amount of the refrigeration or A/C system's compressor lubricating oil. This MUST be done to lower the force of nipple insertion.



E-Z STEP 4: Insert the nipple into the hose.

Insert the nipple into the hose. To ensure that the nipple is fully inserted, check the gap between the cut end of the hose and the shoulder on the nipple. Care should be taken to avoid kinking or other damage to the hose during nipple insertion.

NOTE: Be sure to wipe excess oil from the nipple and hose.



E-Z STEP 5: Snap on the cage.

Snap the cage into the groove on the nipple. The arms should extend over the hose length. When the cage has been correctly installed in the cage groove, the cage will be able to rotate in the groove. This step MUST be performed to ensure:

1. The clips will be located over the O-rings on the nipple
2. The connection will be compatible with the connection's pressure rating



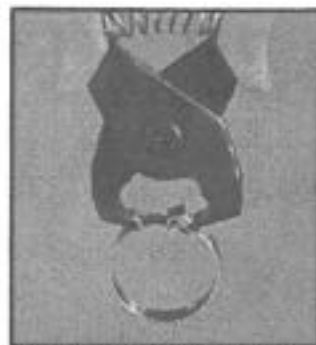
E-Z STEP 6: Slide the clips.

Slide the clips over the cage arms and into the channels on each arm.



E-Z STEP 7: Close the clips.

Use the FT1357 pliers to close the clips. The pliers should be positioned squarely on the clip connection points and should remain square during the closing of the clip.



Nose of the pliers should be firmly seated under the assembly bump and lock latch.



Ask For Catalog No. JA869A For Various Fittings

For easiest assembly, the clasp should be closed between the cage arms.

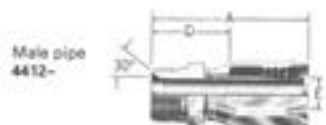
Aeroquip Fittings

Reusable Fittings

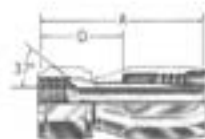
for use with Hose
302A, 303, 1503, 1540, 2580, 2651, FC202,
FC234, FC300, FC321, FC350, FC355,
FC558



Dash Size	Thread	Hose Size	A	D	E _p
412-					
12-45*	1/2-27	-04	1.68	.92	.17
14-45*	1/2-18	-04	1.86	1.11	.17
12-55*	1/2-27	-05	1.78	1.00	.23
14-55*	1/2-18	-05	1.96	1.18	.23
14-65*	1/2-18	-06	2.13	1.23	.30
16-65	1/2-18	-08	2.13	1.23	.24
16-85*	1/2-18	-08	2.48	1.33	.39
8-85	1/2-14	-08	2.73	1.58	.36
18-105*	1/2-14	-10	2.88	1.59	.48
12-105*	1/2-14	-10	2.94	1.66	.48
112-125*	1/2-14	-12	3.24	1.67	.61
112-165	1/2-14	-16	2.80	1.53	.82
116-165	1-11 1/2	-16	2.99	1.72	.82
16-205	1-11 1/2	-20	3.20	1.84	.95
120-205	1 1/2-11 1/2	-20	3.23	1.87	1.05
20-245	1 1/2-11 1/2	-24	3.58	2.12	1.28
124-245	1 1/2-11 1/2	-24	3.48	2.03	1.28
132-325	2-11 1/2	-32	4.05	2.20	1.75
44-412-					
40-40	2 1/2-8	-40	5.03	3.13	2.12
48-48	3-8	-48	5.09	3.19	2.69

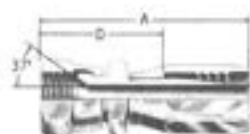


Dash Size	Thread	Hose Size	A	D	E _p
4412-					
3-45	1/2-27	-04	1.68	.93	.13
4-45	1/2-18	-04	1.87	1.12	.13
4-55	1/2-18	-05	1.98	1.18	.17
4-65*	1/2-18	-06	2.13	1.23	.24
6-65	1/2-18	-06	2.13	1.23	.24
4-85	1/2-18	-08	2.48	1.33	.30
6-85	1/2-18	-08	2.48	1.33	.36
8-85	1/2-14	-08	2.73	1.58	.36
8-105	1/2-14	-10	2.88	1.59	.46
12-105	1/2-14	-10	2.94	1.65	.46
8-125	1/2-14	-12	3.24	1.68	.49
12-125	1/2-14	-12	3.24	1.67	.55



SAE 37° (JIC) swivel**†
411-
44-411-

Dash Size	Thread	Hose Size	A	D	E _p
411-					
145*	1/2-20	-4	1.75	1.00	.17
6-45**	1/2-18	-4	1.85	1.10	.17
155*	1/2-20	-6	1.90	1.12	.23
165*	1/2-18	-6	2.05	1.15	.30
185*	1/2-16	-6	2.52	1.38	.39
110-85**	1/2-14	-8	2.65	1.50	.39
105*	1/2-14	-10	2.80	1.51	.48
12-105**	1 1/2-12	-10	2.85	1.56	.48
1125*	1 1/2-12	-12	3.15	1.58	.61
16-125**	1 1/2-12	-12	3.26	1.69	.61
1165*	1 1/2-12	-16	2.82	1.55	.82
1205*†††	1 1/2-12	-20	3.00	1.64	1.05
1245*†††	1 1/2-12	-24	3.28	1.83	1.28
1325*†††	2 1/2-12	-32	3.88	2.03	1.75
44-411-					
40*	3-12	-40	4.16	2.25	2.20
48*	3 1/2-12	-48	4.28	2.38	2.80



SAE 37° (JIC) swivel
4411-

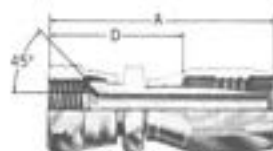
Dash Size	Thread	Hose Size	A	D	E _p
4411-					
45†††	1/2-20	-04	1.97	1.23	.13
4-55	1/2-20	-05	2.08	1.30	.17
55†††	1/2-20	-05	2.12	1.35	.18
65†††	1/2-18	-06	2.33	1.43	.24
8-65	1/2-18	-06	2.42	1.52	.24
6-85	1/2-18	-08	2.68	1.53	.30
85†††	1/2-16	-08	2.78	1.62	.36
10-85	1/2-14	-08	2.95	1.80	.36
8-105	1/2-16	-10	2.92	1.64	.39
105†††	1/2-14	-10	3.10	1.81	.46
12-105	1 1/2-12	-10	3.19	1.91	.46
10-125	1/2-14	-12	3.40	1.83	.55
125†††	1 1/2-12	-12	3.49	1.92	.55
14-125	1 1/2-12	-12	3.56	1.99	.55
165†††	1 1/2-12	-16	3.19	1.93	.82
205	1 1/2-12	-20	3.43	2.07	1.05
20-245	1 1/2-12	-24	3.65	2.19	1.06
245	1 1/2-12	-24	3.68	2.22	1.28
325	2 1/2-12	-32	4.39	2.55	1.75

*Requires assembly tools for assembly.



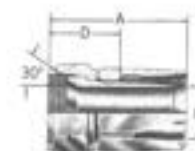
SAE 45° swivel††††
401-

Dash Size	Thread	Hose Size	A	D	E _p
401-					
45*	1/2-20	-04	1.75	1.00	.17
55*	1/2-20	-05	1.90	1.12	.23
65*	1/2-18	-06	2.05	1.15	.30
8-65**	1/2-18	-06	2.18	1.28	.30
85*	1/2-18	-08	2.52	1.38	.39
105*	1/2-14	-10	2.80	1.51	.48
125*	1 1/2-14	-12	3.02	1.45	.61



SAE 45° swivel
4401-

Dash Size	Thread	Hose Size	A	D	E _p
4401-					
45	1/2-20	-04	1.97	1.22	.13
55	1/2-20	-05	2.12	1.34	.17
65	1/2-18	-06	2.36	1.46	.24
85	1/2-18	-08	2.78	1.62	.36
105	1/2-14	-10	3.10	1.81	.46
125	1 1/2-14	-12	3.49	1.92	.55



PTT swivel*
406-

Dash Size	Thread	Hose Size	A	D	E _p
406-					
160††††	1 1/2-14	-16	2.60	1.33	.82
208†††††	1 1/2-14	-20	2.86	1.50	1.05
248	1 1/2-14	-24	3.13	1.67	1.28

NOTE: For correct socket part number, see page 108.

†Also supplied in brass. To order substitute "B" for "S" in part number.

††Wet air brake system can cause fitting corrosion, if encountered use an all brass fitting (substitute "B" for "S" in part number, or steel fittings with brass nipples (add "63-" prefix and drop "S" suffix in part number).

**Check with Aeroquip for proper tooling.

†††Available in stainless steel. To order drop the "S" suffix and add "258-" prefix.

††††Also supplied in steel. To order drop "B" suffix and substitute "S" in part number.

Aeroquip Fittings

Reusable Fittings



SAE male O-Ring boss
190463-

Dash Size	Thread	Hose Size	A	D	E
190463-					
6S	1/8-18	-06	1.95	1.05	.24
8S	1/8-16	-08	2.35	1.20	.36
10S	1/8-14	-10	2.63	1.34	.36



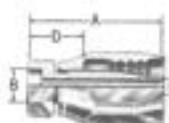
SAE 37° (JIC) male flare
4414-

Dash Size	Thread	Hose Size	A	D	E
4414-					
4S	1/2-20	-04	1.85	1.10	.13
5S	1/2-20	-05	1.95	1.17	.17
6S	1/2-18	-06	2.12	1.22	.24
8S	1/2-16	-08	2.57	1.42	.36
10S	1/2-14	-10	2.88	1.60	.46
12-10S	1 1/4-12	-10	3.05	1.76	.46
12S	1 1/4-12	-12	3.39	1.78	.55
16-12S	1 1/4-12	-12	3.40	1.83	.55
16S	1 1/4-12	-16	2.96	1.69	.82
20S	1 1/4-12	-20	3.22	1.86	1.05
24S	1 1/4-12	-24	3.44	1.99	1.28
32S	2 1/4-12	-32	4.22	2.38	1.75



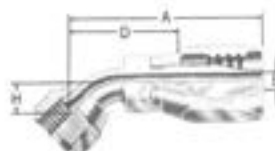
SAE 45° male flare
4402-

Dash Size	Thread	Hose Size	A	D	E
4402-					
4S111	1/2-20	-04	1.80	1.06	.13
4-5S	1/2-20	-05	1.90	1.12	.17
5S	1/2-20	-05	1.97	1.18	.17
6S111	1/2-18	-06	2.19	1.28	.24
8S111	1/2-16	-08	2.66	1.52	.36
10S111	1/2-14	-10	3.00	1.72	.46
12-10S	1 1/4-12	-10	3.20	1.90	.46
12S	1 1/4-12	-12	3.50	1.92	.56



LIFESAVER1
190000-

Dash Size	Tube Size	Hose Size	A	B†	D	E
190000-						
4S	1/4	-04	1.36	.25	.82	.13
5S	1/4	-05	1.53	.31	.75	.18
6-6S	1/4	-06	1.63	.31	.73	.24
6S	1/4	-06	1.63	.38	.73	.24
6-8S	1/4	-08	2.04	.38	.89	.28
8S	1/4	-08	2.04	.50	.89	.36
10S	1/4	-10	2.19	.62	.90	.46
8-12S	1/4	-12	2.49	.50	.92	.39
12S	1/4	-12	2.49	.75	.92	.55
16S	1	-16	2.05	1.00	.78	.82
16-20S	1	-20	2.26	1.00	.90	.82
18-20S	1 1/4	-20	2.26	1.12	.90	.94
20S	1 1/4	-20	2.26	1.25	.90	1.05
24-20S	1 1/4	-20	2.33	1.50	.96	1.05
16-24S	1	-24	2.42	1.00	.97	.82
20-24S	1 1/4	-24	2.36	1.25	.90	1.05
24-24S	1 1/4	-24	2.42	1.50	.97	1.28
20-32S	1 1/4	-32	2.89	1.25	1.05	1.06
24-32S	1 1/4	-32	2.83	1.50	.98	1.37
32-32S	2	-32	2.89	2.00	1.05	1.75
40S	2 1/4	-40	3.26	2.50	1.36	2.21



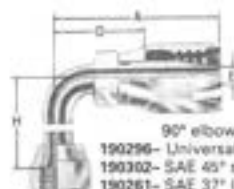
45° elbow
190297- Universal swivel
190299- SAE 45° swivel
190265- SAE 37° (JIC) swivel

Dash Size	Thread	Hose Size	A	D	E	H
190297-						
4S	1/2-20	-04	1.85	1.10	.13	.33
4-5S	1/2-20	-05	2.01	1.23	.15	.33
5S	1/2-20	-05	2.07	1.29	.18	.36
6-6S	1/2-18	-06	2.64	1.74	.24	.55
8S	1/2-16	-08	2.99	1.84	.36	.55
8-10S	1/2-16	-10	3.14	1.85	.39	.55
10S	1/2-14	-10	3.24	1.95	.46	.64
10-12S	1 1/4-12	-12	3.54	1.97	.48	.64
190299-						
6S	1/2-18	-06	2.23	1.33	.24	.39
12S	1 1/4-12	-12	3.78	2.21	.55	.78

45° elbow (continued)

190297- Universal swivel
190299- SAE 45° swivel
190265- SAE 37° (JIC) swivel

Dash Size	Thread	Hose Size	A	D	E	H
190265-						
6-5S	1/2-18	-05	2.13	1.35	.17	.39
6S	1/2-18	-06	2.23	1.33	.24	.39
12S	1 1/4-12	-12	3.78	2.21	.55	.78
16-12S	1 1/4-12	-12	4.00	2.43	.55	.99
16S	1 1/4-12	-16	3.74	2.47	.82	1.07
20S	1 1/4-12	-20	4.21	2.85	1.05	1.22



90° elbow (short)
190296- Universal swivel
190302- SAE 45° swivel
190261- SAE 37° (JIC) swivel

90° elbow (long)
190296- Universal swivel
190301- SAE 45° swivel
190260- SAE 37° (JIC) swivel

Dash Size	Thread	Hose Size	A	D	E	H
190296-						
4S	1/2-20	-04	1.74	.99	.13	.68
5S	1/2-20	-05	1.96	1.18	.17	.77
8S	1/2-16	-08	2.76	1.61	.36	1.09
10S	1/2-14	-10	2.94	1.65	.46	1.23
8-12S	1 1/4-12	-12	3.21	1.64	.39	1.09
190302-						
6S	1/2-18	-06	2.13	1.23	.24	.85
12S	1 1/4-12	-12	3.74	2.17	.55	1.82
190261-						
6S	1/2-18	-06	2.13	1.23	.24	.85
12S	1 1/4-12	-12	3.74	2.17	.55	1.82
16-12S	1 1/4-12	-12	3.74	2.17	.55	2.14
16S	1 1/4-12	-16	3.55	2.28	.82	2.39
20-16S	1 1/4-12	-16	3.55	2.28	.76	2.50
20S	1 1/4-12	-20	4.02	2.65	1.05	2.75
20-24S	1 1/4-12	-24	4.11	2.66	1.05	2.75
190295-						
4S	1/2-20	-04	1.74	.99	.13	1.80
5S	1/2-20	-05	1.96	1.18	.18	1.77
8S	1/2-16	-08	2.88	1.73	.38	2.43
10S	1/2-14	-10	3.19	1.90	.46	2.57
10-12S	1 1/4-12	-12	3.49	1.92	2.57	.48
190301-						
6S	1/2-18	-06	2.13	1.23	.24	2.18
12S	1 1/4-12	-12	3.74	2.17	.55	3.73
190260-						
6S	1/2-18	-06	2.13	1.23	.24	2.18
12S	1 1/4-12	-12	3.74	2.17	.55	3.73
16S	1 1/4-12	-16	3.55	2.28	.82	4.58
20S	1 1/4-12	-20	4.02	2.65	1.05	5.53

All dimensions in inches.

† "B" dimension is counterbore diameter for mating tubing.

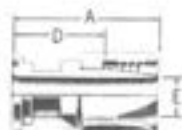
†† Available in stainless steel. To order drop the "S" suffix and add "259-" prefix.



Aeroquip Fittings

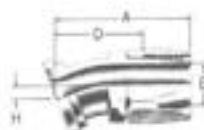
Reusable Fittings

for use with Hose
302A, 303, 1503, 1540, 2580, 2651,
FC202, FC234, FC300, FC321, FC350,
FC355, FC558



Code 61 SAE J518c
Straight split flange 4775-

Dash Size	Flange Head Dia.	Hose Size	A	D	EO	H
4775-						
85	1.19	-08	2.77	1.62	.36	
8-105	1.19	-10	3.32	2.03	.46	
16-105	1.75	-10	2.97	1.68	.46	
125	1.50	-12	3.16	1.59	.55	
16-125	1.75	-12	3.55	1.98	.55	
20-125	2.00	-12	3.55	1.98	.55	
165	1.75	-16	2.77	1.50	.82	
20-165	2.00	-16	3.36	2.09	.82	
24-165	2.38	-16	3.42	2.14	.82	
16-205	1.75	-20	2.99	1.82	.82	
205	2.00	-20	3.58	2.21	1.05	
32-205	2.81	-20	3.64	2.28	1.05	
16-245	1.75	-24	3.73	2.28	.82	
20-245	2.00	-24	3.67	2.22	1.05	
245	2.38	-24	4.02	2.56	1.28	
32-245	2.81	-24	4.02	2.56	1.28	
20-325	2.00	-32	5.26	3.42	1.05	
24-325	2.38	-32	4.42	2.58	1.37	
325	2.81	-32	4.92	3.08	1.75	
40-325	3.31	-32	4.98	3.14	1.75	



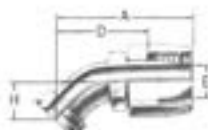
Code 61 SAE J518c
22 1/4" split flange 4776-

Dash Size	Flange Head Dia.	Hose Size	A	D	EO	H
4776-						
165	1.75	-16	3.55	2.28	.82	.50
32-165	2.81	-16	3.52	2.28	.82	.49
205	2.00	-20	3.82	2.45	1.05	.50
32-205	2.81	-20	3.88	2.51	1.05	.52
325	2.81	-32	4.59	2.75	1.75	.50



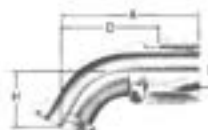
Code 61 SAE J518c
30" split flange 190846-

Dash Size	Flange Head Dia.	Hose Size	A	D	EO	H
190846-						
16-125	1.75	-12	3.60	2.03	.55	.45
165	1.75	-16	3.32	2.05	.82	.50
20-165	2.00	-16	3.32	2.05	.82	.50
205	2.00	-20	3.63	2.26	1.05	.52
245	2.38	-24	3.96	2.51	1.28	.58
325	2.81	-32	4.68	2.84	1.75	.65



Code 61 SAE J518c
45" split flange 4777-

Dash Size	Flange Head Dia.	Hose Size	A	D	EO	H
4777-						
85	1.19	-08	3.44	2.30	.36	1.00
125	1.50	-12	4.02	2.45	.55	1.00
16-125	1.75	-12	4.02	2.45	.55	1.00
20-125	2.00	-12	4.02	2.45	.55	1.00
165	1.75	-16	3.80	2.53	.82	1.12
16-205	1.75	-20	4.01	2.65	.82	1.12
20-165	2.00	-16	3.80	2.53	.82	1.12
205	2.00	-20	4.12	2.75	1.05	1.12
24-205	2.38	-20	4.12	2.75	1.05	1.12
32-205	1.81	-20	4.16	2.80	1.05	1.17
245	2.38	-24	4.38	2.92	1.28	1.12
24-325	2.38	-32	4.78	2.94	1.37	1.12
32-245	2.81	-24	4.38	2.92	1.28	1.12
325	2.81	-32	5.18	3.33	1.75	1.25
40-325	3.31	-32	5.22	3.36	1.75	1.30



Code 61 SAE J518c
60" split flange 191395-

Dash Size	Flange Head Dia.	Hose Size	A	D	EO	H
191395-						
125	1.50	-12	4.15	2.58	.55	1.62
165	1.75	-16	3.86	2.60	.82	1.64
205	2.00	-20	4.22	2.86	1.05	1.64
245	2.38	-24	4.73	3.28	1.28	2.00



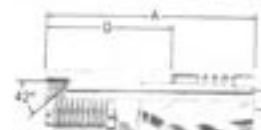
Code 61 SAE J518c
90" split flange 4779-

Dash Size	Flange Head Dia.	Hose Size	A	D	EO	H
4779-						
85	1.19	-08	2.88	1.73	.36	1.62
125	1.50	-12	3.74	2.17	.55	2.12
16-125	1.75	-12	3.74	2.17	.55	2.12
12-165	1.50	-16	3.30	2.03	.82	2.12
165	1.75	-16	3.55	2.28	.82	2.38
20-165	2.00	-16	3.55	2.28	.82	2.38
16-205	1.75	-20	3.76	2.40	.82	2.38
205	2.00	-20	4.02	2.65	1.05	2.50
24-205	2.38	-20	4.02	2.65	1.05	2.50
32-205	2.81	-20	4.02	2.65	1.05	2.56
20-245	2.00	-24	4.11	2.86	1.05	2.50
245	2.38	-24	4.42	2.97	1.28	2.75
24-325	2.38	-32	4.83	2.98	1.37	2.75
325	2.81	-32	5.39	3.55	1.75	3.25
40-325	3.31	-32	5.39	3.55	1.75	3.31



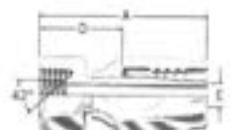
Male inverted flare 190277-

Dash Size	Thread	Hose Size	A	D	EO
190277-					
45	1/2-20	-04	1.80	1.05	.13



Male/female inverted flare 190278-

Dash Size	Thread	Hose Size	A	D	EO
190278-					
45	1/2-18(M)	-04	2.05	1.30	.13
	1/2-24(F)				



Female inverted flare 403-

Dash Size	Thread	Hose Size	A	D	EO
403-					
55	1/2-20	-05	1.62	.84	.23
65	1/2-18	-06	1.78	.88	.30

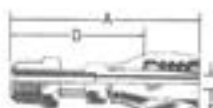
Aeroquip Fittings

Reusable Fittings



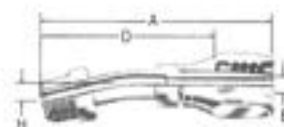
Compression ball sleeve FC7031-

Dash Size	Tube Size	Hose Size	A	D	E
FC7031-					
0808-206	1/2	-08	2.36	1.20	.36
1010-206	1/2	-10	2.62	1.34	.46



Straight SAE male inverted flare 190111-

Dash Size	Thread	Hose Size	A	D	E
190111-					
4S	1/2-24	-04	2.46	1.71	.13
5S	1/2-20	-05	2.62	1.84	.18
5-6S	1/2-20	-06	2.72	1.82	.24
6S	1/2-18	-06	2.72	1.82	.24
6-8S	1/2-18	-08	3.13	1.98	.28
8S	1/2-18	-08	3.20	2.05	.30



15° elbow SAE male inverted flare 190350-

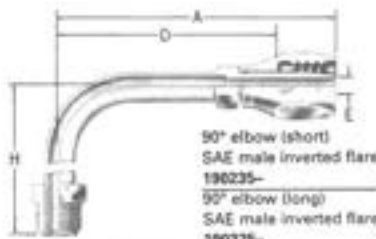
Dash Size	Thread	Hose Size	A	D	E	H
190350-						
6S	1/2-18	-06	3.26	2.36	.24	.37



45° elbow SAE male inverted flare 190371-

Dash Size	Thread	Hose Size	A	D	E	H
190371-						
4S	1/2-20	-04	2.74	1.99	.13	.96
5S	1/2-20	-05	2.90	2.12	.17	.96
6S	1/2-18	-06	3.00	2.10	.24	.96
8S	1/2-18	-08	3.39	2.24	.36	.93
10S	1/2-18	-10	3.74	2.44	.46	1.03

*All dimensions in inches.



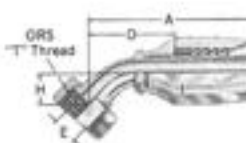
90° elbow (short)
SAE male inverted flare
190235-
90° elbow (long)
SAE male inverted flare
190325-

Dash Size	Thread	Hose Size	A	D	E	H
190235-						
4S	1/2-24	-04	2.36	1.62	.13	1.69
7-4S	1/2-18	-04	2.12	1.36	.13	1.84
8-4S	1/2-18	-04	2.12	1.36	.13	1.84
5S	1/2-20	-05	2.53	1.75	.18	1.69
6S	1/2-18	-06	2.63	1.73	.24	1.73
7-6S	1/2-18	-06	2.63	1.73	.24	1.73
6-8S	1/2-18	-08	3.04	1.89	.28	1.73
7-8S	1/2-18	-08	3.04	1.89	.28	1.73
8S	1/2-18	-08	3.04	1.89	.36	1.75
10S	1/2-18	-10	3.44	2.15	.46	2.22
8-12S	1/2-18	-12	3.49	1.92	.39	1.75
190325-						
6S	1/2-18	-06	3.67	2.77	.24	2.73



Straight FJ9706-

Dash Size	"T" Thread	Hose Size	A	D	E
FJ9706-					
0404S	1/2-18	-04	2.09	1.34	.13
0406S	1/2-18	-05	2.03	1.25	.17
0606S	1/2-16	-06	2.43	1.53	.24
0806S	1/2-16	-08	3.13	1.98	.36
1010S	1-14	-10	3.37	2.08	.46
1212S	1 1/2-12	-12	3.68	2.11	.55
1616S	1 1/2-12	-16	3.50	2.23	.82
2020S	1 1/2-12	-20	3.64	2.28	1.05
2424S	2-12	-24	3.85	2.40	1.26



45° Elbow
FJ9707-

Dash Size	"T" Thread	Hose Size	A	D	E	H
FJ9707-						
0404S	1/2-18	-04	1.98	1.21	.13	.41
0606S	1/2-16	-06	2.27	1.37	.22	.43
0806S	1/2-16	-08	2.88	1.78	.24	.59
0808S	1/2-16	-08	3.03	1.88	.36	.59
1010S	1-14	-10	3.38	2.08	.46	.65
1212S	1 1/2-12	-12	3.84	2.27	.55	.83
1616S	1 1/2-12	-16	3.62	2.35	.76	.94
2020S	1 1/2-12	-20	4.09	2.72	1.01	1.00
2424S	2-12	-24	4.32	2.87	1.26	1.07

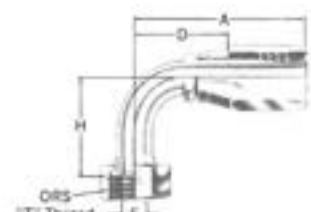
ORS Reusable Fittings

for use with Hose
302A, 303, 1503, 1540, 2580, 2651,
FC202, FC234, FC300, FC321,
FC350, FC355, FC558



90° Elbow short drop
FJ9708-

Dash Size	"T" Thread	Hose Size	A	D	E	H
FJ9708-						
0404S	1/2-18	-04	1.80	1.05	.13	.82
0606S	1/2-16	-06	2.13	1.23	.22	.90
0808S	1/2-16	-08	2.76	1.61	.36	1.15
1010S	1-14	-10	3.03	1.74	.46	1.27
1212S	1 1/2-12	-12	3.74	2.17	.55	1.88
1616S	1 1/2-12	-16	3.55	2.28	.76	2.21
2020S	1 1/2-12	-20	4.02	2.65	1.01	2.51
2424S	2-12	-24	4.42	2.97	1.26	2.70



90° Elbow long drop
FJ9709-

Dash Size	"T" Thread	Hose Size	A	D	E	H
FJ9709-						
0404S	1/2-18	-04	1.80	1.05	.13	1.80
0606S	1/2-16	-06	2.25	1.35	.22	2.13
0808S	1/2-16	-08	2.88	1.73	.36	2.51
1010S	1-14	-10	3.03	1.74	.46	2.76
1212S	1 1/2-12	-12	3.74	2.17	.55	3.78
1616S	1 1/2-12	-16	3.55	2.27	.76	4.50
2020S	1 1/2-12	-20	4.02	2.65	1.01	5.09
2424S	2-12	-24	4.42	2.97	1.26	5.54

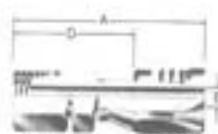
BSP Reusable Fittings

for use with Hose
302A, 303, 1503, 1540, 2580, 2651,
FC202, FC234, FC300, FC321,
FC350, FC355, FC558



BSP male 07.340-

Dash Size	Thread	Hose Size	A	D	E
07.340-					
4-4	1/4-19	-04	1.83	1.08	.13
			46.5	27.5	3.2
6-6	1/4-19	-06	2.09	1.18	.24
			53	30	6.0
8-8	1/4-14	-08	2.52	1.35	.35
			64	34.5	9.0
10-10	1/4-14	-10	2.80	1.50	.45
			71	38	11.5
12-12	1/4-14	-12	3.13	1.66	.55
			79.5	42.5	14.0
16-16	1-11	-16	2.81	1.54	.83
			71.5	39	21.0
20-20	1 1/4-11	-20	2.91	1.66	1.04
			74	42.5	26.5
24-24	1 1/2-11	-24	3.05	1.59	1.28
			77.5	40.5	32.5
32-32	2-11	-32	3.76	1.91	1.75
			95.5	48.5	44.5



BSP female swivel 07.421-

Dash Size	Thread	Hose Size	A	D	E
07.421-					
4-4	1/4-19	-04	2.05	1.30	.13
			52	33	3.2
6-6	1/4-19	-06	2.34	1.44	.24
			59.5	36.5	6.0
8-8	1/4-19	-08	2.40	1.50	.24
			61	38	6.0
8-8	1/4-14	-08	2.76	1.69	.35
			70	40.5	9.0
10-10	1/4-14	-10	2.97	1.69	.45
			75.5	43	11.5
12-12	1/4-14	-12	3.03	1.73	.45
			77	44	11.5
12-12	1/4-14	-12	3.32	1.75	.55
			84.5	44.5	14.0
16-16	1-11	-16	3.87	1.79	.83
			98	45.5	21.0
20-20	1 1/4-11	-20	3.21	1.85	1.04
			81.5	47	26.5
24-24	1 1/2-11	-24	3.43	1.97	1.28
			87	50	32.5
32-32	2-11	-32	3.98	2.13	1.75
			101	54	44.5

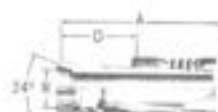
Aeroquip Fittings Metric Reusable Fittings

for use with Hose
302A, 303, 1503, 1540, 2580, 2651,
FC202, FC234, FC300, FC321,
FC350, FC355, FC558



Metric male 60° DIN 7631/7647 07.024-

Dash Size	Thread	Hose Size	A	D	E
07.024-					
4-4	M12 x 1.5	-04	1.77	1.02	.13
			45	26	3.2
6-6	M14 x 1.5	-06	1.87	1.08	.18
			47.5	27.5	4.5
8-8	M16 x 1.5	-08	1.97	1.06	.24
			50	27	6.0
10-10	M18 x 1.5	-10	2.32	1.18	.35
			59	30	9.0
13-10	M22 x 1.5	-10	2.56	1.26	.45
			65	32	11.5
16-12	M26 x 1.5	-12	2.85	1.28	.55
			72.5	32.5	14.0
20-16	M30 x 1.5	-16	2.48	1.22	.83
			63	31	21.0
25-20	M38 x 1.5	-20	2.66	1.30	1.04
			67.5	33	26.5
32-24	M45 x 1.5	-24	2.76	1.30	1.28
			70	33	32.5
40-32	M52 x 1.5	-32	3.31	1.46	1.28
			84	37	44.5
50-32	M65 x 2	-32	3.42	1.57	1.75
			87	40	44.5
60-40	M78 x 2	-40	3.72	1.81	2.20
			94.5	46	56.0
70-48	M90 x 2	-48	3.96	2.05	2.80
			100.5	52	71.0



Metric male 24° DIN 3901/3902 07.003-

Dash Size	Thread	Hose Size	A	D	E
07.003-					
4-4	M12 x 1.5	-04	1.77	1.02	.13
			45	26	3.2
6-6	M14 x 1.5	-06	1.87	1.08	.18
			47.5	27.5	4.5
8-8	M16 x 1.5	-08	2.01	1.10	.24
			51	28	6.0
10-10	M18 x 1.5	-10	2.01	1.10	.24
			51	28	6.0
12-10	M22 x 1.5	-10	2.38	1.20	.35
			60	30.5	9.0
15-10	M22 x 1.5	-10	2.56	1.26	.45
			65	32	11.5
16-10	M26 x 1.5	-10	2.56	1.26	.45
			65	32	11.5
18-12	M26 x 1.5	-12	2.85	1.28	.55
			72.5	32.5	14.0
22-16	M30 x 2	-16	2.56	1.28	.83
			65	32.5	21.0
28-20	M38 x 2	-20	2.66	1.30	1.04
			67.5	33	26.5
35-24	M45 x 2	-24	2.83	1.38	1.28
			72	35	32.5
42-32	M52 x 2	-32	3.38	1.54	1.75
			86	39	44.5



Metric male 24° DIN 3901/3902 07.026-

Dash Size	Thread	Hose Size	A	D	E
07.026-					
4-4	M16 x 1.5	-04	1.95	1.10	.13
			47	28	3.2
10-5	M18 x 1.5	-06	1.95	1.16	.18
			49.5	29.5	4.5
12-6	M20 x 1.5	-06	2.05	1.14	.24
			52	29	6.0
14-8	M22 x 1.5	-08	2.48	1.32	.35
			63	33.5	9.0
16-10	M24 x 1.5	-10	2.64	1.34	.45
			67	34	11.5
20-12	M30 x 2	-12	3.09	1.52	.55
			78.5	38.5	14.0
25-16	M38 x 2	-16	2.72	1.44	.83
			69	36.5	21.0
30-20	M42 x 2	-20	2.89	1.54	1.04
			73.5	39	26.5
38-24	M52 x 2	-24	3.15	1.69	1.28
			80	43	32.5



Metric universal female swivel 60° DIN 7631/7647 07.002-/07.036-

Dash Size	Thread	Hose Size	A	D	E
07.002-					
4-4	M12 x 1.5	-04	2.01	1.26	.13
			51	32	3.2
6-6	M14 x 1.5	-06	2.11	1.32	.18
			53.5	33.5	4.5
8-8	M16 x 1.5	-08	2.22	1.32	.24
			56.5	35	6.0
10-8	M18 x 1.5	-08	2.64	1.48	.35
			67	37.5	9.0
13-10	M22 x 1.5	-10	2.87	1.59	.45
			73	40.5	11.5
16-12	M26 x 1.5	-12	3.29	1.71	.55
			83.5	43.5	14.0
07.036-					
20-16	M30 x 1.5	-16	2.85	1.61	.83
			72.5	40.9	21.0
25-20	M38 x 1.5	-20	3.01	1.65	1.04
			76.5	42	26.5
32-24	M45 x 1.5	-24	3.23	1.77	1.28
			82	45	32.5
40-32	M52 x 1.5	-32	3.68	1.83	1.75
			93.5	46.5	44.5
50-32	M65 x 2	-32	3.68	1.83	1.75
			93.5	46.5	44.5
60-40	M78 x 2	-40	4.06	2.15	2.20
			103	54.5	56.0
70-48	M90 x 2	-48	4.37	2.36	2.80
			108.5	60	71.0

inches in bold type
millimeters in light type

*Re dimension is tube O.D. and refers to mating component when not called out on the illustration.

Aeroquip Fittings

Metric Reusable Fittings

for use with Hose
302A, 303, 1503, 1540, 2580, 2651,
FC202, FC234, FC300, FC321,
FC350, FC355, FC558



Metric universal female swivel 24°
DIN 3901/3902 L/Rh. 07.002-

Dash Size	Thread	Hose Size	A	D	E	R
07.002-						
4-4	M12 x 1.5	-04	2.01 51	1.26 32	.13 3.2	.24 6
6-5	M14 x 1.5	-05	2.11 53.5	1.32 33.5	.18 4.5	.31 8
8-6	M16 x 1.5	-06	2.22 56.5	1.32 33.5	.24 6.0	.39 10
10-8	M18 x 1.5	-08	2.64 67	1.48 37.5	.35 9.0	.47 12
13-10	M22 x 1.5	-10	2.87 73	1.59 40.5	.45 11.5	.59 15
16-12	M26 x 1.5	-12	3.29 83.5	1.71 43.5	.55 14.0	.71 18
22-16	M30 x 2	-16	2.91 74	1.63 41.5	.83 21.0	.87 22
28-20	M36 x 2	-20	3.07 78	1.71 43.5	1.04 26.5	1.10 28
35-24	M45 x 2	-24	3.21 81.5	1.75 44.5	1.28 32.5	1.38 35
42-32	M52 x 2	-32	3.79 94	1.85 47	1.75 44.5	1.65 42



Metric universal female swivel 24°
DIN 3901/3902 s.Rh. 07.155-

Dash Size	Thread	Hose Size	A	D	E	R
07.155-						
8-4	M16 x 1.5	-04	2.07 52.5	1.32 33.5	.13 3.2	.31 8
10-5	M18 x 1.5	-05	2.17 55	1.38 35	.18 4.5	.39 10
12-6	M20 x 1.5	-06	2.34 59.5	1.44 36.5	.24 6.0	.47 12
14-8	M22 x 1.5	-08	2.70 68.5	1.54 39	.35 9.0	.55 14
16-10	M24 x 1.5	-10	2.93 74.5	1.63 41.5	.45 11.5	.63 16
20-12	M30 x 2	-12	3.37 85.5	1.79 45.5	.55 14.0	.79 20
25-16	M36 x 2	-16	2.95 75	1.67 42.5	.83 21.0	.98 25
30-20	M42 x 2	-20	3.09 78.5	1.73 44	1.04 26.5	1.18 30
37-24	M52 x 2	-24	3.31 84	1.85 47	1.28 32.5	1.50 38

inches in bold type
millimeters in light type

*Re dimension is tube O.D. and refers to mating component when not called out on the illustration.

Komatsu Reusable Fittings

for use with Hose
302A, 303, 1503, 1540, 2580, 2651,
FC202, FC234, FC300, FC321, FC350,
FC355, FC558



Komatsu
30° metric female swivel
FC5954-

Dash Size	Thread	Hose Size	A	D	E
FC5954-					
0306S	M18 x 1.5	-06	2.49 63.3	1.59 40.4	.24 6.1
0410S	M22 x 1.5	-10	3.10 78.7	1.82 46.2	.37 9.4
0512S	M24 x 1.5	-12	3.55 90.2	1.98 50.3	.48 12.2
0612S	M30 x 1.5	-12	3.76 95.5	2.19 55.6	.56 14
1016S	M33 x 1.5	-16	3.55 90.2	2.28 57.9	.82 20.8
1424S	M42 x 1.5	-24	4.12 107.7	2.67 67.8	1.19 30.2

EPHA[®] Hose Spacer



Features:

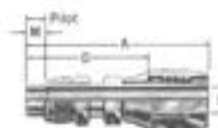
- Prevents hose abrasion at points of contact
- Helps keep hoses organized
- Prevents damage from unrestrained hoses
- Easy to install
- Available in 4 sizes - 3/4", 1", 1 1/4", 1 1/2"
- Packed in colorful counter display boxes of 48 - cable ties included
- Also available in mixed boxes of 48 (12 of each size) or refill bags of 12

Part Number	Description
HSM-48	Case of 48 mixed Hose Spacers

Aeroquip Fittings

Bump Tube O-Ring Seal

for use with Refrigeration Hose
1540, FC202, FC558



Male
FC7646-/FC7049

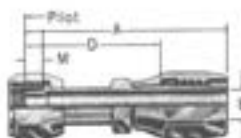


Male 90° elbow
FC7662-/FC7474

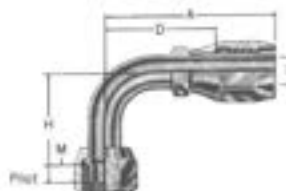
Part Number	Pilot		Thread	Hose Size	A	D	EØ	H	M
	O.D.	Length							
Male (short pilot)									
FC7646-0606S	.337	.18	1/8-18	-06	3.03	2.13	.24		.18
FC7646-0808S	.461	.18	1/8-18	-08	3.43	2.28	.36		.18
FC7646-1010S	.570	.18	1/8-18	-10	3.85	2.56	.46		.18
Male (long pilot)									
FC7049-0606S	.337	.28	1/8-18	-06	3.03	2.13	.24		.28
FC7049-0808S	.461	.38	1/8-18	-08	3.63	2.48	.36		.38
FC7049-1010S	.570	.38	1/8-18	-10	3.85	2.56	.46		.38
Male 90° elbow (short pilot)									
FC7662-0606S	.337	.18	1/8-18	-06	2.47	1.57	.24	1.76	.18
FC7662-1010S	.570	.18	1/8-18	-10	3.28	1.99	.46	2.06	.18
Male 90° elbow (long pilot)									
FC7474-0606S	.337	.28	1/8-18	-06	2.72	1.82	.24	2.30	.28
FC7474-1010S	.570	.38	1/8-18	-10	3.28	1.99	.46	2.83	.38

NOTE: O-Rings must be ordered separately. Order by part number 22546-11 for -06 size fittings, 22546-13 for -08 size fittings, 22546-15 for -10 size fittings and 22546-17 for -12 size fittings.

Female
FC7048-



Female 90°
elbow
FC7573-



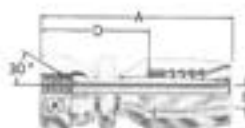
Part Number	Pilot		Thread	Hose Size	A	D	EØ	H	M
	O.D.	Length							
Female (long pilot)									
FC7048-0606S	.337	.28	1/8-18	-06	2.67	1.77	.22		.29
FC7048-0808S	.461	.38	1/8-16	-08	3.27	2.12	.36		.38
FC7048-1010S	.570	.38	1/8-14	-10	3.61	2.32	.46		.44
FC7048-1212S	.695	.57	1 1/8-14	-12	4.00	2.44	.55		.57
Female 90° elbow (long pilot)									
FC7573-0606S	.337	.28	1/8-18	-06	2.72	1.82	.24	1.17	.29
FC7573-0808S	.461	.38	1/8-16	-08	3.50	2.35	.36	1.24	.38
FC7573-1010S	.570	.38	1/8-14	-10	4.22	2.93	.46	1.50	.44
FC7573-1210S	.695	.38	1 1/8-14	-10	4.69	3.40	.46	1.99	.57
FC7573-1212S	.695	.57	1 1/8-14	-12	4.99	3.42	.55	1.99	.57

All dimensions in inches.

Aeroquip Fittings

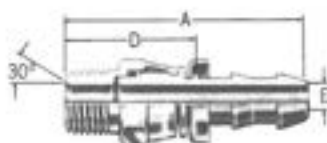
Komatsu Reusable Fittings

for use with Hose
FC136, FC250A, GH493



Komatsu
30° Swivel-Metric Threads
FJ7286-

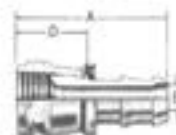
Dash Size	Thread	Hose Size	A	D	E ϕ
FJ7286-					
0408S	M22 x 1.5	-08	3.32	1.66	.37
0512S	M24 x 1.5	-12	3.92	2.06	.48
0612S	M30 x 1.5	-12	4.08	2.22	.61
1016S	M33 x 1.5	-16	4.86	2.76	.80



Male pipe swivel FJ9065-/FJ9486-
**Uses Neoprene O-Ring

Dash Size	Thread	Hose Size	A	D	E ϕ
FJ9065-					
0404S	1/4-18	-04	2.19	1.43	.17
0606S	1/2-18	-06	2.30	1.43	.30
0808S	3/4-14	-08	2.70	1.69	.39
FJ9486-					
0204B	1/4-27	-04	1.70	.94	.12

**Use only with petroleum and waterglycol fluids.

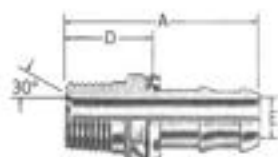


Universal and SAE 45° swivel
4797- Universal/ 4739- SAE 45°**

Dash Size	Thread	Hose Size	A	D	E ϕ
4797-					
481	1/4-20	-04	1.46	.71	.17
5-481	1/2-20	-04	1.52	.77	.17
8-681	1/2-16	-06	1.79	.93	.30
881	1/2-16	-08	1.95	.93	.39
10-88	3/4-14	-08	2.07	1.06	.39
1081	1/2-14	-10	2.60	1.06	.48
4739-					
68*	1/2-18	-06	1.67	.81	.30
128*	1 1/4-14	-12	2.71	1.19	.61

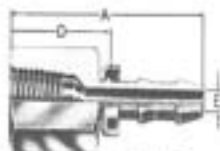
Socketless

for use with Hose
1525, 2556, 2565, 2575, FC332



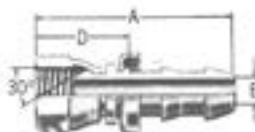
Male pipe 4738-

Dash Size	Thread	Hose Size	A	D	E ϕ
4738-					
2-48	1/4-27	-04	1.40	.65	.17
4-48	1/2-18	-04	1.58	.83	.17
4-68	1/2-18	-06	1.76	.89	.30
6-68	1/2-18	-06	1.76	.89	.30
6-88	1/2-18	-08	1.91	.89	.39
8-88	1/2-14	-08	2.16	1.14	.39
8-108	1/2-14	-10	2.68	1.14	.48
12-128	1 1/4-14	-12	2.72	1.21	.61



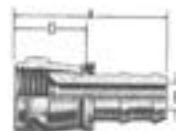
Female pipe 4753-

Dash Size	Thread	Hose Size	A	D	E ϕ
4753-					
4-48	1/4-18	-04	1.52	.77	.17
6-68	1/2-18	-06	1.70	.83	.30
8-88	3/4-14	-08	2.03	1.02	.39



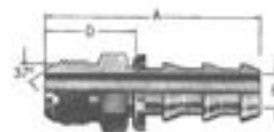
Female NPSM swivel FC5853-

Dash Size	Thread	Hose Size	A	D	E ϕ
FC5853-					
0404S	1/4-18	-04	1.64	.89	.17
0606S	1/2-18	-06	1.75	.89	.30
0808S	3/4-14	-08	2.03	1.01	.39
0810S	1/2-14	-10	2.55	1.01	.48
1212S	1 1/4-14	-12	2.63	1.11	.61



Universal and SAE 37° (JIC) swivel
4797- Universal/ 4741- SAE 37°**

Dash Size	Thread	Hose Size	A	D	E ϕ
4797-					
481	1/4-20	-04	1.46	.71	.17
881	1/2-16	-08	1.95	.93	.39
1081	1/2-14	-10	2.60	1.06	.48
4741-					
3-48	1/4-24	-04	1.44	.69	.12
6-48	1/2-18	-04	1.56	.81	.17
5-68	1/2-20	-06	1.66	.80	.23
68	1/2-18	-06	1.67	.80	.30
128	1 1/4-12	-12	2.71	1.19	.61



SAE 37° (JIC) Male flare 190672-

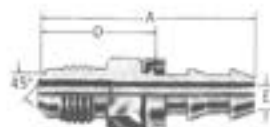
Dash Size	Thread	Hose Size	A	D	E ϕ
190672-					
48	1/4-20	-04	1.63	.88	.17
68	1/2-18	-06	1.75	.89	.30

*Double notch in nut for Universal type identification for both SAE 45° and 37° (JIC) connections.
**Single notch in nut for SAE 45° identification.



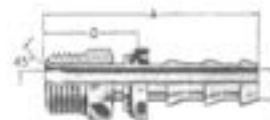
Aeroquip Fittings

Reusable Fittings



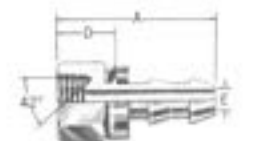
SAE 45° male flare 4742-

Dash Size	Thread	Hose Size	A	D	E ϕ
4742-					
4B	1/4-20	-04	1.58	.83	.17
5-4B	1/4-20	-04	1.64	.89	.17
6B	1/4-18	-06	1.82	.95	.28
8B	1/4-16	-08	2.10	1.08	.38



SAE 45° inverted male flare 4740-

Dash Size	Thread	Hose Size	A	D	E ϕ
4740-					
3-4B	1/4-24	-04	1.50	.75	.13
4B	1/4-24	-04	1.50	.75	.17
5-4B	1/4-20	-04	1.58	.82	.17
6B	1/4-18	-06	1.72	.86	.30
8B	1/4-18	-08	1.96	.94	.39
10B	1/4-18	-10	2.55	1.01	.48



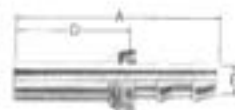
SAE 42° inverted female flare 4743-

Dash Size	Thread	Hose Size	A	D	E ϕ
4743-					
3-4B	1/4-24	-04	1.21	.46	.13
4B	1/4-24	-04	1.21	.46	.17
5-4B	1/4-20	-04	1.24	.49	.17
6B	1/4-18	-06	1.41	.55	.30
8-6B	1/4-18	-06	1.44	.58	.30



Hose mender 4772-

Dash Size	Hose Size	A	D	E ϕ
4772-				
4B	-04	1.85	.32	.17
6B	-06	2.08	.32	.30
8B	-08	2.44	.38	.39
10B	-10	3.55	.47	.48
12B	-12	3.57	.54	.61



Compression type 4750-

Dash Size	Tube Size	Hose Size	A	D	E ϕ
4750-					
3-4B	-03	-04	1.77	1.02	.13
4B	-04	-04	1.77	1.02	.17
5-4B	-05	-04	1.83	1.08	.17
6B	-06	-06	2.07	1.21	.30
8B	-08	-08	2.34	1.33	.39
10B	-10	-10	2.57	1.03	.48



45° elbow
FC5846-SAE 45° swivel*
FC5847-SAE 37° (JIC) swivel
FC5849-Universal swivel†

Dash Size	Thread	Hose Size	A	D	E ϕ	H
FC5846-						
06065*	1/4-18	-06	1.80	.93	.30	.39
FC5847-						
06065	1/4-18	-06	1.80	.93	.30	.39
FC5849-						
04045†	1/4-20	-04	1.56	.81	.17	.33
08085†	1/4-16	-08	2.30	1.28	.38	.55



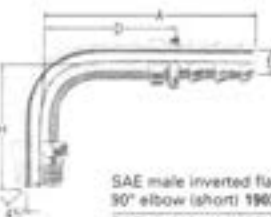
90° elbow (short)
190328-SAE 45° swivel*
191321-Universal swivel†
190516-SAE 37° (JIC) swivel
90° elbow (long)
190465-SAE 37° (JIC) swivel
FC5852-Universal swivel†

Dash Size	Thread	Hose Size	A	D	E ϕ	H
190328-						
65*	1/4-18	-06	1.69	.83	.30	.85
191321-						
45†	1/4-20	-04	1.45	.70	.17	.68
8-65†	1/4-18	-06	1.91	1.04	.30	1.09
85†	1/4-16	-08	2.06	1.05	.39	1.09
190516-						
65	1/4-18	-06	1.70	.83	.30	.85
190465-						
65	1/4-18	-06	1.70	.83	.30	2.18
FC5852-						
04045†	1/4-20	-04	1.45	.70	.17	1.80



SAE male inverted flare
45° elbow 190944-

Dash Size	Thread	Hose Size	A	D	E ϕ	H
190944-						
45	1/4-24	-04	2.46	1.70	.17	.96
65	1/4-18	-06	2.57	1.70	.30	.96

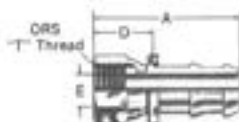


SAE male inverted flare
90° elbow (short) 190327
SAE male inverted flare
90° elbow (long) 190328

Dash Size	Thread	Hose Size	A	D	E ϕ	H
190327-						
45	1/4-24	-04	2.08	1.33	.17	1.69
65	1/4-18	-06	2.20	1.33	.30	1.73
8-65	1/4-18	-06	2.19	1.33	.30	1.74
85	1/4-18	-08	2.34	1.33	.39	1.75
190328-						
65	1/4-18	-06	3.24	2.38	.30	2.73

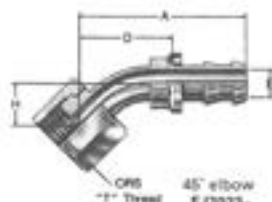
ORS Socketless

for use with Hose
152S, 255S, 256S, 257S, FC332

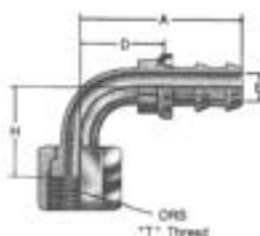


Straight FJ7044-

Dash Size	Thread	Hose Size	A	D	E ϕ	H
FJ7044-						
0404S	$\frac{1}{2}$ -18	-04	1.43	.35	.68	.17
0606S	$\frac{1}{2}$ -16	-06	1.63	.39	.76	.26
0808S	$\frac{1}{2}$ -16	-08	1.94	.49	.92	.38
1212S	$1\frac{1}{2}$ -12	-12	2.64	.55	1.12	.61



Dash Size	Thread	Hose Size	A	D	E ϕ	H
FJ7023-						
0404S	$\frac{1}{2}$ -18	-04	1.64	.89	.17	.41
0606S	$\frac{1}{2}$ -16	-06	1.84	.97	.30	.44
0808S	$\frac{1}{2}$ -16	-08	2.34	1.32	.39	.59
1212S	$1\frac{1}{2}$ -12	-12	3.42	1.90	.61	.83



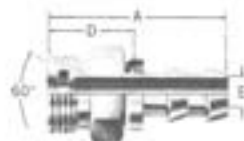
90° elbow
FJ7358-

Dash Size	Thread	Hose Size	A	D	E ϕ	H
FJ7358-						
0404S	$\frac{1}{2}$ -18	-04	1.52	.77	.17	.82
0606S	$\frac{1}{2}$ -16	-06	1.70	.93	.30	.91
0808S	$\frac{1}{2}$ -16	-08	2.06	1.05	.39	1.15
1212S	$1\frac{1}{2}$ -12	-12	3.32	1.70	.61	1.90

All dimensions in inches.

Aeroquip Fittings **BSP Socketless**

for use with Hose
152S, 255S, 256S, 257S, FC332



BSP male 07.122-

Dash Size	Thread	Hose Size	A	D	E ϕ
07.122-					
4-4	$\frac{1}{2}$ -19	-04	1.56	.81	.16
			39.5	20.5	4.0
6-6	$\frac{1}{2}$ -19	-06	1.73	.87	.30
			44	22	7.5
8-8	$\frac{1}{2}$ -14	-08	1.97	.94	.39
			50	24	10.0
10-10	$\frac{1}{2}$ -14	-10	2.64	1.10	.47
			67	28	12.0
12-12	$\frac{1}{2}$ -14	-12	2.62	1.10	.61
			66.5	28	15.5
16-12	1-11	-12	2.76	1.24	.61
			70	31.5	15.5



BSP Female swivel 07.390-

Dash Size	Thread	Hose Size	A	D	E ϕ
07.390-					
4-4	$\frac{1}{2}$ -19	-04	1.79	1.04	.16
			45.5	26.5	4.0
6-6	$\frac{1}{2}$ -19	-06	1.97	1.10	.30
			50	28	7.5
8-8	$\frac{1}{2}$ -14	-08	2.20	1.18	.39
			56	30	10.0
10-10	$\frac{1}{2}$ -14	-10	2.78	1.22	.47
			70	31	12.0
12-12	$\frac{1}{2}$ -14	-12	2.81	1.30	.61
			71.5	33	15.5
16-12	1-11	-12	2.92	1.42	.61
			74.5	36	15.5

Inches in bold type.
Millimeters in light type.
Material for BSP and Metric fittings is steel.



Metric universal female swivel 24"
DIN 3901/3902 I.Rh. 07.006-07.091

Dash Size	Thread	Hose Size	A	D	E ϕ	R ϕ
07.006-						
4-4	M12 x 1.5	-04	1.48	.73	.16	.24
			37.5	18.5	4.0	6
6-6	M16 x 1.5	-06	1.83	.77	.30	.39
			41.5	19.5	7.5	10
07.091-						
6-4	M14 x 1.5	-04	1.38	.83	.16	.31
			35	16	4.0	8
10-6	M18 x 1.5	-06	1.52	.86	.30	.47
			38.5	16.5	7.5	12
13-8	M22 x 1.5	-08	1.83	.81	.39	.59
			46.5	20.5	10.0	15
16-10	M26 x 1.5	-10	2.24	.71	.47	.71
			57	18	12.0	18
22-12	M30 x 2	-12	2.40	.89	.61	.87
			61	22.5	15.5	22

Inches in bold type.
Millimeters in light type.

Metric Socketless

for use with Hose
152S, 255S, 256S, 257S, FC332



Metric male 60" DIN 7631/7647 07.025-

Dash Size	Thread	Hose Size	A	D	E ϕ
07.025-					
4-4	M12 x 1.5	-04	1.50	.75	.16
			38	19	4.0
6-4	M14 x 1.5	-04	1.50	.75	.16
			38	19	4.0
8-6	M16 x 1.5	-06	1.61	.75	.30
			41	19	7.5
10-6	M18 x 1.5	-06	1.61	.75	.30
			41	19	7.5
13-8	M22 x 1.5	-08	1.85	.83	.39
			47	21	10.0
16-10	M26 x 1.5	-10	2.40	.87	.47
			61	22	12.0
20-12	M30 x 1.5	-12	2.59	.87	.61
			64	22	15.5



Metric male 24" DIN 3901/3902 I.Rh. 07.021-

Dash Size	Thread	Hose Size	A	D	E ϕ	R ϕ
07.021-						
4-4	M12 x 1.5	-04	1.50	.75	.16	.24
			38	19	4.0	6
6-4	M14 x 1.5	-04	1.50	.75	.16	.31
			38	19	4.0	8
8-6	M16 x 1.5	-06	1.65	.79	.30	.39
			42	20	7.5	10
10-6	M18 x 1.5	-06	1.65	.79	.30	.47
			42	20	7.5	12
12-6	M18 x 1.5	-06	1.65	.79	.30	.47
			42	20	7.5	12
15-8	M22 x 1.5	-08	1.85	.83	.39	.59
			47	21	10.0	15
18-10	M26 x 1.5	-10	2.36	.83	.47	.71
			60	21	12.0	18
22-12	M30 x 2	-12	2.50	.86	.61	.87
			63.5	25	15.5	22



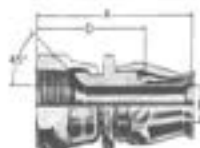
Metric universal female swivel
60" DIN 7631/7647
07.006-07.091-07.114-

Dash Size	Thread	Hose Size	A	D	E ϕ
07.006-					
4-4	M12 x 1.5	-04	1.48	.73	.16
			37.5	18.5	4.0
6-6	M16 x 1.5	-06	1.83	.77	.30
			41.5	19.5	7.5
07.091-					
6-4	M14 x 1.5	-04	1.38	.83	.16
			35	16	4.0
10-6	M18 x 1.5	-06	1.52	.86	.30
			38.5	16.5	7.5
13-8	M22 x 1.5	-08	1.83	.81	.39
			46.5	20.5	10.0
16-10	M26 x 1.5	-10	2.24	.71	.47
			57	18	12.0
07.114-					
20-12	M30 x 1.5	-12	2.22	.71	.61
			56.5	18	15.5

*R ϕ is tube O.D. and refers to mating component when not called out on the illustration.

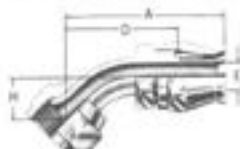
Aeroquip Fittings

Reusable Fittings



SAE 45° swivel 63-190990-

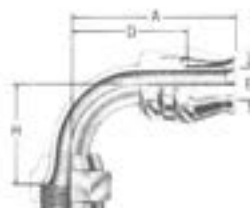
Dash Size	Thread	Hose Size	A	D	E ϕ
63-190990-					
4	1/8-20	-04	1.58	1.12	.16
5	1/8-20	-05	1.68	1.17	.23
6	1/8-18	-06	1.77	1.25	.28
8	1/8-16	-08	1.98	1.36	.38
10	1/8-14	-10	2.22	1.54	.47
12	1/8-14	-12	2.33	1.67	.59



45° elbow
190773- SAE 37° (JIC) swivel
190773-(FC9341)-SAE 45° swivel

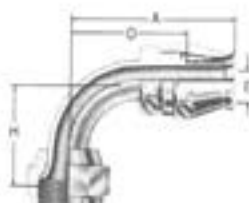
Dash Size	Thread	Hose Size	A	D	E ϕ	H
190773-						
35	1/8-24	-03	1.50	1.17	.09	.46
45	1/8-20	-04	1.51	1.05	.16	.33
55	1/8-20	-05	1.62	1.11	.23	.38
65	1/8-18	-06	1.72	1.20	.28	.39
85	1/8-16	-08	2.27	1.64	.38	.55
105	1/8-14	-10	2.46	1.79	.47	.64
125	1/8-12	-12	2.86	2.21	.59	.78
165	1/8-12	-16	3.30	2.68	.83	1.07
205	1/8-12	-20	3.80	3.14	1.06	1.22
FC9341-						
0606S	1/8-18	-06	1.72	1.20	.28	.39
1212S	1/8-14	-12	2.86	2.21	.59	.78

† SAE 37° (JIC) swivel only.



SAE 37° (JIC) swivel
90° elbow 190772-

Dash Size	Thread	Hose Size	A	D	E ϕ	H
190772-						
35	1/8-24	-03	1.27	.93	.09	.87
45	1/8-20	-04	1.41	.95	.16	.88
55	1/8-20	-05	1.52	1.00	.23	.77
65	1/8-18	-06	1.62	1.10	.28	.85
85	1/8-16	-08	2.03	1.41	.38	1.09
105	1/8-14	-10	2.16	1.49	.47	1.23
10-125	1/8-14	-12	2.23	1.57	.46	1.23
125	1/8-12	-12	2.82	2.17	.59	1.82
12-165	1/8-14	-16	2.87	2.22	.58	1.82
185	1/8-12	-16	3.10	2.49	.82	2.39



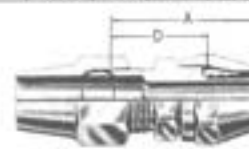
SAE 45° swivel 90° elbow
190772-(FC9171)-

Dash Size	Thread	Hose Size	A	D	E ϕ	H
190772-						
45	1/8-20	-04	1.41	.95	.16	.88
55	1/8-20	-05	1.52	1.00	.23	.77
85	1/8-16	-08	2.03	1.41	.38	1.09
105	1/8-14	-10	2.16	1.49	.47	1.23
FC9171-						
0606S	1/8-18	-06	1.62	1.10	.28	.85
1212S	1/8-14	-12	2.80	2.19	.59	1.82



2-bolt swivel flange
63-190626-

Dash Size	Flange Head Dia.	Hose Size	A	D	E ϕ
63-190626-					
6	2.88	-06	1.78	1.26	.28
12	2.88	-12	2.07	1.42	.56
16	2.88	-16	2.18	1.49	.19



Compression ball sleeve 38-191074-

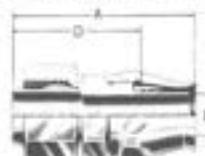
Dash Size	Tube Size	Hose Size	A	D	E ϕ
38-191074-					
8	-08	-08	1.66	1.04	.38
10	-10	-10	1.85	1.18	.47
12	-12	-12	2.08	1.41	.59

NOTE: For correct socket part number, see page 108.
*Some B-W compressor adapters require special mating nuts. For 1/8"-18 thread size for 1/2" O.D. tubing, using fitting 190718-10-85 with 2807-8 Hose.

For special thread size 1/8"-18, use fitting 190742-105 with 2807-10 Hose.

NOTE: Sleeve part number is 900568 (size)
All dimensions in inches.

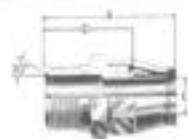
Super Gem Fittings



SAE ball sleeve* 190718-

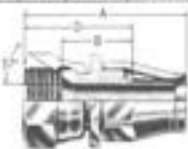
Dash Size	Thread	Hose Size	A	D	E ϕ
190718-					
85	1/8-20	-08	2.07	1.44	.38
10-85	1/8-18	-08	2.07	1.44	.38
105	1/8-18	-10	2.16	1.49	.48
125	1-18	-12	2.42	1.76	.59

for use with Teflon Hose
2807, FC186, FC465



Male Pipe 38-190627-

Dash Size	Thread	Hose Size	A	D	E ϕ
38-190627-					
2-4	1/8-27	-04	1.36	.89	.16
4-4	1/8-18	-04	1.54	1.08	.16
4-5	1/8-18	-05	1.58	1.07	.23
4-6	1/8-18	-06	1.66	1.13	.28
6-6	1/8-18	-06	1.66	1.13	.28
6-8	1/8-18	-08	1.79	1.16	.38
8-10	1/8-14	-10	2.13	1.46	.47
12-12	1/8-14	-12	2.26	1.61	.59
16-16	1-11 1/2	-16	2.48	1.86	.83
20-20	1 1/2-11 1/2	-20	2.83	2.17	1.06



SAE 37° (JIC) swivel 63-190609-

Dash Size	Thread	Hose Size	A	D	E ϕ
63-190609-					
4*	1/8-20	-04	1.58	1.13	.16
5*	1/8-20	-05	1.68	1.17	.23
6*	1/8-18	-06	1.74	1.22	.26
8*	1/8-16	-08	1.98	1.35	.38
10*	1/8-14	-10	2.22	1.54	.47
12*	1/8-12	-12	2.33	1.67	.59
16*	1/8-12	-16	2.52	1.91	.83
20*	1/8-12	-20	2.82	2.27	1.06

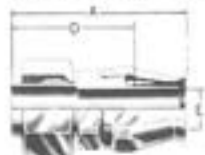
*Also supplied in stainless steel. Add suffix "C" to part number and delete prefix "63".

NOTE: Sleeve part number 900568 (size).

Aeroquip Fittings

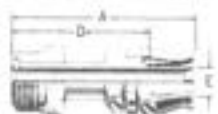
Super Gem Fittings

For use with Teflon Hose
2807, FC186, FC465, 807



Special ball sleeve* 190742-

Dash Size	Thread	Hose Size	A	D	E _o
190742-					
10S	1/8-18	-10	2.16	1.49	.48



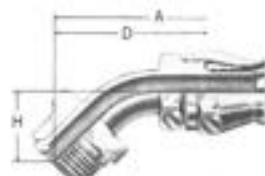
SAE male inverted flare
Straight FC9062-

Dash Size	Thread	Hose Size	A	D	E _o
FC9062-					
0404S	1/4-24	-04	2.13	1.66	.16
0505S	1/2-20	-05	2.17	1.66	.23
0506S	1/2-20	-06	2.21	1.69	.21
0606S	1/2-18	-06	2.21	1.69	.28
0808S	1/2-18	-08	2.47	1.84	.38
1010S	1/2-18	-10	2.78	2.11	.47
1212S	1 1/2-16	-12	3.02	2.37	.59

*Some B-W compressor adapters require special mating nuts. For 1/4"-18 thread size for 1/2" O.D. Tubing, use fitting 190716-10-8S with 2807-8 Hose.
For special thread size 1/4"-18, use fitting 190742-10S with 2807-10 Hose.

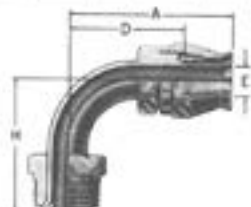
NOTE: Sleeve part number is 900568 (size).

All dimensions in inches.



SAE male inverted flare
45° elbow FC9063-

Dash Size	Thread	Hose Size	A	D	E _o	H
FC9063-						
0505S	1/2-20	-05	2.46	1.94	.23	.56
0506S	1/2-20	-06	2.50	1.97	.21	.56
0606S	1/2-18	-06	2.50	1.97	.28	.56
0808S	1/2-18	-08	2.66	2.04	.38	.93
1010S	1/2-18	-10	2.96	2.29	.47	1.03
1212S	1 1/2-16	-12	3.10	2.44	.59	1.10



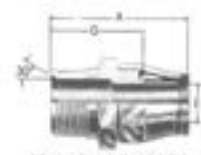
SAE male inverted flare
90° elbow 190950-

Dash Size	Thread	Hose Size	A	D	E _o	H
190950-						
4S	1/4-24	-04	2.04	1.57	.16	1.69
5S	1/2-20	-05	2.08	1.57	.23	1.69
5-8S	1/2-20	-06	2.12	1.60	.21	1.69
6S	1/2-18	-06	2.12	1.60	.28	1.73
8S	1/2-18	-08	2.32	1.69	.38	1.74
10S	1/2-18	-10	2.66	1.99	.47	2.21
12S	1 1/2-16	-12	2.73	2.07	.59	2.35

NOTE: Sleeve part number is 900568 (size).

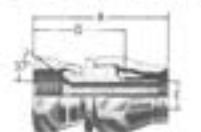
Super Gem Fittings

for use with Teflon Hose
2808



Male pipe 38-190628-

Dash Size	Thread	Hose Size	A	D	E _o
38-190628-					
6-8	1/8-18	-06	1.91	1.32	.35
8-10	1/4-14	-10	2.12	1.55	.44
12-12	1/4-14	-12	2.40	1.63	.56
16-16	1 1/4-11 1/2	-16	2.63	1.86	.83
20-20	1 1/2-11 1/2	-20	3.05	2.09	1.06
24-24	1 3/4-11 1/2	-24	3.16	2.20	1.28



SAE 37° JIC swivel 63-190535-

Dash Size	Thread	Hose Size	A	D	E _o
63-190535-					
8	1/8-16	-08	2.07	1.48	.35
10	1/4-14	-10	2.22	1.64	.44
12	1 1/2-12	-12	2.46	1.70	.56
16	1 1/4-12	-16	2.66	1.90	.83
20	1 1/2-12	-20	3.14	2.19	1.06
24	1 3/4-12	-24	3.38	2.42	1.28

NOTE: Sleeve part number is 900568 (size).

EPHA® Hose Protectors



Part Number	Description
HP4*	4" Hose Protector Case of 50
HP6*	6" Hose Protector Case of 50
HP8*	8" Hose Protector Case of 50
HPM*	Mixed Hose Protectors Case of 60

*Hose protectors available in black, orange or yellow.

Features:

- Extremely high wear factor
- Formulated to resist solvents, oils, grease, gasoline, etc.
- 3 grooves protect cable ties and prevent slipping
- Operating temperature range is -40° to 430°F.
- Exceptionally cost effective
- Easy installation in minutes - no need to remove hose
- Packed in easy to assemble, colorful, counter display box
- Available in 3 sizes - 4", 6" and 8" - cable ties included

Aeroquip Fittings

Split Flanges, Kits, O-Rings

	Part Number	Flange Dash Size	Nominal Flange Size	Flange Head Dia.	A	D	EØ	G	Kit Number
Split Flange Half - SAE J518c Code 61  449-74446 Zinc plated yellow, chromate finish standard series - 2 required	449-74446-08	-08	1/2	1.19	1.59	.34	.34	.50	FF593-(size) Includes: 2 Flange halves (449-74446) 4 Grade 8 Hex bolts (FF9442) 4 Lock Washers (210104) 1 Buna-N O-Ring (FF9446) (Viton kit part number, FF687-size) (EPDM kit part number, FF688-size)
	449-74446-12	-12	3/4	1.50	1.88	.44	.41	.56	
	449-74446-16	-16	1	1.75	2.06	.52	.41	.62	
	449-74446-20	-20	1 1/4	2.00	2.31	.59	.47	.66	
	449-74446-24	-24	1 1/2	2.38	2.75	.70	.53	.62	
	449-74446-32	-32	2	2.81	3.06	.84	.53	.62	
	449-74446-40	-40	2 1/2	3.31	3.50	1.00	.53	.75	
	449-74446-48	-48	3	4.00	4.19	1.22	.66	.88	
Split Flange Half - SAE J518c Code 62  FC3425 Zinc plated yellow, chromate finish, high pressure 6000 psi series - 2 required	FC3425-12-449	-12	1/2	1.63	2.00	.47	.42	.75	FF595-(size) Includes: 2 Flange halves (FC3425) 4 Grade 8 Hex bolts (FF9442) 4 Lock Washers (210104) 1 Buna-N O-Ring (FF9446) (Viton kit part number, FF689-size)
	FC3425-16-449	-16	1	1.88	2.25	.55	.50	.94	
	FC3425-20-449	-20	1 1/4	2.12	2.62	.62	.60	1.06	
	FC3425-24-449	-24	1 1/2	2.50	3.12	.72	.66	1.19	
	FC3425-32-449	-32	2	3.12	3.81	.88	.78	1.44	
Split Flange Half - Equivalent performance to SAE J518c Code 61  FC2713 Powdered metal, zinc plated yellow chromate finish - 2 required	FC2713-16-170	-16	1	1.75	2.06	.52	.41	.70	FF824-(size) Includes: 2 Flange halves (FC2713) 4 Grade 8 Hex bolts (FF9442) 4 Lock Washers (210104) 1 Buna-N O-Ring (FF9446)
	FC2713-20-170	-20	1 1/4	2.00	2.31	.59	.47	.70	
	FC2713-24-170	-24	1 1/2	2.38	2.75	.70	.53	.76	
4 Hole Flange* - SAE J518c Code 61  FC2119 Zinc plated, yellow chromate finish standard series	FC2119-12-449	-12	1/2		1.88	.88	1/4-16		
	FC2119-16-449	-16	1		2.06	1.03	1/4-18		
	FC2119-20-449	-20	1 1/4		2.31	1.19	1/4-14		
	FC2119-24-449	-24	1 1/2		2.75	1.41	1/4-13		
	FC2119-32-449	-32	2		3.06	1.69	1/4-13		
	FC2119-40-449	-40	2 1/2		3.50	2.00	1/4-13		

*Available without threaded holes, consult Aeroquip for part number.

All dimensions in inches.

We Test Hydraulic Hose



Aeroquip Split Flanges, O-Rings

O-Rings for SAE J518 Split Flange Fittings



O-Ring Base Number	Material	Operating Temperature Range
FF9016	80 durometer EPDM	-65°F to +300°F (-55°C to +150°C)
FF9446 (Standard)	90 durometer Buna-N	-40°F to +250°F (-40°C to +121°C)
22046	90 durometer Viton	-15°F to +400°F (-25°C to +205°C)

O-Ring Dash Size Designation	Flange Dash Size	Nominal Flange Size	A	E
210	06	1/8	.734	.139
214	12	1/8	.984	.139
219	16	1	1.296	.139
222	20	1 1/8	1.484	.139
225	24	1 1/8	1.859	.139
228	32	2	2.234	.139
232	40	2 1/8	2.734	.139
237	48	3	3.359	.139

Designating Separate SAE Boss O-Rings

To order Aeroquip O-Rings separately without fittings specify the size and material by using the O-Ring base number and dash size. The charts below offer a simple method to assure the correct O-Ring for your application.

O-Ring Base Number	Material	Operating Temperature Range
22617 (Standard)	90 Durometer Buna-N Nitrile Rubber	-30°F to +250°F (-34°C to +121°C)
22033	EPR Ethylene Propylene Rubber	-65°F to +212°F (-55°C to +100°C)
22068	Viton Fluoroelastomer	-15°F to +400°F (-25°C to +205°C)
22012	Buna-N, Low Temperature Nitrile Rubber	-65°F to +225°F (-55°C to +107°C)



O-Ring Dash Size	Tube Size	A	E
-4	-.04 (1/4)	.351	.072
-6	-.06 (1/8)	.468	.078
-8	-.08 (1/4)	.544	.087
-10	-.10 (1/2)	.735	.097
-12	-.12 (5/8)	.924	.116
-16	-.16 (1)	1.171	.116
-20	-.20 (1 1/4)	1.475	.118
-24	-.24 (1 1/2)	1.720	.118

O-Rings for Bump Tube O-Ring Seal and O-Ring Pilot Fittings



O-Ring Part Number	O-Ring Pilot Dash Size	A	E
22546-11	-06	.301	.07
22546-13	-08	.426	.07
22546-15	-10	.551	.07
22546-17	-12	.676	.07

Material: Chloroprene (Neoprene)
Durometer: 72
Temperature Range: -65°F to +300°F

Designating Separate ORS O-Rings

To order Aeroquip O-Rings separately without fittings specify the size and material by using the O-Ring designator and O-Ring base number. The charts below offer a simple method to assure the correct O-Ring for your application.

ORS O-Ring Base Number	Material	Operating Temperature Range
FF9446 (Standard)	90 Durometer Buna-N Nitrile Rubber	-40°F to +250°F (-40°C to +121°C)
FF9807	EPR Ethylene Propylene Rubber	-65°F to +300°F (-55°C to +150°C)
22046	Viton Fluoroelastomer	-15°F to +400°F (-25°C to +205°C)
FF9855	Buna-N, Low Temperature Nitrile Rubber	-65°F to +225°F (-55°C to +107°C)
22546	Neoprene	-65°F to +300°F (-55°C to +150°C)



O-Ring Size Designation	ORS Tube Size	A	E
-11	-.04	.301	.07
-12	-.06	.364	.07
-14	-.08	.489	.07
-16	-.10	.614	.07
-18	-.12	.739	.07
-21	-.16	.926	.07
-25	-.20	1.176	.07
-29	-.24	1.489	.07

O-Rings for Stäplok Fittings



O-Ring Base Number	Material	Operating Temperature Range
FF9508 (Standard)	90 durometer Buna-N	-40°F to +250°F (-40°C to +121°C)

O-Ring Dash Size Designation	Stäplok Dash Size	A	E
04	04	.236	.079
06	06	.394	.079
08	08	.512	.098
12	12	.748	.098
16	16	.984	.098
20	20	1.299	.098
24	24	1.575	.118
32	32	1.968	.118

Aeroquip Crimp Machines

Pro Crimp 1390



Pro Crimp 1380P



Pro Crimp 1380

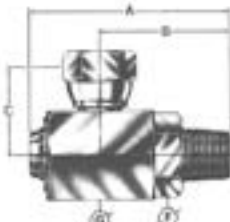
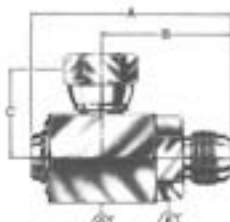
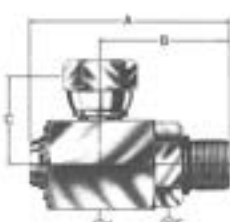
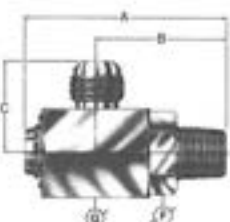
Pro Crimp 1310





Aeroquip Swivel Joints BD5500 Standard Duty Balanced Pressure

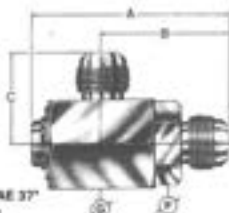
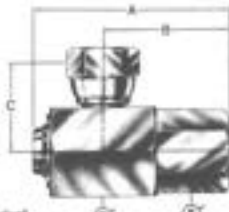
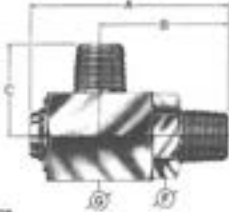
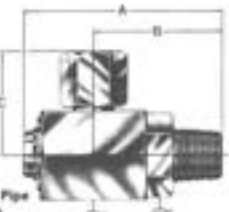
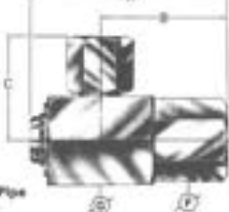
The Aeroquip BD5500 series industrial swivel joint's pressure balanced design distributes pressure evenly through the body of the joint which eliminates axial loading of the sleeve. This pressure balanced design allows the BD5500 series swivel joint to turn with very low torque even under pressures up to 3000 psi.

	Part Number	Nom. Size	Casing Thread	Sleeve Thread	A	B	C	(D)	(E)
 Female Pipe Swivel to Male Pipe	BD5500-0404-01	1/4"	1/8-18NPSM	1/8-18NPTF	2.21	1.47	.91	.62	1.00
	BD5500-0606-01	3/8"	1/8-18NPSM	1/8-18NPTF	2.74	1.80	1.12	.94	1.25
	BD5500-0808-01	1/2"	1/8-14NPSM	1/8-14NPTF	3.09	2.06	1.16	1.00	1.38
	BD5500-1212-01	3/4"	1/8-14NPSM	1/8-14NPTF	3.48	2.36	1.46	1.25	1.75
	BD5500-1616-01	1"	1-11 1/2NPSM	1-11 1/2NPTF	3.94	2.64	1.70	1.50	2.12
	BD5500-2020-01	1 1/4"	1 1/2-11 1/2NPSM	1 1/2-11 1/2NPTF	4.88	3.16	2.00	1.75	2.50
	BD5500-2424-01	1 1/2"	1 1/2-11 1/2NPSM	1 1/2-11 1/2NPTF	5.30	3.50	2.25	2.12	3.00
 Female Pipe Swivel to Male SAE 37"	BD5500-0404-01	1/4"	1/8-18NPSM	1/8-20UNF-2A	2.37	1.60	.91	.62	1.00
	BD5500-0405-01	1/4"	1/8-18NPSM	1/8-20UNF-2A	2.21	1.47	.91	.62	1.00
	BD5500-0606-01	3/8"	1/8-18NPSM	1/8-18UNF-2A	2.82	1.85	1.12	.94	1.25
	BD5500-0608-01	3/8"	1/8-18NPSM	1/8-16UNF-2A	2.83	1.89	1.12	.94	1.25
	BD5500-0808-01	1/2"	1/8-14NPSM	1/8-16UNF-2A	3.09	2.03	1.16	1.00	1.38
	BD5500-0810-01	1/2"	1/8-14NPSM	1/8-14UNF-2A	3.10	2.07	1.16	1.00	1.38
	BD5500-1212-01	3/4"	1/8-14NPSM	1 1/8-12UN-2A	3.48	2.36	1.46	1.25	1.75
	BD5500-1616-01	1"	1-11 1/2NPSM	1 1/8-12UN-2A	3.94	2.64	1.70	1.50	2.12
	BD5500-2020-01	1 1/4"	1 1/2-11 1/2NPSM	1 1/8-12UN-2A	4.88	3.16	2.00	1.75	2.50
	BD5500-2424-01	1 1/2"	1 1/2-11 1/2NPSM	1 1/8-12UN-2A	5.30	3.50	2.25	2.12	3.00
 Female Pipe Swivel to Male SAE O-Ring	BD5500-0404-01	1/4"	1/8-18NPSM	1/8-20UNF-2A	2.17	1.41	.91	.62	1.00
	BD5500-0405-01	1/4"	1/8-18NPSM	1/8-20UNF-2A	2.07	1.34	.91	.62	1.00
	BD5500-0606-01	3/8"	1/8-18NPSM	1/8-18UNF-2A	2.65	1.68	1.12	.94	1.25
	BD5500-0608-01	3/8"	1/8-18NPSM	1/8-16UNF-2A	2.70	1.76	1.12	.94	1.25
	BD5500-0808-01	1/2"	1/8-14NPSM	1/8-16UNF-2A	2.84	1.81	1.16	1.00	1.38
	BD5500-0810-01	1/2"	1/8-14NPSM	1/8-14UNF-2A	2.92	1.90	1.16	1.00	1.38
	BD5500-1212-01	3/4"	1/8-14NPSM	1 1/8-12UN-2A	3.29	2.18	1.46	1.25	1.75
	BD5500-1616-01	1"	1-11 1/2NPSM	1 1/8-12UN-2A	3.74	2.45	1.70	1.50	2.12
	BD5500-2020-01	1 1/4"	1 1/2-11 1/2NPSM	1 1/8-12UN-2A	4.60	2.89	2.00	1.88	2.50
	BD5500-2424-01	1 1/2"	1 1/2-11 1/2NPSM	1 1/8-12UN-2A	5.06	3.27	2.25	2.12	3.00
 Male SAE 37" to Male Pipe	BD5500-0404-01	1/4"	1/8-20UNF-2A	1/8-18NPTF	2.21	1.47	1.06	.62	1.00
	BD5500-0504-01	1/4"	1/8-20UNF-2A	1/8-18NPTF	2.21	1.47	1.06	.62	1.00
	BD5500-0606-01	3/8"	1/8-18UNF-2A	1/8-18NPTF	2.74	1.80	1.19	.94	1.25
	BD5500-0806-01	1/2"	1/8-16UNF-2A	1/8-18NPTF	2.74	1.80	1.28	.94	1.25
	BD5500-0808-01	1/2"	1/8-16UNF-2A	1/8-14NPTF	3.09	2.06	1.39	1.00	1.38
	BD5500-1008-01	1/2"	1/8-14UNF-2A	1/8-14NPTF	3.09	2.06	1.47	1.00	1.38
	BD5500-1212-01	3/4"	1 1/8-12UN-2A	1/8-14NPTF	3.48	2.36	1.74	1.25	1.75
	BD5500-1616-01	1"	1 1/8-12UN-2A	1-11 1/2NPTF	3.94	2.64	1.97	1.50	2.12
	BD5500-2020-01	1 1/4"	1 1/8-12UN-2A	1 1/8-11 1/2NPTF	4.88	3.16	2.20	1.75	2.50
	BD5500-2424-01	1 1/2"	1 1/8-12UN-2A	1 1/8-11 1/2NPTF	5.30	3.50	2.57	2.12	3.00

All dimensions in inches



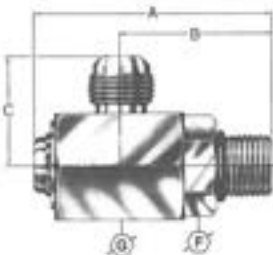
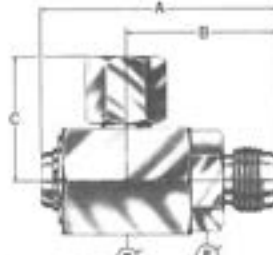
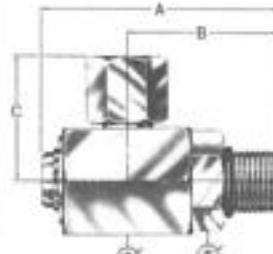
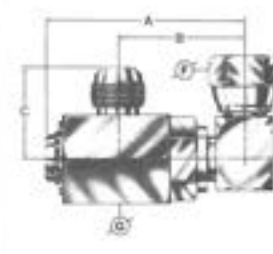
Aeroquip Swivel Joints BD5500 Standard Duty Balanced Pressure

	Part Number	Nom. Size	Casing Thread	Sleeve Thread	A	B	C	(P)	(G)
 Male SAE 37° to Male SAE 37°	BD55009-0404-01	1/4"	1/8-20UNF-2A	1/8-20UNF-2A	2.37	1.60	1.06	.62	1.00
	BD55009-0505-01	1/4"	1/8-20UNF-2A	1/8-20UNF-2A	2.21	1.47	1.06	.62	1.00
	BD55009-0606-01	1/4"	1/8-18UNF-2A	1/8-18UNF-2A	2.82	1.85	1.19	.94	1.25
	BD55009-0808-01	1/4"	1/8-16UNF-2A	1/8-16UNF-2A	2.83	1.89	1.28	.94	1.25
	BD55009-1010-01	1/4"	1/8-14UNF-2A	1/8-14UNF-2A	3.10	2.07	1.47	1.00	1.38
	BD55009-1212-01	1/4"	1/8-12UN-2A	1/8-12UN-2A	3.48	2.36	1.74	1.25	1.75
	BD55009-1616-01	1"	1/8-12UN-2A	1/8-12UN-2A	3.94	2.64	1.97	1.50	2.12
	BD55009-2020-01	1 1/4"	1/8-12UN-2A	1/8-12UN-2A	4.88	3.16	2.20	1.75	2.50
 Female Pipe Swivel to Female Pipe	BD55011-0404-01	1/4"	1/8-18NPSM	1/8-18NPTF	2.14	1.40	.91	.75	1.00
	BD55011-0606-01	1/4"	1/8-18NPSM	1/8-18NPTF	2.54	1.60	1.12	.94	1.25
	BD55011-0808-01	1/4"	1/8-14NPSM	1/8-14NPTF	2.97	1.94	1.16	1.06	1.38
	BD55011-1212-01	1/4"	1/8-14NPSM	1/8-14NPTF	3.12	2.00	1.46	1.31	1.75
	BD55011-1616-01	1"	1-11 1/2NPSM	1-11 1/2NPTF	3.68	2.38	1.70	1.62	2.12
	BD55011-2020-01	1 1/4"	1 1/8-11 1/2NPSM	1 1/8-11 1/2NPTF	4.50	2.78	2.00	2.00	2.50
	BD55011-2424-01	1 1/2"	1 1/8-11 1/2NPSM	1 1/8-11 1/2NPTF	4.62	2.82	2.25	2.38	3.00
 Male Pipe to Male Pipe	BD55012-0404-01	1/4"	1/8-18NPTF	1/8-18NPTF	2.21	1.47	1.06	.62	1.00
	BD55012-0606-01	1/4"	1/8-18NPTF	1/8-18NPTF	2.74	1.80	1.28	.94	1.25
	BD55012-0808-01	1/4"	1/8-14NPTF	1/8-14NPTF	3.09	2.06	1.42	1.00	1.38
	BD55012-1212-01	1/4"	1/8-14NPTF	1/8-14NPTF	3.48	2.36	1.71	1.25	1.75
	BD55012-1616-01	1"	1-11 1/2NPTF	1-11 1/2NPTF	3.94	2.64	1.98	1.50	2.12
	BD55012-2020-01	1 1/4"	1 1/8-11 1/2NPTF	1 1/8-11 1/2NPTF	4.88	3.16	2.27	1.75	2.50
	BD55012-2424-01	1 1/2"	1 1/8-11 1/2NPTF	1 1/8-11 1/2NPTF	5.30	3.50	2.54	2.12	3.00
 Female Pipe Fixed to Male Pipe	BD55014-0404-01	1/4"	1/8-18NPTF	1/8-18NPTF	2.21	1.47	1.44	.62	1.00
	BD55014-0606-01	1/4"	1/8-18NPTF	1/8-18NPTF	2.74	1.80	1.49	.94	1.25
	BD55014-0808-01	1/4"	1/8-14NPTF	1/8-14NPTF	3.09	2.06	1.80	1.00	1.38
	BD55014-1212-01	1/4"	1/8-14NPTF	1/8-14NPTF	3.48	2.36	2.02	1.25	1.75
	BD55014-1616-01	1"	1-11 1/2NPTF	1-11 1/2NPTF	3.94	2.64	2.44	1.50	2.12
	BD55014-2020-01	1 1/4"	1 1/8-11 1/2NPTF	1 1/8-11 1/2NPTF	4.88	3.16	2.77	1.75	2.50
	BD55014-2424-01	1 1/2"	1 1/8-11 1/2NPTF	1 1/8-11 1/2NPTF	5.30	3.50	3.02	2.12	3.00
 Female Pipe Fixed to Female Pipe	BD55015-0404-01	1/4"	1/8-18NPTF	1/8-18NPTF	2.14	1.40	1.44	.75	1.00
	BD55015-0606-01	1/4"	1/8-18NPTF	1/8-18NPTF	2.54	1.60	1.49	.94	1.25
	BD55015-0808-01	1/4"	1/8-14NPTF	1/8-14NPTF	2.97	1.94	1.80	1.06	1.38
	BD55015-1212-01	1/4"	1/8-14NPTF	1/8-14NPTF	3.12	2.00	2.02	1.31	1.75
	BD55015-1616-01	1"	1-11 1/2NPTF	1-11 1/2NPTF	3.68	2.38	2.44	1.62	2.12
	BD55015-2020-01	1 1/4"	1 1/8-11 1/2NPTF	1 1/8-11 1/2NPTF	4.50	2.78	2.77	2.00	2.50
	BD55015-2424-01	1 1/2"	1 1/8-11 1/2NPTF	1 1/8-11 1/2NPTF	4.62	2.82	3.02	2.38	3.00

All dimensions in inches.



Aeroquip Swivel Joints BD5500 Standard Duty Balanced Pressure

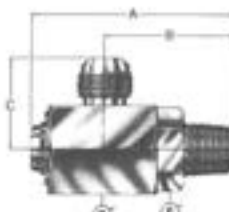
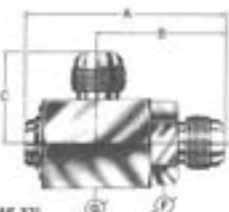
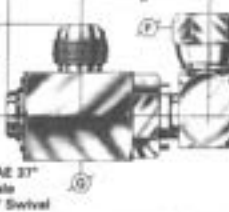
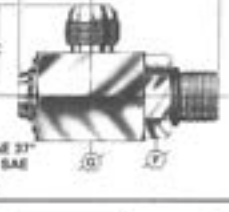
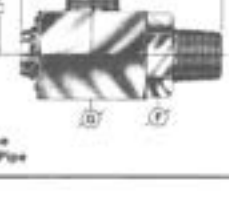
	Part Number	Nom. Size	Casing Thread	Sleeve Thread	A	B	C	(F)	(G)
 Male SAE 37° to Male SAE O-Ring	BD55021-0404-01	1/4"	1/8-20UNF-2A	1/8-20UNF-2A	2.17	1.41	1.06	.62	1.00
	BD55021-0505-01	1/4"	1/8-20UNF-2A	1/8-20UNF-2A	2.07	1.34	1.06	.62	1.00
	BD55021-0606-01	1/4"	1/8-18UNF-2A	1/8-18UNF-2A	2.65	1.68	1.19	.94	1.25
	BD55021-0808-01	1/2"	1/4-16UNF-2A	1/4-16UNF-2A	2.70	1.76	1.28	.94	1.25
	BD55021-1010-01	1/2"	1/4-14UNF-2A	1/4-14UNF-2A	2.92	1.90	1.47	1.00	1.38
	BD55021-1212-01	3/4"	1/2-12UN-2A	1/2-12UNF-2A	3.29	2.18	1.74	1.25	1.75
	BD55021-1616-01	1"	1/2-12UN-2A	1/2-12UNF-2A	3.74	2.45	1.97	1.50	2.12
	BD55021-2020-01	1 1/4"	1/2-12UN-2A	1/2-12UNF-2A	4.60	2.89	2.20	1.88	2.50
	BD55021-2424-01	1 1/2"	1/2-12UN-2A	1/2-12UNF-2A	5.06	3.27	2.57	2.12	3.00
 Female Pipe Fixed to Male SAE 37°	BD55029-0404-01	1/4"	1/8-18NPTF	1/8-20UNF-2A	2.37	1.60	1.44	.62	1.00
	BD55029-0405-01	1/4"	1/8-18NPTF	1/8-20UNF-2A	2.21	1.47	1.44	.62	1.00
	BD55029-0606-01	1/4"	1/8-18NPTF	1/8-18UNF-2A	2.82	1.85	1.49	.94	1.25
	BD55029-0608-01	1/4"	1/8-18NPTF	1/8-16UNF-2A	2.83	1.89	1.49	.94	1.25
	BD55029-0808-01	1/2"	1/4-14NPTF	1/4-16UNF-2A	3.09	2.03	1.80	1.00	1.38
	BD55029-0810-01	1/2"	1/4-14NPTF	1/4-14UNF-2A	3.10	2.07	1.80	1.00	1.38
	BD55029-1212-01	3/4"	1/2-14NPTF	1/2-12UN-2A	3.48	2.36	2.02	1.25	1.75
	BD55029-1616-01	1"	1-11 1/2NPTF	1/2-12UN-2A	3.94	2.64	2.44	1.50	2.12
	BD55029-2020-01	1 1/4"	1 1/2-11 1/2NPTF	1/2-12UN-2A	4.88	3.16	2.77	1.75	2.50
	BD55029-2424-01	1 1/2"	1 1/2-11 1/2NPTF	1/2-12UN-2A	5.30	3.50	3.02	2.12	3.00
 Female Pipe Fixed to Male SAE O-Ring	BD55031-0404-01	1/4"	1/8-18NPTF	1/8-20UNF-2A	2.17	1.41	1.44	.62	1.00
	BD55031-0405-01	1/4"	1/8-18NPTF	1/8-20UNF-2A	2.07	1.34	1.44	.62	1.00
	BD55031-0606-01	1/4"	1/8-18NPTF	1/8-18UNF-2A	2.65	1.68	1.49	.94	1.25
	BD55031-0608-01	1/4"	1/8-18NPTF	1/8-16UNF-2A	2.70	1.76	1.49	.94	1.25
	BD55031-0808-01	1/2"	1/4-14NPTF	1/4-16UNF-2A	2.84	1.81	1.80	1.00	1.38
	BD55031-0810-01	1/2"	1/4-14NPTF	1/4-14UNF-2A	2.92	1.90	1.80	1.00	1.38
	BD55031-1212-01	3/4"	1/2-14NPTF	1/2-12UN-2A	3.29	2.18	2.02	1.25	1.75
	BD55031-1616-01	1"	1-11 1/2NPTF	1/2-12UN-2A	3.74	2.45	2.44	1.50	2.12
	BD55031-2020-01	1 1/4"	1 1/2-11 1/2NPTF	1/2-12UN-2A	4.60	2.89	2.77	1.88	2.50
	BD55031-2424-01	1 1/2"	1 1/2-11 1/2NPTF	1/2-12UN-2A	5.06	3.27	3.02	2.12	3.00
 Male SAE 37° to Female SAE 37° Swivel	BD55058-1616-01	1"	1 1/2-12UN-2A	1 1/2-12UN-2B	3.56	2.26	1.97	1.50	2.12

All dimensions in inches.



Aeroquip Swivel Joints FS5500 Heavy Duty Balanced Pressure

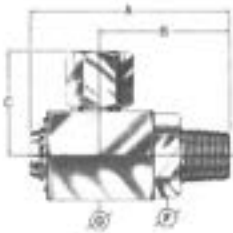
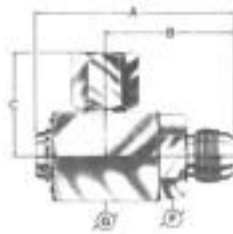
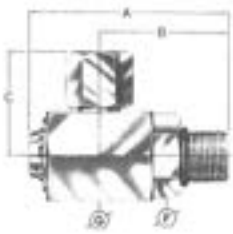
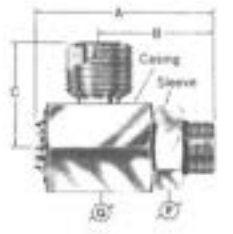
The Aeroquip FS5500 series swivel joint is a heavy duty version of the 8D5500 series. The FS5500 series has a special hardened casing and heavy duty U-Cup seals which permit a pressure range from vacuum up to 4,000 psi. The balanced pressure design allows the FS5500 series swivel joint to rotate with low torque even when exposed to maximum pressures and side loads.

	Part Number	Nom. Size	Casing Thread	Sleeve Thread	A	B	C	(F)	(G)
 Male SAE 37° to Male Pipe	FS55005-0404-01	1/4"	1/8-20UNF-2A	1/8-18NPTF	2.21	1.47	1.06	.62	1.00
	FS55005-0504-01	1/4"	1/8-20UNF-2A	1/8-18NPTF	2.21	1.47	1.06	.62	1.00
	FS55005-0606-01	1/2"	1/4-18UNF-2A	1/4-18NPTF	2.74	1.80	1.19	.94	1.25
	FS55005-0806-01	1/2"	1/4-16UNF-2A	1/4-18NPTF	2.74	1.80	1.28	.94	1.25
	FS55005-0808-75	1/2"	1/4-16UNF-2A	1/4-14NPTF	3.09	2.06	1.39	1.00	1.38
	FS55005-1212-75	1/2"	1/2-12UN-2A	1/2-14NPTF	3.48	2.36	1.74	1.25	1.75
	FS55005-1616-75	1"	1/2-12UN-2A	1-11 1/2NPTF	3.94	2.64	1.97	1.50	2.12
	FS55005-2020-75	1 1/4"	1/2-12UN-2A	1 1/2-11 1/2NPTF	4.88	3.16	2.20	1.75	2.50
	FS55005-2424-75	1 1/2"	1/2-12UN-2A	1 1/2-11 1/2NPTF	5.30	3.50	2.57	2.12	3.00
 Male SAE 37° to Male SAE 37°	FS55009-0404-01	1/4"	1/8-20UNF-2A	1/8-20UNF-2A	2.37	1.60	1.06	.62	1.00
	FS55009-0505-01	1/4"	1/8-20UNF-2A	1/8-20UNF-2A	2.21	1.47	1.06	.62	1.00
	FS55009-0606-01	1/2"	1/4-18UNF-2A	1/4-18UNF-2A	2.82	1.85	1.19	.94	1.25
	FS55009-0808-01	1/2"	1/4-16UNF-2A	1/4-16UNF-2A	2.83	1.89	1.28	.94	1.25
	FS55009-1010-75	1/2"	1/4-14UNF-2A	1/4-14UNF-2A	3.10	2.07	1.47	1.00	1.38
	FS55009-1212-75	1/2"	1/2-12UN-2A	1/2-12UN-2A	3.48	2.36	1.74	1.25	1.75
	FS55009-1616-75	1"	1/2-12UN-2A	1/2-12UN-2A	3.94	2.64	1.97	1.50	2.12
	FS55009-2020-75	1 1/4"	1/2-12UN-2A	1 1/2-12UN-2A	4.88	3.16	2.20	1.75	2.50
	FS55009-2424-75	1 1/2"	1/2-12UN-2A	1 1/2-12UN-2A	5.30	3.50	2.57	2.12	3.00
 Male SAE 37° to Female SAE 37° Swivel	FS55058-1616-75	1"	1/2-12UN-2A	1 1/2-12UN-2B	3.56	2.26	1.97	1.50	2.12
 Male SAE 37° to Male SAE O-Ring	FS55021-0404-01	1/4"	1/8-20UNF-2A	1/8-20UNF-2A	2.17	1.41	1.06	.62	1.00
	FS55021-0505-01	1/4"	1/8-20UNF-2A	1/8-20UNF-2A	2.07	1.34	1.06	.62	1.00
	FS55021-0606-01	1/2"	1/4-18UNF-2A	1/4-18UNF-2A	2.65	1.68	1.19	.94	1.25
	FS55021-0808-01	1/2"	1/4-16UNF-2A	1/4-16UNF-2A	2.70	1.76	1.28	.94	1.25
	FS55021-1010-75	1/2"	1/4-14UNF-2A	1/4-14UNF-2A	2.92	1.90	1.47	1.00	1.38
	FS55021-1212-75	1/2"	1/2-12UN-2A	1/2-12UN-2A	3.29	2.18	1.74	1.25	1.75
	FS55021-1616-75	1"	1/2-12UN-2A	1/2-12UN-2A	3.74	2.45	1.97	1.50	2.12
	FS55021-2020-75	1 1/4"	1/2-12UN-2A	1 1/2-12UN-2A	4.60	2.89	2.20	1.88	2.50
	FS55021-2424-75	1 1/2"	1/2-12UN-2A	1 1/2-12UN-2A	5.06	3.27	2.57	2.12	3.00
 Male Pipe to Male Pipe	FS55012-0404-01	1/4"	1/8-18NPTF	1/8-18NPTF	2.21	1.47	1.06	.62	1.00
	FS55012-0606-01	1/2"	1/4-18NPTF	1/4-18NPTF	2.74	1.80	1.28	.94	1.25
	FS55012-0808-75	1/2"	1/4-14NPTF	1/4-14NPTF	3.09	2.06	1.42	1.00	1.38
	FS55012-1212-75	1/2"	1/2-14NPTF	1/2-14NPTF	3.48	2.36	1.71	1.25	1.75
	FS55012-1616-75	1"	1-11 1/2NPTF	1-11 1/2NPTF	3.94	2.64	1.98	1.50	2.12
	FS55012-2020-75	1 1/4"	1 1/2-11 1/2NPTF	1 1/2-11 1/2NPTF	4.88	3.16	2.27	1.75	2.50
	FS55012-2424-75	1 1/2"	1 1/2-11 1/2NPTF	1 1/2-11 1/2NPTF	5.30	3.50	2.54	2.12	3.00

All dimensions in inches.

Aeroquip Swivel Joints

FS5500 Heavy Duty Balanced Pressure

	Part Number	Nom. Size	Casing Thread	Sleeve Thread	A	B	C	(F)	(G)
 Female Pipe Fixed to Male Pipe	FS55014-0404-01	1/4"	1/8-18NPTF	1/8-18NPTF	2.21	1.47	1.44	.62	1.00
	FS55014-0606-01	3/8"	1/8-18NPTF	1/8-18NPTF	2.74	1.80	1.49	.94	1.25
	FS55014-0808-75	1/2"	1/8-14NPTF	1/8-14NPTF	3.09	2.06	1.80	1.00	1.38
	FS55014-1212-75	3/4"	1/8-14NPTF	1/8-14NPTF	3.48	2.36	2.02	1.25	1.75
	FS55014-1616-75	1"	1-11 1/2NPTF	1-11 1/2NPTF	3.94	2.64	2.44	1.50	2.12
	FS55014-2020-75	1 1/4"	1 1/8-11 1/2NPTF	1 1/8-11 1/2NPTF	4.88	3.16	2.77	1.75	2.50
	FS55014-2424-75	1 1/2"	1 1/8-11 1/2NPTF	1 1/8-11 1/2NPTF	5.30	3.50	3.02	2.12	3.00
 Female Pipe Fixed to Male SAE 37°	FS55029-0404-01	1/4"	1/8-18NPTF	1/8-20UNF-2A	2.37	1.60	1.44	.62	1.00
	FS55029-0405-01	1/4"	1/8-18NPTF	1/8-20UNF-2A	2.21	1.47	1.44	.62	1.00
	FS55029-0606-01	3/8"	1/8-18NPTF	1/8-18UNF-2A	2.82	1.85	1.49	.94	1.25
	FS55029-0608-01	1/2"	1/8-18NPTF	1/8-16UNF-2A	2.83	1.89	1.49	.94	1.25
	FS55029-0810-75	1/2"	1/8-14NPTF	1/8-16UNF-2A	3.09	2.03	1.80	1.00	1.38
	FS55029-0810-75	1/2"	1/8-14NPTF	1/8-14UNF-2A	3.10	2.07	1.80	1.00	1.38
	FS55029-1212-75	3/4"	1/8-14NPTF	1 1/8-12UN-2A	3.48	2.36	2.02	1.25	1.75
	FS55029-1616-75	1"	1-11 1/2NPTF	1 1/8-12UN-2A	3.94	2.64	2.44	1.50	2.12
	FS55029-2020-75	1 1/4"	1 1/8-11 1/2NPTF	1 1/8-12UN-2A	4.88	3.16	2.77	1.75	2.50
	FS55029-2424-75	1 1/2"	1 1/8-11 1/2NPTF	1 1/8-12UN-2A	5.30	3.50	3.02	2.12	3.00
 Female Pipe Fixed to Male SAE O-Ring	FS55031-0404-01	1/4"	1/8-18NPTF	1/8-20UNF-2A	2.17	1.41	1.44	.62	1.00
	FS55031-0405-01	1/4"	1/8-18NPTF	1/8-20UNF-2A	2.07	1.34	1.44	.62	1.00
	FS55031-0606-01	3/8"	1/8-18NPTF	1/8-18UNF-2A	2.65	1.68	1.49	.94	1.25
	FS55031-0608-01	1/2"	1/8-18NPTF	1/8-16UNF-2A	2.70	1.76	1.49	.94	1.25
	FS55031-0808-75	1/2"	1/8-14NPTF	1/8-16UNF-2A	2.84	1.81	1.80	1.00	1.38
	FS55031-0810-75	1/2"	1/8-14NPTF	1/8-14UNF-2A	2.92	1.90	1.80	1.00	1.38
	FS55031-1212-75	3/4"	1/8-14NPTF	1 1/8-12UN-2A	3.29	2.18	2.02	1.25	1.75
	FS55031-1616-75	1"	1-11 1/2NPTF	1 1/8-12UN-2A	3.74	2.45	2.44	1.50	2.12
	FS55031-2020-75	1 1/4"	1 1/8-11 1/2NPTF	1 1/8-12UN-2A	4.60	2.89	2.77	1.88	2.50
	FS55031-2424-75	1 1/2"	1 1/8-11 1/2NPTF	1 1/8-12UN-2A	5.06	3.27	3.02	2.12	3.00
 ORS® Male to Male SAE O-Ring	FS55059-1212-75	3/4"	1 1/8-12UN-2A	1 1/8-12UN-2A	3.29	2.18	1.54	1.25	1.75

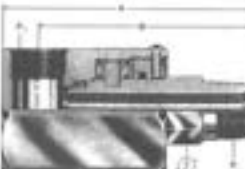
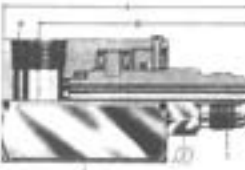
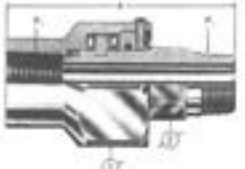
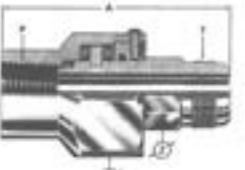
All dimensions in inches.

Aeroquip Swivel Joints FS5900 Heavy Duty Full Flow

The Aeroquip FS5900 series swivel joint is designed for 25 in./Hg vacuum to 5000 psi operating pressure service made possible by advanced design needle bearings and seals. In addition to high pressures the FS5900 series provides full fluid flow with minimal pressure drop.

The excellent corrosion resistance of the FS5900 series is made possible by the plated steel components.

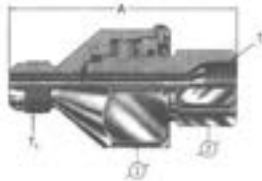
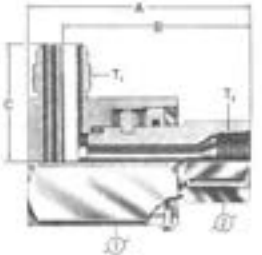
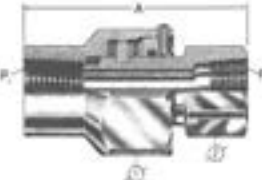
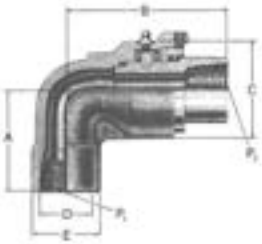
Both field and laboratory testing have proven the FS5900 series swivel joints can withstand greater side loads than conventional swivel joints. High pressure impulse life has also been improved.

	Part Number	Nom. Size	Thread P ₁	Thread P ₂	A	B	①	②
 Female Pipe to Male Pipe	FS59002-0404-01	1/4"	1/4-18	1/4-18	3.20	2.82	1.19	.56
	FS59002-0606-75	3/8"	3/8-18	3/8-18	3.67	3.21	1.88	.94
	FS59002-0808-75	1/2"	1/2-14	1/2-14	4.01	3.45	1.88	.94
	FS59002-1212-75	3/4"	3/4-14	3/4-14	4.32	3.64	2.12	1.19
	FS59002-1616-75	1"	1-11 1/2	1-11 1/2	4.88	4.08	2.50	1.44
 Female Pipe to Male SAE 37°			P	T				
	FS59003-0405-01	1/4"	1/4-18	1/2-20	3.19	2.81	1.19	.56
	FS59003-0608-75	3/8"	3/8-18	3/4-16	3.77	3.31	1.88	.94
	FS59003-0810-75	1/2"	1/2-14	7/8-14	4.00	3.44	1.88	.94
	FS59003-1212-75	3/4"	3/4-14	1 1/4-12	4.43	3.75	2.12	1.19
	FS59003-1616-75	1"	1-11 1/2	1 1/2-12	4.85	4.05	2.50	1.44
 Female Pipe to Male Pipe			P ₁	P ₂				
	FS59004-0404-01	1/4"	1/4-18	1/4-18	3.23		1.19	.56
	FS59004-0606-75	3/8"	3/8-18	3/8-18	3.62		1.88	.94
	FS59004-0808-75	1/2"	1/2-14	1/2-14	3.97		1.88	.94
	FS59004-1212-75	3/4"	3/4-14	3/4-14	4.04		2.12	1.19
	FS59004-1616-75	1"	1-11 1/2	1-11 1/2	4.57		2.50	1.44
 Female Pipe to Male SAE 37°			P	T				
	FS59005-0405-01	1/4"	1/4-18	1/2-20	3.22		1.19	.56
	FS59005-0608-75	3/8"	3/8-18	3/4-16	3.72		1.88	.94
	FS59005-0810-75	1/2"	1/2-14	7/8-14	3.96		1.88	.94
	FS59005-1212-75	3/4"	3/4-14	1 1/4-12	4.15		2.12	1.19
	FS59005-1616-75	1"	1-11 1/2	1 1/2-12	4.54		2.50	1.44

All dimensions in inches

All FS5900 Series Swivel Joints are available from stock.

Aeroquip Swivel Joints FS5900 Heavy Duty Full Flow

	Part Number	Nom. Size	Thread T ₁	Thread T ₂	A	B	C	①	②
 Male SAE 37 to Female SAE 37	FS59005-0505-01	1/8"	1/2-20	1/2-20	2.98			1.19	.62
	FS59005-0808-75	3/8"	1/2-16	1/2-16	3.48			1.88	.94
	FS59005-1010-75	1/2"	1/2-14	1/2-14	3.74			1.88	1.00
	FS59005-1212-75	3/4"	1 1/8-12	1 1/8-12	3.88			2.12	1.25
	FS59005-1616-75	1"	1 1/8-12	1 1/8-12	4.03			2.50	1.50
 Male SAE 37 to Female SAE 37			T ₁	T ₂					
	FS59011-0505-01	1/8"	1/2-20	1/2-20	2.69	2.41	1.16	1.19	.62
	FS59011-0808-75	3/8"	1/2-16	1/2-16	3.08	2.73	1.59	1.88	.94
	FS59011-1010-75	1/2"	1/2-14	1/2-14	3.46	3.06	1.70	1.88	1.00
	FS59011-1212-75	3/4"	1 1/8-12	1 1/8-12	3.58	3.08	1.93	2.12	1.25
	FS59011-1616-75	1"	1 1/8-12	1 1/8-12	3.91	3.29	2.16	2.50	1.50
 (Straight) Female Pipe to Female Pipe			P ₁	P ₂					
	FS59001-1616-75	1"	1-11 1/2	1-11 1/2	4.31			2.50	1.62
 Female Pipe to Female Pipe *1000 psi operating pressure			P ₁	P ₂	A	B	C	D	E
	FS59000-1616-01*	1"	1-11 1/2	1-11 1/2	2.50	3.87	2.41	1.62	1.91

All dimensions in inches.

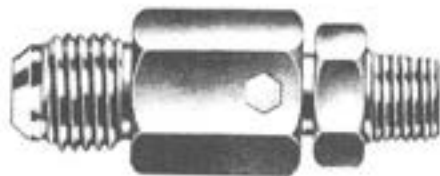
All FS5900 Series Swivel Joints are available from stock.



Series SSP Fluid Conducting Swivel Joints

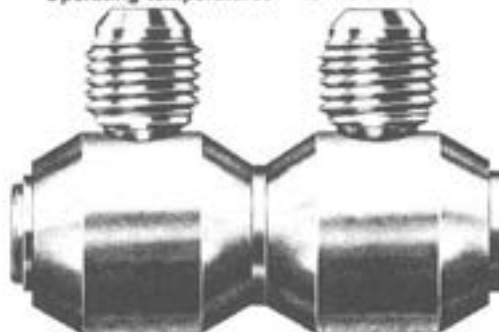
"S" Series/In-Line Swivel Joint

Sizes - 1/4" through 2" pipe size
Connection types - JIC, pipe, SAE O-Ring face seal (male & female)
Operating pressures - vacuum & to 3,000 PSI
Operating temperatures - 40° to 200° F



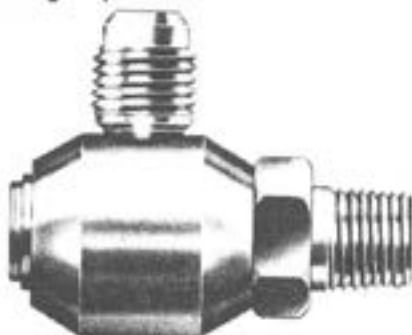
"18S" Series/180° Swivel Joint

Sizes - 1/4" through 2" pipe size
Connection types - JIC (male), pipe & SAE O-Ring face seal (male & female) & pipe union
Operating pressures - vacuum & to 3,000 PSI
Operating temperatures - 40° to 200° F



"9S" Series/90° Swivel Joint

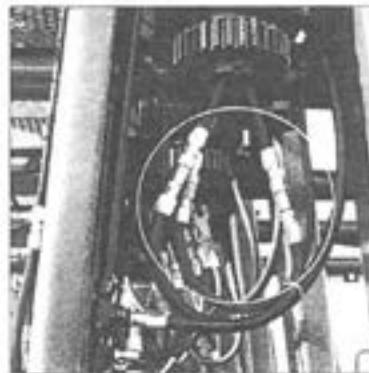
Sizes - 1/4" through 2" pipe size
Connection types - JIC & O-Ring (male), pipe and SAE O-Ring face seal (male & female) & pipe union
Operating pressures - vacuum & to 3,000 PSI
Operating temperatures - 40° to 200° F



TYPICAL INSTALLATIONS



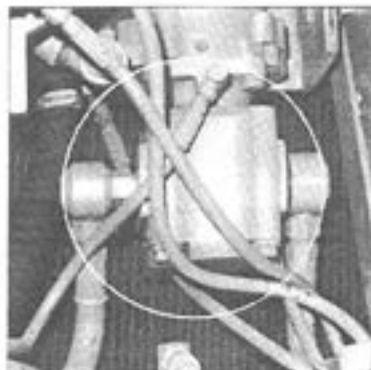
Earth boring auger on utility truck compensates movement in all planes by using "9SS" Series swivel.



Log loader utilizes limited boom rotation and "S" Series swivel on hoses through spindle.

"9SS" Series/Dual Plane Swivel Joint

Sizes - 1/4" through 1-1/4" pipe size
Connection types - JIC & O-Ring (male), pipe & SAE O-Ring face seal (male & female)
Operating pressures - vacuum & to 3,000 PSI
Operating temperatures - 40° to 200° F



Coal mining equipment manufacturer extends hose life with "9S" Series swivels allowing hose to take natural form for flexing.

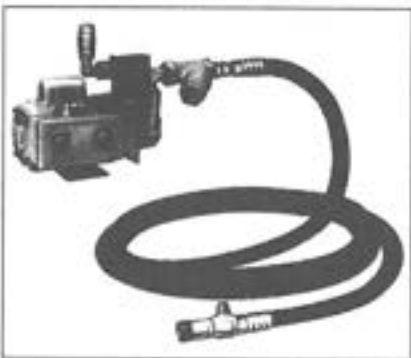
**LEAKS, BENDS & FLEX PROBLEMS?
WE HAVE
A LARGE STOCK OF
HOSES, COUPLINGS,
CONNECTORS
AND
A SPECIALIST
TO HELP YOU**

Aeroquip FLOCS Fast Oil Change System

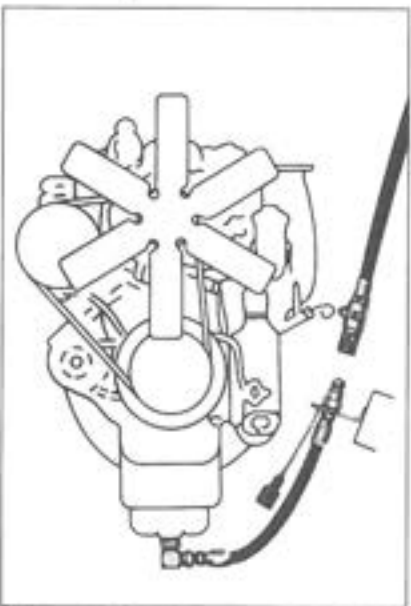
FLOCS™ Fast Oil Change System



Aeroquip FLOCS 30A (PN FF9330A-01) is an air-powered unit.



Aeroquip FLOCS 15 (PN FF9315-01) is an electric-powered unit.



Once your fleet has been equipped with FLOCS Conversion Kits, the FLOCS System can be used to change oil in a matter of minutes per vehicle.

Features

- Fast and simple
- Fully automatic system
- Vehicle conversion kit
- Two models—air or electric
- Aeroquip coupling
- User friendly
- Sealed oil system

Benefits

- Saves on valuable maintenance time and major equipment costs.
- Oil spills are eliminated; no costly cleanup.
- Eliminates lost, damaged or cross threaded drain plugs; reduces replacement costs.
- Oil remains free of dust and dirt, reducing costly engine wear and overhauls due to contamination.
- Does not require adjustments, reduces labor costs substantially.
- Adapts to any situation, reducing time, labor, and equipment costs.
- Serviceman satisfaction is high, saves on labor costs.
- Minimizes health risks due to handling used oil.

Fast, Efficient & Clean

When a FLOCS Evacuation Unit is used in conjunction with one of several dispensing systems on the market, it substantially lowers the time required for oil changes. Since oil is contained at all times, there is minimal chance of transient dirt or dust getting in your oil and engine during oil change. A cleaner engine means less wear and fewer overhauls.

Versatile and Effective

The Aeroquip FLOCS 30A oil evacuation unit is a versatile, air-powered unit designed to be used where an air source is available and electrical units may present a fire hazard. The unit can be adapted for use either on a lube truck or in a maintenance bay.

FLOCS units can be used with equal effectiveness on vehicles with small, medium and large oil pan capacities.

Aeroquip Industry Application Symbols

Industry symbols are provided for each coupling indicating where it is typically used. But remember, a coupling can be used in any industry, provided it meets the established application requirements.

Marine and Defense



FD15, FD35,
FD45 (stainless),
FD45 (brass),
5100, 5400, 5600,
FD69, FD83,
FD86, FD90

Agriculture



FD42, FD48, 5400,
5600, FD70, FD71,
FD72, FD76, FD90

Electronic Cooling



FD45 (stainless),
FD45 (brass), 5100,
5400, FD83,
DryConnect

Pharmaceutical/Medical



FD15, FD45 (brass),
FD45 (stainless),
5400, FD83,
DryConnect

Chemical Processing



FD45, FD49, 5100,
5400, FD83,
DryConnect

Food & Beverage



FD15,
FD45 (stainless),
FD83, DryConnect

Industrial Plants



FD21, FD35,
FD40, FD41, FD43,
FD45 (steel),
FD45 (brass),
FD45 (stainless),
FD48, FD49, 5100,
5600, FD69, FD83,
FD86, FD90,
DryConnect

Construction



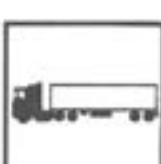
FD15, FD35, FD40,
FD41, FD42, FD43,
FD45 (steel), FD48,
FD49, 5100, 5400,
5600, FD69, FD86,
FD90

Forestry



FD15, 5600,
FD86

Transportation



FD15, FD42,
FD45 (steel),
FD45 (brass),
5100, 5400,
5600, FD83, FD90

Oil and Gas



FD15, FD21, FD35,
FD45 (stainless),
FD45 (brass),
5100, 5600, FD86,
FD90

Maintenance & Repair Operations



FD40, FD41, FD43,
FD45 (steel),
FD45 (brass),
FD49, 5100, 5600,
FD69, FD90

Utility

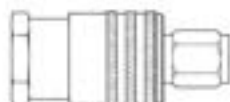


FD15, FD21, FD35,
FD45 (steel),
FD49, 5100,
5600, FD86, FD90



Aeroquip Quick Disconnect Couplings

AIR COUPLINGS



FD40 Series
MIL-C-4109 Interchange—
Automatic Sleeve



FD41 Series
ARO-210 Interchange



FD43 Series
MIL-C-4109 Interchange—
Manual Sleeve

HYDRAULIC—FARM

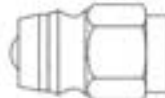


FD71 Series
Push to Connect
ISO Interchange

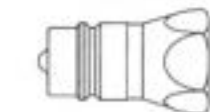


FD72 Series
Push to Connect
Connect Under Pressure—Male
ISO Interchange

Male Tips



FD70 Series
Deere Interchange



FD76 Series
ISO Standard

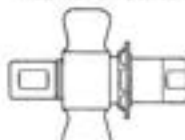
FLUID TRANSFER and HYDRAULIC



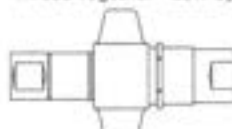
5600 Series
General Purpose Industrial Interchange
ISO 7241/1 Series A



FD45 Series
Industrial Interchange
ISO 7241/1 Series B



5100 Series
Thread Together—Low Spill



FD85 Series
5000 psi High Impulse—Dry Break



FD49 Series
Flush Face—No Spill
HTMA Interchange



FD21 Series
1/8" High Pressure—"Arc Latch"[™]



FD35 Series
High Pressure—"Arc Latch"[™]

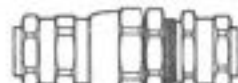


FD42 Series
Pioneer 4000-2 Interchange



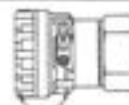
FD48 Series
Bruning SM-250 Interchange

FLUID TRANSFER and REFRIGERANT



5409 Series
Low Spill—Low Air Inclusion

BULK FLUID TRANSFER



FD83 Series
Identical Half—Dry Break

CHEMICAL and FLUID TRANSFER



2573000 DryConnect[™] Series
Stainless Steel



2572000 DryConnect[™] Series
Polypropylene

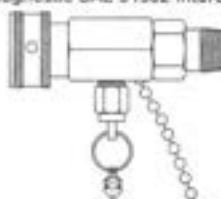
SPECIAL APPLICATION



FD89 Series
Water Blast "Arc Latch"[™]



FD90 Series
Diagnostic SAE J1502 Interchange



FD15 Series
Oil Sampling Valve



Hose Adapters & Tube Fittings

O-RINGS

DESIGNATING SEPARATE ORS AND FLANGE O-RINGS

To order Aeroquip O-Rings separately without fittings specify the size and material by using the charted O-Ring base number and dash size.

O-Ring			Material	Operating Temperature Range
SAE Base Number	ORS Base Number	Flange Base Number		
22617	FF9446	FF9446	90 Durometer Buna N Nitrile Rubber	-40°F. to +250°F. (-40°C. to +121°C.)
22033	FF9807	FF9016	EPR Ethylene Propylene Rubber	-65°F. to +300°F. (-55°C. to +150°C.)
22068	22046	22046	Viton Fluoroelastomer	-15°F. to +400°F. (-25°C. to +200°C.)
22012	FF9855		Buna N, Low Temperature Nitrile Rubber	-65°F. to +225°F. (-55°C. to +100°C.)
	22546		Neoprene	-65°F. to +300°F. (-55°C. to +150°C.)

SAE O-Ring Boss



O-Ring Dash Size	Tube Size	D	E
-4	-4	.351	.072
-6	-6	.468	.078
-8	-8	.644	.087
-10	-10	.755	.097
-12	-12	.924	.116
-16	-16	1.171	.116
-20	-20	1.475	.118
-24	-24	1.720	.118

ORS O-Ring



O-Ring Size Designation	ORS Tube Size	A	E
-11	-4	.301	.07
-12	-6	.364	.07
-14	-8	.489	.07
-16	-10	.614	.07
-18	-12	.739	.07
-21	-16	.926	.07
-25	-20	1.176	.07
-29	-24	1.489	.07

Flange O-Ring



O-Ring Size Designation	Flange Size	Flange Dash Size	A	E
-210	.50	-8	.734	.139
-214	.75	-12	.984	.139
-219	1.00	-16	1.296	.139
-222	1.25	-20	1.484	.139
-225	1.50	-24	1.859	.139
-228	2.00	-32	2.234	.139

O-RING SEAL KIT

Part No. FF10280-01

Includes metal box, O-Rings for ORS -04 through -24, O-Ring boss -04 through -32, Split flange -08 through -32, 24 packages with twelve 90 durometer nitrile O-Rings per package. Packages can be ordered individually by part number listed.

Connection Size		Individual Package Part Number (12 O-Rings Ea.)	Individual O-Ring Part Number
ORS*	-04	FF10266-01-11	FF9446-11
	-06	FF10266-01-12	FF9446-12
	-08	FF10266-01-14	FF9446-14
	-10	FF10266-01-16	FF9446-16
	-12	FF10266-01-18	FF9446-18
	-16	FF10266-01-21	FF9446-21
	-20	FF10266-01-25	FF9446-25
	-24	FF10266-01-29	FF9446-29
	-04	FF10273-01-04	22617-4
	-05	FF10273-01-05	22617-5
O-Ring Boss	-06	FF10273-01-06	22617-6
	-08	FF10273-01-08	22617-8
	-10	FF10273-01-10	22617-10
	-12	FF10273-01-12	22617-12
	-16	FF10273-01-16	22617-16
	-20	FF10273-01-20	22617-20
Split Flange	-24	FF10273-01-24	22617-24
	-32	FF10273-01-32	22617-32
	-08	FF10266-01-210	FF9446-210
	-12	FF10266-01-214	FF9446-214
	-16	FF10266-01-219	FF9446-219
	-20	FF10266-01-222	FF9446-222
	-24	FF10266-01-225	FF9446-225
	-32	FF10266-01-228	FF9446-228

* For ORS O-Ring Kit only, order part number: FF10265-01, only includes ORS O-Rings.

Hose Adapters & Tube Fittings Thread Size Chart

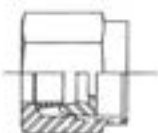
THREAD SIZE CHART

The following chart is intended as a quick reference guide for thread size by dash size.

Dash size	N.P.T.F.	N.P.S.M. approx. dia.	SAE 45° auto. refrig.	SAE 37° (J.I.C.) hydraulic	SAE O-Ring boss	P.T.T. 30° automotive	SAE invert. flare	ORS
-02	1/8-27	1/8-27	1/8-24	1/8-24	1/8-24		1/8-24	
-03			1/8-24	1/8-24	1/8-24		1/8-24	
-04	1/4-18	1/4-18	1/4-20	1/4-20	1/4-20		1/4-24	1/4-18
-05			1/2-20	1/2-20	1/2-20		1/2-20	
-06	1/2-18	1/2-18	1/2-18	1/2-18	1/2-18		1/2-18	1 1/8-16
-07			1 1/8-24				1 1/8-18	
-08	1/2-14	1/2-14	3/4-16	3/4-16	3/4-16		3/4-18	1 1/8-16
-10			1/2-14	1/2-14	1/2-20		1/2-18	1-14
-12	3/4-14	3/4-14	1 1/8-14	1 1/8-12	1 1/8-12		1 1/8-16	1 1/8-12
-14				1 1/8-12	1 1/8-12			
-16	1-11 1/2	1-11 1/2		1 1/8-12	1 1/8-12	1 1/8-14		1 1/8-12
-20	1 1/4-11 1/2	1 1/4-11 1/2		1 1/8-12	1 1/8-12	1 1/8-14		1 1/8-12
-24	1 1/2-11 1/2	1 1/2-11 1/2		1 1/8-12	1 1/8-12	1 1/8-14		2-12
-32	2-11 1/2	2-11 1/2		2 1/2-12	2 1/2-12	2 1/2-12		
-40	2 1/2-8	2 1/2-8		3-12	3-12			
-48	3-8	3-8		3 1/2-12	3 1/2-12			

ORS-TF Tube Fittings

ORS-TF Kit
Part no. FF90146 (Size)



Includes:
FC1851
FF90102
FF90103

ORS-TF Nut
ORS-TF Ferrule
ORS-TF Sleeve



ORS-TF Nut
Part no. FC1851 (Size)

Dash Size			
04S	08S	12S	20S
06S	10S	16S	24S



ORS-TF Ferrule
Part no. FF90102 (Size)

Dash Size			
04S	08S	12S	20S
06S	10S	16S	24S



ORS-TF Sleeve
Part no. FF90103 (Size)

Dash Size			
04S	08S	12S	20S
06S	10S	16S	24S



Hose Adapters & Tube Fittings ORS/NPTF



ORS/Male NPTF Adapter
Part no. FF2031T(Size)
(Ref. SAE 520102)

Dash Size			
0402S	0606S	1008S	1612S
0404S	0608S	1012S	1616S
0406S	0804S	1016S	1620S
0408S	0806S	1208S	2016S
0602S	0808S	1212S	2020S
0604S	0812S	1216S	2424S



45° ORS/Male NPTF Adapter
Part no. FF2093T(Size)
(Ref. SAE 520302)

Dash Size			
0402S	0606S	0808S	1616S
0404S	0608S	1008S	2020S
0406S	0804S	1212S	2424S
0604S	0806S		



90° ORS/Male NPTF Adapter
Part no. FF2032T(Size)
(Ref. SAE 520202)

Dash Size			
0402S	0608S	1008S	1612S
0404S	0802S	1012S	1616S
0602S	0806S	1208S	2016S
0604S	0808S	1212S	2020S
0606S	0812S	1216S	2424S



ORS/ORS Male NPTF Adapter
Part no. FF2001T(Size)
(Ref. SAE 520425)

Dash Size			
0402S	0806S	1206S	1616S
0404S	0808S	1212S	2020S
0604S	1008S	1216S	2424S
0606S			

ORS/ORS



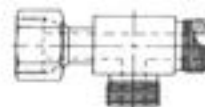
ORS/ORS Adapter
Part no. FF2000T(Size)
(Ref. SAE 520101)

Dash Size			
0404S	0808S	1210S	1616S
0604S	1008S	1212S	2020S
0606S	1010S	1612S	2424S
0806S	1208S		



90° ORS/ORS Adapter
Part no. FF2035T(Size)
(Ref. SAE 520201)

Dash Size			
0404S	0804S	1010S	1616S
0604S	0806S	1208S	2020S
0606S	0808S	1212S	2424S



ORS/ORS Female/ORS Adapter
Part no. FF2114T(Size)
(Ref. SAE 520432)

Dash Size		
0404S	1010S	1616S
0606S	0001S	2020S
0808S	1212S	2424S



ORS/ORS Reducer Adapter
Part no. FF2281T(Size)
(Ref. SAE 520101)

Dash Size			
0406S	0608S	0810S	1224S
0408S	0610S	0812S	1620S
0410S	0612S	0816S	1624S
0412S			

Available without nut, order by Part No. FF2151
(Dash Size)



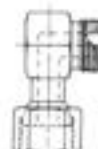
ORS/ORS/ORS Adapter
Part no. FF1898T(Size)
(Ref. SAE 520221)

Dash Size			
0404S	1010S	1216S	2016S
0606S	0004S	1616S	2020S
0608S	1212S	0003S	2424S
0808S			



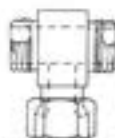
ORS Bulkhead/ORS Adapter
Part no. FF1994T(Size)
(Ref. SAE 520401)

Dash Size			
0404S	0808S	1212S	2020S
0606S	1008S	1616S	2424S
0608S	1010S	2016S	



90° ORS/ORS Female Adapter
Part no. FF2098T(Size)
(Ref. SAE 520221)

Dash Size			
0404S	0808S	1212S	2020S
0606S	1010S	1616S	2424S



ORS/ORS/ORS Female Adapter
Part no. FF1857T(Size)
(Ref. SAE 520433)

Dash Size			
0404S	0808S	1212S	2020S
0606S	1010S	1616S	2424S



90° ORS/ORS Bulkhead Adapter
Part no. FF2030T(Size)
(Ref. SAE 520701)

Dash Size		
0404S	0808S	1616S
0606S	1010S	2020S
0806S	1212S	2424S

Hose Adapters & Tube Fittings ORS Braze Type



ORS-BR Shoulder Internal Braze
Part no. FC1229(Dash size)
(Ref. SAE 520115)

Dash Size		
0404S	1208S	1614S
0604S	1010S	1616S
0606S	1210S	2016S
0806S	1212S	2020S
0808S	1414S	2420S
1008S	1612S	2424S

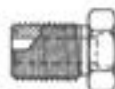
CAUTION: In applications exceeding +480°F (such as during brazing) order the oil-coated/non-plated nut by using part number FC2326-Size 18S. When plating is heated above +480°F toxic gases are given off.



ORS-BR Shoulder External Braze/Weld
Part no. FC2325(Dash size)
(Ref. SAE 520172)

Dash Size		
0404S	1008S	1616S
0604S	1010S	2016S
0606S	1210S	2020S
0806S	1212S	2416S
0808S	1612S	2424S

CAUTION: In applications exceeding +480°F (such as during brazing) order the oil-coated/non-plated nut by using part number FC2326-Size 18S. When plating is heated above +480°F toxic gases are given off.



ORS Bulkhead Male/Braze Adapter
Part no. FF1922T(Dash size)
(Ref. SAE 520604)

Dash Size			
0404S	0810S	1214S	2024S
0606S	1010S	1616S	2424S
0808S	1212S	2020S	



ORS/Braze Adapter
Part no. FF1851T(Dash size)
(Ref. SAE 520104)

Dash Size			
0404S	0808S	1214S	2016S
0406S	0810S	1216S	2020S
0604S	1008S	1612S	2024S
0606S	1010S	1616S	2424S
0608S	1210S	1620S	2428S
0806S	1212S		

* Aeroquip braze counterbores are dimensioned for sized or emerged tubing. If tubing is used as received contact Aeroquip for appropriate part number.



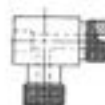
90° ORS/Braze Port Adapter
Part no. FF1856T(Dash size)
(Ref. SAE 520204)

Dash Size			
0404S	1010S	1216S	2020S
0606S	1012S	1616S	2424S
0808S	1208S	1620S	
0810S	1212S	2016S	



ORS/ORS/Braze Port Adapter
Part no. FF1858T(Dash size)
(Ref. SAE 520472)

Dash Size			
0404S	0808S	1216S	2020S
0606S	1010S	1616S	2424S
0608S	1212S		



ORS/Braze/ORS Port Adapter
Part no. FF2115T(Dash size)
(Ref. SAE 520472)

Dash Size			
0404S	0808S	1212S	2020S
0606S	1010S	1616S	2424S



ORS-BR Nut
Part no. FC2326(Size)
(Ref. SAE 520110)

Dash Size		
04S	10S	16S
06S	12S	20S
08S	14S	24S

CAUTION: In applications exceeding +480°F (such as during brazing) order the oil-coated/non-plated nut by using part number FC1857-Size 18S. When plating is heated above +480°F toxic gases are given off.

ORS Accessories



ORS Bulkhead Nut
Part no. FF9768(Size)
(Ref. SAE 520118)

Dash Size			
04S	08S	12S	20S
06S	10S	16S	24S



ORS Plug
Part no. FF9767(Size)
(Ref. SAE 520109)

Dash Size			
04S	08S	12S	20S
06S	10S	16S	24S



ORS Cap Assembly
Part no. FF9863(Size)
(Ref. SAE 520112)

Dash Size			
04S	08S	12S	20S
06S	10S	16S	24S



ORS Cap (use with FC2326 Nut)
Part no. FF9766(Size)

Dash Size		
04S	10S	16S
06S	12S	20S
08S	14S	24S



ORS Silver Braze Ring

Dash Size	Tube Size O.D. (inches)
FF9075-19	.25
FF9075-06	.38
FF9075-74	.50
FF9075-08	.63
FF9075-09	.75
FF9075-86	1.00
FF9075-87	1.25
FF9075-88	1.50

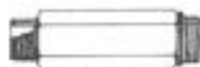


Hose Adapters & Tube Fittings ORS/O-Ring Boss



ORS/SAE O-Ring Boss Adapter
Part no. FF1852T(Size)
(Ref. SAE 520120)

Dash Size			
0403S	0610S	1010S	1610S
0404S	0612S	1012S	1612S
0405S	0616S	1014S	1614S
0406S	0806S	1206S	1616S
0408S	0808S	1208S	1620S
0603S	0810S	1210S	2016S
0604S	0812S	1212S	2020S
0605S	0814S	1214S	2024S
0606S	0816S	1216S	2420S
0608S	1008S	1608S	2424S



ORS/Male O-Ring Boss Adapter
Part no. FF2211T(Size)
(Ref. SAE 520122)

Dash Size			
0606S	0808S	1010S	1212S
0608S			



ORS/SAE O-Ring Boss Long Adapter
Part no. FF1854T(Size)
(Ref. SAE 520122)

Dash Size			
0404S	0808S	1214S	2020S
0606S	1010S	1616S	2424S
0608S	1212S		



45° ORS/SAE
O-Ring Boss (Adj) Adapter
Part no. FF2068T(Size)
(Ref. SAE 520220)

Dash Size			
0404S	0806S	1010S	1612S
0406S	0808S	1012S	1616S
0408S	0810S	1210S	1620S
0604S	0816S	1212S	2020S
0606S	1008S	1216S	2424S
0608S			



90° ORS/SAE O-Ring Boss (Adj) Adapter
Part no. FF1868T(Size)
(Ref. SAE 520220)

Dash Size			
0403S	0608S	1010S	1614S
0404S	0610S	1012S	1616S
0405S	0612S	1208S	1620S
0406S	0806S	1210S	2012S
0408S	0808S	1212S	2016S
0604S	0810S	1214S	2020S
0605S	0812S	1216S	2420S
0606S	1008S	1612S	2424S



90° ORS/SAE O-Ring Boss (Adj)
Long Adapter
Part no. FF2227T(Size)
(Ref. SAE 521520)

Dash Size			
0404S	0808S	1212S	2020S
0606S	1010S	1616S	



ORS/ORS/SAE O-Ring Boss (Adj) Adapter
Part no. FF1861T(Size)
(Ref. SAE 520429)

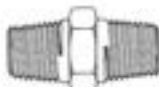
Dash Size			
0403S	0608S	1210S	1616S
0404S	0808S	1212S	2020S
0606S	1010S	1216S	2424S



ORS/SAE O-Ring Boss (Adj) ORS Adapter
Part no. FF1865T(Size)
(Ref. SAE 520429)

Dash Size			
0404S	0812S	2020S	
0406S	1010S	2424S	
0604S	1012S	0005S	
0606S	1212S	0001S	
0806S	1220S	0012S	
0808S	1616S	0003S	

Pipe To Pipe



Nipple-External pipe/External pipe
Part no. 2083(Dash size)
(Ref. SAE 140137)

Dash Size			
2-2S	8-4S	12-12S	24-24S
4-2S	8-6S	16-12S	32-32S
4-4S	8-8S	16-16S	
6-4S	12-6S	20-16S	
6-6S	12-8S	20-20S	



Nipple-External pipe/External pipe
Part no. 2084(Dash size)

Dash Size			
2S-1/4	6S-3	12S-1/4	
2S-2	6S-4	16S-1/4	
4S-1/4	6S-6	20S-1/4	
6S-1	8S-1/4	24S-1/4	
6S-2	8S-2		



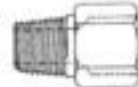
External pipe/External pipe (NPSM)
Part no. 2015(Dash size)

Dash Size			
8-8S	12-12S	16-16S	24-24S



Reducer-External pipe/Internal pipe
Part no. 2081(Dash size)
(Ref. SAE 140140)

Dash Size			
4-2S	8-6S	16-8S	24-16S
6-2S	12-4S	16-12S	24-20S
6-4S	12-6S	20-12S	32-16S
8-2S	12-8S	20-16S	32-20S
8-4S	16-6S	24-12S	32-24S



External pipe/Internal pipe
Part no. 2040(Dash size)
(Ref. SAE 140139)

Dash Size			
2-2S	6-6S	12-16S	24-24S
2-4S	6-8S	16-16S	32-32S
4-4S	8-8S	16-20S	
4-6S	8-12S	20-20S	
4-8S	12-12S	20-24S	



External pipe/Plug
Part no. 2082(Dash size)

Dash Size			
2S	6S	12S	20S
4S	8S	16S	24S

12082 is a solid part. For counterbored part, order part number FF1871 size.



Hose Adapters & Tube Fittings Pipe To Pipe (Continued)



External pipe/Plug countersunk hex
Part no. 2222 (Dash size)

Dash Size			
2S	4S	6S	8S



Internal pipe swivel (NPSM)/External pipe
Part no. 2045 (Dash size)
(Ref. SAE 140130)

Dash Size			
2-2S	6-6S	12-12S	24-24S
2-4S	6-8S	12-16S	32-32S
4-4S	8-8S	16-12S	
4-6S	8-8S	16-16S	
6-4S	8-12S	20-20S	



Internal pipe swivel (NPSM)/Internal pipe
Part no. 2046 (Dash size)
(Ref. SAE 140131)

Dash Size			
2-2S	4-6S	8-8S	20-20S
2-4S	6-6S	12-12S	24-24S
4-4S	6-8S	16-16S	32-32S



Coupling - Internal pipe/Internal pipe
Part no. 2096 (Dash size)

Dash Size			
2S	6S	12S	20S
4S	8S	16S	24S



External pipe/External pipe
Part no. 2247 (Dash size)

Dash Size			
2-2S	6-4S	8-8S	16-16S
4-4S	6-6S	12-12S	20-20S



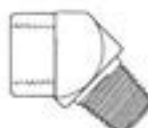
Internal pipe swivel (NPSM)/External pipe
Part no. 2049 (Dash size)
(Ref. SAE 140130)

Dash Size			
2-2S	8-6S	20-20S	
4-4S	8-8S	24-24S	
6-6S	12-12S	32-32S	
6-8S	16-16S		



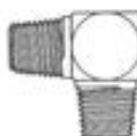
Internal pipe swivel (NPSM)/Internal pipe
Part no. 2050 (Dash size)
(Ref. SAE 140131)

Dash Size			
4-4S	8-8S	16-16S	
6-6S	12-12S	20-20S	



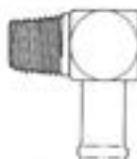
External pipe/Internal pipe
Part no. 2088 (Dash size)
(Ref. SAE 140139)

Dash Size			
2-2S	6-6S	12-12S	
4-4S	8-8S	16-16S	



External pipe/External pipe
Part no. 2085 (Dash size)

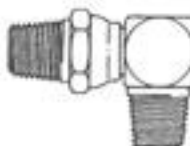
Dash Size			
2-2S	6-6S	12-8S	16-12S
4-4S	8-6S	12-12S	16-16S
6-4S	8-8S		



External pipe/Hose connector
Part no. FF1162 (Dash size)

Dash Size			
0-406S	12-12S	16-16S	20-20S

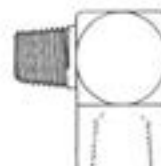
Clamp required



External pipe swivel/External pipe
Part no. 2251 (Dash size)

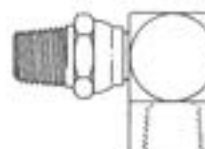
Dash Size			
4-6S	6-6S	8-8S	12-12S

NOTE:
The above adapter is not a rotating union or swivel joint. Care must be exercised to avoid misuse. To be used with petroleum or water glycol fluids.



External pipe/Internal pipe
Part no. 2089 (Dash size)
(Ref. SAE 140239)

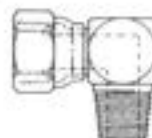
Dash Size			
2-2S	4-6S	8-6S	12-12S
2-4S	6-4S	8-8S	16-16S
4-2S	6-6S	8-12S	20-20S
4-4S	6-8S	12-8S	24-24S



External pipe swivel/Internal pipe
Part no. 2252 (Dash size)

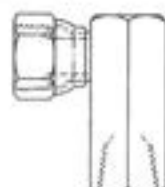
Dash Size			
4-4S	6-6S	8-8S	12-12S

NOTE:
The above adapter is not a rotating union or swivel joint. Care must be exercised to avoid misuse. To be used with petroleum or water glycol fluids.



Internal pipe swivel (NPSM)/External pipe
Part no. 2047 (Dash size)
(Ref. SAE 140230)

Dash Size			
2-2S	6-8S	12-8S	16-16S
4-4S	8-6S	12-12S	20-20S
4-6S	8-8S	12-16S	24-24S
6-6S	8-12S	16-12S	32-32S

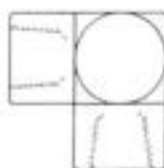


Internal pipe swivel (NPSM)/Internal pipe
Part no. 2048 (Dash size)

Dash Size			
4-4S	12-12S	20-20S	
6-6S	16-16S	24-24S	
8-8S			



Hose Adapters & Tube Fittings Pipe To Pipe (Continued)



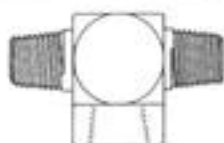
Internal pipe/Internal pipe
Part no. 2087 (Dash size)
(Ref. SAE 140238)

Dash Size			
2-2S	6-6S	12-8S	16-16S
4-2S	8-6S	12-12S	20-20S
4-4S	8-8S	16-12S	24-24S
6-4S			



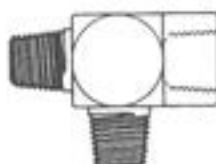
External pipe/External pipe
Part no. 2257 (Dash size)

Dash Size			
2-2S	6-6S	12-12S	
4-4S	8-8S	16-16S	



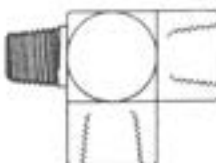
External pipe/Internal pipe
Part no. 2256 (Dash size)

Dash Size			
2-2S	6-6S	12-12S	
4-4S	8-8S	16-16S	



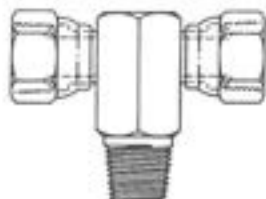
External pipe/Internal pipe
Part no. 2093 (Dash size)

Dash Size			
2-2S	6-6S	12-12S	
4-4S	8-8S	16-16S	



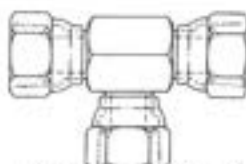
External pipe/Internal pipe
Part no. 2092 (Dash size)
(Ref. SAE 140424)

Dash Size			
2-2S	8-8S	16-16S	
4-4S	12-12S	20-20S	
6-6S			



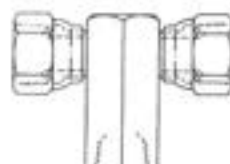
Internal pipe swivel (NPSM)/External pipe
Part no. 2254 (Dash size)

Dash Size			
2-2S	8-8S	16-16S	
4-4S	12-12S	20-20S	
6-6S			



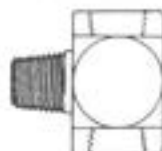
Internal pipe swivel (NPSM)
Part no. 2255 (Dash size)

Dash Size			
2-2S	6-6S	12-12S	
4-4S	8-8S	16-16S	



Internal pipe swivel (NPSM)/Internal pipe
Part no. 2253 (Dash size)

Dash Size			
4-4S	8-8S	12-12S	16-16S
6-6S			



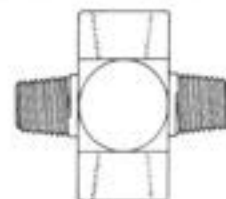
External pipe/Internal pipe
Part no. 2091 (Dash size)
(Ref. SAE 140425)

Dash Size			
2-2S	6-6S	12-12S	
4-4S	8-8S	16-16S	



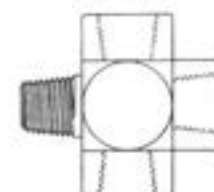
Internal pipe/Internal pipe
Part no. 2090 (Dash size)
(Ref. SAE 140438)

Dash Size			
2-2S	6-6S	12-12S	20-20S
4-4S	8-8S	16-16S	24-24S



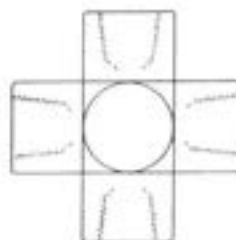
External pipe/Internal pipe
Part no. 208006 (Dash size)

Dash Size			
4-4S	6-6S	20-20S	



External pipe/Internal pipe
Part no. 208007 (Dash size)

Dash Size			
4-4S	6-6S	8-8S	12-12S



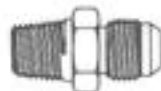
Internal pipe/Internal pipe
Part no. 2080 (Dash size)

Dash Size			
2-2S	6-6S	12-12S	
4-4S	8-8S	16-16S	



Hose Adapters & Tube Fittings

Pipe To 37° Flare



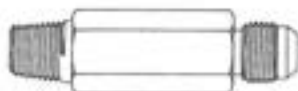
External pipe/37° flare
Part no. 2021 (Dash size)
(Ref. SAE 070102)

Dash Size			
2-3S	6-5S	12-8S	20-16S
2-4S	6-6S	12-10S	20-20S
2-5S	6-8S	12-12S	20-24S
2-6S	6-10S	12-16S	20-32S
2-8S	8-4S	16-12S	24-12S
4-4S	8-6S	16-16S	24-16S
4-5S	8-8S	16-20S	24-20S
4-6S	8-10S	16-24S	24-24S
4-8S	8-12S	16-32S	24-32S
6-4S	12-6S	20-12S	32-32S



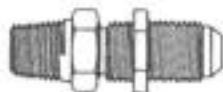
External pipe/37° flare
Part no. 202113 (Dash size)

Dash Size			
2-4S	4-6S	8-12S	20-20S
2-5S	6-6S	12-12S	24-24S
4-4S	6-8S	16-16S	32-32S
4-5S	8-10S		



External pipe/37° flare
Part no. 202114 (Dash size)

Dash Size			
2-4S	4-5S	8-6S	12-16S
2-5S	4-6S	8-10S	16-16S
4-4S	6-8S	12-12S	



External pipe/37° flare bulkhead
Part no. 2240 (Dash size)

Dash Size			
2-4S	4-6S	8-10S	16-16S
4-4S	6-8S	12-12S	



Internal pipe/37° flare
Part no. 2022 (Dash size)
(Ref. SAE 070103)

Dash Size			
2-3S	4-6S	8-10S	20-16S
2-4S	4-8S	8-12S	20-20S
2-5S	6-6S	12-8S	24-24S
4-3S	6-8S	12-10S	32-32S
4-4S	8-6S	12-12S	40-40S
4-5S	8-8S	16-16S	



Internal pipe/37° flare bulkhead
Part no. 2239 (Dash size)

Dash Size			
2-4S	8-10S	12-12S	16-16S
6-8S			



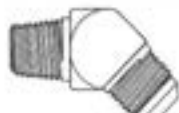
Internal pipe/37° flare swivel
Part no. 2242 (Dash size)

Dash Size			
2-4S	6-6S	8-8S	12-14S
2-5S	6-8S	8-10S	16-16S
4-4S	8-6S	12-12S	20-20S
4-5S			



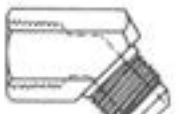
External pipe/37° flare swivel
Part no. 2018 (Dash size)

Dash Size			
2-4S	6-8S	16-16S	
4-6S	12-12S	20-20S	



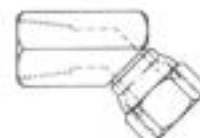
External pipe/37° flare
Part no. 2023 (Dash size)
(Ref. SAE 070102)

Dash Size			
2-3S	4-8S	8-10S	16-16S
2-4S	6-4S	8-12S	16-20S
2-5S	6-6S	12-8S	20-20S
2-6S	6-8S	12-10S	24-24S
4-4S	6-10S	12-12S	32-32S
4-5S	8-6S	12-16S	40-40
4-6S	8-8S	16-12S	48-48



Internal pipe/37° flare
Part no. 2044 (Dash size)

Dash Size			
4-6S	6-8S	8-10S	12-12S



Internal pipe/37° flare swivel
Part no. 2243 (Dash size)

Dash Size	
8-6S	8-10S



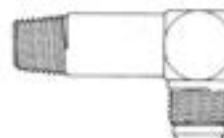
External pipe/37° flare
Part no. 2024 (Dash size)
(Ref. SAE 070202)

Dash Size			
2-3S	6-6S	8-16S	16-20S
2-4S	6-8S	12-6S	20-16S
2-5S	6-10S	12-8S	20-20S
2-6S	6-12	12-10S	20-24S
4-4S	8-4S	12-12S	24-20S
4-5S	8-6S	12-16S	24-24S
4-6S	8-8S	16-8S	24-32S
4-8S	8-10S	16-12S	32-32S
6-4S	8-12S	16-16S	40-40S
6-5S			



External pipe/37° flare
Part no. 202411 (Dash size)
(Ref. SAE 071502)

Dash Size			
2-4S	4-6S	8-10S	16-16S
2-5S	6-8S	12-10S	20-20S
4-4S	8-8S	12-12S	12-16S

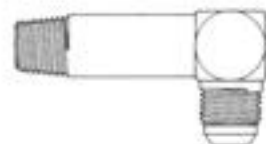


Long external pipe/37° flare
Part no. 202413 (Dash size)
(Ref. SAE 071502)

Dash Size			
2-4S	4-6S	8-10S	12-20S
2-5S	6-6S	8-12S	16-16S
4-4S	6-8S	12-12S	20-20S
4-5S	8-8S	12-16S	

Hose Adapters & Tube Fittings

Pipe To 37° Flare (Continued)



Extra long external pipe/37° flare
Part no. 202414 (Dash size)

Dash Size			
2-4S	4-6S	8-10S	16-16S
2-5S	6-8S	12-12S	20-20S
4-4S	8-8S		



External pipe/37° flare swivel
Part no. 2250 (Dash size)

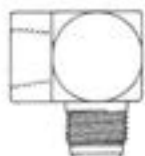
Dash Size			
2-4S	6-8S	12-8S	16-16S
2-5S	8-8S	12-12S	20-20S
4-6S	8-10S	12-14S	24-24S
6-6S			



External pipe swivel/37° flare
Part no. 2249 (Dash size)

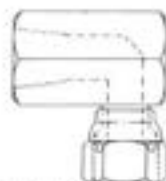
Dash Size			
4-6S	6-8S	8-10S	12-12S

NOTE: The above adapter is not a rotating union or swivel joint. Care must be exercised to avoid misuse. To be used with petroleum or water glycol fluids.



Internal pipe/37° flare
Part no. 2025 (Dash size)
(Ref. SAE 070203)

Dash Size			
2-4S	4-8S	8-4S	12-12S
2-5S	6-4S	8-5S	16-16S
2-6S	6-5S	8-6S	20-20S
4-4S	6-6S	8-10S	24-24S
4-5S	6-8S	8-12S	32-32S
4-6S			



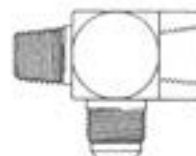
Internal pipe/37° flare swivel
Part no. 2244 (Dash size)

Dash Size			
6-6S	8-6S	8-8S	8-10S



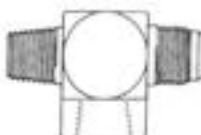
External pipe/37° flare
Part no. 203007 (Dash size)

Dash Size			
2-4S	6-8S	12-12S	20-20S
4-6S	8-10S	16-16S	24-24S



External pipe/internal pipe/37° flare
Part no. 203301 (Dash size)

Dash Size			
2-4S	6-8S	12-12S	
4-6S	8-10S	16-16S	



External pipe/37° flare/internal pipe
Part no. 203103 (Dash size)

Dash Size			
2-4S	6-8S	16-16S	
4-6S	8-10S	20-20S	
6-6S	12-12S	32-32S	



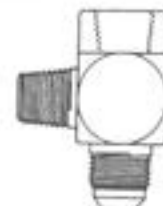
External pipe/37° flare
Part no. 2028 (Dash size)
(Ref. SAE 070424)

Dash Size			
2-3S	4-6S	8-10S	16-16S
2-4S	6-6S	8-12S	20-20S
2-5S	6-8S	12-10S	24-24S
4-4S	8-8S	12-12S	32-32S
4-5S			



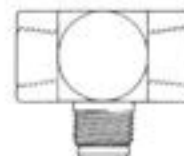
External pipe/37° flare
Part no. 2030 (Dash size)
(Ref. SAE 070425)

Dash Size			
2-3S	6-6S	8-12-16S	
2-4S	6-8S	12-12S	
2-5S	6-10S	12-16S	
4-4S	8-6S	16-16S	
4-5S	8-8S	20-20S	
4-6S	8-10S		



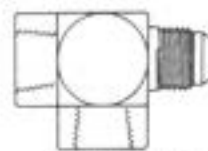
External pipe/internal pipe/37° flare
Part no. 203006 (Dash size)

Dash Size			
2-4S	6-8S	12-12S	20-20S
4-6S	8-10S	16-16S	



Internal pipe/37° flare
Part no. 202901 (Dash size)

Dash Size			
2-4S	4-6S	12-12S	16-16S

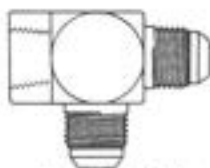


Internal pipe/37° flare
Part no. 203104 (Dash size)
(Ref. SAE 070427)

Dash Size			
2-2S	4-6S	16-16S	24-24S
2-4S	8-10S	20-20S	

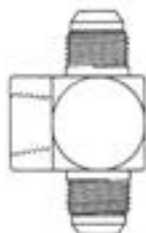


Hose Adapters & Tube Fittings Pipe To 37° Flare (Continued)



Internal pipe/37° flare
Part no. 20294(Dash size)
(Ref. SAE 070426)

Dash Size			
2-4S	4-6S	8-10S	20-20S
2-5S	6-8S	12-12S	24-24S
4-4S	8-8S	16-16S	



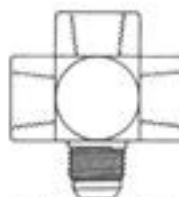
Internal pipe/37° flare
Part no. 20314(Dash size)
(Ref. SAE 070427)

Dash Size			
2-3S	4-4S	8-10S	20-20S
2-4S	4-6S	12-12S	24-24S
2-5S	6-8S	16-16S	32-32S



External pipe/37° flare
Part no. 202003(Dash size)

Dash Size	
6-6S	12-12S



Internal pipe/37° flare
Part no. 202006(Dash size)

Dash Size			
8-10S	12-12S	20-20S	24-24S



Bulkhead Lock Nut
Part no. 210212(Dash size)
(Ref. SAE 070118)

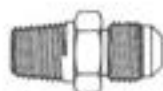
Dash Size		
4S	8S	16S
5S	10S	20S
6S	12S	24S



Cap nut (Ref. SAE 070112)
Part no. 210292(Dash size)

Dash Size				
3S	6S	10S	16S	24S
4S	8S	12S	20S	32S
5S				

Hose Adapters & Tube Fittings Pipe To 45° Flare



External pipe/45° flare
Part no. 2000 (Dash size)
(Ref. SAE 010102)

Dash Size			
2-4B	4-8B	6-8B	8-10B
2-5B	4-10B	6-10B	8-12B
2-6B	6-4B	8-4B	12-8B
4-4B	6-5B	8-6B	12-10B
4-5B	6-6B	8-8B	12-12B
4-6B			



Internal pipe/45° flare
Part no. 2001 (Dash size)
(Ref. SAE 010103)

Dash Size			
2-4B	4-6B	6-8B	8-10B
2-5B	4-8B	6-10B	8-12B
4-4B	6-4B	8-6B	12-10B
4-5B	6-6B	8-8B	12-12B



External pipe/45° flare
Part no. 2003 (Dash size)
(Ref. SAE 010202)

Dash Size			
2-4B	4-6B	6-8B	8-12B
2-5B	4-8B	6-10B	12-6B
2-6B	6-4B	8-6B	12-8B
4-4B	6-5B	8-8B	12-10B
4-5B	6-6B	8-10B	12-12B



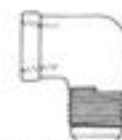
45° flare/45° flare
Part no. 2060 (Dash size)
(Ref. SAE 010103)

Dash Size			
2-2B	4-4B	6-6B	10-10B
3-3B	5-5B	8-8B	12-12B



External pipe/45° flare
Part no. 2007 (Dash size)

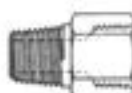
Dash Size			
2-4B	4-6B	6-8B	8-8B
4-4B	6-6B	8-6B	8-10B



Internal pipe/45° flare
Part no. 2002 (Dash size)
(Ref. SAE 010203)

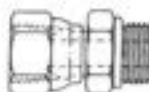
Dash Size			
2-4B	4-6B	6-8B	8-10B
2-5B	6-4B	6-10B	8-12B
4-4B	6-6B	8-8B	12-12B
4-5B			

Pipe To S.A.E. O-Ring



External pipe/SAE O-Ring boss (internal)
Part no. 2246 (Dash size)

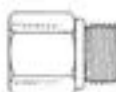
Dash Size			
2-4S	4-6S	8-10S	12-14S
2-5S	6-8S	12-12S	16-16S



Internal pipe swivel (NPSM)/
SAE O-Ring boss
Part no. 2066 (Dash size)

Dash Size			
4-4S	6-8S	12-8S	12-14S
4-6S	8-8S	12-10S	16-16S
6-6S	8-10S	12-12S	16-20S

NOTE: Available without O-Ring
Order by Part no. 206604 (Dash size)



Internal pipe/SAE O-Ring boss
Part no. 2216 (Dash size)

Dash Size			
2-4S	6-12S	12-12S	16-20S
4-5S	8-8S	12-14S	20-20S
4-6S	8-10S	12-16S	24-24S
6-8S	8-12S	16-16S	32-32S

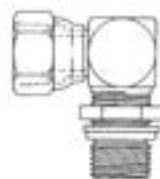
NOTE: Order by Part no. 2216-1 (Dash size)



Internal pipe swivel (NPSM)/
SAE O-Ring boss (adj.)
Part no. 2067 (Dash size)

Dash Size		
6-6S	8-10S	12-16S
6-8S	12-8S	16-12S
8-8S	12-12S	16-16S

NOTE: Available without O-Ring
Order by Part no. 2067-1 (Dash size)



Internal pipe swivel (NPSM)/
SAE O-Ring boss (adj.)
Part no. 2068 (Dash size)

Dash Size			
4-4S	6-8S	12-8S	16-16S
4-6S	8-8S	12-10S	20-16S
6-6S	8-10S	12-12S	20-20S

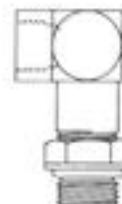
NOTE: Available without O-Ring
Order by Part no. 2068-1 (Dash size)



Internal pipe/SAE O-Ring boss (adj.)
Part no. 206801 (Dash size)

Dash Size			
6-8S	8-8S	12-12S	16-16S

NOTE: Available without O-Ring
Order by Part no. 206801-1 (Dash size)



Internal pipe/SAE O-Ring boss (adj.)
Part no. 206804 (Dash size)

Dash Size			
6-8S	8-10S	12-12S	16-16S

NOTE: Available without O-Ring
Order by part no. 206804-1 (Dash size)

Hose Adapters & Tube Fittings S.A.E. 37° (JIC) Flare Union



Union
37° flare/37° flare
Part no. 2027 (Dash size)
(Ref. SAE 070101)

Dash Size			
3-3S	6-6S	10-8S	16-12S
4-4S	8-4S	10-10S	16-16S
5-4S	8-6S	12-8S	20-20S
5-5S	8-8S	12-10S	24-24S
6-4S	10-5S	12-12S	32-32S
6-5S	10-6S	14-14S	



37° flare/37° flare
(large hex)
Part no. 202712 (Dash size)
(Ref. SAE 070119)

Dash Size			
5-5S	8-8S	12-10S	16-16S
6-4S	10-8S	12-12S	24-24S
6-5S	10-10S	16-12S	



37° flare bulkhead/37° flare
Part no. 2041 (Dash size)
(Ref. SAE 070601)

Dash Size			
4-4S	6-6S	12-12S	20-20S
4-6S	8-8S	12-16S	24-24S
5-5S	10-10S	16-16S	

NOTE: Available without nut.
Order by Part no. 2041-1 (Dash size)



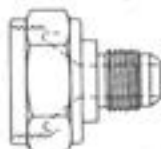
37° flare Plug
Part no. 900699 (Dash size)
(Ref. SAE 070109)

Dash Size			
3S	6S	12S	24S
4S	8S	16S	32S
5S	10S	20S	



37° flare (internal)/37° flare
Part no. 2215 (Dash size)

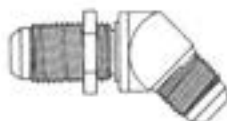
Dash Size			
6-5S	10-12S	12-16S	24-20S
10-8S	12-10S	16-20S	



37° flare swivel (reducer)/37° flare
Part no. 221501 (Dash size)
(Ref. SAE 070123)

Dash Size			
6-4S	12-6S	16-8S	16-12S
8-4S	12-8S	16-10S	20-16S
8-6S	16-6S		
10-6S			

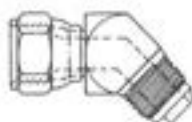
NOTE: Available without nut.
Order by Part no. FF1066 (Dash size)



37° flare bulkhead/37° flare
Part no. 2042 (Dash size)
(Ref. SAE 070801)

Dash Size			
3-3S	6-6S	12-12S	
4-4S	8-8S	16-16S	
5-5S	10-10S	20-20S	

NOTE: Available without nut.
Order by Part no. 2042-1 (Dash size)



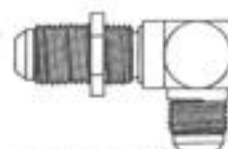
37° flare swivel/37° flare
Part no. 2070 (Dash size)
(Ref. SAE 070321)

Dash Size			
4-4S	6-6S	10-10S	16-16S
5-5S	8-8S	12-12S	



37° flare/37° flare
Part no. 2039 (Dash size)
(Ref. SAE 070201)

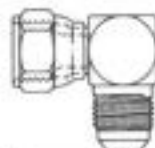
Dash Size			
4-4S	8-6S	12-12S	20-20S
5-5S	8-8S	16-12S	24-24S
6-6S	10-10S	16-16S	32-32S



37° flare bulkhead/37° flare
Part no. 2043 (Dash size)
(Ref. SAE 070701)

Dash Size			
4-4S	6-6S	10-10S	16-16S
5-5S	8-8S	12-12S	20-20S

NOTE: Available without nut.
Order by Part no. 2043-1 (Dash size)



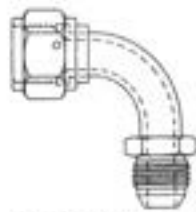
37° flare swivel/37° flare
Part no. 2071 (Dash size)
(Ref. SAE 070221)

Dash Size			
4-4S	6-6S	10-10S	16-16S
4-6S	8-8S	12-12S	20-20S
5-5S	10-8S	14-14S	24-24S



37° flare swivel/37° flare
(suitable for pressures thru
4 light spiral hose — SAE 100R9)
Part no. 500454 (Dash size)

Dash Size			
4S	6S	10S	16S
5S	8S	12S	20S



37° flare swivel/37° flare
(suitable for pressures thru
4 heavy spiral hose — SAE 100R10)
Part no. FF5163 (Dash size)

Dash Size			
0808S	1616S	2020S	2424S
1212S			

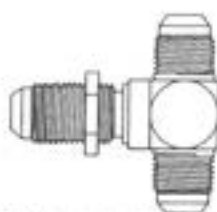


Hose Adapters & Tube Fittings S.A.E. 37° (JIC) Flare Union (Continued)



37° flare/37° flare
Part no. 20333(Dash size)
(Ref. SAE 070401)

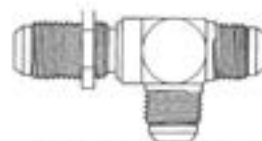
Dash Size			
4-4S	8-12-12S	16-16-20S	
5-5S	10-10S	20-12-16S	
6-6S	12-12S	20-16-16S	
8-6-6S	12-16-12S	20-20S	
8-8S	16-16S		



37° flare bulkhead/37° flare
Part no. 203002(Dash size)
(Ref. SAE 070959)

Dash Size			
4-4S	6-6S	10-10S	16-16S
5-5S	8-8S	12-12S	

NOTE: Available without nut.
Order by Part no. 203002-1(Dash size)



37° flare bulkhead/37° flare
Part no. 203008(Dash size)

Dash Size			
6-6S	12-12S	16-16S	20-20S
8-8S			

NOTE: Available without nut.
Order by Part no. FF1085(Dash size)



37° flare swivel/37° flare
Part no. 203101(Dash size)
(Ref. SAE 070433)

Dash Size			
4-4S	8-8S	12-12S	20-20S
6-6S	10-10S	16-16S	



37° flare swivel/37° flare
Part no. 203102(Dash size)
(Ref. SAE 070433)

Dash Size		
4-4S	8-8S	12-12S
5-5S	10-10S	16-16S
6-6S	10-10-12S	20-20S



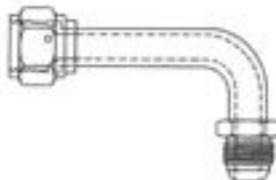
37° flare/37° flare
Part no. 2020(Dash size)
(Ref. SAE 070501)

Dash Size			
4-4S	6-6S	10-10S	16-16S
5-5S	8-8S	12-12S	



37° flare swivel/37° flare
(suitable for pressures thru
4 light spiral hose — SAE 100R9)
Part no. 504095(Dash size)

Dash Size			
4S	6S	10S	16S
5S	8S	12S	20S



37° flare swivel/37° flare
(suitable for pressures thru
4 heavy spiral hose — SAE 100R10)
Part no. FF5164(Dash size)

Dash Size			
0808S	12-12S	16-16S	20-20S

Pipe To Braze & Weld



Braze port/External pipe
Part no. 73056(Dash size)

Dash Size			
12-16S	16S	20-24S	32S



Braze port/Internal pipe
Part no. FF1026(Dash size)

Dash Size			
0608S	12-16S	16-16S	24-24S
12-12S			



Braze port/
Internal pipe swivel (NPSM)
Part no. 2261(Dash size)

Dash Size		
6-8S	8-12S	16-20S
8-10S	12-12S	20-20S

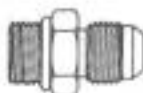


Braze port/External pipe
Part no. FF11594(Dash size)

Dash Size			
0406S	12-12S	16-16S	20-20S



Hose Adapters & Tube Fittings S.A.E. O-Ring To 37° Flare



SAE O-Ring/37° flare
Part no. 202702 (Dash size)
(Ref. SAE 070120)

Dash Size			
4-4S	8-8S	12-8S	16-12S
4-6S	8-8S	12-10S	16-16S
4-8S	8-10S	12-12S	16-20S
5-5S	8-12S	12-14S	20-12S
5-6S	10-4S	12-16S	20-16S
6-4S	10-6S	12-20S	20-20S
6-6S	10-8S	14-10S	20-24S
6-8S	10-10S	14-12S	24-16S
6-10S	10-12S	14-16S	24-20S
8-4S	10-16S	16-8S	24-24S
8-5S	12-6S	16-10S	32-32S

NOTE: O-Ring 22617 is standard. Available without O-Ring. Order by Part no. 202701 (Dash size).



SAE O-Ring boss/37° flare
Part no. 202713 (Dash size)

Dash Size			
6-6S	10-10S	12-12S	16-16S
8-8S			

NOTE: Available without O-Ring. Order by Part no. 202703 (Dash size).



SAE O-Ring boss/37° flare swivel
Part no. 2266 (Dash size)

Dash Size			
6-8S	10-10S	12-12S	16-16S
8-8S			

NOTE: Available without O-Ring. Order by Part no. 226601 (Dash size).



SAE O-Ring boss reducer
Part no. FF1010 (Dash size)

Dash Size			
0408S	1206S	1216S	1612S
0806S	1208S	1608S	2012S
1006S	1210S	1610S	2016S
1008S			



O-Ring boss plug
Part no. 900598 (Dash size)
(Ref. SAE 090109)

Dash Size			
4S	8S	14S	24S
5S	10S	16S	32S
6S	12S	20S	

NOTE: Available without O-Ring. Order Part no. 900598-1 (dash size).



SAE male O-Ring boss plug (Hex Socket)
Part no. FF2138 (Dash size)
(Ref. SAE 090101B)

Dash Size			
.02S	.04S	.06S	.10S
.03S	.05S	.08S	.12S

NOTE: Available without O-Ring. order Part no. FF2137 (dash size).



SAE O-Ring boss (adj.) 37° flare
Part no. 2061 (Dash size)

Dash Size			
4-4S	8-10S	12-12S	16-16S
5-5S	10-8S	12-16S	20-16S
6-6S	10-10S	16-12S	20-20S
8-8S			

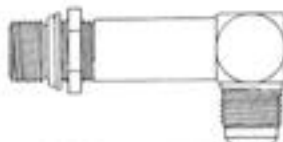
NOTE: Available without O-Ring. Order by Part no. 2061-1 (Dash size).



SAE O-Ring boss (adj.) 37° flare
Part no. 2062 (Dash size)
(Ref. SAE 070220)

Dash Size			
4-4S	8-6S	12-10S	16-16S
4-6S	8-8S	12-12S	16-20S
5-5S	8-10S	12-16S	20-16S
5-6S	10-6S	12-20S	20-20S
6-4S	10-8S	14-16S	20-24S
6-6S	10-10S	16-8S	24-20S
6-8S	10-12S	16-12S	24-24S
8-5S	12-8S		

NOTE: Available without O-Ring. Order by Part no. 2062-1 (Dash size).



SAE O-Ring boss (adj.) 37° flare
Part no. 206209 (Dash size)

Dash Size			
4-4S	8-8S	10-10S	16-16S
6-6S	8-10S	12-12S	20-20S

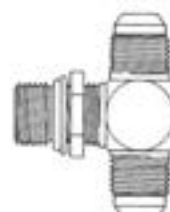
NOTE: Available without O-Ring. Order by Part no. 206209-1 (dash size).



SAE O-Ring boss (adj.) 37° flare
Part no. 203005 (Dash size)
(Ref. SAE 070428)

Dash Size		
4-4S	8-8S	12-16-16S
5-5S	10-10S	16-16S
6-4-4S	12-12S	20-20S
6-6S		

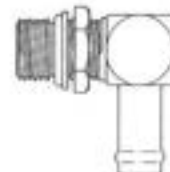
NOTE: Available without O-Ring. Order by Part no. 203005-1 (Dash size).



SAE O-Ring boss (adj.) 37° flare
Part no. 203003 (Dash size)
(Ref. SAE 070429)

Dash Size		
4-4S	10-10S	16-10-10S
5-5S	10-12-12S	16-16S
6-6S	12-12S	20-20S
8-8S		

NOTE: Available without O-Ring. Order by Part no. 203003-1 (Dash size).



SAE O-Ring boss (adj.) hose connector
Part no. FF1167 (Dash size)

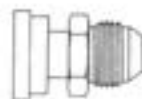
Dash Size			
1010S	1212S	1220S	2020S

NOTE: Available without O-Ring. Order by Part no. FF1167-1 (Dash size). Clamp required.

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Hose Adapters & Tube Fittings

S.A.E. Split Flange To 37° Flare



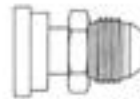
Split flange/37° flare
SAE standard pressure series (Code 61)
(mates with 449-74446 flanges
suitable for pressures thru
4 light spiral hose — SAE 100R9)
Part no. 500025 (Dash size)

Dash Size			
8S	16-12S	20S	32-16S
12S	16S	24S	32-20S
12-8S	20-16S	24-16S	32-24S
16-10S	20-24S	24-20S	32S



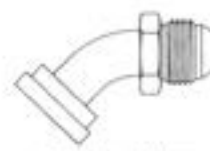
Split flange/37° flare
SAE standard pressure series (Code 61)
(mates with 449-74446 flange
suitable for pressures thru
4 heavy spiral hose — SAE 100R10)
Part no. FF5239 (Dash size)

Dash Size			
1212S	2020S	2424S	3232S
1616S			



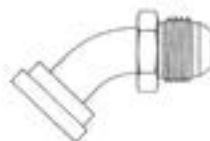
Split flange/37° flare
SAE high pressure series (Code 62)
(mates with FC3425 — size 449 flanges
suitable for pressures thru
6 spiral hose — SAE 100R11)
Part no. FF5541 (Dash size)

Dash Size			
1212S	2016S	2416S	2424S
1616S	2020S	2420S	



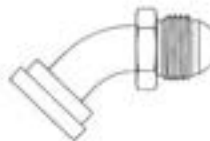
Split flange/37° flare
SAE standard pressure series (Code 61)
(mates with 449-74446 flange
suitable for pressures thru
4 light spiral hose — SAE 100R9)
Part no. 500023 (Dash size)

Dash Size			
8S	1612S	20S	24-32S
12-8S	16S	24-16S	32S
12S	20-12S	24-20S	40-24S
16-10S	20-16S	24S	40S



Split flange/37° flare
SAE standard pressure series (Code 61)
(mates with 449-74446 flanges
suitable for pressures thru
4 heavy spiral hose — SAE 100R10)
Part no. FF5238 (Dash size)

Dash Size			
1212S	1620S	2420S	3232S
1616S	2020S	2424S	



Split flange/37° flare
SAE high pressure series (Code 62)
(mates with FC3425 — size 449 flanges
suitable for pressures thru
6 spiral hose — SAE 100R11)
Part no. FF5539 (Dash size)

Dash Size			
1612S	2020S	2420S	
1616S	2416S	2424S	



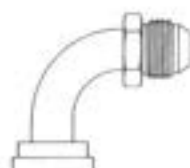
Split flange/37° flare
SAE standard pressure series (Code 61)
(mates with 449-74446 flanges
suitable for pressures thru
4 light spiral hose — SAE 100R9)
Part no. 500024 (Dash size)

Dash Size			
8S	12-8S	20-24S	32-24S
12S	12-10S	24-16S	32S
16-10S	20-12S	24S	40-24S
16-12S	20-16S	24-20S	40-40S
16S	20S		



Split flange/37° flare
SAE standard pressure series (Code 61)
(mates with 449-74446 flanges
suitable for pressures thru
4 heavy spiral hose — SAE 100R10)
Part no. FF5162 (Dash size)

Dash Size			
0808S	1616S	2020S	3232S
1212S	1620S	2420S	
1612S	2016S	2424S	



Split flange/37° flare
SAE high pressure series (Code 62)
(mates with FC3425 — size 449 flanges
suitable for pressures thru
6 spiral hose — SAE 100R11)
Part no. FF5540 (Dash size)

Dash Size			
1612S	2020S	2420S	
1616S	2416S	2424S	
2016S			

Braze & Weld To 37° Flare



Braze port/37° flare
Part no. 73014 (Dash size)

Dash Size			
4S	10-16S	16-20S	24-32S
5S	12-10S	20S	32S
6S	12S	20-16S	40S
8-6S	14S	24-16S	
8S	16S	24S	
10S	16-12S	24-20S	



Braze port/37° flare
Part no. FF1131 (Dash size)

Dash Size			
0404S	1010S	1616S	2424S
0808S	1212S	2020S	



Weld port/37° flare
Part no. 202232 (Dash size)

Dash Size		
1/8-8S	1/8-12S	1-20S



Hose Adapters & Tube Fittings S.A.E. Split Flange To S.A.E. Split Flange



SAE swivel flange/Split flange
SAE standard pressure series (Code 61)
(suitable for pressures thru
4 light spiral hose — SAE 100R9)
Part no. 504089-(Dash size)

Dash Size				
16S	20S	24S	32S	40S



SAE Swivel flange/Split flange (welded)
SAE standard pressure series (Code 61)
(suitable for pressures thru
4 heavy spiral hose — SAE 100R10)
Part no. FF5321-(Dash size)

Dash Size				
1616S	2020S	2424S	3232S	



4-Hole Flange* — S.A.E. J518c Code 61
standard series
Part no. FC2119-(Dash size)

Dash Size			
12-107	20-107	32-107	
16-107	24-107	40-107	

*Available without threaded holes, Part No.
FC3459-size-448



Split Flange Half
S.A.E. J518c Code 61
standard series 2 required
Part no. 449-74446-(Dash size)

Dash Size		
-8	-20	-32
-12	-24	-40
-16		



Split Flange Half
Equivalent performance
to S.A.E. J518c Code 61
Powdered metal, 2 required
Part no. FC2713-(Dash size)

Dash Size		
-16	-20	-24



Split Flange Half
S.A.E. J518c Code 62
High pressure 6000 psi series
2 required
Part no. FC3425-(Dash size)

Dash Size			
12-217	20-217	24-217	32-217
16-217			

Braze & Weld To Split Flange



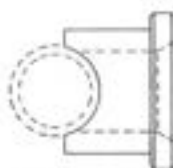
Braze/Solid Flanged Head
SAE standard pressure series (Code 61)
Used with FC2119 flange
Part no. 71418-(Dash size)

Dash Size			
12-12S	16-20S	20-24S	32-32S
16-12S	20-16S	24-20S	40-40S
16-16S	20-20S	24-24S	



Braze/(Flanged head)
SAE standard pressure series (Code 61)
Used with FC2119 flange
Part no. 4624-(Dash size)

Dash Size			
8-6S	16-10S	20-24S	32-16S
8S	16-12S	20S	32-20S
12-8S	16-20S	24-12S	32-24S
12-10S	16S	24-16S	32S
12-16S	20-12S	24-20S	40-32S
12S	20-16S	24S	



Saddle weld (pipe)
/Solid flanged head
SAE standard pressure series (Code 61)
Used with FC2119 flange
Part no. 71422-(Dash size)

Dash Size			
16-16S	20-20S	24-24S	24-32S



4-Hole Flange* — S.A.E. J518c Code 61
FC2119-(Dash size)
Standard series

Dash Size			
12-107	20-107	32-107	
16-107	24-107	40-107	

*Available without threaded holes Part No.
FC3459-size-448



Weld (tank pilot)/Solid flanged head
SAE standard pressure series (Code 61)
Used with FC2119 flange
Part no. 71423-(Dash size)

Dash Size			
12S	16S	20S	24S 32S



Buttweld (pipe)
/Solid flanged head
SAE standard pressure series (Code 61)
Used with FC2119 flange
Part no. 71416-(Dash size)

Dash Size				
16S	20S	24S	32S	40S

Hose Adapters & Tube Fittings

Versil-Flare™ Flare And Flareless



Versil-Flare™ Flareless Tube Nut
Part no. FC2875-(Dash size)
Use with FF9605-(Dash size)
Ferrule Only

Dash Size			
03S	06S	12S	24S
04S	08S	16S	32S
05S	10S	20S	



Versil-Flare™ Flareless Tube Ferrule
Part no. FF9605-(Dash size)
Use with FC2875-(Dash size) Nut Only

Dash Size			
03S	06S	10S	16S
04S	08S	12S	20S
05S			32S



Versil-Flare™ SAE 37° Flared Style "B"
Nut
Part no. 1290-(Dash size)
(Ref. SAE 070110)
For use with 900605 tube sleeve only

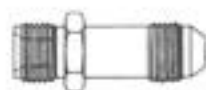
Dash Size			
3S	6S	12S	20S
4S	8S	14S	24S
5S	10S	16S	32S



Versil-Flare™ SAE 37° Flared Sleeve
Part no. 900605-(Dash size)
(Ref. SAE 070115)
For use with 1290 short nut only

Dash Size			
3S	6S	12S	20S
4S	8S	14S	24S
5S	10S	16S	32S

Specials



30° inverted flare/37° flare
Part no. FF1353-(Dash size)
Part no. FF1354-(Dash size)

Dash Size	
0404S	0404S



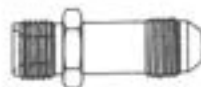
42° inverted flare/45° flare
Part no. 200001-(Dash size)

Dash Size			
4-4B	5-5B	7-6B	10-10B
4-5B	5-6B	7-8B	12-12B
4-6B	6-5B	8-6B	
5-4B	6-6B	8-8B	



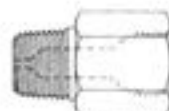
External pipe/30° flare
Part no. 2004-(Dash size)

Dash Size		
12-16S	16-16S	20-20S



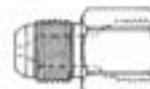
42° inverted flare/37° flare
Part no. 202124-(Dash size)
Part no. FF1327-(Dash size)

Dash Size		
3-3S	0305S	0405S
3-4S	4-4S	0404S
0304S	0404S	5-4S



Restrictor
Male pipe/female pipe
Part no. FF1980-(Dash size)

Dash Size		
0404	0606	0808

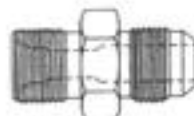


Restrictor
37° male flare/37° female
Part no. FF1981-(Dash size)

Dash Size		
0404	0606	0808

(Ordering Information) Restrictor Adapter parts are available in dash sizes from 06 to 25 inches. When ordering restrictor adapters, it is important to indicate the dash size required. For example for a 125 dash size in a FF1980-0404 adapter, order as FF1980-125-0404 if you indicate the desired dash size in inches, the appropriate 3 digit number will be assigned.

BSPP Thread



BSPP (parallel)/37° flare
Part no. 2063-(Dash size)

Dash Size			
2-4S	4-6S	8-8S	12-10S
4-4S	6-6S	8-10S	12-12S
4-5S	6-8S	10-12S	16-16S

Note: The BSPP male and males with a BSPP female swivel nut. Use GG106 conversion adapters for port connections.



Straight adapter
SAE 37° male/BSPP male
GG106-NP-(Dash size)

Dash Size			
04-02	06-06	08-12	12-16
04-04	06-08	10-06	16-12
04-06	08-04	10-08	16-16
04-08	08-06	12-08	16-20
06-04	08-08	12-12	20-20



90° adjustable elbow
SAE 37° male/BSPP male
GG306-NP-(Dash size)

Dash Size			
04-02	06-04	08-06	12-12
04-04	06-06	08-08	16-16
05-04	06-08	10-08	20-20

Hose Adapters & Tube Fittings Metric Thread



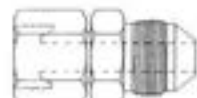
Metric 24"
(DIN 3901/3902 1 RH/37" flare)
Part no. 15.063-(Dash size)

Dash Size		
6-4	15-10	28-20
8-6	18-12	35-24
10-8	22-16	42-32
12-8		



Metric 24"
(DIN 3901/3902 s RH/37" flare)
Part no. 15.147-(Dash size)

Dash Size			
6-6	14-10	20-16	30-24
10-8	16-12	25-20	38-32



Metric 24 (DIN 3901/3902 s RH/
37" flare)
Part no. 15.164-(Dash size)

Dash Size			
6-6	14-10	20-16	30-24
10-8	16-12	25-20	38-32



Metric 24
(DIN 3901/3902 1 RH/37" flare)
Part no. 15.163-(Dash size)

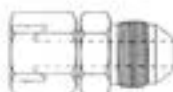
Dash Size			
4-4	8-8	16-12	35-24
6-6	10-8	22-16	42-32
8-6	13-10	28-20	

15.163-63 (DIN 3901/3902)



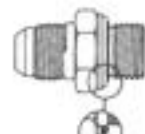
Metric 60" (DIN 7631/37" flare)
Part no. 15.117-(Dash size)

Dash Size			
4-4	8-8	16-12	32-24
6-6	10-8	20-16	40-32
8-6	13-10	25-20	



Metric 60 (DIN 7631/7647/37" flare)
Part no. 15.165-(Dash size)

Dash Size			
20-16	25-20	32-24	40-32



Straight Adapter SAE 37"
(JIC) male/metric male
GG108-NP-(Dash size)

Dash Size			
04-10	06-16	10-20	16-33
04-12	08-16	10-22	20-42
05-10	08-18	12-22	
06-14	10-18	12-27	



90° adjustable elbow SAE 37"
male/metric male
GG308-NP-(Dash size)

Dash Size			
04-10	08-16	10-20	12-27
04-12	08-18	10-22	16-33
06-16	10-18	12-22	

BSPT Thread



Straight adapter
SAE 37" male/BSPT male
GG110-NP-(Dash size)

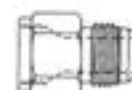
Dash Size			
04-02	06-06	10-08	12-16
04-04	08-06	12-08	16-12
06-04	08-08	12-12	16-16



90° elbow
SAE 37" male/BSPT male
GG310-NP-(Dash size)

Dash Size		
04-02	06-06	08-08
04-04	06-08	12-12
06-04	08-06	16-16

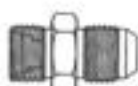
JIS 30° Thread



Female cone seat
JIS 30° female cone seat/SAE 37" male
Part no. FF2593-(Dash size)

Dash Size			
0404S	0406S	0808S	1212S

S.A.E. Flareless To 37° Union



Male SAE flareless/37" flare
Part no. FF1315-(Dash size)

Dash Size			
0404S	0806S	1010S	1616S
0604S	0808S	1212S	
0606S	1008S	1412S	



Flareless tube nut
Part no. 210294-(Dash size)
Use with FF1315-(Dash size)
Body Only

Dash Size			
4S	8S	12S	16S
6S	10S	14S	



Female—Style A"
(for flareless tube fittings)
Part no. FF9173-(Dash size)
Use with FF1315-(Dash size)
Body Only

Dash Size			
04S	08S	12S	16S
06S	10S	14S	

*NOTE: All three components (adapter FF1315, tube nut 210294 and female FF9173) required for assembly. Order by Part Number FF1316 (Dash size) for complete assembly.



Aeroquip Hose Accessories

Protective coils, sleeves & clamps

900729

Support clamp



These light weight vinyl-coated steel support clamps are designed to support hose where long runs are necessary.

This clamp not only furnishes a cleaner installation, but prevents damage, exposure and chafing.

The lining will withstand high ambient temperatures.

Bolt hole dia: Clamp dash no. -01 thru -8, -18 thru -23 is .406; -9 thru -17, -24 thru -31 is .531.

Clamp Dash No.	Clamp I.D. (inches) Closed
-18	.25
-19	.38
-01	.44
-1	.50
-2	.56
-21	.63
-3	.69
-4	.75
-5	.81
-6	.94
-23	1.00
-8	1.06
-9	1.13
-27	1.19
-24	1.25
-25	1.31
-10	1.50
-11	1.56
-12	1.75
-28	1.81
-13	2.00
-29	2.06
-14	2.25
-30	2.50
-31	2.63
-15	2.75
-16	2.88
-17	3.56

222005, 222022

Stainless steel internal support coils



Recommended for vacuum service with most hose.

Part Number	Coil O.D. (inches)
222005-23C	.34
222005-10C	.42
222005-21C	.51
222005-11C	.60
222022-12C	.70
222005-13C	.73
222005-14C	.94
222022-16C	.97
222005-15C	1.19
222022-20C	1.25
222005-17C	1.44
222022-24C	1.50
222005-18C	1.88
222022-32C	1.97
222005-19C	2.44
222022-40C	2.67
222022-48C	3.27
222022-60C	4.28
222022-80C	5.28

900705

Steel protective coil sleeve



Recommended for use where hose lines are subjected to excessive abrasion, kinking or accidental damage. Construction: spring steel, rust resistant.

This coil should fit snugly to the hose O.D. expanding the coil I.D. (unwind the coil) may be necessary for proper installation.

Sleeve Dash No.	Sleeve I.D. (inches)
-17S	.44
-1S	.50
-13S	.57
-2S	.63
-3S	.75
-4S	.88
-6S	1.03
-14S	1.13
-6S	1.22
-7S	1.47
-9S	1.69
-8S	1.91
-15S	2.00
-10S	2.13
-18S	2.44
-11S	2.56
-12S	2.75

900952

Plastic protective coil sleeve



Recommended to protect hose from abrasion, this light weight plastic sleeve is unaffected by air, water, oil, gasoline, hydraulic and most other fluids. This coil can also be used for group bundling of hose lines. Temperature range of 0°F to +180°F.

Sleeve Dash No.	Sleeve I.D. (inches)
-4	.25
-6	.38
-8	.50
-10	.63
-12	.75
-16	1.00
-22	1.38
-30	1.88

900564

Steel protective coil spring



Protects hose cover and reinforcement from abrasion and accidental damage. Construction: steel wire, rust resistant.

This coil should fit snugly to the hose O.D. expanding the coil I.D. (unwind the coil) may be necessary for proper installation.

Spring Dash No.	Spring I.D. (inches)
-1S	.61
-12S	.67
-2S	.75
-15S	.81
-14S	.85
-3S	.91
-4S	1.04
-5S	1.18
-6S	1.34
-7S	1.66
-9S	1.87
-8S	2.13
-10S	2.38
-13S	2.75
-11S	2.88

FF9217 Firesleeve clamp



Recommended for attaching 624 Firesleeve to hose lines.

Clamp numbers: FF9217-0622S, FF9217-0648S; 1/4 inch wide, FF9217-0664C; 1/2 inch wide.



Aeroquip Hose Accessories

Accessories

624 Firesleeve



Firesleeve will protect hose from direct flame. Firesleeve is constructed of a uniform single layer of braided fiberglass tubing impregnated with flame resistant silicone rubber.

Part Number	I.D. (inches)	Clamp Number (2 required)
624-5	.31	FF9217-0622S
624-7	.44	FF9217-0622S
624-8	.50	FF9217-0622S
624-9	.56	FF9217-0622S
624-10	.62	FF9217-0622S
624-11	.69	FF9217-0622S
624-12	.75	FF9217-0622S
624-13	.81	FF9217-0622S
624-14	.88	FF9217-0622S
624-16	1.00	FF9217-0622S
624-18	1.12	FF9217-0622S
624-20	1.25	FF9217-0648S
624-22	1.38	FF9217-0648S
624-24	1.50	FF9217-0648S
624-26	1.62	FF9217-0648S
624-28	1.75	FF9217-0648S
624-30	1.88	FF9217-0648S
624-32	2.00	FF9217-0648S
624-38	2.38	FF9217-0648S
624-42	2.62	FF9217-0648S
624-46	2.88	FF9217-0664S
624-50	3.12	FF9217-0664S
624-54	3.38	FF9217-0664S
624-60	3.75	FF9217-0664S

23055* Dust plug & cap



These flexible, plastic cap-plugs can be used for male or female ends on fittings, valves, hydraulic components, etc. They protect the threads and seal out dust and other foreign matter during storage and shipment.

*Specify fitting part number and size.

FC425 Nylon abrasion sleeve Meets MSHA requirements



Nylon sleeve protects hose from abrasion and allows bundling of hose lines.

Part Number	Nominal Sleeve I.D.* "B" (inches)
FC425-12	.71
FC425-15	.92
FC425-16	1.00
FC425-18	1.13
FC425-20	1.25
FC425-24	1.59
FC425-28	1.75
FC425-32	2.07
FC425-38	2.38
FC425-40	2.54
FC425-46	2.86
FC425-54	3.34
FC425-59	3.66

*The maximum O.D. of hose fittings must be allowed for if fittings are to be covered.

Kits

SOCKETLESS Fittings & hose kit 5144



The Aeroquip 5144 SOCKETLESS Fitting and Hose Kit provides a low cost, complete and compact hose line inventory. It contains bulk hose as well as the most common fittings and adapters to assure immediate replacement of hose lines.

Kit Part Number 5144

Quantity

Bulk Hose		
2556-4	24 ft.	
2556-6	24 ft.	
Reusable Fittings		
4738-2-4B	8	
4738-4-4B	5	
4738-4-6B	8	
4797-4B	8	
4797-5-4B	5	
4739-6B	5	
4740-3-4B	3	
4740-4B	5	
4740-5-4B	5	
4740-6B	3	
4742-4B	5	
4742-5-4B	5	
4742-6B	3	
4743-3-4B	3	
4743-4B	3	
4743-5-4B	5	
4743-6B	3	
Adapters		
2000-2-4B	3	
2003-2-4B	3	
2081-4-2S	5	



Aeroquip Hose Accessories

Kits

Compressor discharge line replacement kit FF288



The Aeroquip FF288 Compressor Discharge Line Replacement Kit can be used to make Teflon Hose lines.

The lines can be used directly from the compressor or they can be used from copper tubing to wet tank.

Kit Part Number FF288	Quantity	
Bulk Teflon Hose 2807-8 2807-10	10 ft. 15 ft.	
Reusable Fittings 63-190990-8 63-190990-10	6 10	
38-191074-8 38-191074-10	4 4	
190718-10-8S	2	
190742-10S	4	
Tool FT1038A	1	

Air compressor discharge hose assembly kit FF11267-01



The kit contains an assortment of 15 hose assemblies in various configurations. A handsome display rack (FF90237) bearing the Aeroquip name on the front is also included.

Part Number	Qty/Kit	End 1	End 2	Length (inches)
FK2446JJ0240	4	5/8" ST	5/8" CAB	24
FK2446JJ0300	2	5/8" ST	5/8" CAB	30
FK2446JJ0360	1	5/8" ST	5/8" CAB	36
FK2446JJ0480	1	5/8" ST	5/8" CAB	48
FK2446KK0240	1	3/4" ST	3/4" CAB	24
FK2446KK0300	1	3/4" ST	3/4" CAB	30
FK2446KK0360	1	3/4" ST	3/4" CAB	36
FK2446KK0480	1	3/4" ST	3/4" CAB	48
FK2445JJ0240	1	5/8" ST	5/8" ST	24
FK2445JJ0360	1	5/8" ST	5/8" ST	36
FK2445KK0240	1	3/4" ST	5/8" ST	24
FK2445KK0360	1	3/4" ST	5/8" ST	36
FK1960JJ0240	1	5/8" FS	5/8" FS	24
FK1960JJ0360	1	5/8" FS	5/8" FS	36
FK1960JJ0520	1	5/8" FS	5/8" FS	52

ST = Straight Tube
CAB = Compression Air Brake Body
FS = 45 Degree Female Swivel

Optional Accessories (for connecting straight tube 5/8", 3/4")

Nut	221028-10B	221028-12B
Sleeve	900702-10B	900702-12B



Aeroquip Assembly Equipment



F2015 SOCKETLESS® fitting bench mounted assembly machine

Hose Specifications

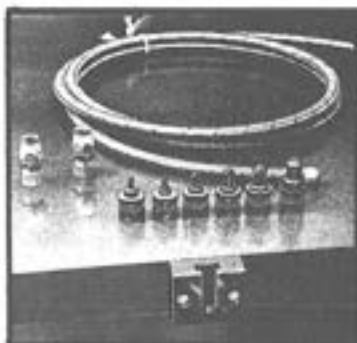
- SOCKETLESS® hose, all sizes

Ordering Instructions

F2015 Complete machine

Features

- Fast, hand assembly
- Bench mounted
- Hose is securely held
- Mandrels included



FT1081 PTFE hose assembly tool kit

Hose Specifications

Smooth Bore Teflon Hose, -03, -04, -05, -06, -08, -10 and -12 hose. FT1090-3-10-4 and FT1090-3-10-5 are useful wire flare tools to use in conjunction with kit FT1081.

Features

- Inexpensive
- Easy to use
- Seats PTFE tube against sleeve

Ordering Instructions

FT1081 Complete tool kit.

Includes:

FT1081-3-1 mandrel holder
FT1081-3-2-3 mandrel -3 hose
FT1081-3-2-4 mandrel -4 hose
FT1081-3-3-5 mandrel -5 hose
FT1081-3-4-6 mandrel -6 hose
FT1081-3-5-8 mandrel -8 hose
FT1081-3-6-10 mandrel -10 hose
FT1081-3-7-12 mandrel -12 hose



FT1038A PTFE hose tool

Hose Specifications

- Smooth bore PTFE Hose, -03, -04, -05, -06, -08, -10 and -12

Features

- Small
- Hand held tool



FF90311

Heavy Duty Hose Support Clamps

These heavy duty weld-based clamps are designed to securely hold hose in applications subject to pulsing, flexing and vibrating conditions. The clamps help prevent abrasion and extend hose life through proper routing. Clamps are rated to ambient temperature of +250°F. See bulletin JA776 for detailed clamp to hose part number reference.



High Performance Auto & Marine Products

Series RS

FUEL PRESSURE GAUGE

PART NO	DIAMETER	INLET SIZE
1010 114PS	1 1/2"	1/8" x NPT
1012 100PS	1 1/2"	1/8" x NPT



JIC MALE TO METRIC MALE

305



307



306



BAIR SIZE	JIC THREAD	METRIC THREAD	305	307	306
40-03	3/16 x 24	10 x 1.00			
40-05C	3/16 x 24	10 x 1.25			
40-07C	3/16 x 24	8 x 1.00			
40-10	3/16 x 24	8 x 1.25			
40-12P	3/16 x 24	10 x 1.00			
40-12P	3/16 x 24	10 x 1.25			
40-12P	3/16 x 24	12 x 1.25			
40-12P	3/16 x 24	12 x 1.50			
40-12P	3/16 x 24	14 x 1.50			
40-12P	3/16 x 24	16 x 1.50			
40-12P	3/16 x 24	18 x 1.50			
40-12P	3/16 x 24	20 x 1.50			
40-12P	3/16 x 24	22 x 1.50			
40-12P	3/16 x 24	24 x 1.50			
40-12P	3/16 x 24	26 x 1.50			
40-12P	3/16 x 24	28 x 1.50			
40-12P	3/16 x 24	30 x 1.50			
40-12P	3/16 x 24	32 x 1.50			
40-12P	3/16 x 24	34 x 1.50			
40-12P	3/16 x 24	36 x 1.50			
40-12P	3/16 x 24	38 x 1.50			
40-12P	3/16 x 24	40 x 1.50			
40-12P	3/16 x 24	42 x 1.50			
40-12P	3/16 x 24	44 x 1.50			
40-12P	3/16 x 24	46 x 1.50			
40-12P	3/16 x 24	48 x 1.50			
40-12P	3/16 x 24	50 x 1.50			
40-12P	3/16 x 24	52 x 1.50			
40-12P	3/16 x 24	54 x 1.50			
40-12P	3/16 x 24	56 x 1.50			
40-12P	3/16 x 24	58 x 1.50			
40-12P	3/16 x 24	60 x 1.50			
40-12P	3/16 x 24	62 x 1.50			
40-12P	3/16 x 24	64 x 1.50			
40-12P	3/16 x 24	66 x 1.50			
40-12P	3/16 x 24	68 x 1.50			
40-12P	3/16 x 24	70 x 1.50			
40-12P	3/16 x 24	72 x 1.50			
40-12P	3/16 x 24	74 x 1.50			
40-12P	3/16 x 24	76 x 1.50			
40-12P	3/16 x 24	78 x 1.50			
40-12P	3/16 x 24	80 x 1.50			
40-12P	3/16 x 24	82 x 1.50			
40-12P	3/16 x 24	84 x 1.50			
40-12P	3/16 x 24	86 x 1.50			
40-12P	3/16 x 24	88 x 1.50			
40-12P	3/16 x 24	90 x 1.50			
40-12P	3/16 x 24	92 x 1.50			
40-12P	3/16 x 24	94 x 1.50			
40-12P	3/16 x 24	96 x 1.50			
40-12P	3/16 x 24	98 x 1.50			
40-12P	3/16 x 24	100 x 1.50			

PART NO
CA-3
CA-4
CA-903
CA-904

FITTING SIZE

Male-3AN to Female 1/8" x NPT
Male-4AN to Female 1/8" x NPT
Male-3AN to 90°Female 1/8" x NPT
Male-4AN to 90°Female 1/8" x NPT

HOSE SEPARATORS



PART NO	TO SUIT HOSE	COLOR
PHS-03RD	400-01	BLUE
PHS-03RD	400-01	RED
PHS-06RD	200-06	BLUE
PHS-06RD	200-06	RED
PHS-08RD	200-08	BLUE
PHS-08RD	200-08	RED

AIRCRAFT QUALITY STAINLESS STEEL HOSE CLIPS



PART NO	INSIDE DIAMETER (IN) MIN-MAX
PWVG-01	3/16 - 5/8
PWVG-01	5/16 - 7/8
PWVG-04	3/16 - 1 1/4
PWVG-05	11/16 - 1 1/2
PWVG-06	7/8 - 1 1/2
PWVG-08	1 1/4 - 2 1/4
PWVG-10	2 1/4 - 2 1/2
PWVG-12	2 1/4 - 2 1/2

CARBURETOR & FUEL FITTINGS

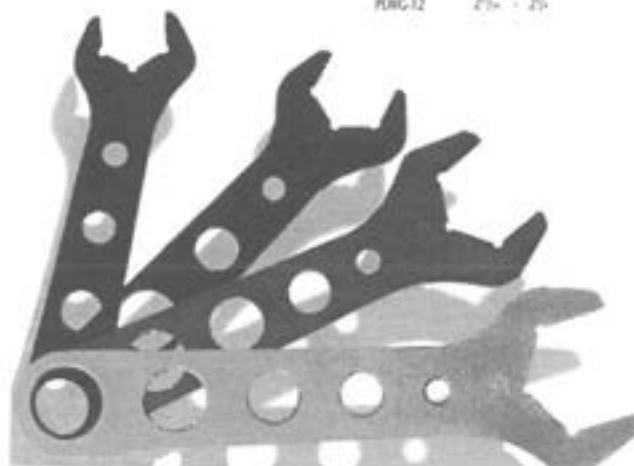


PART NO	CARBURETOR	CARBURETOR THREAD	HOSE FITTING SIZE
CAR206	Dual Feed Holley	7/8 x 20	-6
CAR246	Single Feed Holley	9/16 x 24	-6
CAR208	Dual Feed Holley	7/8 x 20	-8
CAR1213	Weber	12mm x 1.50	-6
CAR1820	Carter	5/8 x 20	-6
FR206	Fuel Pump Fitting	1/2 x 20	-6
FR186	Fuel Pump Fitting	5/8 x 18	-6
FR192	Pressure Gauge	1/8 x NPT	-6
FR195	Pressure Gauge	1/8 x NPT	-6

ALUMINUM WRENCHES

Hard anodized and color coded in size, these Aluminum Wrenches are specifically designed for use with alloy hose ends and adaptors. Their short handles allow us in tight spots and discourage over tightening. The 3/8" wide jaws reduce the possibility of fitting damage.

PART NO	HEX SIZE (IN)	SUITE FITTING SIZE	COLOR
AW760-06	1/4"	-06	Black
AW760-08	7/16	-08	Blue
AW760-10	1"	-10	Red
AW760-12	1 1/4"	-12	Purple
AW760-14	1 1/2"	-14	Yellow
AW760-20	2"	-20	Orange
AW760-SET	ALL	Complete Set	





High Performance Auto & Marine Products

JIC/UNF BANJO BOLTS

PART NO.	HOLE SIZE	THREAD	MATERIAL
733-01	3/8, 10mm	3/8 x 24	R, CH, C, D
733-02*	3/8, 10mm	3/8 x 24	R, CH, C, D
733-04-01	7/16, 12mm	7/16 x 24	F
733-04	7/16, 12mm	7/16 x 24	R, CH, C, D
733-04*	7/16, 12mm	7/16 x 24	R, C, D

METRIC BANJO BOLTS

PART NO.	HOLE SIZE	THREAD	MATERIAL
W2-04-0021	12mm	12 x 1.50mm F.D.	
W2-04-0022	12mm	12 x 1.25mm F.D.	
W2-04-002	12mm	12 x 1.50mm D	
W2-04-002	12mm	12 x 1.50mm D	
W2-04-0040	14mm	14 x 1.00mm D	
W2-04-0040	14mm	14 x 1.25mm D	
W2-04-004	14mm	14 x 1.50mm D	

Goodridge offers a full range of adapters with UNF, JIC, metric, BSP and NPT threads to enable most connections to be made for brake, clutch or oil lines. Listed are the most popular fittings, many more available.

Series RS

* (L) LONG BOLTS ARE FOR USE WITH 5091, 5095, 5096 BANJOS

JIC TO JIC EQUAL THREAD



824 MALE TEE
THREAD ALUM. P./N
3/8" x 24 (AN824-010)
7/16" x 20 (AN824-040)
9/16" x 18 (AN824-060)
3/4" x 16 (AN824-080)
7/8" x 14 (AN824-100)
1 1/16" x 12 (AN824-120)
1 1/8" x 12 (AN824-140)



822 MALE BULKHEAD
THREAD ALUM. P./N
3/8" x 24 (AN822-010)
7/16" x 20 (AN822-04-010)
9/16" x 18 (AN822-040)
3/4" x 16 (AN822-060)
7/8" x 14 (AN822-080)
7/8" x 14 (AN822-100)
1 1/16" x 12 (AN822-120)
1 1/8" x 12 (AN822-140)



823 90° MALE BULKHEAD
THREAD ALUM. P./N
3/8" x 24 (AN823-010)
7/16" x 20 (AN823-040)
9/16" x 18 (AN823-060)
3/4" x 16 (AN823-080)
7/8" x 14 (AN823-100)
1 1/16" x 12 (AN823-120)
1 1/8" x 12 (AN823-140)



834 MALE BULKHEAD TEE
THREAD ALUM. P./N
3/8" x 24 (AN834-010)
7/16" x 20 (AN834-040)
9/16" x 18 (AN834-060)
3/4" x 16 (AN834-080)
7/8" x 14 (AN834-100)
1 1/16" x 12 (AN834-120)
1 1/8" x 12 (AN834-140)



806 PLUG
THREAD ALUM. P./N
3/8" x 24 (AN806-010)
7/16" x 20 (AN806-040)
9/16" x 18 (AN806-060)
3/4" x 16 (AN806-080)
7/8" x 14 (AN806-100)
1 1/16" x 12 (AN806-120)
1 1/8" x 12 (AN806-140)



924 NUT
THREAD ALUM. P./N
3/8" x 24 (AN924-010)
7/16" x 20 (AN924-040)
9/16" x 18 (AN924-060)
3/4" x 16 (AN924-080)
7/8" x 14 (AN924-100)
1 1/16" x 12 (AN924-120)
1 1/8" x 12 (AN924-140)



920 CAP
THREAD ALUM. P./N
3/8" x 24 (AN920-010)
7/16" x 20 (AN920-040)
9/16" x 18 (AN920-060)
3/4" x 16 (AN920-080)
7/8" x 14 (AN920-100)
1 1/16" x 12 (AN920-120)
1 1/8" x 12 (AN920-140)



834 O-RING PLUG
THREAD ALUM. P./N
3/8" x 24 (AN834-010)
7/16" x 20 (AN834-040)
9/16" x 18 (AN834-060)
3/4" x 16 (AN834-080)
7/8" x 14 (AN834-100)
1 1/16" x 12 (AN834-120)
1 1/8" x 12 (AN834-140)



818 TUBE NUT
THREAD ALUM. P./N
3/8" x 24 (AN818-010)
7/16" x 20 (AN818-040)
9/16" x 18 (AN818-060)
3/4" x 16 (AN818-080)
7/8" x 14 (AN818-100)
1 1/16" x 12 (AN818-120)
1 1/8" x 12 (AN818-140)



819 TUBE ELBOW
THREAD ALUM. P./N
3/8" x 24 (AN819-010)
7/16" x 20 (AN819-040)
9/16" x 18 (AN819-060)
3/4" x 16 (AN819-080)
7/8" x 14 (AN819-100)
1 1/16" x 12 (AN819-120)
1 1/8" x 12 (AN819-140)

815 MALE UNION
THREAD ALUM. P./N
3/8" x 24 (AN815-010)
7/16" x 20 (AN815-040)
9/16" x 18 (AN815-060)
3/4" x 16 (AN815-080)
7/8" x 14 (AN815-100)
1 1/16" x 12 (AN815-120)
1 1/8" x 12 (AN815-140)



825 MALE UNION
THREAD ALUM. P./N
3/8" x 24 (AN825-010)
7/16" x 20 (AN825-040)
9/16" x 18 (AN825-060)
3/4" x 16 (AN825-080)
7/8" x 14 (AN825-100)
1 1/16" x 12 (AN825-120)
1 1/8" x 12 (AN825-140)



825 JIC TEE TO PIPE ON SIDE
THREAD PIPE ALUM. P./N
3/8" x 24 1/8NPT (AN825-010)
7/16" x 20 1/8NPT (AN825-040)
9/16" x 18 1/8NPT (AN825-060)
3/4" x 16 1/8NPT (AN825-080)
7/8" x 14 1/8NPT (AN825-100)
1 1/16" x 12 1/8NPT (AN825-120)



822 90° JIC TO PIPE
THREAD PIPE ALUM. P./N
3/8" x 24 1/8NPT (AN822-010)
7/16" x 20 1/8NPT (AN822-040)
9/16" x 18 1/8NPT (AN822-060)
3/4" x 16 1/8NPT (AN822-080)
7/8" x 14 1/8NPT (AN822-100)
1 1/16" x 12 1/8NPT (AN822-120)



JIC TO JIC TO PIPE THREAD

814 JIC TO PIPE
THREAD PIPE ALUM. P./N
3/8" x 24 1/8NPT (AN814-010)
7/16" x 20 1/8NPT (AN814-040)
9/16" x 18 1/8NPT (AN814-060)
3/4" x 16 1/8NPT (AN814-080)
7/8" x 14 1/8NPT (AN814-100)
1 1/16" x 12 1/8NPT (AN814-120)



834 JIC TEE TO PIPE ON RUN
THREAD PIPE ALUM. P./N
3/8" x 24 1/8NPT (AN834-010)
7/16" x 20 1/8NPT (AN834-040)
9/16" x 18 1/8NPT (AN834-060)
3/4" x 16 1/8NPT (AN834-080)
7/8" x 14 1/8NPT (AN834-100)
1 1/16" x 12 1/8NPT (AN834-120)

JIC TO JIC UNEQUAL



819 JIC TO JIC MALE-MALE UNEQUAL
DISC. THREAD A THREAD B ALUM. P./N
4-3 7/16" x 20 3/8" x 24 (AN819-04-010)
4-4 9/16" x 18 7/16" x 20 (AN819-04-040)
4-6 3/4" x 16 9/16" x 18 (AN819-04-060)
10-6 7/8" x 14 9/16" x 18 (AN819-10-060)
10-8 7/8" x 14 3/4" x 16 (AN819-10-080)
10-6 1 1/16" x 12 9/16" x 18 (AN819-12-060)
12-6 1 1/8" x 12 3/4" x 16 (AN819-12-060)
12-10 1 1/16" x 12 7/8" x 14 (AN819-12-100)
14-10 1 1/8" x 12 7/8" x 14 (AN819-14-100)
14-12 1 1/8" x 12 1 1/16" x 12 (AN819-14-120)



814 JIC TO JIC FEMALE-MALE UNEQUAL
DISC. THREAD A THREAD B ALUM. P./N
4-3 7/16" x 20 3/8" x 24 (AN814-04-010)
4-4 9/16" x 18 7/16" x 20 (AN814-04-040)
4-6 3/4" x 16 9/16" x 18 (AN814-04-060)
10-6 7/8" x 14 9/16" x 18 (AN814-10-060)
10-8 7/8" x 14 3/4" x 16 (AN814-10-080)
12-6 1 1/16" x 12 9/16" x 18 (AN814-12-060)
12-10 1 1/8" x 12 7/8" x 14 (AN814-12-100)
14-12 1 1/8" x 12 1 1/16" x 12 (AN814-14-120)

COUPLERS



CPL
THREAD ALUM. P./N
3/8" x 24 (CPL-010)
7/16" x 20 (CPL-040)
9/16" x 18 (CPL-060)
3/4" x 16 (CPL-080)
7/8" x 14 (CPL-100)
1 1/16" x 12 (CPL-120)
1 1/8" x 12 (CPL-140)



CPL 824
THREAD ALUM. P./N
3/8" x 24 (CPL-824-010)
7/16" x 20 (CPL-824-040)
9/16" x 18 (CPL-824-060)
3/4" x 16 (CPL-824-080)
7/8" x 14 (CPL-824-100)
1 1/16" x 12 (CPL-824-120)

CPL 826
THREAD ALUM. P./N
3/8" x 24 (CPL-826-010)
7/16" x 20 (CPL-826-040)
9/16" x 18 (CPL-826-060)
3/4" x 16 (CPL-826-080)
7/8" x 14 (CPL-826-100)
1 1/16" x 12 (CPL-826-120)



High Performance Auto & Marine Products

Series RS

HOSE 600

High speed, fast stops and constant rapid gear changes put great strain on competition hydraulic systems, where failure can be disastrous. Our lightweight extremely flexible PTH hose virtually eliminates hose expansion under high pressure and temperature, providing consistent brake and clutch pedal pressure that, eliminating that "spongy" feel. They offer great protection against abrasion and fire, operate in temperatures ranging from -100°F to 450°F and have burst pressures exceeding 12000 p.s.i. These hoses are also recommended for all pressure gauge lines, nitrous oxide system lines, and fire extinguisher systems. Our -2 Microbore is an excellent choice for motorcycle or race applications. -3 and -4 is the choice for brake, clutch, nitrous and extinguisher systems.

BRAKE AND CLUTCH HOSE



HOSE FITTINGS FOR 600 HOSE

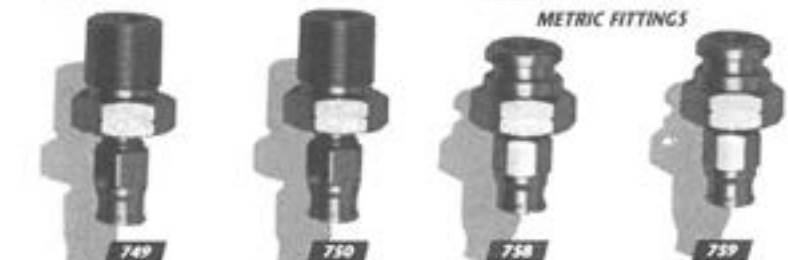
BANJO FITTINGS



JIC/UNF FITTINGS



METRIC FITTINGS



BRAKE ADAPTERS



DESCRIPTION	HOSE SIZE	HOLE SIZE	PART No.
BANJO STRAIGHT	600-01	3/8" 10mm	(5091-03P)
	600-04	7/16"	(5091-04P)
BANJO STRAIGHT EXTENDED NECK	600-03	3/8" 10mm	(5092-03P)
BANJO 20° EXTENDED NECK	600-03	3/8" 10mm	(5093-03P)
BANJO 45° EXTENDED NECK	600-03	3/8" 10mm	(5094-03P)
STRAIGHT TWIN BANJO	600-03	3/8" 10mm	(5095-03P)
90° TWIN BANJO	600-03	3/8" 10mm	(5096-03C)
BANJO 90° 20° EXTENDED NECK	600-03	3/8" 10mm	(5097-03P)

DESCRIPTION	HOSE SIZE	HOLE SIZE	PART No.
STRAIGHT FEMALE	600-03	3/8" x 24	(6001-03P)
45° FORGED FEMALE	600-03	3/8" x 24	(6045-03C)
45° TUBE FEMALE	600-03	3/8" x 24	(6046-03P)
90° FORGED FEMALE	600-03	3/8" x 24	(6090-03C)
90° TUBE FEMALE	600-03	3/8" x 24	(6091-03P)
45° DOUBLE SWIVEL	600-03	3/8" x 24	(6645-03C)
90° DOUBLE SWIVEL	600-03	3/8" x 24	(6690-03C)

DESCRIPTION	HOLE SIZE	PART No.
CONCAVE METRIC SEAT 5/8" EXTERNAL MALE	10 x 1.00mm	(749-03-11P)
	10 x 1.25mm	(749-03-12P)
CONVEX METRIC SEAT 5/8" EXTERNAL MALE	10 x 1.00mm	(750-03-11P)
	10 x 1.25mm	(750-03-12P)
CONCAVE METRIC SEAT	10 x 1.00mm	(758-03-11P)
	10 x 1.25mm	(758-03-12P)
CONVEX METRIC SEAT	10 x 1.00mm	(759-03-11P)
	10 x 1.25mm	(759-03-12P)

DESCRIPTION	THREAD SIZE	PART No.
JIC TO FEMALE JIC	-3 to 3/8" x 24	(60010324-03)
INVERTED FLARE	-4 to 3/8" x 24	(60010324-04)
	-3 to 7/16" x 24	(60010716-03)
	-4 to 7/16" x 24	(60010716-04)

DESCRIPTION	THREAD SIZE	PART No.
JIC TO FEMALE METRIC	-3 to 10mm x 1.0	(6010100-03)
INVERTED FLARE	-4 to 10mm x 1.0	(6010100-04)

DESCRIPTION	THREAD SIZE	PART No.
JIC TO MALE JIC	-3 to 3/8" x 24	(18124-03)
INVERTED FLARE	-4 to 3/8" x 24	(18124-04)
	-3 to 7/16" x 24	(18116-03)
	-4 to 7/16" x 24	(18116-04)

DESCRIPTION	THREAD SIZE	PART No.
JIC TO MALE METRIC	-3 to 10mm x 1.0	(18100-03)
	-4 to 10mm x 1.0	(18100-04)
	-3 to 10mm x 1.25	(18125-03)
	-4 to 10mm x 1.25	(18125-04)

DESCRIPTION	THREAD SIZE	PART No.
JIC/UNF BANJO ADAPTER	5/16" x 24	776-02C
	3/8" x 24	776-03C
	1/2" x 20	776-04-04C
	7/16" x 20	776-04-03P
	7/16" x 20	776-04P

DESCRIPTION	THREAD SIZE	PART No.
BLOCK TEE	3/8" x 24 MALE to 3/8" x 24 CONCAVE	

*ALL THE ABOVE PARTS MAY BE AVAILABLE IN OTHER SIZES AND MATERIALS.



High Performance Auto & Marine Products



200 HOSE



An exclusive hose engineered to demanding Goodridge specification, our seamless synthetic nitrile hose is reinforced with an integral stainless steel braid and then covered with a corrosion and fire resistant outer stainless steel braid. Designed to withstand high working pressures (1000 p.s.i.) and extreme temperature conditions (-50°F to 302°F), yet remain lightweight and flexible compatibility with all fuels, oils, coolants and alcohols (including methanol and nitromethane). Goodridge 200 Hose is a natural choice for Motor Sport applications.

Series RS

CONSTRUCTION: Seamless synthetic nitrile inner tube with partial cover stainless steel braid and full cover corrosion and fire resistant stainless steel cover. Temperature range: -50°F to +302°F.

PART No.

(200-04) (5/16") PER FT.
(200-08) (3/8") PER FT.
(200-10) (1/2") PER FT.
(200-12) (5/8") PER FT.

JIC/UNF ALUMINUM HOSE FITTINGS FOR 200 HOSE (236 SWIVEL) (136 NON SWIVEL)

A comprehensive range of light weight, reusable aluminum hose end fittings available for our 200 Hose. Available in two popular designs, our 236 series has a "rattle" insert and swivels in 360° rotation after installation; our 136 Series has a tapered "single nipple" that is a snap to install and allows for permanent placement on our 200 Hose. These distinctive Red and Blue fittings are hand anodized for longer life and colour retention. Check out our "exclusive" Electroless Nickel plated finish - all the benefits of light weight aluminum with a finish that looks like satin stainless, great for street rods.



236-01
136-01



236-45
136-45



236-90
136-90



236-120
136-120



236-150
136-150



236-180
136-180



336-45



336-90

STRAIGHT

THREAD	PART NO.	PART NO.
4 (9/16")	(236-0106)	(136-0106)
8 (3/4")	(236-0108)	(136-0108)
10 (7/8")	(236-0110)	(136-0110)
12 (1 1/4")	(236-0112)	(136-0112)

120° FEMALE SWEEP TUBE

THREAD	PART NO.	PART NO.
4 (9/16")	(236-12006)	(136-12006)
8 (3/4")	(236-12008)	(136-12008)
10 (7/8")	(236-12010)	(136-12010)
12 (1 1/4")	(236-12012)	(136-12012)

45° FEMALE SWEEP TUBE

THREAD	PART NO.	PART NO.
4 (9/16")	(236-45006)	(136-45006)
8 (3/4")	(236-45008)	(136-45008)
10 (7/8")	(236-45010)	(136-45010)
12 (1 1/4")	(236-45012)	(136-45012)

180° FEMALE SWEEP TUBE

THREAD	PART NO.	PART NO.
4 (9/16")	(236-18006)	(136-18006)
8 (3/4")	(236-18008)	(136-18008)
10 (7/8")	(236-18010)	(136-18010)
12 (1 1/4")	(236-18012)	(136-18012)

90° FEMALE SWEEP TUBE

THREAD	PART NO.	PART NO.
4 (9/16")	(136-90006)	(236-90006)
8 (3/4")	(136-90008)	(236-90008)
10 (7/8")	(136-90010)	(236-90010)
12 (1 1/4")	(136-90012)	(236-90012)

45° FEMALE FORGED ELBOW

THREAD	PART NO.
4 (9/16")	(136-4506)
8 (3/4")	(136-4508)
10 (7/8")	(136-4510)
12 (1 1/4")	(136-4512)

120° FEMALE SWEEP TUBE

THREAD	PART NO.	PART NO.
4 (9/16")	(236-12006)	(136-12006)
8 (3/4")	(236-12008)	(136-12008)
10 (7/8")	(236-12010)	(136-12010)
12 (1 1/4")	(236-12012)	(136-12012)

90° FEMALE FORGED ELBOW

THREAD	PART NO.
4 (9/16")	(136-9006)
8 (3/4")	(136-9008)
10 (7/8")	(136-9010)
12 (1 1/4")	(136-9012)

536 OIL AND FUEL FITTINGS

The design team at Goodridge (UK) have developed a completely unique range of lightweight aluminum push fit hose ends. The bursts on the fittings hold the hose firm on low pressure applications. There is no necessity for a clip to retain the hose. Once assembled with the blue elastomer tube, textile reinforced hose, the hose end has a working pressure of 250 psi, temperature range of -40°F to +302°F and is suitable for any application under the hood currently using rubber lines such as fuel and oil. If the application does not require the superior performance of stainless steel braided hose, 536 hose is an attractive and inexpensive alternative. **Not for use in vacuum applications eg: Dry sump applications.**

CONSTRUCTION: Elastomer tube with textile braid reinforcement and blue elastomer cover. The hose has a high temperature range of -40°F to +302°F. A high quality hose for low pressure applications for use with the range of push fit fittings.

PART No.

(536-06) PER METRE
(536-08) PER METRE
(536-10) PER METRE
(536-12) PER METRE

536 PUSH FIT HOSE



JIC/UNF PUSH FIT HOSE FITTINGS FOR 536 HOSE



SIZE STRAIGHT
4 (9/16") (536-0106)
8 (3/4") (536-0108)
10 (7/8") (536-0110)
12 (1 1/4") (536-0112)



SIZE 45°
4 (9/16") (536-4506)
8 (3/4") (536-4508)
10 (7/8") (536-4510)
12 (1 1/4") (536-4512)



SIZE 90°
4 (9/16") (536-9006)
8 (3/4") (536-9008)
10 (7/8") (536-9010)
12 (1 1/4") (536-9012)



SIZE 120°
4 (9/16") (536-12006)
8 (3/4") (536-12008)
10 (7/8") (536-12010)
12 (1 1/4") (536-12012)



SIZE 180°
4 (9/16") (536-18006)
8 (3/4") (536-18008)
10 (7/8") (536-18010)
12 (1 1/4") (536-18012)

High Performance Auto & Marine Products

Series RS

Elbow fittings feature swivel design *

**CALL FOR
COMPLETE
MANUFACTURERS'
CATALOG**

45° Elbow S.A.E. 37° (JIC/AN) Swivel



Packaged Part Number	Hose & Fitting Dash Size	"D" (in.) Dimension
FCM4022	-06	1.62
FCM4023	-08	1.67
FCM4024	-10	1.73
FCM4025	-12	1.92
FCM4026	-16	2.06
FCM1027	-20	2.02

90° Elbow S.A.E. 37° (JIC/AN) Swivel



Packaged Part Number	Hose & Fitting Dash Size	"D" (in.) Dimension
FCM4032	-06	1.47
FCM4033	-08	1.45
FCM4034	-10	1.56
FCM4035	-12	1.79
FCM4036	-16	1.96
FCM1037	-20	1.95

120° Elbow S.A.E. 37° (JIC/AN) Swivel



Packaged Part Number	Hose & Fitting Dash Size	"D" (in.) Dimension
FCM4042	-06	1.19
FCM4043	-08	1.16
FCM4044	-10	1.23
FCM4045	-12	1.42

150° Elbow S.A.E. 37° (JIC/AN) Swivel



Packaged Part Number	Hose & Fitting Dash Size	"D" (in.) Dimension
FCM4052	-06	.86
FCM4053	-08	.82
FCM4054	-10	.82
FCM4055	-12	.51

180° Elbow S.A.E. 37° (JIC/AN) Swivel



Packaged Part Number	Hose & Fitting Dash Size	"D" (in.) Dimension
FCM4062	-06	.56
FCM4063	-08	.51
FCM4064	-10	.44
FCM4065	-12	.42

"D" dimension is used to determine hose assembly length.

Support Clamps

Vinyl Coated Steel Support Clamps provide security for supporting hose in long runs and critical bends. See hose specifications shown in this catalog for correct hose clamp to match hose size. For other hose types, match clamp I.D. and hose O.D. as close as possible.

Specifications



Packaged Part Number	I.D. (in.)	Number Per Package
FCM481	.25	5
FCM3482	.44	5
FCM3483	.50	5
FCM3484	.56	5
FCM3485	.63	5
FCM3486	.75	5
FCM3487	.81	5
FCM3488	.94	5
FCM2534	1.00	2
FCM2535	1.06	2
FCM2536	1.13	2
FCM2537	1.25	2
FCM2538	1.50	2

Firesleeve

Firesleeve hose flame shield can prevent or delay burning of hose lines. See hose specifications shown in this catalog for correct firesleeve to match hose size. For other hose styles, select firesleeve with an I.D. slightly larger than the hose O.D.

Specifications



Bulk Part Number	I.D. (in.)
FRS0100	.44
FRS0600	.50
FRS0900	.56
FRS1000	.63
FRS1100	.69
FRS1200	.75
FRS1300	.81
FRS1400	.89
FRS1600	1.00
FRS1800	1.12
FRS2000	1.25
FRS2200	1.38
FRS2400	1.50

*Order by the foot. Packaged firesleeve is available in packaged lengths of 3 ft., 6 ft., and 10 ft.



Stainless Steel Tube Fittings

Series SS

O-RING FACE SEAL S-Seal and P-Seal

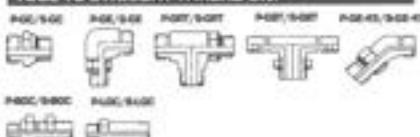


SIZES	1/8" to 2" (6 to 50 mm)
PRESSURES	Up to 5,000 psi (345 bar)
SPECIFICATIONS	SAE 1453 proprietary ISO 8434-2

TUBE TO TUBE



TUBE TO STRAIGHT THREAD UNF



TUBE TO MALE PIPE



TUBE TO FEMALE PIPE



TUBE TO SWIVEL



TUBE TO ISO 6149

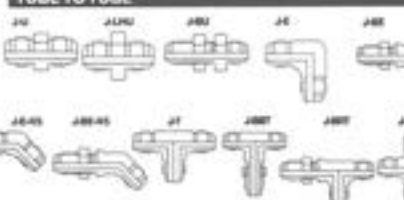


37° FLARED

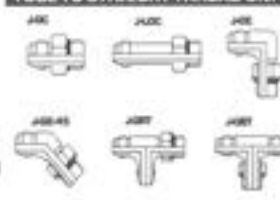


SIZES	1/8" to 2" (6 to 50 mm)
PRESSURES	Up to 5,000 psi (345 bar)
SPECIFICATIONS	SAE J114 proprietary ISO 8434 MS F-1999

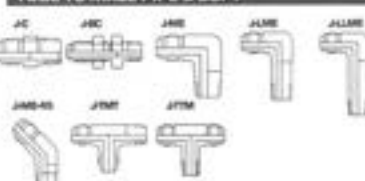
TUBE TO TUBE



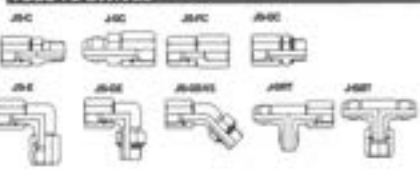
TUBE TO STRAIGHT THREAD UNF & BSPP



TUBE TO MALE PIPE & BSPT



TUBE TO SWIVEL



Available with
Teflon nose
seal. Specify
"G" in front of
Part Number for
"Gasket" Seal.



TUBE TO FEMALE PIPE & BSPP / BSPT

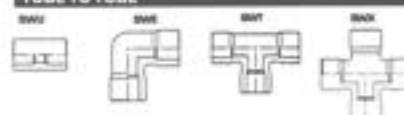


SOCKET WELD

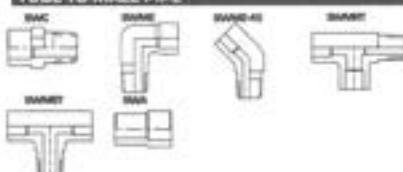


SIZES	1/8" to 2"
PRESSURES	Up to 15,000 psi (1,034 bar)
SPECIFICATIONS	ANSI B31.1, B31.7

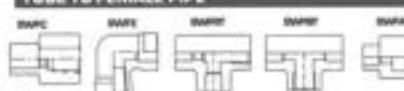
TUBE TO TUBE



TUBE TO MALE PIPE



TUBE TO FEMALE PIPE





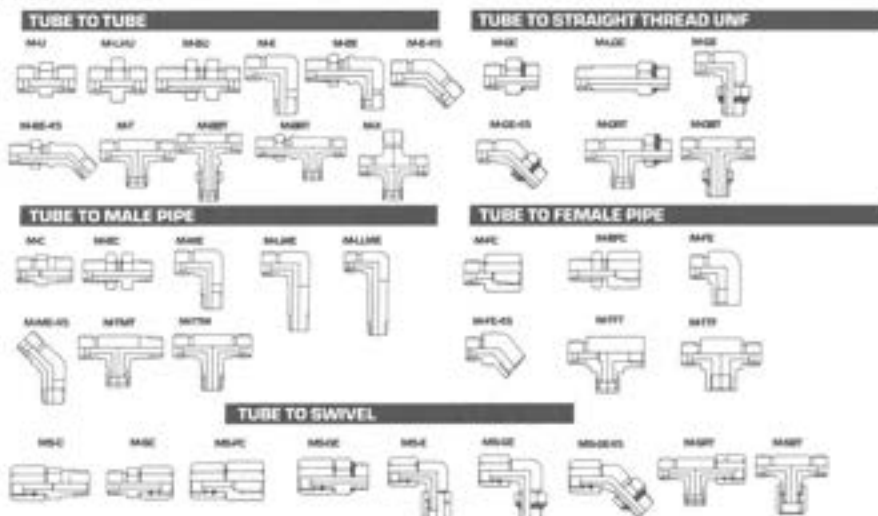
Stainless Steel Tube & Adapter Fittings

Series SS

FLARELESS BITE TYPE



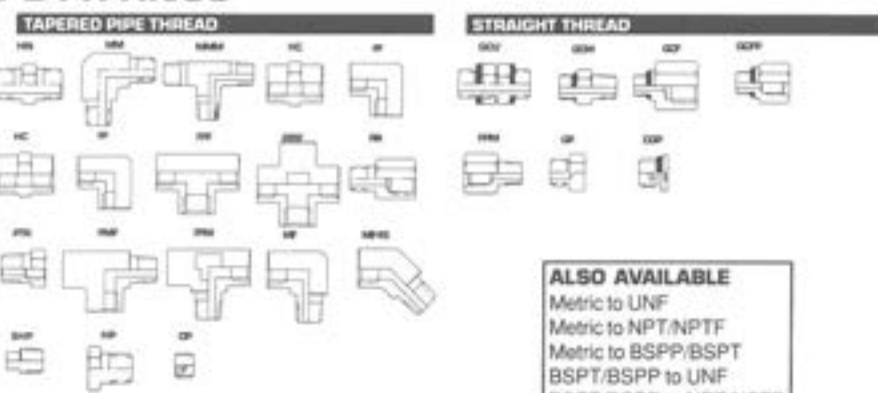
SIZES	1/8" to 2"
PRESSURES	Up to 5,000 psi (345 bar)
SPECIFICATIONS	SAE J214 MIL-F-18800



PRECISION PIPE FITTINGS



SIZES	1/8" to 2"
PRESSURES	Up to 5,000 psi (345 bar)
SPECIFICATIONS	SAE J214

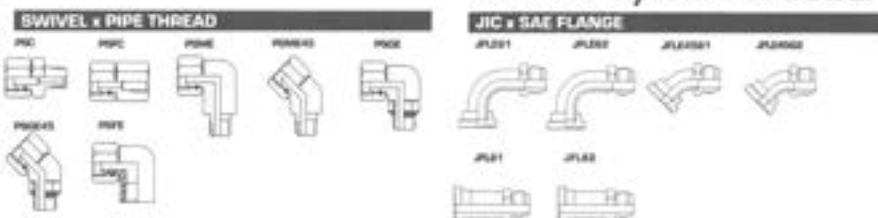


ALSO AVAILABLE
Metric to UNF
Metric to NPT/NPTF
Metric to BSPP/BSPT
BSPT/BSPP to UNF
BSPT/BSPP to NPT/NPTF

PIPE SWIVELS



SIZES	1/8" to 2"
PRESSURES	Up to 5,000 psi (345 bar)
SPECIFICATIONS	SAE J214



CODE 61/62 FLANGE

RELIABLE **S**OLUTIONS

Stainless Steel Hose Fittings

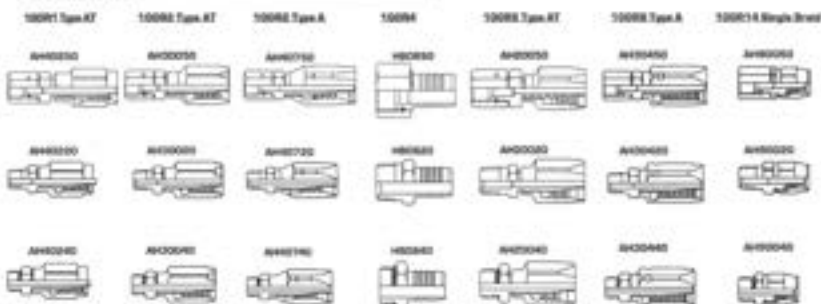
Series SS

HOSE FITTINGS

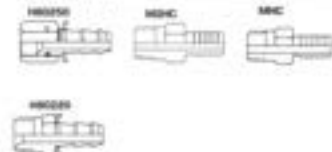


SIZE SPECIFICATIONS	1/2" to 2" For heat treating SAE 100P1, 100P2, 100P4, 100P5, 100P6, 100P14 Provisions
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HYDRAULIC



PUSH ON



WELD ON / METAL HOSE



Stainless Steel High Pressure Pipe Unions

KONCENTRIK®

SIZE	1/8" to 2"
PHYSICAL PROPERTIES	10,000 psi / 8,000 psi
USP APPLICATIONS	Proteins

Q-SEAL



THREADED PIPE



UNION NUT



**Stainless Steel
& Carbon Steel
Hydraulic
Tubing Available
Stocked 3/16" to 1"**

* Available for tubing as well.

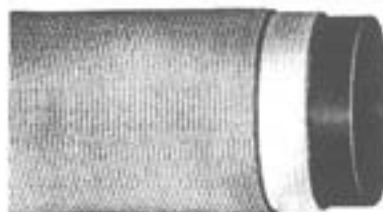
Fire Hose



SINGLE JACKET FIRE HOSE

Single jacket constructions consist of a thermoplastic or synthetic rubber liner combined with a closely woven textile single jacket. The jacket may be a combination of

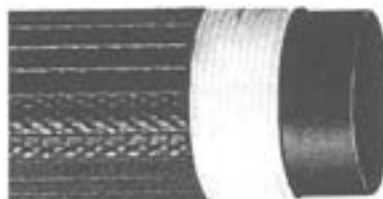
cotton and polyester or 100% synthetic material. Jackets are precisely woven, with warp yarn completely covering the filler yarns for greater strength and abrasion resistance.



DOUBLE JACKET FIRE HOSE

Double jacket constructions include a second closely woven jacket for extra durability, safety factor, and higher test pressures. The jackets are matched to assure a precision fit

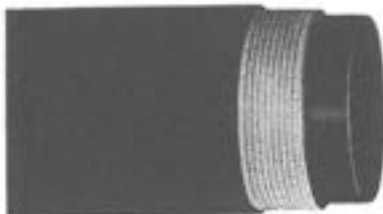
to meet precise hydrostatic requirements as required by Underwriters, Factory Mutual, NFPA, and federal specifications.



NITRILE COVERED FIRE HOSE

Nitrile synthetic rubber provides a rugged cover for this lightweight single jacket hose designed for use in industrial environments. The deep ribbed pattern offers excellent

abrasion resistance and the homogeneous heavy-duty one-piece cover and liner construction resists heat and most chemicals.



COVERED FIRE HOSE

In this construction, an all-polyester single jacket hose is spirally wrapped with a Neoprene® or synthetic rubber outer covering. This covering gives the hose outstanding

resistance to chemicals, heat, abrasion, ozone, and other conditions encountered in the petrochemical service and other severe environments.



PIN RACK HOSE

This all-synthetic, thermoplastic lined hose is designed for easy pin rack storage and maintenance. Although fully lined, it replaces unlined linen hose foot-for-foot and weighs the same or less. This lightweight con-

struction is normally furnished with the Underwriters and/or Factory Mutual labels, in addition to meeting the current NFPA requirements.



HARD SUCTION HOSE

National offers a choice of a premium heavy duty hard suction hose in both conventional (as pictured) or corrugated for greater flexibility. We also offer a high quality light duty hard suction hose.



BOOSTER HOSE

This high pressure 800 PSI working pressure hose is a vertical braid construction with a premium ozone resistant cover.



Fire Hose

Series 1515

44-250 100% Polyester Mill-Discharge Hose

Single jacket – 250 psi test. A lightweight, easy-to-handle general purpose hose for clean-up and wash-down in factories and mill yards. An ideal industrial discharge hose. This all-polyester construction will not mildew or decay with age. Lining is ozone-resistant extruded synthetic rubber.

Lengths: 50 ft. (Sizes up to 2½" also available in 75 and 100 ft. lengths.)

Hose Size	Specification Number	Coupling Bowl Size	Acceptance Test Pressure**	Weight Per 50' Uncoupled	Length (lbs.) Coupled†
1" Single Jacket	44-250	1½"	250 PSI	10	10.5
1½" Single Jacket	44-250	1¾"	250 PSI	11	12
1½" Single Jacket	44-250	1¾"	250 PSI	12	13
2" Single Jacket	44-250	2½"	250 PSI	19.5	20.5
2½" Single Jacket	44-250	2¾"	250 PSI	25	27
3" Single Jacket	44-250	3½"	250 PSI	32.5	36.5
4" Single Jacket	44-250	4½"	250 PSI	50	56.5
6" Single Jacket	44-250	6½"	250 PSI	78	90.5

Series 1506

44-AP3* 100% Polyester

Single jacket – 300 psi test. This lightweight, strong and flexible hose was designed for applications where hose is stored in hump racks, reels or hose houses for prolonged periods and is recommended for emergency fire protection in all industries. The jacket is 100% polyester which is totally immune to mildew and rot. Never needs drying.

Lengths: 50, 75, and 100 ft.

Hose Size	Specification Number	Coupling Bowl Size	Acceptance Test Pressure**	Weight Per 50' Uncoupled	Length (lbs.) Coupled†
1½" Single Jacket	44-AP3	1¾"	300 PSI	11	12
2" Single Jacket	44-AP3	2½"	300 PSI	17	18
2½" Single Jacket	44-AP3	2¾"	300 PSI	24	26

Series 1507

14-RR-55* 100% Synthetic Rack 'N Reel 500® Pin Rack Hose

Single jacket – 500 psi test. Lightweight, compact, easy to handle, thermoplastic lined fire hose that folds easily for pin rack storage. This all synthetic construction is totally immune to deterioration from mildew and rot. Occupants and fire departments alike can fully rely on this unique emergency hose. It replaces unlined linen foot for foot. For easy maintenance, Rack 'N Reel 500 can be hydrostatically tested and easily repacked.

Lengths: 25, 50, 75, 85, 100, 125, and 150 ft.

Hose Size	Specification Number	Coupling Bowl Size	Acceptance Test Pressure**	Weight Per 50' Uncoupled	Length (lbs.) Coupled†
1½" Single Jacket	14-RR-55	1¾"	500 PSI	5	6
2½" Single Jacket	14-RR-55	2¾"	500 PSI	14.5	16.5

Series 1508

14-5-2G 100% Synthetic Flame-Resistant Mine Hose

Single jacket – 500 psi test. The ultimate above or underground mine hose! This highly abrasion resistant, chemical resistant Neoprene® lined hose is approved by MSHA for all mine fire protection applications. This unique construction will remain flexible at – 20°F. Easily stored on reels or hump racks.

Lengths: 50, 75 and 100 ft.

Hose Size	Specification Number	Coupling Bowl Size	Acceptance Test Pressure**	Weight Per 50' Uncoupled	Length (lbs.) Coupled†
1½" Single Jacket	14-5-2G	1¾"	500 PSI	14.5	15.5
2" Single Jacket	14-5-2G	2½"	500 PSI	20	21

Series 1512

14-EXN-5 100% Synthetic "N-Dustrial 500" Nitrile Covered

Single jacket (extrusion covered) – 500 psi test. This covered hose is a premium quality, abrasion resistant, chemical resistant, lightweight industrial fire hose. The one-piece cover/lining totally encompasses the synthetic reinforcement providing an industrial fire hose that is easy to use, clean and maintain. This hose is totally immune to mildew and resists the effects of most chemicals.

Lengths: 50, 75, 100, 150, 200, 300 ft.

Hose Size	Specification Number	Coupling Bowl Size	Acceptance Test Pressure**	Weight Per 50' Uncoupled	Length (lbs.) Coupled†
1½" Single Jacket	14-EXN-5	1¾"	500 PSI	10.5	11.5
2" Single Jacket	14-EXN-5	2½"	500 PSI	15	16
2½" Single Jacket	14-EXN-5	2¾"	500 PSI	19.5	21.5

Available in orange (standard), red, yellow or black nitrile.



Fire Hose Accessories



Series 5000

**STYLE CB
CAST BRASS
ROCKER LUG COUPLINGS
(Expansion Ring)**

Basic two-lug coupling that doesn't snag and rolls easily in use. Cast brass; designed for heavy duty industrial fire hose applications. Brushed brass finish.

Sizes: 1½" thru 6"



Series 5025F

**EXTRUDED ALUMINUM
ROCKER LUG
FORESTRY COUPLINGS
(Expansion Ring)**

Fully complies with USFS specification 5100-108d. Hard coated aluminum provides strength to meet rugged forest service use. Two lugs on female only.

Sizes: 1" 1½" only



Series 5025

**STYLE EX
EXTRUDED ALUMINUM
ROCKER LUG COUPLINGS
(Expansion Ring)**

Twice as strong as cast brass. Only one-third the weight. Hard coated for extra protection. Three lugs on both male and female swivel.

Sizes: 1" thru 6" and 3-Part Reducing 1½" x 1½", 3" x 2½"

5-Part Reducing 2" x 1½"



Series 5100

**BRASS BOOSTER
HOSE COUPLINGS
(Self-tightening)**

Polished chrome plated finish. Famous high pressure coupling. Hole type male and female swivel.

Sizes: ¾" 1"

Series 5294



02-403

With Bumper

Size	Thread	Part #
¾"	GHT	FNB75GHT
1"	NPS	FNB100S
1"	NST	FNB100NST
1 ½"	NPS	FNB150S
1 ½"	NST	FNB150NST



02-463

Series 5298

***02-463 "All-Fog" Nozzle. No Straight Stream**

From shut-off to 30 degrees fog. Use of this nozzle is not likely to prove hazardous when nozzle is held in excess of 10 feet from electrical apparatus and circuits involving voltages not in excess of 250,000. Listed by U/L for Class C Fires. Finish: Satin, polished or polished and chrome.

2520 (2 ½") Series 5295

2 ½" combination fog nozzle moulded from polycarbonate with 2 ½" attaching threads. Ideal for in-plant protection when large hose is in use, and for small fire companies where price is a factor.

Available Threads:

NHT, NY Corp., NY (FD), Chicago (FD)

CSA (5 x 3 ¼"), B.C. & A.M.A. (8x3),

Nova Scotia Std (5x3 ¼")

Height - 9"

Gallage - 150 GPM (US)

Factory Mutual Approved,

ULC Listed





Fire Hose Brass Hydrant Adapters



Series 5240

Description	Part #
2 1/2" FEMALE NST x 3/4" MALE GHT	HA2576

Description	Part #
1 1/2" FEMALE NST x 1 1/2" MALE NPSH	HA1515
2 1/2" FEMALE NST x 1" MALE NPSH	HA2510
2 1/2" FEMALE NST x 1 1/4" MALE NPSH	HA2512
2 1/2" FEMALE NST x 1 1/2" MALE NPSH	HA2515
2 1/2" FEMALE NST x 2" MALE NPSH	HA2520
2 1/2" FEMALE NST x 2 1/2" MALE NPSH	HA2525

Description	Part #
2 1/2" FEMALE NST x 1 1/2" MALE NST	HA2515F
3" FEMALE NST x 2 1/2" MALE NST	HA3025F
4" FEMALE NST x 2 1/2" MALE NST	HA4025F

Description	Part #
2 1/2" FEMALE NST x 3/4" MALE NPT	HA2575T
2 1/2" FEMALE NST x 1" MALE NPT	HA2510T
2 1/2" FEMALE NST x 1 1/2" MALE NPT	HA2515T
2 1/2" FEMALE NST x 2" MALE NPT	HA2520T

Cast brass finish

Hydrant Spanner Wrenches

HEAVY DUTY ADJUSTABLE HYDRANT WRENCH

Part #
189



Series 5340

Malleable iron head and 7/8" steel handle, nickel/chromed, red epoxy painted head. For pentagon hydrant nuts up to 1 3/4" from point to flat. Also notched to fit 1 1/4" square hydrant nut. Spanner for pin lug and sensible (rocker) lug couplings, 1 1/2" thru 6". Overall length 18". Weight 4.7 lbs.

UNIVERSAL

Part #
233



Series 5300

For pin lug or sensible (rocker) lug couplings 1" thru 4 1/2". Malleable iron, red epoxy painted. Overall length 11 3/4".

5 HOLE HYDRANT WRENCH

Part #
PHW



5 Pentagon Holes designed to fit common Hydrant nut sizes. Built in spanner for pin or rocker lug couplings. Plated Malleable Iron.

ADJUSTABLE HYDRANT WRENCH

Part #
AHW



Plated Malleable Iron Head and 1/2" plated steel Handle. For Pentagon nuts up to 1 3/4". Built in spanner for pin or rocker lug couplings. 16 1/4" long. Weight 2.7 lbs.

ALUMINUM UNIVERSAL SPANNER WRENCH

Part #
USW



For 3/4" to 3" pin lug and rocker lug couplings. Includes gas cock shutoff, pry bar and belt hook eye. Overall length - 11 7/8", weight - 0.62 lbs.



Fire Hose Accessories

DOUBLE MALE HEX NIPPLE

FEMALE to MALE HEX NIPPLE



Series 5220

MALE X MALE	Part #
1" NPT x 3/4" GHT	DMH1076
1" NPT x 1" NPSH	DMH1010
1 1/2" NPT x 1 1/2" NPSH	DMH1515
2" NPT x 2" NPSH	DMH2020
2 1/2" NPT x 2 1/2" NPSH	DMH2525
3" NPT x 3" NPSH	DMH3030
4" NPT x 4" NPSH	DMH4040
1" NPT x 1" NST	DMH1010F
1 1/2" NPT x 1 1/2" NST	DMH1515F
2" NPT x 1 1/2" NST	DMH2015F
2" NPT x 2 1/2" NST	DMH2025F
2 1/2" NPT x 2 1/2" NST	DMH2525F
3" NPT x 2 1/2" NST	DMH3025F
1 1/2" NST x 1 1/2" NST	DMH15F15F
1 1/2" NST x 2 1/2" NST	DMH15F25F
2 1/2" NST x 2 1/2" NST	DMH25F25F

Cast brass finish



Series 5210

FEMALE X MALE	Part #
1" NPT x 3/4" GHT	FM1076
1 1/2" NPT x 1 1/2" NPSH	FM1515
2 1/2" NPT x 2 1/2" NPSH	FM2525
1 1/2" NPT x 1 1/2" NST	FM1515F
2" NPT x 2 1/2" NST	FM2025F
2 1/2" NPT x 2 1/2" NST	FM2525F
3" NPT x 2 1/2" NST	FM3025F
1 1/2" NPSH x 1 1/2" NST	FM15S15F
3/4" GHT x 1" NPT	FM7610T
1 1/2" NST x 1 1/2" NPT	FM15F15T
1 1/2" NST x 2" NPT	FM15F20T
2 1/2" NST x 3/4" NPT	FM25F75T
2 1/2" NST x 1" NPT	FM25F10T
2 1/2" NST x 1 1/2" NPT	FM25F15T
2 1/2" NST x 2" NPT	FM25F20T
2 1/2" NST x 2 1/2" NPT	FM25F25T
2 1/2" NST x 3" NPT	FM25F30T
1 1/2" NST x 2 1/2" NST	FM15F25F

Cast brass finish

DOUBLE FEMALE SWIVEL



Series 5250

Double swivel connection for changing threads from male to female

FEMALE X FEMALE	Part #
1 1/2" NPSH x 1 1/2" NPSH	DFP1515
2 1/2" NPSH x 2 1/2" NPSH	DFP2525
1 1/2" NST x 1 1/2" NST	DFP1515F
2 1/2" NST x 2 1/2" NST	DFP2525F

Cast brass finish



DOUBLE MALE

Changes thread from female to male

MALE X MALE	Part #
1 1/2" NPSH x 1 1/2" NPSH	DMP1515
2 1/2" NPSH x 2 1/2" NPSH	DMP2525
1 1/2" NST x 1 1/2" NST	DMP1515F
2 1/2" NST x 2 1/2" NST	DMP2525F

Cast brass finish

PLAIN WYES



Divides one stream into two

FEMALE X FEMALE	Part #
1 1/2" NST x (2) 1 1/2" NST	PW15F15F
2 1/2" NST x (2) 2 1/2" NST	PW25F25F

One female swivel inlet and two male outlets



Fire Hose Accessories

MALE SWIVEL ADAPTER



Female Swivel x Male	Part #
2 1/2" NST x 2 1/2" NPT	SM250F
2 1/2" NST x 3" NPT	SM25F30T

Cast brass finish

FEMALE SWIVEL ADAPTER



Female Swivel x Female	Part #
2 1/2" NST x 2 1/2" NPT	SF250F

Cast brass finish

PIN LUG CAPS and PLUG with CHAIN



CAP

Size	Thread	Part #
1 1/2"	NPSH	FC150
2 1/2"	NPSH	FC250
1 1/2"	NST	FC150F
2 1/2"	NST	FC250F

Cast brass finish



THERMOPLASTIC CAP

Size	Thread	Part #
2 1/2"	NST	PFC250F

Red finish



PLUG

Size	Thread	Part #
2 1/2"	NST	FP250F

Cast brass finish

U.S. COAST GUARD APPROVED FOG NOZZLE



NOZZLES

Size	Thread	Nozzle Part #
1 1/2"	NST	CGN150NST
2 1/2"	NST	CGN250NST

SINGLE HYDRANT GATE VALVE

2 1/2" Size Only For Discharge Only

05-116 - Solid Top

Gate Valves are furnished with female swivel female inlet fire department thread on male outlet pin lug or sensible lug. Specify handle, swivel. Finish: Body painted red, polished or polished chrome trim.



Combination fog and Straight Stream for ship board fire fighting. Non-Clogging Coast Guard design is specifically suited to fighting fires with water drafted from over the side.

PLAIN HOSE NOZZLES

BRASS

Series 5290



Size	Thread	Length	Discharge	Part #
3/4"	GHT	6"	1/4"	BN6
3/4"	NPSH	6"	1/4"	BN7
1"	NPSH	8"	5/16"	BN10
1 1/4"	NPSH	10"	3/8"	BN12
1 1/2"	NPSH	10"	1/2"	BN15
1 1/2"	NST	10"	1/2"	BN15F
2"	NPSH	12"	9/16"	BN20
2 1/2"	NPSH	12"	1"	BN25
2 1/2"	NST	12"	1"	BN25F

THERMOPLASTIC NOZZLES



Size	Thread	Length	Discharge	Part #
1 1/2"	NPS	10"	1/2"	PN15
1 1/2"	NST	10"	1/2"	PN15F

Red finish



Fire Hose Racks & Reels

1 1/2" FIRE HOSE RACK ASSEMBLY

Red enameled steel rack assembly includes rack, nipple, valve, hose and nozzle. All racks carry U/L and FM approval.

30-333 - Steel Fire Hose Racks

Are Underwriters Listed and Factory mutual Approved. Hose is held with movable pins and U/L bar. Racks are furnished with 100% synthetic single jacketed rack hose. Complete rack assembly includes the rack, rack nipple, Underwriters 300 lb. angle valve and brass fog nozzle. Also available with wall bracket or wall bracket-pipe clamp combination.

Rack Dimensions, with Fog Nozzle

RACK DIMENSIONS - INCHES					
Size	A	B	C	D	E
50 Ft. 1.5" 2.5"	1 1/2 2 1/8	17 3/8 19	19 9/16 20 3/8	17 1/4 17 3/4	4 1/8 4 1/8
75 Ft. 1.5" 2.5"	1 1/2 2 1/8	21 3/8 23	19 9/16 20 3/8	17 3/4 17 3/4	4 1/8 4 1/8
100 Ft. 1.5" 2.5"	1 1/2 2 1/8	27 7/8 29 1/2	19 9/16 20 3/8	17 3/4 17 3/4	4 1/8 4 1/8

30-333 - Steel Fire Hose Racks

Are Underwriters Listed and Factory mutual Approved. Hose is held with movable pins and U/L bar.

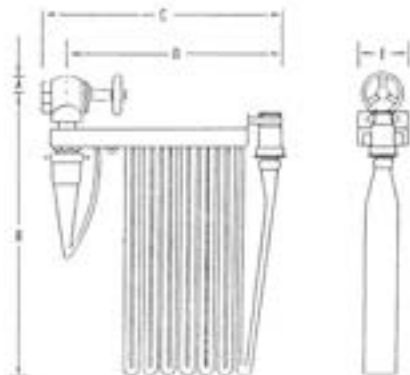
2 1/2" x 1 1/2" Reducing Rack for either Blaze Guard R&R Synthetic Rack Hose or Super E-Z Off Polyester Rack Hose. Note: "C" Dimensions 2" longer for 100' length Super E-Z Off.

30-453 - Hose Rack Cover

Furnished in 10 oz. fluorescent orange vinyl. Velcro closures. "Fire Hose" printed on both sides. 25" H x 30" W.

30-333 - Aluminum Wall Bracket

Used to support hose rack assembly independent of standpipe valve. 5" H x 4" W.



30-453



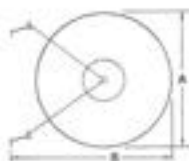
30-333
wall bracket

STYLE V SWINGING WALL REELS

30-137 - Style V Swinging Wall Reel

Adjusts to any angle automatically. Hose is connected to water supply at all times and ready instantly for emergencies. All steel construction. Red enamel finish furnished with wall brackets or pipe clamps up to 2 1/2". Extra charge for pipe clamps larger than 2 1/2" diameter.

Note: Reel Price doesn't include hose or nozzle.



30-440

Capacity Hose					DIMENSIONS - INCHES (CM)			
Style	Size	Single Jacket	Single Jacket	Double Jacket	A	B	Overall	Shipping
30-137	Hose	Rack Hose	Polyester	Polyester			Width	Weight
V-1	1 1/2	100'	50'	50'	31 (53.3)	26 5/8 (67.6)	7 1/2 (19)	22 lbs.
V-2	1 1/2	150'	50'	50'	18 (45.7)	23 1/2 (59.6)	6 1/4 (15.8)	12 lbs.
V-5	1 1/2	250'	100'	50'	24 (60.9)	29 (73.6)	6 1/4 (15.8)	15 lbs.

30-440 - Semi-Automatic Hose Clamp

Allows the valve to be turned on as the hose is taken off the reel. Water will not flow until hose has been released from clamp, permitting a single individual operation.

30-454 - Wall Reel Cover

Furnished in 10 oz. fluorescent red vinyl coated nylon. Velcro closures. "Fire Hose" printed on both sides.



30-454



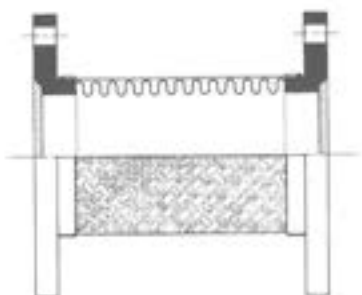
30-137

Other Reels Available
Through Hannay



Flexible Metal Hose

4501 Fixed Flange



STANDARD:
150 # flat face
plate steel flanges

OPTIONAL:
forged steel, 300 #
drilling or special
drilling

Minimum Standard
Length Design

Part No. 4501	Nominal size IPS	Overall length (in.)	Maximum working pressure (PSI at 250°F)
-031	2	9	450
-035	2-1/2	10	450
-040	3	10	300
-044	3-1/2	10	300
-048	4	10	250
-055	5	12	225
-060	6	12	225
-067	8	13	175
-074	10	14	150
-080	12	15	125
-081	14	15	125
-082	16	16	100

1/8" centerline static misalignment plus 1/4" cyclic displacement
allowed

4502 Fixed Flange



4503 Fixed Flange & Floating Flange



STANDARD:
150 # flat face
plate steel flanges

OPTIONAL:
forged steel, 300 #
drilling or special
drilling

Part No. 4502-4503	Nominal size IPS	Overall length (in.)	Maximum working pressure (PSI at 250°F)
-031	2	12	450
-035	2-1/2	12	450
-040	3	14	300
-044	3-1/2	16	300
-048	4	16	250
-055	5	18	225
-060	6	20	225
-067	8	22	175
-074	10	24	150
-080	12	26	125
-081	14	28	125
-082	16	30	100

1/4" centerline static misalignment plus 1/4" cyclic displacement
allowed

IMPORTANT:

- 1) Maximum temperature for welded configurations, types 4501 through 4505, is 850°F. Maximum working pressure at 850°F is 65% of the tabulated value. Maximum temperature for brazed configuration 4506 and 4507 is 600°F. Maximum working pressure at 600°F is 60% of the tabulated value.
- 2) Minimum safety factor for working pressure is 4:1 for steady pressure.
- 3) Standard construction is type 321 stainless steel annular inner core, single braid type 321, carbon steel pipe, weld ends, threaded ends, and flanges joined by welding. Type 4506 and 4507 include copper sweat ends joined by silver brazing.



Flexible Metal Hose

4504 Weld End



4505 Male Pipe Thread



Sizes 1/2" - 1 1/2"
include HEX

Part No. 4504-4505	Nominal size IPS	Overall length (in.)	Maximum working pressure (PSI at 250° F)
-011	1/2	9	950
-014	3/4	10	700
-019	1	10	600
-024	1-1/4	11	500
-027	1-1/2	12	450
-031	2	12	450
-035	2-1/2	14	450
-040	3	14	300
-044	3-1/2	14	300
-048	4	14	250

1/8" centerline static misalignment plus 1/4" cyclic displacement allowed

4506 Male Copper Tube Ends

4507 Female Copper Tube Ends



Male or female
copper tube end

Part No. 4506-4507	Nominal copper tube size	Overall length	Maximum working pressure (PSI at 250° F)
-08	1/2	9	950
-012	3/4	10	700
-016	1	10	600
-020	1-1/4	11	500
-023	1-1/2	12	450
-029	2	12	450
-033	2-1/2	14	450
-037	3	14	300
-041	3-1/2	14	300
-045	4	14	250

1/8" centerline static misalignment plus 1/4" cyclic displacement allowed

CAUTION: Construction incorporates silver brazing. Do not exceed 1000°F during service or installation. Applies to 4506-7 only.

Type 321 S/S annular
corrugated inner core

Type 321 S/S single
braid cover is standard

Optional double braid cover

Applications

VIBRATION ISOLATION:

Vibration originating from mechanical equipment is isolated from the piping system.

MISALIGNMENT COMPENSATION:

Allows labor saving alignment of equipment.

MOTION ABSORPTION:

Pipe expansion and contraction can be absorbed without stressing piping and mechanical equipment.

NOISE REDUCTION:

Noise generated by mechanical vibration and fluid pulsation is dampened and greatly reduced by isolation of piping components.

STRESS REDUCTION:

Rigid attachment of piping to critical equipment produces excessive loading which can be eliminated with flexible connectors.

Ordering Instructions

metal hose may be ordered directly from this catalog by using the part number selected from the tabulations and adding the appropriate dash numbers.

EXAMPLE 2" IPS FIXED FLANGE CONNECTOR

4502-031-XX.X

Specify overall length for
special requirements.

Three digit dash number
determines size.

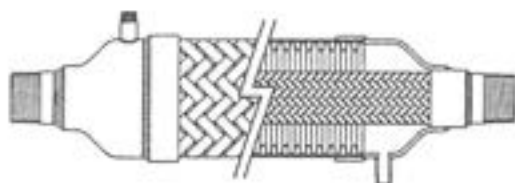
Four-digit stock number determines configuration.



Special Metal Hose

Special Fabricated Assemblies

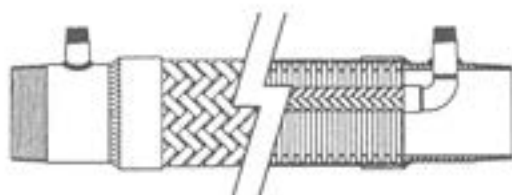
Jacketed Assembly



Jacketed assemblies are normally used in one of the following applications:

1. As a heated transfer line for those products, such as sulphur, which must be maintained at an elevated temperature in order to flow readily. Steam or hot oil is circulated through the jacket, which in turn heats the product being conveyed in the core hose.
2. As a cryogenic transfer line. Maintaining a high vacuum in the jacket effectively insulates cryogenic liquids being conveyed in the core hose.

Traced Assembly



Traced hose assemblies are used when the product being conveyed must be heated in order to flow freely. Steam or hot oil circulated through the inner tracer hose heats the product in order to maintain high flow rates.

Lined Assembly



Product being conveyed through an unlined corrugated metal hose at high velocity can set up resonant vibration within the hose causing it to prematurely fail. This may be eliminated by adding a liner to the hose.

Guarded Assembly



Guarded assemblies are used where a corrugated metal hose could easily be damaged by rough handling, abrasion, or flexing past its minimum bend radius.

INTERLOCKED METAL HOSE



supplied with or without a liner. Generally the hose is made of carbon steel or stainless steel and is available in sizes of $\frac{3}{4}$ " through 28" ID. End connections of virtually any type can be furnished. Applications vary as much as the hose construction, but generally involve bulk transfer of liquid or dry materials where problems of temperature, abrasion, or corrosion exist. Also, this type hose is used for hot air transfer and exhausting gases from ovens and furnaces.

Series 1913 Stainless Steel 1916 Galvanized

Interlocked hose is made of helically wound metal strips folded together at adjacent edges to form interlocked convolutions. The type and gauge of metal can vary. The hose can be supplied with or without packing and can be

Teflon Hose & Fittings

Smooth Bore Hose

Everflex Smooth Bore Hose of Teflon is constructed of an extruded innercore of virgin Teflon with either type 304 stainless steel or bronze wire braid reinforcement. The innercore is non-aging, has long flex life, is weather resistant and its non-stick surface makes cleaning easy. The braid acts both as a pressure carrier and protective covering. Everflex smooth bore hose is found in many of the toughest service applications, handling "problem" fluids such as acids, hydraulic fluids, steam, solvents, fuels, and chemicals of all types.

Sizes: 5/32" I.D. to 1-1/8" I.D.

Temperature range: -65° F to +450° F (-54°C to +230°C) .

(For bronze braid - Temperature range: -65°F to +400°F)

MEETS SAE REQUIREMENTS FOR 100R14



Hose					Stainless Steel Braid			Bronze Braid		
Dash Size	Actual I.D. (in.)	Average O.D. (in.)	Wall Thick. (in.)	Min.* Bend Radius	**Part Number	Oper. Pressure (psi)	Room Temp. Burst (psi)	Part Number	Oper. Pressure (psi)	Room Temp. Burst (psi)
-3	5/32	.250	.040	1.0	S-3	3,500	14,000	B-3	1,250	5,500
-4	3/16	.320	.040	1.5	S-4	3,000	12,000	B-4	1,250	5,000
-4	3/16	.305	.030	2.0	S-4TW	3,000	12,000			
-5	1/4	.375	.040	2.0	S-5	3,000	12,000	B-5	1,000	4,500
-5	1/4	.375	.030	3.0	S-5TW	3,000	12,000			
-6	5/16	.435	.040	3.5	S-6	2,500	10,000	B-6	1,000	4,200
-6	5/16	.430	.030	4.0	S-6TW	2,500	10,000			
-6T	3/8	.515	.030	5.0	S-7TW	2,000	8,000			
-6	5/16	.595	.080	3.5	S-6DW+	2,500	10,000			
-8	13/32	.565	.043	4.5	S-8	2,000	8,000	B-8	1,000	4,000
-8	13/32	.535	.030	5.0	S-8TW	2,000	8,000			
-10	1/2	.656	.047	5.0	S-10	1,750	7,000	B-10	900	3,600
-10	1/2	.635	.030	6.5	S-10TW	1,750	7,000			
-12	5/8	.780	.047	6.0	S-12	1,500	6,000	B-12	750	3,000
-12	5/8	.765	.030	7.5	S-12TW	1,500	6,000			
-12T	3/4	.890	.035	8.5	S-14TW	1,000	4,000			
-16	7/8	1.050	.047	9.0	S-16	1,000	4,000	B-16	625	2,500
-16	7/8	1.030	.035	9.0	S-16TW	1,000	4,000			
-16Z4	7/8	1.110	.047	7.3	S-16Z+	1,250	5,000			
-16T	1	1.215	.035	12.0	S-18ZTW+	1,000	4,000			
-20Z4	1-1/8	1.350	.050	11.0	S-20Z+	1,000	4,000			

Teflon Hose & Fittings

Permanent Swage Fittings

Everflex permanently attached hose ends are available in many configurations covering the requirements of most industrial applications. The progressively swaged design provides the reliability and integrity required in severe service environments. Standard fittings include male pipe (NPT) and female JIC swivel. Materials offered are brass, carbon steel, and stainless steel. Consult factory on availability of 316 stainless steel wetted part. Refer to the charts below for specifications for each individual fitting.



Male Pipe (NPT)

Hose Size	Pipe Size	Part* Number	Pipe Thread (NPT)	Deduct Length	Hose Size	Pipe Size	Part* Number	Pipe Thread (NPT)	Deduct Length	Hose Size	Pipe Size	Part Number	Pipe Thread (NPT)	Deduct Length
-4	1/8	1104-1	1/8-27	3/4	-8	1/2	1108-2	1/2-34	1-1/8	-3	1/8	S-1103	1/8-27	3/4
-4	1/4	1104-2	1/4-38	7/8	-10	1/2	1110	1/2-34	1-3/16	-6DW	1/4	S-1106DW-1	1/4-38	1
-5	1/4	1105	1/4-38	7/8	-12	3/4	1112	3/4-34	1-5/16	-6DW	3/8	S-1106DW-2	3/8-38	1-3/16
-6	1/4	1106-1	1/4-38	7/8	-16	1	1116	1-11.5	1-5/8	DW refers to Autoclave hose (double wall).				
-6	3/8	1106-2	3/8-38	15/16	-16Z†	1	1116Z†	1-11.5	1-5/8					
-8	3/8	1108-1	3/8-38	1	-20Z†	1-1/4	1120Z†	1-1/4-11.5	1-3/4					

*Prefix fitting number with letter "B" for brass; "C" for carbon steel; "S" for Stainless Steel.
 †30° Chamfer on carbon steel fittings. For chamfer on other materials consult factory.
 ‡ The 16Z and 20Z sizes have a double stainless steel wire braid reinforcement.



37° JIC (SAE) Swivel

Hose Size	Pipe Size	Part* Number	Thread Size	Deduct Length	Hose Size	Pipe Size	Part* Number	Thread Size	Deduct Length	Hose Size	Pipe Size	Part Number	Thread Size	Deduct Length
-4	1/4	1304	7/16-20	7/8	-12	3/4	1312	1-1/16-12	1-7/16	-3	3/16	B-1303	3/8-24	9/16
-5	5/16	1305	1/2-20	15/16	-16	1	1316	1-5/16-12	1-5/8	-3	1/4	B-1303-4	7/16-20	7/16
-6	3/8	1306	9/16-18	1	-16Z†	1	1316Z†	1-5/16-12	1-5/8	-4	1/4	#30	7/16-20	7/8
-8	1/2	1308	3/4-16	1-3/16	-20Z†	1-1/4	1320Z†	1-5/8-12	1-11/16	-5	5/16	#31	1/2-20	15/16
-10	5/8	1310	7/8-14	1-5/16						-6	3/8	#32	5/8-18	1
										-8	1/2	#33	3/4-16	1-3/16
										-10	5/8	#34	7/8-14	1-5/16
										-12	3/4	#35	1-1/16-14	1-7/16

*Prefix fitting number with letter "B" for brass; "C" for carbon steel; "S" for Stainless Steel.
 ‡ The 16Z and 20Z sizes have a double stainless steel wire braid reinforcement.

NOTE: #30 thru #35 are 45° SAE brass female swivels.
 #32 and #35 have steel hubs.



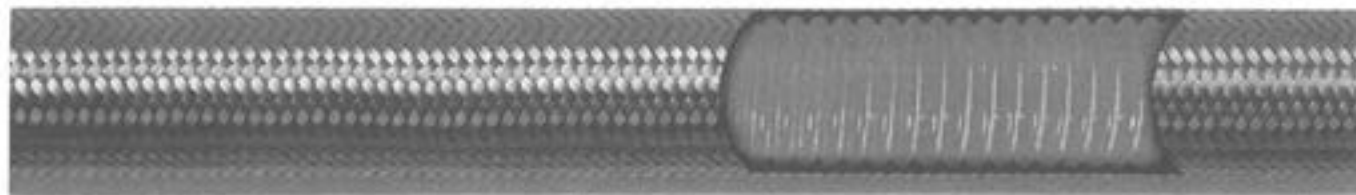
Female Pipe (NPT)

Hose Size	Pipe Size	Part Number	Thread Size	Deduct Length	Material
-4	1/8	B-2104-1	1/8-27	11/16	Brass
-4	1/4	B-2104-2	1/4-38	13/16	Brass
-5	1/4	B-2105	1/4-38	13/16	Brass
-5	1/4	S-2105	1/4-38	13/16	Stainless

CAUTION: Selection of the proper end fittings for the hose applications is essential to the proper operation and safe use of the hose.

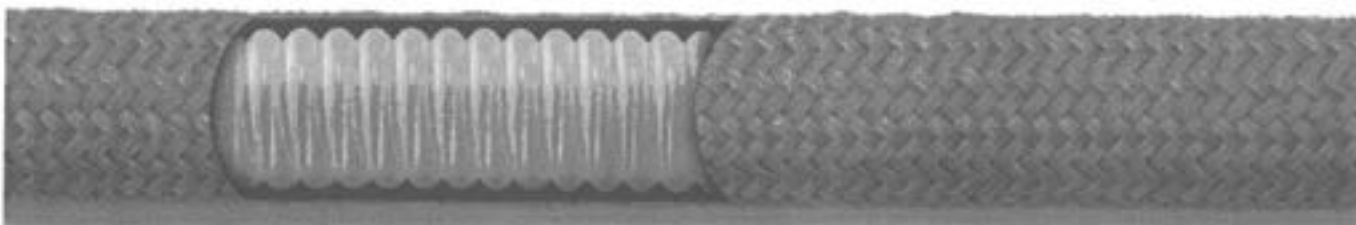


Teflon Hose & Fittings



Stainless Steel Braid

SCW:	Stainless Braid Convuluted White	SCB:	Stainless Braid Convuluted Black	SCWV:	Stainless Braid Convuluted White Vacuum	SCBV:	Stainless Braid Convuluted Black Vacuum
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Polypropylene Braid

PCW:	Polypropylene Convuluted White	PCB:	Polypropylene Convuluted Black	PCWV:	Polypropylene Convuluted White Vacuum	PCBV:	Polypropylene Convuluted Black Vacuum
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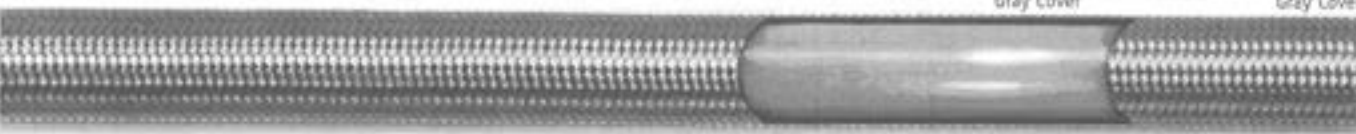
Kynar® Braid

KCW:	Kynar® Convuluted White	KCB:	Kynar® Convuluted Black	KCWV:	Kynar® Convuluted White Vacuum	KCBV:	Kynar® Convuluted Black Vacuum
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Rubber Covered Teflon®

RCTW:	Rubber Covered Teflon® White	RCTB:	Rubber Covered Teflon® Black	RCTW-GRAY:	Rubber Covered Teflon® White Gray Cover	RCTB-GRAY:	Rubber Covered Teflon® Black Gray Cover
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Stainless Braid Smooth True-Bore

STW:	Stainless Braid True-Bore White	STB:	Stainless Braid True-Bore Black
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Teflon Hose & Fittings

Bulk Industrial Fittings



Non Metallic & Coated Fittings

Non-Metallic Fittings

- ☐ Teflon®
- ☐ Kynar®
- ☐ Halar®
- ☐ Polypropylene

Coated Fittings

- ☐ Teflon®
- ☐ Halar®



Teflon Hose & Fittings

Flare-Seal™ Assemblies

Page Flare-Seal™ utilizes the latest technology to achieve absolute cleanability and non-metallic contact for your product. These chemical resistant, high purity assemblies are caustic cleanable and meet Pharmacopoeia Class VI standards. Flare-Seal Assemblies are available with Flanged Ends, Sanitary Tri-Clamp or Cam & Groove connections.



Braid Options:

- ☐ Stainless Braided
- ☐ Polypropylene Braided
- ☐ Kynar® Braided

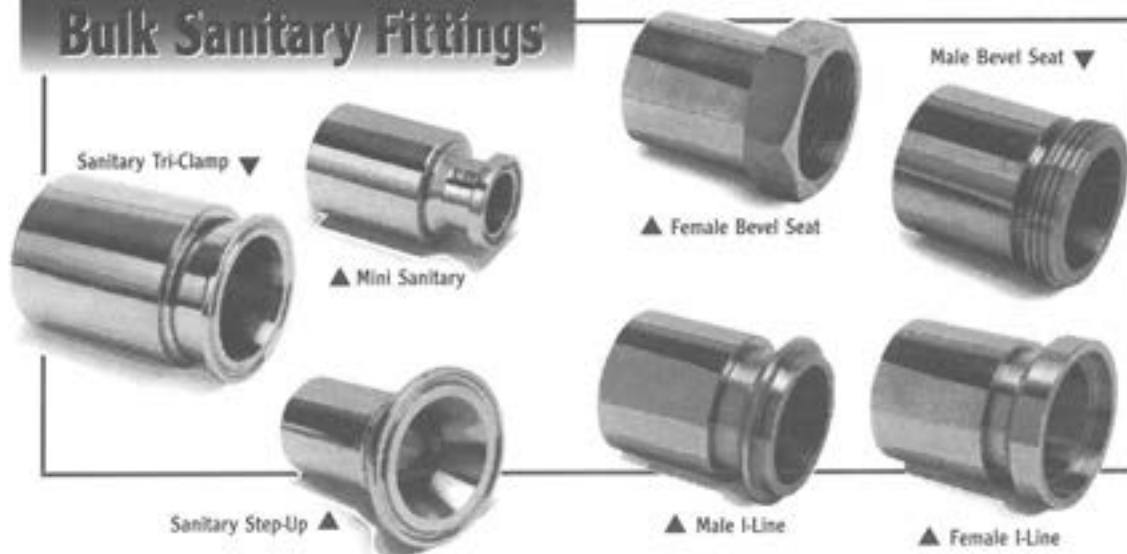
Style Options:

- ☐ Convoluted
- ☐ Smooth Bore
- ☐ Rubber Covered Teflon®

Bulk Teflon® Encapsulated Fittings



Bulk Sanitary Fittings





Expansion Joints For Chemical, HVAC, Marine, Mining, Sewage And Water Treatment Industries

Series 10,007



GRC EXPANSION JOINTS

Used as connectors between vessels operating at widely different temperatures to absorb vibration, noise and line surge in a relatively short space. Available in single arch, spool-type, tapered multiple arch and flared arch. Teflon lined are specially designed to withstand extremely reactive liquids or gases.



GRC MAXI JOINT

The Maxi joint provides greater motion capability than conventional expansion joints of the same length. The "wide" arch concept has this unique feature as well as low movement forces that are reduced up to 65%. Designed for 150 P.S.I.G. working pressure in all sizes at service temperatures up to 250° F.



GRC FLEXIBLE PIPE

Used for connecting equipment of equal diameters in abrasive or corrosive service. Allows fast, easy installation as flexibility of the pipe compensates for misalignments of equipment or bolt holes. There is also the advantage of substantial reduction in sound and vibration. Flanged Ends, both full-face and beaded are available as shown.



GRC FLEXIBLE TAPERS

Used for same systems as standard flexible pipe, except connects piping of unequal diameters. Of particular value as pump connections in systems handling slurries and suspensions, since the pump vibration is readily absorbed by the rubber. Available in both concentric and eccentric shapes, with and without arches.



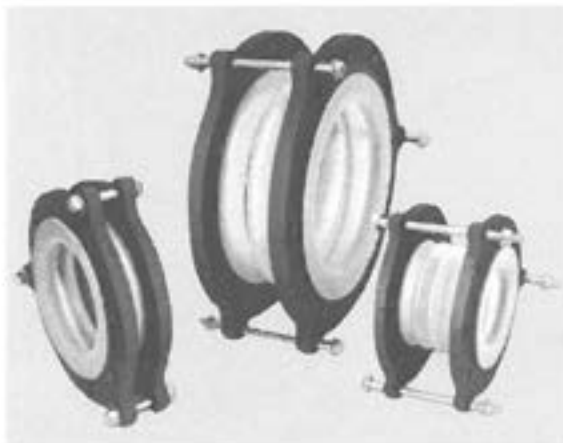
GRC FLEXIBLE CONNECTORS

The tough GRC fabricated rubber construction withstands temperature or pressure variations where abrasion, corrosion, expansion, contraction or shock could damage connected equipment. The durability of the corrosive and abrasive resistant core eliminates replacement frequency. Available in almost any degree arc up to 180°.

Size Range up to 144" I.D.
Length up to 10 ft.
Temperature range — 180° F, 250° F, and 400° F.

All products are capable of being manufactured in one of many elastomer combinations

Proco Series 440 Molded Teflon Expansion Joints



The PROCO™ Series 440 PFA & PTFE Molded Teflon® Expansion Joints are used for tough demanding applications, found in: Air Conditioning-Heating and Ventilating Systems, Refrigeration Systems, Chemical-Petrochemical and Industrial Process Piping Systems, Power Generating Plants, Pulp/Paper Plants, Water-Wastewater Sewage and Pollution Control Systems where metallic joints/tap joints or Teflon®-lined rubber expansion joints may have been previously used or specified. Specify PROCO™ Series 440 expansion joints for installation between anchor points or next to mechanical equipment such as: Absorption Machines, Blowers, Chillers, Compressors, Fans, Graphite Heat Exchangers, Glass Lined Vessels, Pumps, and Exotic Alloy/Plastic/Glass Lined Piping Systems. The Series 440 expansion joints are designed to: (1) Absorb Pipe Movement/Stress, (2) Reduce System Noise, (3) Isolate Mechanical Vibration, (4) Compensate Alignment/Offset, (5) Eliminate Electrolysis, (6) Protect Against Start-Up/Surge Forces. Our history in the manufacture of expansion joint products dates back to 1938. When an engineered solution is needed to solve a piping problem, call PROCO.

Engineered For Your Application: The PROCO™ Series 440 is available in 2, 3, & 5 convolutions. Each convolution profile offers different overall lengths (face to face dimensions), movements and pressure/temperature ratings to fit the required specification. Available styles from our inventory include:

- **Style 442-B:** Known as a "coupling", this expansion joint features two convolutions for minimal movements, higher pressure/temperature ratings and short face to face opening requirements. Expansion joint sizes range from 1" to 12" diameter and are made of PFA material.
- **Style 443-B and 443-B5:** Known as an "expansion joint", it features three convolutions and is designed for easy movement and ease of system installation. Style 443-B expansion joint sizes range from 1" to 12" and are made PFA material. Style 443-B5 expansion joint sizes range from 14" to 24" and are made of PTFE material.
- **Style 445-B and 445-B5:** Known as a "bellows", this expansion joint features five convolutions for maximum movements, low pressure/temperature ratings, vibration elimination and greater face to face openings. Style 445-B expansion joint sizes range from 1" to 12" and are made of PFA material. Style 445-B5 expansion joint sizes range from 14" to 24" and are made of PTFE material.



Duct Type Expansion Joints

•RECTANGULAR•ROUND•SLIP-OVER•FLANGED to Compensate:

- **THERMAL MOTION**
- **VIBRATION**
- **SHOCK**
- **STRESS RELIEF**



FUNCTION

"GRC" Duct Type Expansion Joints are used in duct systems to compensate for motion; absorb shock and vibration; provide stress relief, and resist corrosion, abrasion and heat. Also, they must provide an air tight flexible connector having ZERO infiltration/exfiltration capability. Temperatures to 400°F.

To achieve the functional requirements, General Rubber Corporation has designed a light weight, flexible, high strength duct type expansion joint made of synthetic fabric impregnated and covered with elastomers. The versatility of materials and styles allow the designer to select the "GRC" Duct Type Expansion Joint most suitable for the application.

APPLICATION

Air pollution abatement systems require "GRC" Duct Type Expansion Joints in duct work installations relating to baghouse, blower, precipitator, scrubber and stack emissions. General industrial applications using this type of abatement equipment would include: chemical process plants, copper smelters, cement plants, fertilizer plants, foundries, glass plants, paper mills, power plants, steel mills, and abroad large ocean going vessels.

The applications are demanding, in that there are chemicals, abrasive dust, and frequently high temperatures involved. Some special applications involve customized duct type expansion joints for motion of structure caused by excessive wind velocity, and stress relief that might be caused by seismic disturbances.

REPLACEMENT VALVE BODIES FOR PINCH TYPE VALVES

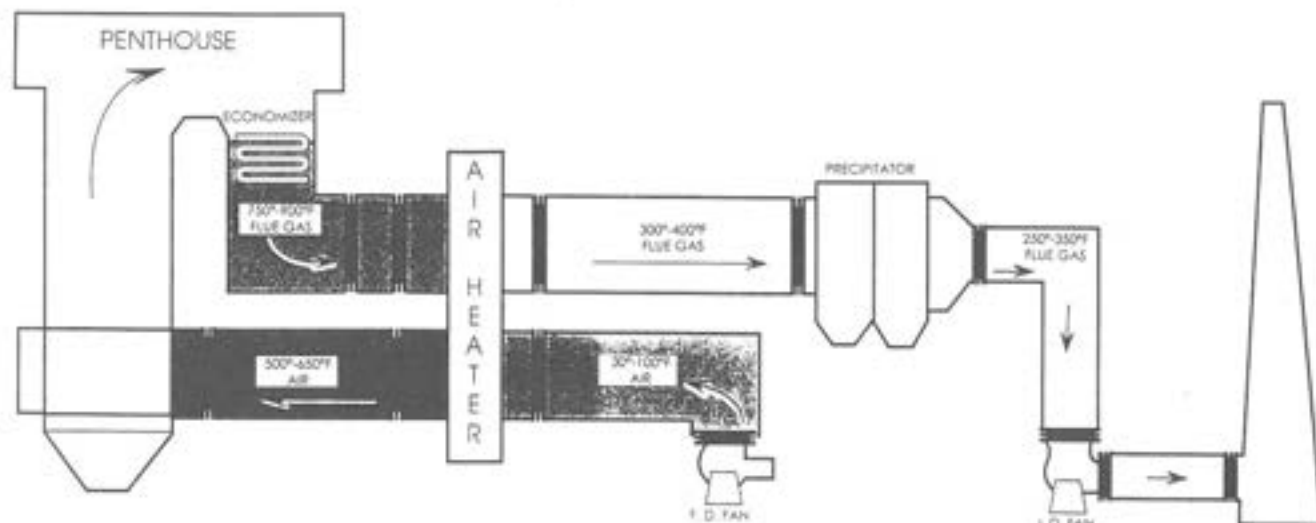
Competitive Brands MASSCO GRIGSBY RKL CONTROLS RED VALVE UNIROYAL

	Flanged Valve Body	 Typical Pinch Valve for handling slurry, sand, abrasive and/or corrosive material. For further information and specs refer to: Catalogs 580 Complete product line 881 Duct Type Expansion Joints 883 Maxi Joint 978 Flexvalve
	Beaded- End Valve Body	
	Slip-over, Pipe Type Body	

CUSTOM ENGINEERING

Perhaps the most interesting service GRC has to offer is its complete flexibility to produce almost any special size or special shape product which can solve a customer problem. While GRC makes many multiple run items its plants and equipment are of a size where special runs or single units can be made at attractive prices. When special shapes or sizes occur in your development or plant maintenance programs consider rubber as an economic solution and call on GRC to add their rubber experience to your technology. A fully staffed GRC engineering department is at your call.

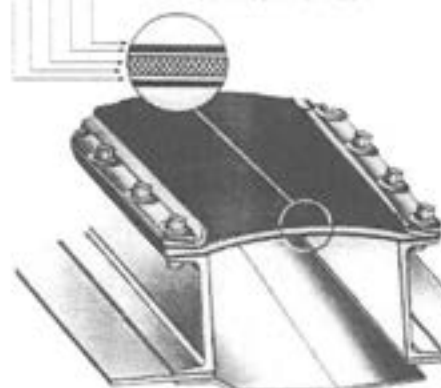
Expansion Joints



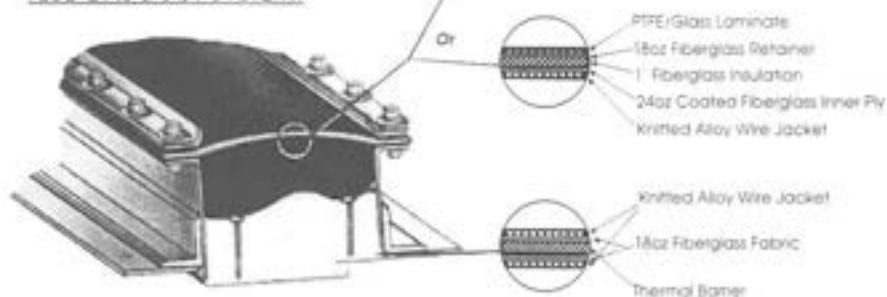
Composite Expansion Joints

SECONDARY AIR DUCT SYSTEM:

- PTFE or Fluoropolymer Laminates
- Fiberglass Retainer Ply
- 1" Thermal Barrier
- Coated Glass Cloth
- Knitted Alloy Wire Mesh

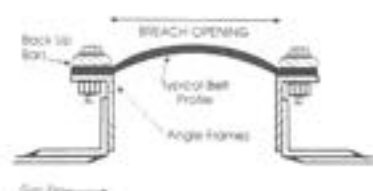
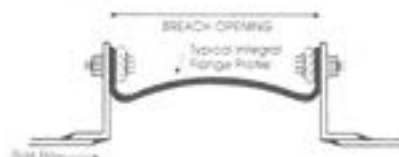


FLUE GAS DUCT SYSTEM:



ECON

Elastomeric Expansion Joints



1/4" EPDM Elastomer w/ 2 plies of a blended Aramid fabric
RE2-300F

1/4" Viton Elastomer w/ 2 plies of a blended Aramid fabric
RV2-400F

3/16" Viton Elastomer w/ 1 ply of a blended Aramid fabric & 2 plies of a knitted alloy wire mesh
RV3-400W

60 mil thick material consisting of PTFE, 2 plies of a fluorocarbon coated fabric and a 12 mil PTFE laminate between plies
RT2-575



EXPANSION JOINT SPECIFICATION SHEET

Prepared By:
Rubber Expansion Joint Division
Fluid Sealing Association

YOUR COMPANY		YOUR CUSTOMER		DATE: _____ THIS IS SHEET NO. _____ OF _____					
				PROPOSAL NUMBER: _____					
MAILING ADDRESS: _____		CUSTOMER NAME: _____							
		PROJECT NAME: _____							
CITY, STATE, ZIP CODE: _____		INQUIRY JOB NUMBER: _____							
NAME OF PERSON SUBMITTING DATA: _____ PHONE NO: _____		ITEM NO. TAG NO.		ITEM NO. TAG NO.		ITEM NO. TAG NO.			
NAME OF PERSON SUBMITTING DATA: _____ PHONE NO: _____		QUANTITY REQUIRED: _____		QUANTITY REQUIRED: _____		QUANTITY REQUIRED: _____			
SIZE	PIPE SIZE OF APPLICATION: Nominal pipe size or the inside diameter of the connecting pipe flange.	_____ INCHES		_____ INCHES		_____ INCHES			
	INSTALLED LENGTH: Is the space between connecting pipe flanges. Indicate limitations if any.	_____ INCHES		_____ INCHES		_____ INCHES			
FLOWING MEDIUM	FLOWING MEDIUM: Indicate chemical. If flowing medium is corrosive, abrasive, or viscous explain in detail.	_____							
	TYPE OF MEDIUM: Indicate if liquid, gas, slurry, solids etc.	_____							
	TEMPERATURE OF FLOWING MEDIUM: Indicate both operating and maximum temperatures at the expansion joint.	OPERATE	MAXIMUM	OPERATE	MAXIMUM	OPERATE	MAXIMUM		
	TEMPERATURE OF SURROUNDING ATMOSPHERE: Indicate both minimum and maximum temperatures of atmosphere at the expansion joint.	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM		
	TIME DURATION AT MAXIMUM TEMPERATURE: Indicate length of time.	_____							
	VELOCITY OF FLOWING MEDIUM: In feet per minute.	_____ FT. MIN.		_____ FT. MIN.		_____ FT. MIN.			
PRESSURES	OPERATING PRESSURE AT THE JOINT: Actual pressure which system works under normal conditions.	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE		
	DESIGN PRESSURE OF THE SYSTEM: Highest/most severe pressure expected during operation.	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE		
	SURGE PRESSURE OF THE SYSTEM: Increased pressure due to pump starts, valve closings, etc.	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE		
	TEST PRESSURE OF THE SYSTEM: Hydrostatic test used to demonstrate system capability.	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE		
	TYPE OF PRESSURE: Constant, intermittent, shock, pulsating, etc.	_____							
MOVEMENTS	AXIAL COMPRESSION AT JOINT: In inches as a result of pipe extension - expansion.	_____ INCHES		_____ INCHES		_____ INCHES			
	ACTUAL ELONGATION AT JOINT: In inches as a result of pipe contraction.	_____ INCHES		_____ INCHES		_____ INCHES			
	LATERAL DEFLECTION AT JOINT: In inches.	_____ INCHES		_____ INCHES		_____ INCHES			
	ANGULAR MOVEMENT AT JOINT: In degrees.	_____ DEGREES		_____ DEGREES		_____ DEGREES			
	TORSIONAL MOVEMENT AT JOINT: In degrees.	_____ DEGREES		_____ DEGREES		_____ DEGREES			
MISCELLANEOUS	PIPE FLANGE DRILLING: Indicate specific standard such as 150# ANSI B16.5. If special, provide: Flange O.D., Bolt, Circle, Number and Size of Holes.	SPECIFICATION: _____		SPECIFICATION: _____		SPECIFICATION: _____			
	MATING PIPE FLANGE THICKNESS In inches.	_____ INCHES		_____ INCHES		_____ INCHES			
	LOCATION OF JOINT INSTALLATION Indoors or Outdoors.	_____							
	RETAINING RINGS: Are required on all installations. Reusable, they need not be ordered with replacement or spare expansion joints.	YES OR NO: _____		YES OR NO: _____		YES OR NO: _____			
	CONTROL UNIT ASSEMBLIES: Are recommended for use in all expansion joint applications. Control units must be used when piping support or anchoring is insufficient.	YES OR NO: _____		YES OR NO: _____		YES OR NO: _____			
HYDROSTATIC TEST OF JOINT REQUIRED BY MANUFACTURER OF PRODUCT:		YES OR NO: _____		YES OR NO: _____		YES OR NO: _____			



Sheet Rubber

6005 Red SBR Sheet

Styrene Butadiene Rubber Sheet—Red

Applications

Recommended for low pressure applications such as washers and gaskets for the heating and plumbing trades. Low cost flange gasket material.

An economical, non-oil resistant compound that resists flow under compression. Offers moderate to good performance against low pressure and good aging, abrasion resistance and tear resistance. Easily conforms to uneven flange surfaces.



Physical Properties

Thickness Inches	Width Inches	Durometer Hardness Shore A ± 5	Tensile	Elongation	Temperature	Wt. Per Lin. Foot 36"	Finish	Specifications
1/8 thru 1/4	36, 48, 72	75	400	150	-20°F to +120°F	14-3.5	Smooth	ASTM D-1330-66 Class II ASTM D-2000 Type AA

6010 Natural Rubber Sheet

Floating Stock—Tan

Applications

For installation requiring high tensile and elongation characteristics along with superior abrasion resistance. Also suitable for applications requiring a soft rubber seal. Natural rubber conforms to irregular flanges with bolt loads.

Highly resilient, excellent abrasion and acid resistance and high tensile and tear strength. Bonds effectively to a wide range of materials. Resists most organic salts, acids and alkalis. Compound is non-marking and non-toxic.



Physical Properties

Thickness Inches	Width Inches	Durometer Hardness Shore A ± 5	Tensile	Elongation	Temperature	Wt. Per Lin. Foot 36"	Finish	Specifications
1/8 thru 1	36 & 48	60	3000	600	-20°F to +140°F	14-1.9	Smooth	ASTM D-2000-75e SAE J200-1AA 420 Mil B-3065 RN 42048

6060W White FDA Nitrile Sheet

Food Grade Sheet—White

Applications

A superior long life sheet used in all types of food processing and by manufacturers of pharmaceutical and cosmetic products.

A white nitrile food grade sheet made from FDA approved ingredients. Has good abrasive qualities and resistance to oily and greasy food products. This is a non-toxic, non-marking and non-allergenic sheet.



Physical Properties

Thickness Inches	Width Inches	Durometer Hardness Shore A ± 5	Tensile	Elongation	Temperature	Wt. Per Lin. Foot 36"	Finish	Specifications
1/8 thru 1/4	36	60	1200	650	-25°F to +220°F	14-2.8	Smooth	FDA Approved Non-Toxic Ingredients Non-Allergenic Non-Marking Good oil resistance

Sheet Rubber

6020 Diaphragm Sheet

Oil Resistant Diaphragm Sheet—Black

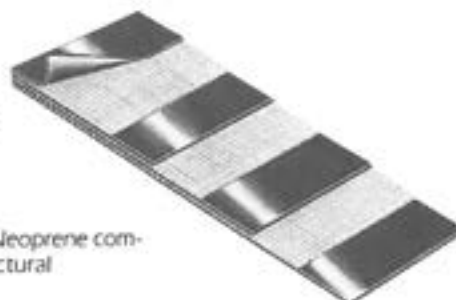
Applications

Strong flexible premium packing material used to transmit motions between fluids, gases and air in gauges, meters and valves.

An excellent weather stripping material. Manufactured with a high quality Neoprene compound for long service. Reinforced with high quality nylon for balanced structural strength over entire diaphragm area.

Physical Properties

Thickness Inches	Width Inches	Durometer Hardness Shore A ± 5	Tensile	Elongation	Compound	Temperature	Fabric Weight	Fabric Type	Oil Resistance	Finish
1/8 thru 1/4	48	70	1100	300	Neoprene	-20°F to +200°F	8.0 oz.	Polyester	Good	Smooth



6000 Commercial Neoprene Sheet

Oil and Ozone Resistant Neoprene Sheet—Black

Applications

Neoprene sheet is specially compounded to provide good resistance to oils and gasoline in such applications as gaskets and flanges in gas permeable situations. Also applicable for bumpers, pads, and sealing usages.

A commercial blend, Neoprene compound, adaptable to extreme weather conditions since it resists rotting, checking and cracking due to ozone exposure. Has good low temperature flexibility and is oil resistant. Meets ASTM specifications for IBC Material.

Physical Properties

Thickness Inches	Width Inches	Durometer Hardness Shore A ± 5	Tensile	Elongation	Temperature	Wt. Per Lin. Foot 36"	Finish	Specifications
1/8 thru 1	36 & 48	40	800	400	-20°F to +170°F	1/8-2.5	Smooth	ASTM D-2000-75e SAE J200, IBC 408 MI R-3065, SC 408
1/8 thru 1 1/8, 1/4, 1/2	36 & 48 72	50	800	300	-20°F to +170°F	1/8-2.6	Smooth	ASTM D-2000-75e SAE J200 IBC 508 MI R-3065, SC 508
1/8 thru 1 1/8, 1/4, 1/2	36 & 48 72	60	900	300	-20°F to +170°F	1/8-2.7	Smooth	ASTM D-2000-75e SAE J200 IBC 609 MI R-3605 SC 609
1/8 thru 1 1/8, 1/4, 1/2	36 & 48 72	70	1000	200	-20°F to +170°F	1/8-2.7	Smooth	ASTM D-2000-75e SAE J200 IBC 710 MI R-3065 SC 710
1/8 thru 1 1/8, 1/4, 1/2	36 & 48 72	80	1000	200	-20°F to +170°F	1/8-2.9	Smooth	ASTM D-2000-75e SAE J-200 IBC-810 MI R-3065 SC 810





Sheet Rubber

6660 Chute Lining Skirtboard



Commercial

A high grade SBR compound which has a 1500 PSI tensile strength ideal for skirtboard applications. Some typical applications are lining for chutes, launders, conveyor skirting, belt wipers and bumper stock.

Premium

A premium compound excellent for applications which require good abrasion resistance as well as resistance to gouging and tearing. Typical applications are sand blasting and shoot blast curtains.



Physical Properties

Color	Thickness Inches	Width Inches	Durometer Hardness Shore A ± 5	Tensile	Elongation	Temperature	Weight/lb	Finish
Blk	1/8 thru 1"	48	70	1500	300	-20°F to +120°F	2.4	Smooth
Blk	1/8 thru 1"	48	70	2500	350	-20°F to +120°F	2.6	Smooth

6015

Cloth Inserted Sheet

Applications

Excellent flange gaskets material for air, hot and cold water, saturated steam, low pressure steam or hydraulic services. Suited for all types of gauges, meters and valves where pressure areas are subject to movement.

A tough SBR compound and close weave polyester fabric construction. Perfect for custom cutting and off size applications and provides both flexibility and uniform structural strength. One ply of fabric per 1/16" thickness.



Physical Properties

Thickness Inches	Width Inches	Durometer Hardness Shore A ± 5	Tensile	Elongation	Compound	Temperature	Fabric Weight	Fabric Type	Oil Resistance	Finish
1/16 thru 1/4	36 & 48	65	400	200	SBR	-20°F to +120°F	4.0 oz.	Polyester	None	Smooth

SILICONE Series 6090 RUBBER SHEET



Manufactured to ZZ-R-765 and applicable MIL, AMS and SAE standards. Commercial grades available in durometers of 30 to 80. Standard sizes: 36" wide continuous lengths in 1/8" through 3/4" thicknesses; 24" x 24" and 36" x 36" sheets in 1/8" through 1" thicknesses. Thicker sheets, 2" and more available on order. Most sizes and specifications in stock for immediate delivery.

SILICONE Series 6080 SPONGE SHEET



SILICONE PRODUCTS

Closed cell sheet is manufactured to AMS and MIL specifications. Density can be selected to meet specific requirements for low closure load seals. 36" x 36" and 24" x 24" sheets in 1/8" through 1/2" thicknesses standard in medium brown gray or red optional. Most sizes and specifications in stock for immediate delivery.

Properties	AMS SPECIFICATION			
	3193	3194	3195	3196
Compression deflection (psi @ 75% original thickness)	6-14	12-20	6-14	12-20
Maximum density (lbs./cu. in.)	.020	.030	.020	.030
Compression set (% original deflection, max.)	60%	60%	60%	60%
Low temperature brittle point (°F)	-130	-130	-100	-100



Sponge Weather Stripping

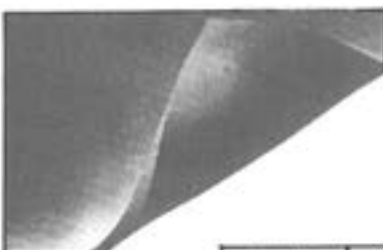


6655

Black color, cell sponge rubber joined with a non-stretch fabric backing over which is spread a pressure sensitive adhesive protected by an air-tight plastic cover. The exposed surface of the sponge has a very fine satin finish.

STOCK SIZES

Dimensions		Consumer Size Req. Length 10'	OSM Packaged Length 10'	OSM Bulk Pack	Dimensions		Consumer Size Req. Length 10'	OSM Packaged Length 10'/25'	OSM Bulk Pack
Thick	Width				Thick	Width			
1/8"	1/4"	—	No. 2250	No. 22100	5/16"	3/4"	No. 5310	No. 5350	No. 53100
1/8"	3/8"	—	2350	23100	3/16"	1/2"	5410	5450	54100
1/8"	1/2"	—	2450	24100	5/16"	3/4"	5610	5650	56100
1/8"	3/4"	—	2650	26100	5/16"	1"	5810	5850	58100
1/8"	1"	—	2850	28100	3/8"	3/8"	—	6150	61100
3/16"	1/4"	—	3250	32100	3/8"	1/2"	—	6450	64100
3/16"	3/8"	No. 3310	3350	33100	3/8"	3/4"	—	6650	66100
3/16"	1/2"	3410	3450	34100	3/8"	1"	—	6850	68100
3/16"	3/4"	3610	3650	36100	3/16"	3/8"	7310	7350	73100
3/16"	1"	—	3850	38100	3/16"	1/2"	7410	7450	74100
1/4"	1/4"	—	4250	42100	3/16"	3/4"	7610	7650	76100
1/4"	3/8"	—	4350	43100	3/16"	1"	7810	7850	78100
1/4"	1/2"	—	4450	44100	5/16"	1/2"	8410	8450	84100
1/4"	3/4"	—	4550	45100	5/16"	3/4"	—	8650	86100
1/4"	1"	—	4850	48100	5/16"	1"	8810	8850	88100



6650

CLOSED CELL

Closed cell sponge is an expanded, cellular rubber which consists of relatively small, non-connecting, gas-tight individual cells. Advantages are its very low water absorption characteristics, its ability to conform to curves, and its good insulating qualities. The exposed surface of the sponge has a velvet finish. Light in weight, bondable, and easily cut.

STOCK SIZES

Polymer	Stock No.	THICKNESS
Neoprene/EPDM/SBR Blend	NE541 NE542 NE543	AVAILABLE IN BUNS, SHEETS, ROLLS, STRIPPING
Cro-Prod	EPT41 EPT42	
Nitrile	NIT41 NIT42	
Neoprene	NEO41 NEO42	

Rubatex Adhesive

Series 6920

- R-27730
- Excellent for bonding neoprene to metal.
 - Canvas to masonite
 - Lagg and pulley

Solids (Average)

Available in Pints - Quarts - Gallons





Flange Gaskets

Series 6700-6716



Pipe Flange Gasket Size Chart

Ring Gaskets 150 lb. Flanges			Full Face Gaskets 150 lb. Flanges			Ring Gaskets 300 lb. Flanges			Full Face Gaskets 300 lb. Flanges		
Nom. Pipe Size	ASA Standard B 16.21		Nom. Pipe Size	ASA Standard B 16.21		Nom. Pipe Size	ASA Standard B 16.21		Nom. Pipe Size	ASA Standard B. 16.21	
	I.D.	O.D.		I.D.	O.D.		I.D.	O.D.		I.D.	O.D.
1/2	27/32	1 7/8	1/2	27/32	3 1/2	1/2	27/32	2 1/8	1/2	27/32	3 3/4
3/4	1 1/16	2 1/4	3/4	1 1/16	3 7/8	3/4	1 1/16	2 5/8	3/4	1 1/16	4 5/8
1	1 5/16	2 5/8	1	1 5/16	4 1/4	1	1 5/16	2 7/8	1	1 5/16	4 7/8
1 1/4	1 21/32	3	1 1/4	1 21/32	4 5/8	1 1/4	1 21/32	3 1/4	1 1/4	1 21/32	5 1/4
1 1/2	1 29/32	3 3/8	1 1/2	1 29/32	5	1 1/2	1 29/32	3 3/4	1 1/2	1 29/32	6 1/8
2	2 3/8	4 1/8	2	2 3/8	6	2	2 3/8	4 3/8	2	2 3/8	6 1/2
2 1/2	2 7/8	4 7/8	2 1/2	2 7/8	7	2 1/2	2 7/8	5 1/8	2 1/2	2 7/8	7 1/2
3	3 1/2	5 3/8	3	3 1/2	7 1/2	3	3 1/2	5 7/8	3	3 1/2	8 1/4
3 1/2	4	6 3/8	3 1/2	4	8 1/2	3 1/2	4	6 1/2	3 1/2	4	9
4	4 1/2	6 7/8	4	4 1/2	9	4	4 1/2	7 1/8	4	4 1/2	10
4 1/2	5	7	4 1/2	5	9 1/4	4 1/2	5	7 5/8	4 1/2	5	10 1/2
5	5 9/16	7 3/4	5	5 9/16	10	5	5 9/16	8 1/2	5	5 9/16	11
6	6 5/8	8 3/4	6	6 5/8	11	6	6 5/8	9 7/8	6	6 5/8	12 1/2
7	7 5/8	10	7	7 5/8	12 1/2	7	7 5/8	10 7/8	7	7 5/8	14
8	8 5/8	11	8	8 5/8	13 1/2	8	8 5/8	12 1/8	8	8 5/8	15
9	9 5/8	12 1/2	9	9 5/8	15	9	9 5/8	12 1/8	9	9 5/8	16 1/4
10	10 3/4	13 3/8	10	10 3/4	16	10	10 3/4	14 1/4	10	10 3/4	17 1/2
12	12 3/4	16 1/8	12	12 3/4	19	12	12 3/4	16 5/8	12	12 3/4	20 1/2
14	14	17 3/4	14	14	21	14	14	19 1/8	14	14	23
16	16	20 1/4	16	16	23 1/2	16	16	21 1/4	16	16	25 1/2
18	18	21 5/8	18	18	25	18	18	23 1/2	18	18	28
20	20	23 7/8	20	20	27 1/2	20	20	25 3/4	20	20	30 1/2
22	22	26	22	22	29 1/2	22	21	27 5/8	22	22	33
24	24	28 1/4	24	24	32	24	24	30 1/2	24	24	36
26	26	30 1/2	26	26	34 1/4						
28	28	32 3/4	28	28	36 1/2						
30	30	34 3/4	30	30	38 3/4						
32	32	37	32	32	41 3/4						
34	34	39	34	34	43 3/4						
36	36	41 1/4	36	36	46						
38	38	43 3/8	38	38	48 3/4						
40	40	45 5/8	40	40	50 3/4						
42	42	48	42	42	53						
44	44	50 1/8	44	44	55 1/4						
46	46	52 1/8	46	46	57 1/4						
48	48	54 1/2	48	48	59 1/2						

PIPE FLANGE GASKETS are available in a broad range of materials.
Just **CALL US** with your requirements.



Gasket Tools & Arch Punches

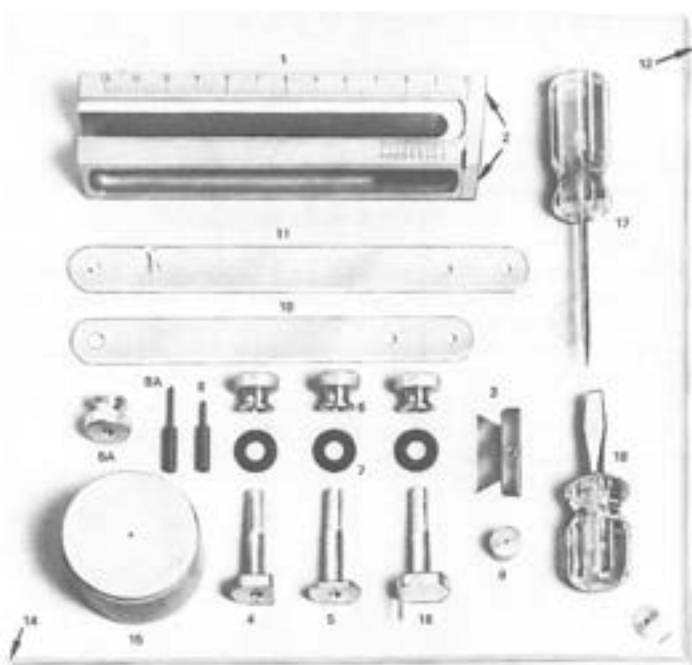
Series 6870

ALLPAX EXTENSION GASKET CUTTER

The Allpax Extension Gasket Cutter saves money and costly down-time by enabling anyone to cut accurate gaskets, quickly and efficiently, on the job, when they are needed! Cuts all gasketing materials, including compressed non asbestos, cork, rubber, Teflon®, fibre, etc. Cutting capacity from 1/4" to 60" in diameter, and up to 3/4" thick. An efficient and easy-to-use tool that eliminates waste and costly errors. Available in six convenient kits to meet a broad range of cutting requirements.

Style No. 1, capacity to 12"
Style No. 2, capacity to 24"
Style No. 3, capacity to 36"
Style No. 4, capacity to 48"
Style No. 5, capacity to 60"
Style No. 6, capacity to 12"

All Styles packed in metal box. See parts list for parts contained in each Style. Style No. 6 is less Fig. 12 Cutting Board.



- Fig. 1 Cutter Block & Head
- Fig. 2 Cutter Head Screws
- Fig. 3 Cutting Blades (6 per pkg.)
- Fig. 4 Pivot Post
- Fig. 5 Pivot Post for Extension Bars
- Fig. 6 Thumb Nut
- Fig. 6A Thumb Nut for Fig. 11
- Fig. 7 Fibre Washer
- Fig. 8 Short Center Pin
- Fig. 8A Long Center Pin
- Fig. 9 Center Pin Ferrule
- Fig. 10 Extension Bar (12" to 24")
- Fig. 11 Extension Bar (over 24")
- Fig. 12 Cutting Board Complete
- Fig. 14 Cutting Pad
- Fig. 15 Cutting Knob
- Fig. 16 Post with Offset Pin
- Fig. 17 Piercing Tool
- Fig. 18 Screw Driver

ADDITIONAL PARTS AVAILABLE

- Fig. 3A Heavy Duty Cutting Blades (6 per pkg.)
- Fig. 12A Cutting Board complete, size 24" x 24"
- Fig. 12B Cutting Board complete, size 30" x 30"
- Fig. 14A Cutting Pad, size 24" x 24"
- Fig. 14B Cutting Pad, size 30" x 30"



ARCH PUNCH SET

K-16

This set of seven arch punches includes the sizes incremented by 2/16". They are put up in a sturdy, easy to use canvas tool roll as shown.

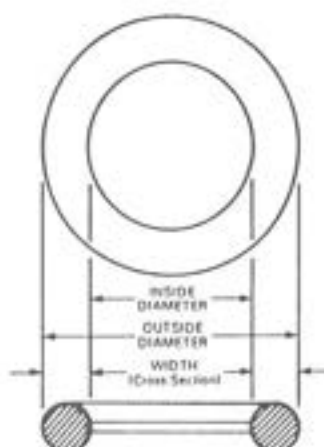
1 each of following sizes Osborne No. 149 - Arch Punch:						
Sizes (inches)	3/16	5/16	7/16	9/16	11/16	13/16
Weight per set (lbs)	4					
UPC No.	01181					

O-Rings - Dimensions & Materials

Series 6825

O-RING SIZE:

How determined



O-Ring size is defined by inside diameter and width (cross section) and is listed in both fractional and decimal dimensions with tolerances.

SPECIAL SIZES, MATERIALS AND HARDNESS

- (1) Miniature "O" Rings
- (2) Large "O" Rings, molded and spliced
- (4) Mechanical Seals

Contact us for Optimum Engineering, Quality and Delivery at Competitive Pricing.

O-RING MATERIAL

How determined

Base your selection on:

1. How the unit will operate (will it be static or dynamic sealing?)
2. The media to be sealed (fluid, gas, specific chemicals, etc.)
3. Temperature range.
4. Pressure range (higher pressure requires higher durometer—HARDER O-Ring)
5. For immediate shipment select from (or design to) proper Standard O-Rings in this listing.

CAT. NO.	FRACTIONAL REFERENCE			ACTUAL DIMENSIONS		CAT. NO.	FRACTIONAL REFERENCE			ACTUAL DIMENSIONS	
	I.D.	O.D.	Width	I.D. Tol.	W. Tol.		I.D.	O.D.	Width	I.D. Tol.	W. Tol.
001	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{16}$	.029 ± .003	.040 ± .001	150	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{8}$	2.862 ± .015	.103 ± .003
001 1/2	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	.050 ± .004	.040 ± .003	151	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{8}$	2.987 ± .015	.103 ± .003
002	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	.042 ± .004	.050 ± .003	152	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{8}$	2.237 ± .015	.103 ± .003
003	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.055 ± .005	.060 ± .003	153	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{16}$	2.487 ± .015	.103 ± .003
004	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.070 ± .005	.070 ± .003	154	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{16}$	3.737 ± .015	.103 ± .003
005	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.100 ± .005	.070 ± .003	155	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	3.987 ± .015	.103 ± .003
006	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.114 ± .005	.070 ± .003	156	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	4.237 ± .015	.103 ± .003
007	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.145 ± .005	.070 ± .003	157	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	4.487 ± .015	.103 ± .003
008	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.175 ± .005	.070 ± .003	158	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	4.737 ± .015	.103 ± .003
009	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.208 ± .005	.070 ± .003	159	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	4.987 ± .015	.103 ± .003
010	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.239 ± .005	.070 ± .003	160	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	5.237 ± .015	.103 ± .003
011	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.301 ± .005	.070 ± .003	161	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	5.487 ± .015	.103 ± .003
012	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.364 ± .005	.070 ± .003	162	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	5.737 ± .015	.103 ± .003
013	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.426 ± .005	.070 ± .003	163	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	5.987 ± .015	.103 ± .003
014	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.489 ± .005	.070 ± .003	164	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	6.237 ± .015	.103 ± .003
015	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.551 ± .005	.070 ± .003	165	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	6.487 ± .015	.103 ± .003
016	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.614 ± .005	.070 ± .003	166	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	6.737 ± .015	.103 ± .003
017	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.676 ± .005	.070 ± .003	167	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	6.987 ± .015	.103 ± .003
018	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.739 ± .005	.070 ± .003	168	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	7.237 ± .015	.103 ± .003
019	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.801 ± .006	.070 ± .003	169	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	7.487 ± .015	.103 ± .003
020	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.864 ± .006	.070 ± .003	170	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	7.737 ± .015	.103 ± .003
021	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.926 ± .006	.070 ± .003	171	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	7.987 ± .015	.103 ± .003
022	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	.989 ± .006	.070 ± .003	172	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	8.237 ± .015	.103 ± .003
023	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.051 ± .006	.070 ± .003	173	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	8.487 ± .015	.103 ± .003
024	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.114 ± .006	.070 ± .003	174	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	8.737 ± .015	.103 ± .003
025	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.176 ± .006	.070 ± .003	175	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	8.987 ± .015	.103 ± .003
026	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.239 ± .006	.070 ± .003	176	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	9.237 ± .015	.103 ± .003
027	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.301 ± .006	.070 ± .003	177	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	9.487 ± .015	.103 ± .003
028	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.364 ± .006	.070 ± .003	178	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	9.737 ± .015	.103 ± .003
029	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.426 ± .006	.070 ± .003	201	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.171 ± .005	.139 ± .004
030	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.489 ± .006	.070 ± .003	202	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.234 ± .005	.139 ± .004
031	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.551 ± .006	.070 ± .003	203	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.296 ± .005	.139 ± .004
032	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.614 ± .006	.070 ± .003	204	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.359 ± .005	.139 ± .004
033	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.676 ± .006	.070 ± .003	205	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.421 ± .005	.139 ± .004
034	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.739 ± .006	.070 ± .003	206	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.484 ± .005	.139 ± .004
035	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.801 ± .006	.070 ± .003	207	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.546 ± .005	.139 ± .004
036	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.864 ± .006	.070 ± .003	208	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.609 ± .005	.139 ± .004
037	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.926 ± .006	.070 ± .003	209	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.671 ± .005	.139 ± .004
038	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	1.989 ± .006	.070 ± .003	210	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.734 ± .006	.139 ± .004
039	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.051 ± .006	.070 ± .003	211	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.796 ± .006	.139 ± .004
040	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.114 ± .006	.070 ± .003	212	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.859 ± .006	.139 ± .004
041	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.176 ± .006	.070 ± .003	213	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.921 ± .006	.139 ± .004
042	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.239 ± .006	.070 ± .003	214	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	1.984 ± .006	.139 ± .004
043	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.301 ± .006	.070 ± .003	215	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.046 ± .006	.139 ± .004
044	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.364 ± .006	.070 ± .003	216	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.109 ± .006	.139 ± .004
045	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.426 ± .006	.070 ± .003	217	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.171 ± .006	.139 ± .004
046	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.489 ± .006	.070 ± .003	218	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.234 ± .006	.139 ± .004
047	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.551 ± .006	.070 ± .003	219	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.296 ± .006	.139 ± .004
048	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.614 ± .006	.070 ± .003	220	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.359 ± .006	.139 ± .004
049	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.676 ± .006	.070 ± .003	221	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.421 ± .006	.139 ± .004
050	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{8}$	2.739 ± .006	.070 ± .003	222	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.484 ± .006	.139 ± .004
101	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	2.801 ± .006	.070 ± .003	223	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.546 ± .006	.139 ± .004
102	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	2.864 ± .006	.070 ± .003	224	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.609 ± .006	.139 ± .004
103	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	2.926 ± .006	.070 ± .003	225	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.671 ± .006	.139 ± .004
104	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	2.989 ± .006	.070 ± .003	226	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.734 ± .006	.139 ± .004
105	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.051 ± .006	.070 ± .003	227	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.796 ± .006	.139 ± .004
106	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.114 ± .006	.070 ± .003	228	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.859 ± .006	.139 ± .004
107	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.176 ± .006	.070 ± .003	229	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.921 ± .006	.139 ± .004
108	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.239 ± .006	.070 ± .003	230	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	2.984 ± .006	.139 ± .004
109	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.301 ± .006	.070 ± .003	231	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.046 ± .006	.139 ± .004
110	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.364 ± .006	.070 ± .003	232	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.109 ± .006	.139 ± .004
111	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.426 ± .006	.070 ± .003	233	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.171 ± .006	.139 ± .004
112	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.489 ± .006	.070 ± .003	234	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.234 ± .006	.139 ± .004
113	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.551 ± .006	.070 ± .003	235	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.296 ± .006	.139 ± .004
114	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.614 ± .006	.070 ± .003	236	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.359 ± .006	.139 ± .004
115	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.676 ± .006	.070 ± .003	237	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.421 ± .006	.139 ± .004
116	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.739 ± .006	.070 ± .003	238	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.484 ± .006	.139 ± .004
117	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.801 ± .006	.070 ± .003	239	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.546 ± .006	.139 ± .004
118	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.864 ± .006	.070 ± .003	240	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.609 ± .006	.139 ± .004
119	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.926 ± .006	.070 ± .003	241	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.671 ± .006	.139 ± .004
120	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	3.989 ± .006	.070 ± .003	242	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	3.734 ± .006	.139 ± .004
121	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	4.051 ± .006	.070 ± .003	24					



O-Rings - Dimensions & Materials

CAT. NO.	FRACTIONAL REFERENCE			ACTUAL DIMENSIONS		CAT. NO.	FRACTIONAL REFERENCE			ACTUAL DIMENSIONS	
	I.D.	O.D.	Width	L.D. Tol.	W. Tol.		I.D.	O.D.	Width	L.D. Tol.	W. Tol.
-270	9	9 1/2	1/8	8.984 ± .030	.139 ± .004	-350	21	21 1/4	3/8	20.951 ± .048	.210 ± .005
-271	9 1/4	9 1/2	1/8	9.234 ± .030	.139 ± .004	-351	22	22 1/4	3/8	21.953 ± .048	.210 ± .005
-272	9 1/2	9 1/2	1/8	9.484 ± .030	.139 ± .004	-352	23	23 1/4	3/8	22.940 ± .060	.210 ± .005
-273	9 3/4	10	1/8	9.734 ± .030	.139 ± .004	-353	24	24 1/4	3/8	23.940 ± .060	.210 ± .005
-274	10	10 1/2	1/8	9.984 ± .030	.139 ± .004	-354	25	25 1/4	3/8	24.940 ± .060	.210 ± .005
-275	10 1/4	10 1/2	1/8	10.484 ± .030	.139 ± .004	-355	26	26 1/4	3/8	25.940 ± .060	.210 ± .005
-276	10 1/2	10 1/2	1/8	10.734 ± .030	.139 ± .004	-425	4 1/2	5	1/4	4.475 ± .015	.275 ± .006
-277	10 3/4	11 1/4	1/8	11.484 ± .030	.139 ± .004	-426	4 3/4	5 1/4	1/4	4.600 ± .015	.275 ± .006
-278	11	11 1/2	1/8	11.734 ± .030	.139 ± .004	-427	4 1/2	5 1/4	1/4	4.725 ± .015	.275 ± .006
-279	11 1/4	11 1/2	1/8	12.484 ± .030	.139 ± .004	-428	4 3/4	5 1/4	1/4	4.850 ± .015	.275 ± .006
-280	11 1/2	11 1/2	1/8	12.734 ± .030	.139 ± .004	-429	5	5 1/4	1/4	4.975 ± .015	.275 ± .006
-281	11 3/4	12 1/4	1/8	13.484 ± .030	.139 ± .004	-430	5 1/4	5 3/4	1/4	5.100 ± .023	.275 ± .006
-282	12	12 1/2	1/8	13.734 ± .030	.139 ± .004	-431	5 1/2	5 3/4	1/4	5.225 ± .023	.275 ± .006
-283	12 1/4	12 1/2	1/8	14.484 ± .030	.139 ± .004	-432	5 3/4	5 3/4	1/4	5.350 ± .023	.275 ± .006
-284	12 1/2	12 1/2	1/8	14.734 ± .030	.139 ± .004	-433	5 1/2	6	1/4	5.475 ± .023	.275 ± .006
-285	12 3/4	13 1/4	1/8	15.484 ± .030	.139 ± .004	-434	5 3/4	6 1/4	1/4	5.600 ± .023	.275 ± .006
-286	13	13 1/2	1/8	15.734 ± .030	.139 ± .004	-435	5 1/2	6 1/4	1/4	5.725 ± .023	.275 ± .006
-287	13 1/4	13 1/2	1/8	16.484 ± .030	.139 ± .004	-436	5 3/4	6 1/4	1/4	5.850 ± .023	.275 ± .006
-288	13 1/2	13 1/2	1/8	16.734 ± .030	.139 ± .004	-437	6	6 1/4	1/4	5.975 ± .023	.275 ± .006
-289	13 3/4	14 1/4	1/8	17.484 ± .030	.139 ± .004	-438	6 1/4	6 1/4	1/4	6.225 ± .023	.275 ± .006
-290	14	14 1/2	1/8	17.734 ± .030	.139 ± .004	-439	6 3/4	7	1/4	6.475 ± .023	.275 ± .006
-291	14 1/4	14 1/2	1/8	18.484 ± .030	.139 ± .004	-440	6 1/2	7 1/4	1/4	6.725 ± .023	.275 ± .006
-292	14 1/2	14 1/2	1/8	18.734 ± .030	.139 ± .004	-441	7	7 1/4	1/4	6.975 ± .023	.275 ± .006
-293	14 3/4	15 1/4	1/8	19.484 ± .030	.139 ± .004	-442	7 1/4	7 3/4	1/4	7.225 ± .030	.275 ± .006
-294	15	15 1/2	1/8	19.734 ± .030	.139 ± .004	-443	7 3/4	8	1/4	7.475 ± .030	.275 ± .006
-295	15 1/4	15 1/2	1/8	20.484 ± .030	.139 ± .004	-444	7 1/2	8 1/4	1/4	7.725 ± .030	.275 ± .006
-296	15 1/2	15 1/2	1/8	20.734 ± .030	.139 ± .004	-445	8	8 1/4	1/4	7.975 ± .030	.275 ± .006
-297	15 3/4	16 1/4	1/8	21.484 ± .030	.139 ± .004	-446	8 1/2	9	1/4	8.475 ± .030	.275 ± .006
-298	16	16 1/2	1/8	21.734 ± .030	.139 ± .004	-447	9	9 1/4	1/4	8.975 ± .030	.275 ± .006
-299	16 1/4	16 1/2	1/8	22.484 ± .030	.139 ± .004	-448	9 1/2	10	1/4	9.475 ± .030	.275 ± .006
-300	16 1/2	16 1/2	1/8	22.734 ± .030	.139 ± .004	-449	10	10 1/4	1/4	9.975 ± .030	.275 ± .006
-301	16 3/4	17 1/4	1/8	23.484 ± .030	.139 ± .004	-450	10 1/2	11	1/4	10.475 ± .030	.275 ± .006
-302	17	17 1/2	1/8	23.734 ± .030	.139 ± .004	-451	11	11 1/4	1/4	10.975 ± .030	.275 ± .006
-303	17 1/4	17 1/2	1/8	24.484 ± .030	.139 ± .004	-452	11 1/2	12	1/4	11.475 ± .030	.275 ± .006
-304	17 1/2	17 1/2	1/8	24.734 ± .030	.139 ± .004	-453	12	12 1/4	1/4	11.975 ± .030	.275 ± .006
-305	17 3/4	18 1/4	1/8	25.484 ± .030	.139 ± .004	-454	12 1/2	13	1/4	12.475 ± .030	.275 ± .006
-306	18	18 1/2	1/8	25.734 ± .030	.139 ± .004	-455	13	13 1/4	1/4	12.975 ± .030	.275 ± .006
-307	18 1/4	18 1/2	1/8	26.484 ± .030	.139 ± .004	-456	13 1/2	14	1/4	13.475 ± .030	.275 ± .006
-308	18 1/2	18 1/2	1/8	26.734 ± .030	.139 ± .004	-457	14	14 1/4	1/4	13.975 ± .030	.275 ± .006
-309	18 3/4	19 1/4	1/8	27.484 ± .030	.139 ± .004	-458	14 1/2	15	1/4	14.475 ± .030	.275 ± .006
-310	19	19 1/2	1/8	27.734 ± .030	.139 ± .004	-459	15	15 1/4	1/4	14.975 ± .030	.275 ± .006
-311	19 1/4	19 1/2	1/8	28.484 ± .030	.139 ± .004	-460	15 1/2	16	1/4	15.475 ± .030	.275 ± .006
-312	19 1/2	19 1/2	1/8	28.734 ± .030	.139 ± .004	-461	16	16 1/4	1/4	15.975 ± .030	.275 ± .006
-313	19 3/4	20 1/4	1/8	29.484 ± .030	.139 ± .004	-462	16 1/2	17	1/4	16.475 ± .030	.275 ± .006
-314	20	20 1/2	1/8	29.734 ± .030	.139 ± .004	-463	17	17 1/4	1/4	16.975 ± .030	.275 ± .006
-315	20 1/4	20 1/2	1/8	30.484 ± .030	.139 ± .004	-464	17 1/2	18	1/4	17.475 ± .030	.275 ± .006
-316	20 1/2	20 1/2	1/8	30.734 ± .030	.139 ± .004	-465	18 1/2	19	1/4	17.975 ± .030	.275 ± .006
-317	20 3/4	21 1/4	1/8	31.484 ± .030	.139 ± .004	-466	18 1/4	19 1/4	1/4	18.475 ± .030	.275 ± .006
-318	21	21 1/2	1/8	31.734 ± .030	.139 ± .004	-467	19	19 1/4	1/4	18.975 ± .030	.275 ± .006
-319	21 1/4	21 1/2	1/8	32.484 ± .030	.139 ± .004	-468	19 1/2	20	1/4	19.475 ± .030	.275 ± .006
-320	21 1/2	21 1/2	1/8	32.734 ± .030	.139 ± .004	-469	20	20 1/4	1/4	19.975 ± .030	.275 ± .006
-321	21 3/4	22 1/4	1/8	33.484 ± .030	.139 ± .004	-470	21	21 1/4	1/4	20.955 ± .048	.275 ± .005
-322	22	22 1/2	1/8	33.734 ± .030	.139 ± .004	-471	22	22 1/4	1/4	21.953 ± .048	.275 ± .005
-323	22 1/4	22 1/2	1/8	34.484 ± .030	.139 ± .004	-472	23	23 1/4	1/4	22.940 ± .060	.275 ± .005
-324	22 1/2	22 1/2	1/8	34.734 ± .030	.139 ± .004	-473	24	24 1/4	1/4	23.940 ± .060	.275 ± .005
-325	22 3/4	23 1/4	1/8	35.484 ± .030	.139 ± .004	-474	25	25 1/4	1/4	24.940 ± .060	.275 ± .005
-326	23	23 1/2	1/8	35.734 ± .030	.139 ± .004	-475	26	26 1/4	1/4	25.940 ± .060	.275 ± .005
-327	23 1/4	23 1/2	1/8	36.484 ± .030	.139 ± .004						
-328	23 1/2	23 1/2	1/8	36.734 ± .030	.139 ± .004						
-329	23 3/4	24 1/4	1/8	37.484 ± .030	.139 ± .004						
-330	24	24 1/2	1/8	37.734 ± .030	.139 ± .004						
-331	24 1/4	24 1/2	1/8	38.484 ± .030	.139 ± .004						
-332	24 1/2	24 1/2	1/8	38.734 ± .030	.139 ± .004						
-333	24 3/4	25 1/4	1/8	39.484 ± .030	.139 ± .004						
-334	25	25 1/2	1/8	39.734 ± .030	.139 ± .004						
-335	25 1/4	25 1/2	1/8	40.484 ± .030	.139 ± .004						
-336	25 1/2	25 1/2	1/8	40.734 ± .030	.139 ± .004						
-337	25 3/4	26 1/4	1/8	41.484 ± .030	.139 ± .004						
-338	26	26 1/2	1/8	41.734 ± .030	.139 ± .004						
-339	26 1/4	26 1/2	1/8	42.484 ± .030	.139 ± .004						
-340	26 1/2	26 1/2	1/8	42.734 ± .030	.139 ± .004						
-341	26 3/4	27 1/4	1/8	43.484 ± .030	.139 ± .004						
-342	27	27 1/2	1/8	43.734 ± .030	.139 ± .004						
-343	27 1/4	27 1/2	1/8	44.484 ± .030	.139 ± .004						
-344	27 1/2	27 1/2	1/8	44.734 ± .030	.139 ± .004						
-345	27 3/4	28 1/4	1/8	45.484 ± .030	.139 ± .004						
-346	28	28 1/2	1/8	45.734 ± .030	.139 ± .004						
-347	28 1/4	28 1/2	1/8	46.484 ± .030	.139 ± .004						
-348	28 1/2	28 1/2	1/8	46.734 ± .030	.139 ± .004						
-349	28 3/4	29 1/4	1/8	47.484 ± .030	.139 ± .004						
-350	29	29 1/2	1/8	47.734 ± .030	.139 ± .004						
-351	29 1/4	29 1/2	1/8	48.484 ± .030	.139 ± .004						
-352	29 1/2	29 1/2	1/8	48.734 ± .030	.139 ± .004						
-353	29 3/4	30 1/4	1/8	49.484 ± .030	.139 ± .004						
-354	30	30 1/2	1/8	49.734 ± .030	.139 ± .004						
-355	30 1/4	30 1/2	1/8	50.484 ± .030	.139 ± .004						
-356	30 1/2	30 1/2	1/8	50.734 ± .030	.139 ± .004						
-357	30 3/4	31 1/4	1/8	51.484 ± .030	.139 ± .004						
-358	31	31 1/2	1/8	51.734 ± .030	.139 ± .004						
-359	31 1/4	31 1/2	1/8	52.484 ± .030	.139 ± .004						
-360	31 1/2	31 1/2	1/8	52.734 ± .030	.139 ± .004						
-361	31 3/4	32 1/4	1/8	53.484 ± .030	.139 ± .004						
-362	32	32 1/2	1/8	53.734 ± .030	.139 ± .004						
-363	32 1/4	32 1/2	1/8	54.484 ± .030	.139 ± .004						
-364	32 1/2	32 1/2	1/8	54.734 ± .030	.139 ± .004						
-365	32 3/4	33 1/4	1/8	55.484 ± .030	.139 ± .004						
-366	33	33 1/2	1/8	55.734 ± .030	.139 ± .004						
-367	33 1/4	33 1/2	1/8	56.484 ± .030	.139 ± .004						
-368	33 1/2	33 1/2	1/8	56.734 ± .030	.139 ± .004						
-369	33 3/4	34 1/4	1/8	57.484 ± .030	.139 ± .004						
-370	34	34 1/2	1/8	57.734 ± .030	.139 ± .004						
-371	34 1/4	34 1/2	1/8	58.484 ± .030	.139 ± .004						
-372	34 1/2	34 1/2	1/8	58.734 ± .030	.139 ± .004					</	



O-Ring Kits



O-Ring Kits

Series 6828

Kits are ready to use in compact, self-contained, plastic cases. The most popular standard and metric sizes are available in several different compounds. The charts below indicate available configurations.

No. 6828-070

No. 6828-085

STANDARD KITS			
SIZE	NUMBER OF PIECES		
	TYPE B*	TYPE A**	CONTOURED BACK-UP RINGS***
006	20	16	26
007	20	16	26
008	20	16	26
009	20	16	26
010	20	16	26
011	20	16	26
012	20	16	26
110	13	16	26
111	13	16	26
112	13	16	26
113	13	16	26
114	13	16	26
115	13	16	26
116	13	16	26
210	10	12	26
211	10	12	26
212	10	12	26
213	10	12	26
214	10	12	26
215	10	12	26
216	10	12	26
217	10	12	26
218	10	12	26
219	10	12	26
220	10	7	26
221	10	7	26
222	10	7	26
325	7	5	18
326	7	5	18
327	7	5	18

METRIC KITS****	
SIZE	NUMBER OF PIECES
2.00 x 3.00	16
2.00 x 4.00	16
2.00 x 5.00	16
2.00 x 6.00	16
2.00 x 7.00	16
2.00 x 8.00	16
2.00 x 10.00	16
2.50 x 10.00	13
2.50 x 11.00	13
2.50 x 12.00	13
2.50 x 14.00	13
2.50 x 16.00	13
2.50 x 17.00	13
2.50 x 19.00	13
3.00 x 19.00	11
3.00 x 20.00	12
3.00 x 22.00	12
3.00 x 24.00	12
3.00 x 25.00	12
3.00 x 27.00	12
3.00 x 28.00	12
3.00 x 30.00	12
3.00 x 32.00	12
3.00 x 33.00	12
3.00 x 35.00	12
3.00 x 36.00	12
3.00 x 38.00	12
4.00 x 38.00	9
4.00 x 41.00	9
4.00 x 44.00	9

*TYPE B		
COMPOUND	HARDNESS	PART NO.
Buna-N	70 Durometer	H70K
Buna-N	90 Durometer	H90K
Viton® (Black)	75 Durometer	V70K
Viton® (Brown)	75 Durometer	VB75K
Viton® (Black)	90 Durometer	V90K
Silicone	70 Durometer	S70K
Aflas®	80 Durometer	A80K
Neoprene	70 Durometer	N70K
EPR	70 Durometer	E70K
Buna-N O-Rings	70 Durometer	QH70K
Urethane	90 Durometer	U90K
**TYPE A		
Teflon®	-	TFEK
***CONTOURED BACK-UP RINGS		
Buna-N	90 Durometer	HB90K

****METRIC KITS		
COMPOUND	HARDNESS	PART NO.
Buna-N	70 Durometer	M70K
Viton® (Black)	75 Durometer	MV75K

**For COMPLETE SPECIFICATIONS
and PRICES Call Us**

O-Ring Cord Stock

Series 6835



Style 0284

Buna-N O-Ring Cord
70 Durometer

Cross Section		Part Number
Nominal (Inches)	Actual (Inches)	
1/16	.070 ± .005	0284070
3/32	.093 ± .005	0284093
	.103 ± .005	0284103
1/8	.125 ± .005	0284125
	.139 ± .007	0284139
3/16	.187 ± .007	0284187
	.210 ± .007	0284210
1/4	.250 ± .008	0284250
	.275 ± .008	0284275
5/16	.312 ± .010	0284312
3/8	.375 ± .010	0284375
7/16	.437 ± .010	0284437
1/2	.500 ± .012	0284500
9/16	.562 ± .012	0284562
5/8	.625 ± .012	0284625
3/4	.750 ± .016	0284750
7/8	.875 ± .020	0284875
1	1.000 ± .020	02841

Style 0284H

Buna-N O-Ring Cord
90 Durometer

Cross Section		Part Number
Nominal (Inches)	Actual (Inches)	
3/32	.103 ± .005	0284H103
1/8	.125 ± .005	0284H125
	.139 ± .007	0284H139
3/16	.187 ± .007	0284H187
	.210 ± .007	0284H210
1/4	.250 ± .008	0284H250
	.275 ± .008	0284H275
5/16	.312 ± .010	0284H312
3/8	.375 ± .010	0284H375
7/16	.437 ± .010	0284H437
1/2	.500 ± .012	0284H500

Style 0Q284

Buna-N Q-Ring Cord
70 Durometer

Cross Section		Part Number
Nominal (Inches)	Actual (Inches)	
3/32	.103 ± .010	0Q284103
1/8	.139 ± .010	0Q284139
3/16	.210 ± .010	0Q284210
1/4	.275 ± .010	0Q284275
1/2	.500 ± .010	0Q284500

Style 0M284B

Buna-N O-Ring Cord
70 Durometer (Metric)

Cross Section		Part Number
Millimeters	Inches	
2	.079 ± .005	0M284B2
2.4	.094 ± .005	0M284B2.4
3	.118 ± .006	0M284B3
4	.157 ± .007	0M284B4
5	.196 ± .007	0M284B5
5.7	.224 ± .007	0M284B5.7
6	.236 ± .007	0M284B6
8	.315 ± .010	0M284B8
10	.394 ± .010	0M284B10

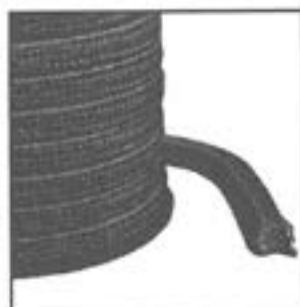
Style 0296

Buna-N O-Ring Cord
70 Durometer (Square)

Cross Section		Part Number
Nominal (Inches)	Actual (Inches)	
1/8	.133 ± .007	0296133
3/16	.202 ± .010	0296202
1/4	.264 ± .016	0296264
5/16	.313 ± .020	0296313
3/8	.375 ± .020	0296375
1/2	.500 ± .025	0296500



Braided Packing-Series 6850



**Many Other Packings
Available. Call With
Specifications.**

STYLE 300

DESCRIPTION: DuPont's continuous filament Kevlar® is impregnated with a PTFE suspensoid and an inert lubricant, then braided into dense resilient packing.

CONSTRUCTION: Interlock braided (1/8" and 3/16" plaited)
TEMPERATURE: 500° F (260° C)
PH RANGE: 2-12
SHAFT SPEED: 2200 FPM (10 MPS)
PRESSURE: 500 PSI
USES: Pump and valve packing for moderate uses. The high tensile strength of Kevlar® makes this packing ideally suited for slurry and abrasive service.

STYLE 320

DESCRIPTION: Kynol, a type of phenolic fiber, is impregnated with PTFE suspensoid. A special non-contaminating break-in lube is added.

CONSTRUCTION: Interlock braided (1/8" and 3/16" plaited)
TEMPERATURE: 500° F (260° C)
PH RANGE: 1-13
SHAFT SPEED: 1500 FPM (7.6 MPS)
PRESSURE: 500 PSI
USES: Moderate pump and valve services. Not for sulfuric acids or strong bases.

STYLE 344

DESCRIPTION: Pure PTFE fiber is impregnated with PTFE suspensoid. 344FDA is a food grade variant.

CONSTRUCTION: Interlock braided (1/8" and 3/16" plaited)
TEMPERATURE: 500° F (260° C)
PH RANGE: 0-14
SHAFT SPEED: 1000 FPM (5 MPS)
PRESSURE: 300 PSI
USES: Extreme chemical valve service. Braided into a dense packing, the very low coefficient of friction of PTFE reduces the need for adjustment after installation.

STYLE 344BIL

DESCRIPTION: Pure PTFE fiber is impregnated with PTFE suspensoid and an inert break-in lube.

CONSTRUCTION: Interlock braided (1/8" and 3/16" plaited)
TEMPERATURE: 500° F (260° C)
PH RANGE: 0-14
SHAFT SPEED: 1800 FPM (9 MPS)
PRESSURE: 300 PSI
USES: A soft but dense packing for extreme chemical pump services. Not for use with molten alkalis.

STYLE 345

DESCRIPTION: High quality flax and ramie fibers are impregnated generously with PTFE suspensoid and an inert lubricant.

CONSTRUCTION: Plait braided
TEMPERATURE: 200° F (90° C)
PH RANGE: 5-11
SHAFT SPEED: 1200 FPM (6 MPS)
PRESSURE: 300 PSI
USES: Marine applications such as stern tubes and rudder posts.

STYLE 921

DESCRIPTION: High quality flax and ramie fibers are impregnated with tallow and wax lubricants.

CONSTRUCTION: Plait braided
TEMPERATURE: 150° F (90° C)
PH RANGE: 5-9
SHAFT SPEED: 1000 FPM (5 MPS)
PRESSURE: 150 PSI
USES: Cold water, brine and marine services such as stern tubes and rudder posts.



Braided Packing- Series 6850



STYLE 921G

DESCRIPTION: High quality flax and ramie fibers are impregnated with tallow and wax lubricants. Surface lubricated with graphite to reduce friction.

CONSTRUCTION: Plait braided
TEMPERATURE: 150° F (90° C)
pH RANGE: 5-9
SHAFT SPEED: 1000 FPM (5 MPS)
PRESSURE: 150 PSI
USES: Heavy duty hydraulic packing for marine applications involving cold water or oil.

STYLE 4000

DESCRIPTION: Carbon yarns are impregnated with PTFE as a blocking agent. This is a non-staining packing.

CONSTRUCTION: Interlock braided (1/8" and 3/16" plaited)
TEMPERATURE: 550° F (290° C)
pH RANGE: 0-14
SHAFT SPEED: 2000 FPM (10 MPS)
PRESSURE: 500 PSI
USES: General service pump and valve packing where a high quality non staining packing is required, such as in paper and sugar mill service.

STYLE 4000G

DESCRIPTION: Carbon yarns are impregnated with a blocking agent. A high-temperature graphite finish is added, as a break-in lubricant.

CONSTRUCTION: Interlock braided (1/8" and 3/16" plaited)
TEMPERATURE: 550° F (290° C)
pH RANGE: 3-11
SHAFT SPEED: 2000 FPM (10 MPS)
PRESSURE: 500 PSI
USES: General service pump and valve packing for solvents, petrochemicals and mild acids and alkalis.

STYLE 5000

DESCRIPTION: Braided from pure expanded flexible graphite. 5000C has corners of carbon and 5000CC also adds carbon core.

CONSTRUCTION: Plait braided
TEMPERATURE: 2000° F (1100° C)
pH RANGE: 0-14
SHAFT SPEED: 4000 FPM (20 MPS)
PRESSURE: 2500 PSI Valves 500 PSI Pumps
USES: Provides virtually leak-free service. Flexible graphite packings feature a low coefficient of friction, excellent heat transfer properties and chemical resistance. Excellent multi-purpose pump and valve packing.

STYLE 5000T

DESCRIPTION: Braided flexible graphite yarn is impregnated with PTFE and an inert lubricant. The high density of this packing provides excellent anti-extrusion features.

CONSTRUCTION: Plait braided
TEMPERATURE: 550° F (290° C)
pH RANGE: 0-14
SHAFT SPEED: 4000 FPM (20MPS)
PRESSURE: 500 PSI
USES: Excellent multi-purpose packing for pumps and valves.

STYLE 8000T

DESCRIPTION: W.L. Gore's PTFE/graphite patented GFO® fiber yarn is braided by a special technique into a dense but supple packing.

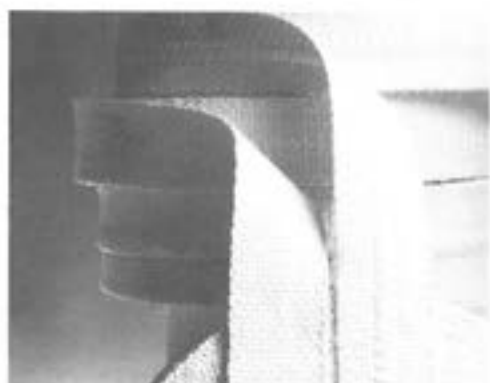
CONSTRUCTION: Interlock braided (1/8" and 3/16" plaited)
TEMPERATURE: 550° F (290° C)
pH RANGE: 0-14
SHAFT SPEED: 2000 FPM (10 MPS)
PRESSURE: 300 PSI
USES: Excellent multi-purpose packing for acids, alkalis, solvents and steam.

STYLE 8000T-K

DESCRIPTION: W.L. Gore's patented GFO® yarn is braided with DuPont's Kevlar® corners.

CONSTRUCTION: Interlock braided
TEMPERATURE: 500° F (260° C)
pH RANGE: 2-12
SHAFT SPEED: 2000 FPM (10 MPS)
PRESSURE: 300 PSI
USES: Combined attributes of both materials produce a pump packing with resistance to abrasion and extrusion.

High Temperature Textile Seals

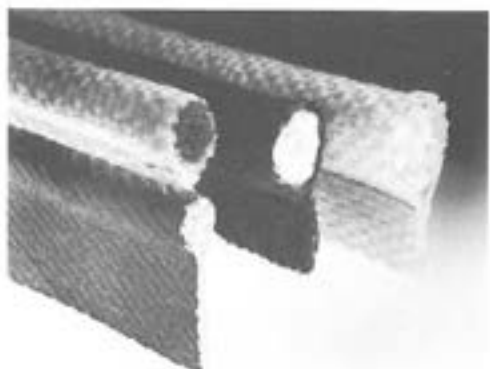


TAPE

Series 6510

Plain and drop warp tapes available in 1/16", 1/8", 1/4" thicknesses. Widths range from 1/2" thru 6". Applications include wrapping steam tracer lines, hose, piping, tadpole tapes, gasketing, curtains for high temperature ovens. Manufactured of texturized fiberglass yarns, withstands temperatures of up to 1000°F.

• Available heat treated and with PSA at minimal charge.



TADPOLE TAPES

Tadpole tapes are resilient, non-absorbant gasketing tapes formed by wrapping heat-resistant cores with specially treated cover materials. Edges are stitched or cemented together forming the tail structure.

Tadpole tapes provide effective sealing on light metal flanges or where limited bolting force is available. Because of their softness and conformability they are especially suited for applications where closures rest on the packing bulb.

Available in conventional construction for steam service with core materials of Inconel or stainless steel mesh cable.

Bulb diameters from 3/8" and up.

Typical construction styles:



Conventional-Radial tail



Tangential tail



Round-no tail



Double tangential tail



TWISTED ROPE

Series 6530

Manufactured of 100% texturized fiberglass. Twisted rope is completely incombustible and capable of withstanding continuous service temperatures to 1000°F.

Topog-E® Molded Rubber Gaskets

SHAPE (C)



E



R



OB



SQ



SP



T



Rectangular



D



P



Bolt

Series 6690

Topog-E®... the original molded rubber gasket stops leaks and protects the life of steam boilers, water tanks, and air tanks that use pressures to 180 PSI and temperatures to 380°F.

TOPOG-E molded rubber gaskets conform to the topography of both surfaces to seal immediately...

- NO SEEPAGE
- NO STALACTITES
- NO CORROSION
- NO DOWNTIME LOSS



High Temperature Textiles

Series 6550

AMETEK Haveg high temperature fabrics are designed for use as an environmentally approved replacement for asbestos in a wide range of insulation and protection applications. Haveg textile products provide high thermal resistance and are available in a wide variety of configurations for stress relief, packing, sealing, welding and furnace curtains, and heat shield applications in aerospace, marine, molten metal, power and other industries.

SILTEMP® Silica Fabrics

Siltemp high temperature silica textiles are an excellent alternative to asbestos for protecting personnel and equipment against damage from extreme heat, molten metals and sparks in a wide range of welding, burning and heat treating operations. Applications include protective screens and drop cloths for welding, fire curtains, stress relief blankets, and bundle, conduit and cable tray wraps for the power generation industry. Siltemp textile materials are available as fabrics, tape, rope, sleeving, mat and yarn. Fabrics can be specified with aluminized, neoprene, silicone, and other types of coatings to meet specific performance requirements. Standard grade Siltemp resists most corrosive fluids and generates essentially no smoke or fumes even under the most severe heat conditions. Minimum silicon dioxide (SiO₂) content is 96 percent.

Standard grade Siltemp fabrics are suitable for most applications. When applications require better low temperature abrasion resistance and improved fabrication properties, abrasion-resistant fabric should be used. Water repellent Siltemp should be specified in applications where water or oil is a factor. All Siltemp fabrics, except pre-shrunk, contain a hydrocarbon coating which will decompose at high temperatures.



FABRIC

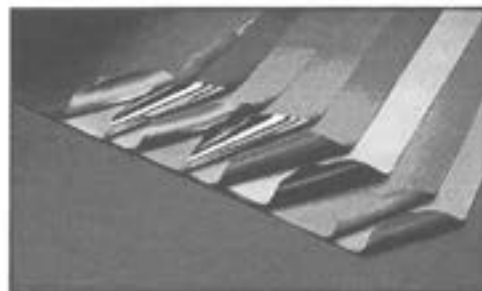
Product Type	Product Number	Color	Nominal Thickness, Inches	Nominal Weight, Oz./Yd. ²	Nominal Width, Inches
Standard	84CH	Tan	0.030	18	36
	188CH	Tan	0.054	36	36
Abrasion Resistant	84CSR	Tan	0.030	18	36
	188CSR	Tan	0.054	36	36
Water Repellent	WR84CSR	Tan	0.030	18	36
	WR188CSR	Tan	0.054	36	36

Standard roll size is 50 yards

The High Temperature Flexibility fabric is used for applications requiring flexibility and high strength at high temperatures. The Pre-shrunk fabric is offered in Commercial and Aerospace grades. Use the Commercial grade for applications requiring minimum shrinkage at high temperatures. Aerospace grade should be specified for applications requiring highly technical aerospace composite moldings.

Standard roll length is 50 yards for High Temperature Flexibility and Commercial Grade Pre-shrunk fabrics. Aerospace grade fabrics are available in longer lengths upon request.

Product Type	Product Number	Color	Nominal Thickness, Inches	Nominal Weight, Oz./Yd. ²	Nominal Width, Inches
High Temperature Flexibility	84GSH	Green	0.030	18.5	33
	188GSH	Green	0.054	38.0	33
Pre-Shrunk	82S	White	0.015	10.3	33
	84S	White	0.026	18.5	33
	188S	White	0.052	38.0	33



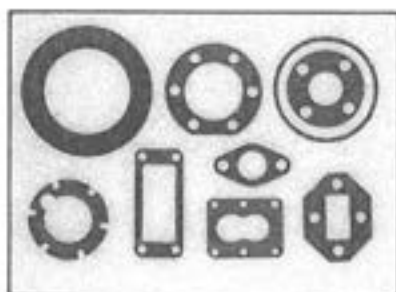
Silicone and Neoprene Coated Fabrics are used in applications where surface abrasion and impermeability to fluids and gases are important. The silicone coating offers better resistance to thermal decomposition than neoprene. Aluminized Fabric provides thermal reflectivity.

Product Type	Product Number	Color	Nominal Thickness, Inches	Nominal Weight, Oz./Yd. ²	Nominal Width, Inches
Aluminized*	ALUM 84CH	Silver	0.033	21	34½
	ALUM 188CH	Silver	0.057	39	34½
Silicone*	SIL RUB 84CH	Red	0.033	24	36
	SIL RUB 188CH	Red	0.057	42	36
Neoprene*	NEO RUB 84CH	Black	0.033	24	36
	NEO RUB 188CH	Black	0.057	42	36

*Coated 1 side. Coated 2 sides available on request. Coatings will lose properties as temperature increases.

Standard roll is 50 yards

Durlon PTFE Gasket Material



Series DTN

DURLON® 9000 & 9000N

Color:	9000 - Blue, 9000N - unpigmented white
Temperature Range:	-350 to 520° F (-212 to 271°C)
Pressure Range:	Vacuum to 1500 psi (10.3 MPa)
Fluid Service:	Steam, Oils, Chlorine, Solvents, Caustics, Acids, Alcohols, Oxygen Service, Refrigerants

* Styles 9000 and 9000N Conform to FDA Requirements



Durlon® 9000 is designed for use in process piping and equipment in chemical, pulp and paper, food and beverage and other general industrial applications where resistance to aggressive chemicals is required. Its unique formulation results in a dimensionally stable product under compression load. Durlon® 9000 does not exhibit the cold flow problems associated with virgin PTFE yet retains its desirable "non-sticking" characteristics and ease of cutting.

Durlon® 9000 is manufactured with only pure PTFE resins and uniformly dispersed inorganic fillers and therefore, does not require special processing for oxygen service. Gaskets can be supplied from distributor stocks, as long as normal cleaning procedures for oxygen service are followed before installation.

Typical Physical Properties:

Test Method	Physical Property	DURLON® Style 9000/9000N
ASTM F36	% COMPRESSIBILITY % RECOVERY	8-16 40
ASTM F37	SEALABILITY Nitrogen, ml/h:	.02
ASTM F38	% CREEP RELAXATION	30
ASTM F152	TENSILE STRENGTH, psi (MPa)	2000 (13.8)
DIN 3535	GAS PERMEABILITY, cc/min.	0.01
	DENSITY, lb./ft ³ (g/cc)	138 (2.2)

Note: ASTM and DIN properties based on 1/16" sheet thickness, except ASTM F38, which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

Sizes Available:

Sheets:

60" x 60"

60" x 120" sheets & other custom lengths available on special order

Thickness:

1/32", 1/16", 1/8"

1mm, 2mm, and 5mm thicknesses also available on request

Gasket Materials – Compressed Non-Asbestos

Series DBE

DURLON® 8700 BLUE

Color:	Blue
Binder:	Neoprene (CR)
Fiber:	Aramid/Inorganic
Temperature Range:	-100 to 700°F (-73 to 371°C)
Pressure, Max:	1500 psi (10.3 MPa)
Fluid Service:	Steam, Oils, Water, mild Acids and Alkalis, Refrigerants



Durlon® 8700 is a high performance compressed gasket material containing a combination of high strength aramid and inorganic fibers for use in processes which require a neoprene (CR) bonded sheet. Excellent for steam, oils and many refrigeration services. A release agent insures good anti-stick properties.

Typical Physical Properties

Test Method	Physical Properties	DURLON® STYLE			
		8400 Gold	8500 Green	8600 White	8700 Blue
ASTM F 36	% COMPRESSIBILITY	8-16	8-16	8-16	8-16
	% RECOVERY	50	50	45	45
ASTM F146	FLUID RESISTANCE after immersion ASTM No. 3 Oil, 5h/300°F (149°C)				
	Thickness increase range, %:	0-15	0-15	15-30	10-25
	Weight increase maximum, %:	15	15	30	20
	ASTM Fuel B, 5h/70°F (21°C)				
	Thickness increase range, %:	0-10	0-10	5-20	5-20
	Weight increase maximum, %:	12	10	30	20
ASTM F37	SEALABILITY, nitrogen ml/hr:	0.3	0.4	0.5	0.7
ASTM F38	% CREEP RELAXATION	25	20	20	20
ASTM F152	TENSILE STRENGTH psi (MPa)	1800 (12.4)	1800 (12.4)	1800 (12.4)	1500 (10.3)
DIN 3535	GAS PERMEABILITY				
	Nitrogen, cc/min.	0.03	0.03	0.05	0.05
	DENSITY lb/in ³ (g/cc)	106 (1.7)	106 (1.7)	106 (1.7)	106 (1.7)

Note: ASTM and DIN properties based on 1/16" sheet thickness, except ASTM F38, which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

Sheet Sizes Available:

Thickness:	60" x 63"	40" x 126"	60" x 126"	120" x 126"
1/64" (.5 mm)	✓		✓	
1/32" (.8 mm)	✓	✓	✓	
1 mm	✓	✓	✓	✓
1/16" (1.5 mm)	✓	✓	✓	✓
2 mm	✓	✓	✓	✓
1/8" (3 mm)	✓	✓	✓	✓



Gasket Materials – Compressed Non-Asbestos

Series DGD

DURLON® 8400 GOLD*

Color:	Gold
Binder:	Nitrile (NBR)
Fiber:	Phenolic
Temperature Range:	-100 to 800°F (-73 to 427°C)
Pressure, Max:	1500 psi (10.3 MPa)
Fluid Service:	Steam, Oils, Fuels, Solvents, Caustics, Dilute Acids, Alcohols, Refrigerants

An outstanding "next generation" material with the widest range of chemical resistance of any compressed non-asbestos gasket material made today.

Durlon® 8400 contains high temperature synthetic fibers and minerals combined with high grade Nitrile NBR rubber. It gives superior performance on steam, and is suitable for a wide range of chemicals. Durlon® 8400 also offers excellent sealability, and better flexibility and cutting characteristics than carbon or glass fiber based materials. A release agent insures good anti-stick properties.



* US Patent No. 5098777

Series DDG

DURLON® 8500 GREEN

Color:	Green
Binder:	Nitrile (NBR)
Fiber:	Aramid/Inorganic
Temperature Range:	-100 to 700°F (-73 to 371°C)
Pressure, Max:	1500 psi (10.3 MPa)
Fluid Service:	Saturated steam, Solvents, Gases, Fuels, Dilute Acids and Alkalies, Refrigerants, Oils

Excellent results in steam, hydrocarbons, and new generation refrigerants.

A high quality general service gasket material made with a combination of high strength aramid and inorganic fibers bonded with high grade Nitrile NBR rubber. Durlon® 8500 features good compressibility and recovery, excellent sealability, flexibility and cutting characteristics. A release agent insures good anti-stick properties.



Series DGY

DURLON® 8600 WHITE

Color:	White
Binder:	SBR
Fiber:	Aramid/Inorganic
Temperature Range:	-100 to 700°F (-73 to 371°C)
Pressure, Max:	1500 psi (10.3 MPa)
Fluid Service:	Saturated Steam, Water, Inert gases, Alcohols, Dilute Acids and Alkalies, Ammonia

An outstanding gasket material for sealability in steam and other services.

An excellent choice where a "white" gasket material is required. Durlon® 8600 is a high quality product containing high-strength aramid and inorganic fibers bonded with SBR rubber. It features good compressibility and recovery, excellent sealability, flexibility and cutting characteristics. A release agent insures good anti-stick properties.





Klingersil Compressed Gasket Material

Series 6220

Distinguishing Characteristics & Applications

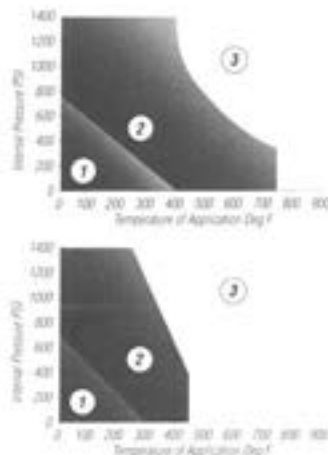
See graphs for temperature and pressure limits. Typical values refer to 1/16" material unless otherwise specified.

Creep Relaxation ASTM F36B (1/32")	20%
*Sealability ASTM F37A (1/32")	25 ml/hr
*Klinger Hot Compression Test	
Thickness Decrease 73°F (23°C)	10% initial
Thickness Decrease 572°F (300°C)	9% additional
Compressibility ASTM F36J	7-17%
Recovery ASTM F36J	50% minimum
Tensile Strength	
ASTM F152 Cross Grain	2,000 psi typical
Change in Tensile Strength	
ASTM F152 after immersion in *ASTM Oil 3, 5h/300°F (149°C)	25% maximum decrease
Weight Increase	
ASTM F146 after immersion in Fuel B 5h/73°F (23°C)	15% maximum
Thickness Increase	
ASTM F146 after immersion in ASTM Oil 1, 5h/300°F (149°C)	0-5%
*ASTM Oil 3, 5h/300°F (149°C)	0-5%
ASTM Fuel A, 5h/73°F (23°C)	0-5%
ASTM Fuel B, 5h/73°F (23°C)	0-7%
ASTM F104 Line Call Out	F712121B3E22M5
Leachable Chloride Content	
F.S.A. Method (Typical)	100 ppm
Density	112 lb/ft ³ (1.8 g/cc)
Color (Top/Bottom)	Green

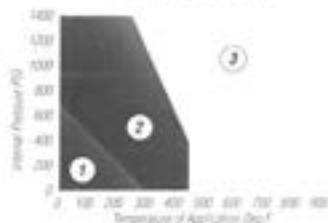
Pressure and Temperature Graphs

Material Thickness: 1/16"

Liquids



Gases and Steam



Series 6450

Distinguishing Characteristics & Applications

Within the given temperature and pressure limits. Please see graphs. Typical values refer to 1/16" material unless otherwise specified.

Metal Insert	0.002" 316 Stainless Steel Foil Adhesive bonded
Creep Relaxation ASTM F36B (1/32")	10%
*Sealability ASTM F37A (1/32")	0.5 ml/hr
Compressibility ASTM F36A	40-45%
Recovery ASTM F36A	10-15%
Purity of Graphite	95% minimum
Leachable Chloride Content	
F.S.A. Method (Typical)	50 ppm
Density	70 lb/ft ³ (1.1 g/cc)
Color (Top/Bottom)	Silver

KLINGER FLEXIBLE GRAPHITE SLS*

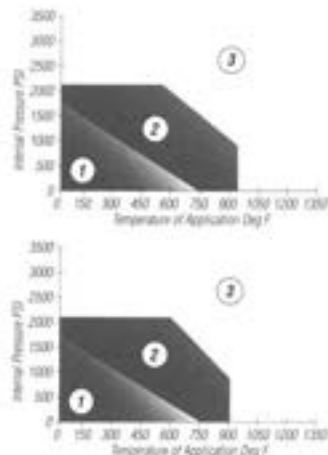
- Graphite Adhesively Bonded to a 0.002" 316 Stainless Steel Foil
- Highly Compressible & Compatible
- Excellent Anti-Stick Properties
- Low Gas Permeability
- Low Electrical Resistance

* Available with Anti-Stick Coating. Call for further data.

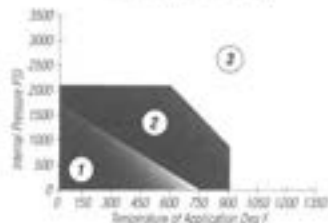
Pressure and Temperature Graphs

Material Thickness 1/16"

Liquids



Gases and Steam





Gasket Materials

Choose two of these four Styles of Tuff-Sheet To Handle Most Gasket Applications

Choose one of the compressed sheets; 978-C (black); 1078 (white); or NA-60 Service (green) for mild chemical and general service, then add Style 2000 for the chemical extremes and you can maintain a minimum inventory of non-metallic gaskets for all types of service.

Series 6251

Style 978-C Black Gold® is a great success story. It's economical and it works when others won't. It handles chemicals well, has great sealing properties, and it performs well in high temperature, high pressure, saturated steam service. It's a third-generation, non-asbestos material that comes closest to the all-around high performance of asbestos materials that we were used to in the old days.

Style 978-C uses an NBR binder. Keep it out of the highly aggressive chemicals, and it can be used widely in most applications on all equipment. Black Gold is a natural in the petroleum industry, but it has also been highly successful in pulp and paper service. It is recommended for broad service in all industries. Style 978-C is fully branded and coated with a high temperature parting agent.

Series 6252

Style NA-60 Service® If your present gasket material tends to give you problems meeting leakage standards, here is the material to use. Excellent sealability, low creep, and great performance in steam and a broad range of chemicals. It's a forgiving material that can be relied on for process piping or machinery. This new, high performance, general service, NBR sheet also is the best value, by far, of any of the quality gasket sheet on the market today. It's the economy champ of quality compressed gasket sheet. Style NA-60 Service is green in color, fully branded and coated with a high temperature parting agent.

Compressed Non-Asbestos Gasket Sheet

For many years, this first generation family of compressed, non-asbestos gasket materials has served the diverse needs of industry. These are the original materials developed to replace the asbestos-based gasket materials. Although these styles are still successfully used in their special areas, our continuing development program has produced materials—such as our Tuff Sheet products—that have improved service envelopes at greater economy. Each of these materials is branded with the JM Clipper logo, and each is coated with a high-temperature parting agent.

Style 940 & 970 Red Devil® are high-tensile, compressed SBR and aramid fiber sheets. Style 970 is double-pressed to enhance its physical properties even more. The Red Devil styles are good, general-purpose materials, that offer extras such as suitability for use as extremely large gaskets and pads, small, thin, intricate gaskets, or dielectric materials*. Both styles are a distinctive red color.

*Electrical resistance is 150,000 megohms at 1/16" thick and 300,000 megohms at 1/8" thick.

Style 960 Omni-Night® is a black, SBR/aramid fiber sheet that is recommended where a lower cost SBR sheet is desired. It is a general service material that can be used in a wide range of chemicals.

Series 6260

Style 1078 Whitetrile® is an off-white version of 978-C. Like 978-C and NA-60 Service, it is a forgiving, easy handling sheet with great sealability and the same broad service capability.

Use Whitetrile when color contamination is a concern. It's a general service gasket material that is also especially good for intricate machinery gaskets. It cuts cleanly, strips well, and has the strength necessary for narrow flange widths. Like the other compressed sheets, Style 1078 Whitetrile is coated with a high temperature parting agent and fully branded with a cure date, as well as the JM Clipper logo.

Series 6270

Tuff-TFE™2000 picks up where other gasket materials leave off. It's a very high quality, PTFE-based gasket material that handles the tough chemical problems along with steam and almost any general service application. In its field, it's a stand-out because of its lower cost, and superior sealability. It's a natural choice when fugitive emissions are a concern.

This gold color gasket material is recommended for use with all types of machinery and process piping and equipment. It also meets the FDA requirements for use in food service. Tuff-TFE fabricates readily into clean, intricate gaskets, does not stick to flanges and can be used at temperatures as low as minus 350° F (-212°C). It's the material to select when looking for a single gasket to use throughout the plant.

Style 2000 is available in 1/16" & 1/8" thick; 60" x 60" or, 60" x 120" sheets.

SERVICE PARAMETERS	6251	6252	6260	6270
Style	978-C	NA-60	1078	2000
Maximum Pressure (P) psi	1000	1000	1000	1200
bar	69	69	69	83
Maximum Temperature (T) °F	700	700	700	500
°C	370	370	370	260
Maximum P x T (psi x °F)	350,000	350,000	350,000	350,000

Style 961 Omni-Light® is essentially an off-white version of Style 960, and can be used in the same service when the dark color of Style 960 is objectionable.

Style 976 White Night® is an off-white gasketing material that is designed for service in freon-type refrigerants and high aniline-point oils. It is a CR/aramid fiber sheet. Style 976 is also recommended for applications in ammonia gas, fuels, mild acids, mild alkalis, water, and silicate esters.

Style 986 Yellow Jacket® uses an EPDM binder and high-temperature fiber to create a gasket material for more severe applications. It can be used in steam, alkalis, brake fluids, phosphate esters, dilute acids, and animal and vegetable oils. Style 986 is yellow in color.

SERVICE PARAMETERS FOR ALL 5 STYLES:	
Maximum Pressure (P) psi	1000
Maximum Temperature (T) °F	600
Maximum P x T	350,000



Gore-Tex GR Sheet Gasketing & Joint Sealant



GORE-TEX[®] GR[®] Sheet Gasketing

GORE-TEX[®] Joint Sealant

The best and most cost-effective alternative to sheet gasketing, it is ideal for large or complex flanges as well as worn or damaged ones.

GORE-TEX[®] Gasket Tape

Flat gasketing for narrow sealing surfaces requiring a strip or full-face gasket.

GORE-TEX[®] Valve Stem Packing

A tough, pliable self-lubricating packing for all valve stuffing boxes.

GORE-TEX[®] Fiber

For braided pump packing in chemical and other aggressive, contamination-sensitive environments.



GORE-TEX[®] Joint Sealant

GORE-TEX[®] Insertable Gaskets

Rigid gaskets with a unique sealing bulb for raised-face flanges that have been difficult to seal.

GFO[®] Fiber

A unique fiber for a universal long-lasting and high-value braided compression packing.



Series 6401

Typical Properties* GORE-TEX GR[®] Sheet Gasketing

Compressibility % (ASTM F-36)	40
Recovery % (ASTM F-36)	17
Sealability mi/hr (ASTM F-37-B)	30 psig/2 bar—air 0.10 10 psig/0.7 bar—liquid 0.004
Creep Relaxation % (ASTM F-38)	22 hrs @ 73°F (23°C) 18.7 22 hrs @ 212°F (100°C) 32.8

Available Sizes

Sheet Size 48" x 56" (1,220 mm x 1,420 mm)
Thickness 1/16" (1.5 mm) 1/8" (3.0 mm)

*Based on testing 1/16" (1.5 mm) GORE-TEX GR[®] sheet gasketing. Complete performance characteristics and design data are available.

Typical Properties* GORE-TEX[®] Joint Sealant

Tensile Strength psi (kPa) (ASTM F-152)	2,000 (13,790)
Compressibility % (ASTM F-36)	55—80
Sealability mi/hr (ASTM F-37-B)	0.13
Creep Relaxation % (ASTM F-38)	40

*Based on testing 1/4" (7 mm) GORE-TEX[®] joint sealant. Complete performance characteristics and design data are available.

Available Sizes

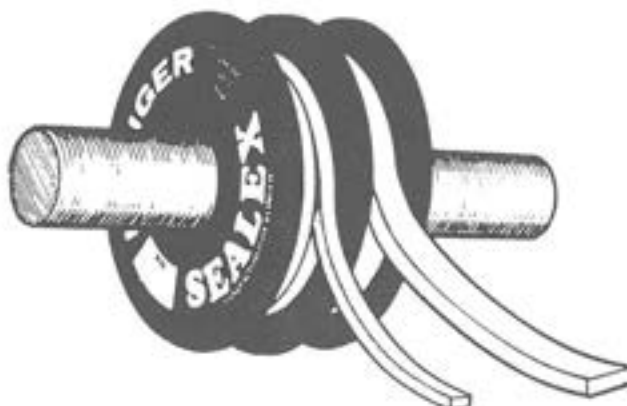
1 mm	W" (34 mm)
W" (3 mm)	W" (17 mm)
1/16" (5 mm)	W" (20 mm)
1/8" (7 mm)	1" (25 mm)
W" (10 mm)	
Spool lengths from 15 feet (4.57 m) to 1,000 feet (304.8 m)	



Flange Sealant / Pump Packing

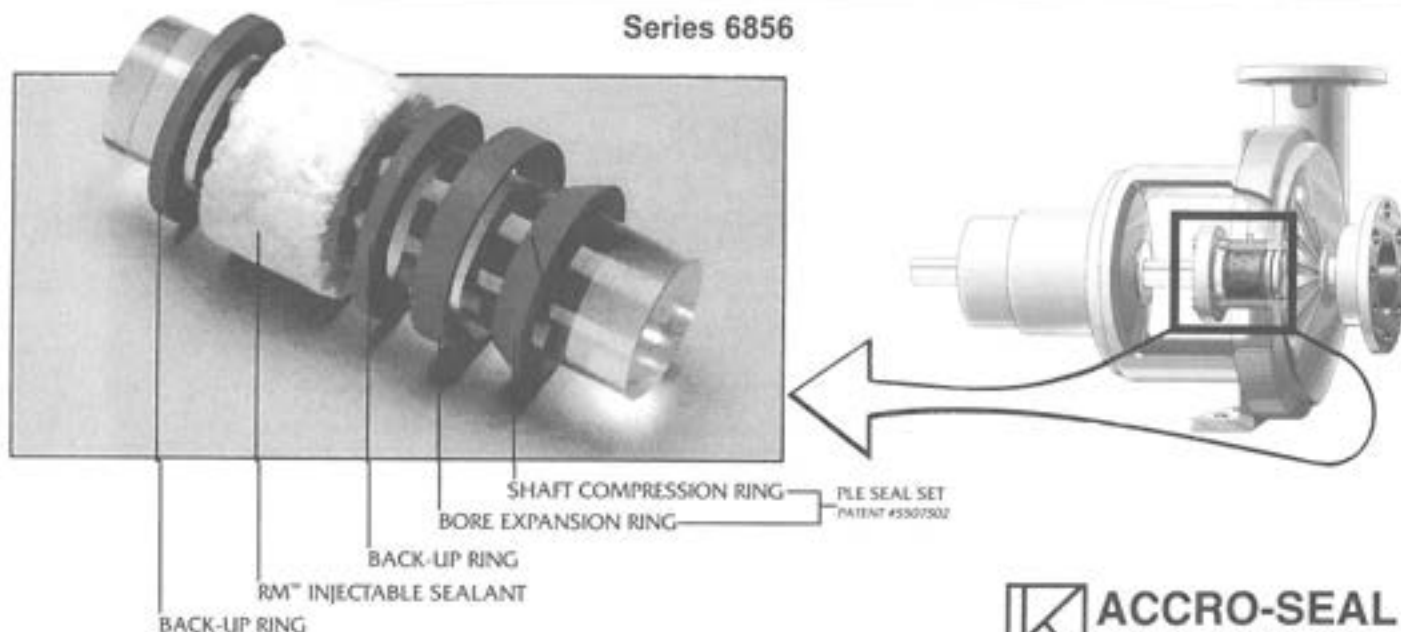
Series 10750

Sealex® PTFE Flange Sealant



- Easy to install
- Pure PTFE flange sealant
- Non-toxic
- Non-flammable
- A few sizes will take care of most sealing requirements
- Use on saturated steam
- Use on glass-ceramic and fiberglass
- A maintenance department must

Series 6856



RM Composite Sealing Products

RM Engineered Products has developed a complete line of composite injectable sealing products for use with the RM PLE Sealing System:

RM Style #	Description	pH	Service Temp.
RM 9000	Graphite/PTFE Fibre	0 to 14	500°F(260°C)
RM 8800	Synthetic TFE Lube	4 to 10	400°F(204°C)
RM 8400	Caustic resistant, non-staining, silicone-free	3 to 14	450°F(232°C)
RM 8000 FDA	PTFE FDA approved	0 to 14	450°F(232°C)

 **ACCRO-SEAL**
A KALPLAS COMPANY



Spiral-Wound Gaskets

SPIRAL-WOUND GASKETS

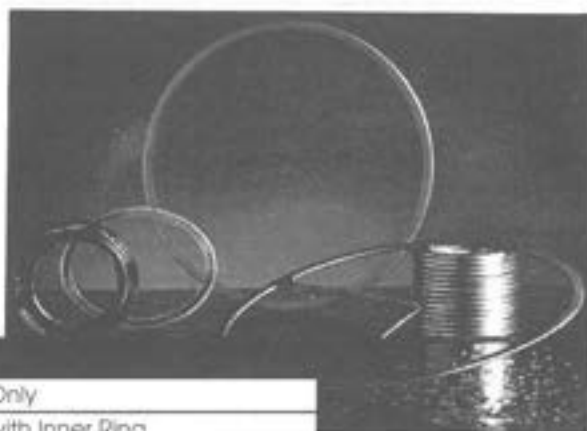
Series 6800, 6801, 6802, 6804

LEADER
GASKET

Quality Construction

Available in a full range of styles and materials, our spiral-wound gaskets are manufactured in accordance with ASME B16.20 for use in all industry flanges, including ASME/ANSI B16.5, ASME B 16.47, Series A & B. Leader Gasket assures strict adherence to these specifications as routine inspection procedures are applied throughout the manufacturing process. In addition, we maintain traceability of all materials used in our gasket construction to provide material certifications as required. Leader Gasket maintains ISO 9001 Certification.

Choose from the following styles and materials, or let us customize an order to fit your individual need.



STYLES

LG-11	Spiral Winding Only
LG-11-IR	Spiral Winding with Inner Ring
LG-11-HE	Spiral Winding with Double Jacketed Rib
LG-13	Spiral Winding with Outer Guide
LG-13-IR	Spiral Winding with Outer Guide and Inner Ring
LG-13-HE	Spiral Winding with Outer Guide and Double Jacketed Rib
LG-14	Spiral Winding for Manholes and Handholes

COLOR CODING

For your convenience, all Leader Gaskets are color coded on the edge of the outer guide as follows:

Metal Windings

304SS	Yellow
316LSS	Green
321SS	Turquoise
347SS	Blue
Alloy 20	Black
Carbon Steel	Silver
Hastelloy B	Brown
Hastelloy C	Beige
Inconel	Gold
Monel	Orange
Nickel	Red
Titanium	Purple

Fillers

Leaderfite	Pink Stripe
Flexible Graphite	Grey Stripe
PTFE	White Stripe
Ceramic	Light Green Stripe

LG - 14

MANHOLE AND HANDHOLE GASKETS



Designed for standard manhole cover assemblies, as well as boiler handholes and tubecaps, LG-14's are manufactured in all materials and fillers. Common shapes include round, oval, obround, pear, diamond, rectangle and square.

Jacketed & Solid Metal Gaskets

LG-13

**LEADER
GASKET**

SPIRAL WINDINGS WITH OUTER GUIDES

Style LG-13 gaskets are available in standard sizes as detailed in the following charts. Additionally, LG-13's can be custom made to meet specified dimensions. Both standard and custom LG-13's are manufactured in the full range of winding metals, filler materials and outer guide alloys.

LG-13 (ASME B 16.20) Gasket Dimensions For ASME/ANSI B 16.5 Flanges

Flange Size (NPS)	Class 150, 300				Class 400, 600				Class 900				Class 1500, 2500			
	Gasket		150-lb.	300-lb.	Gasket		400-lb.	600-lb.	Gasket		Outer	Outer	Gasket		1500-lb.	2500-lb.
	I.D.	O.D.	Outer Guide O.D.	Outer Guide O.D.	I.D.	O.D.	Outer Guide O.D.	Outer Guide O.D.	I.D.	O.D.	Outer Guide O.D.	Outer Guide O.D.	I.D.	O.D.	Outer Guide O.D.	Outer Guide O.D.
1/2	3/4	1-1/4	1-7/8	2-1/8	3/4	1-1/4	2-1/8	2-5/8					3/4	1-1/4	2-1/2	2-3/4
3/4	1	1-5/8	2-1/4	2-5/8	1	1-5/8	2-5/8	2-5/8					1	1-5/8	2-3/4	3
1	1-1/4	1-7/8	2-5/8	2-7/8	1-1/4	1-7/8	2-7/8	2-7/8					1-1/4	1-7/8	3-1/8	3-3/8
1-1/4	1-7/8	2-3/8	3	3-1/4	1-7/8	2-3/8			1-7/8	2-3/8			1-7/8	2-3/8	3-1/2	4-1/8
1-1/2	2-1/8	2-3/4	3-3/8	3-3/4	2-1/8	2-3/4			2-1/8	2-3/4			2-1/8	2-3/4	3-7/8	4-5/8
2	2-3/4	3-3/8	4-1/8	4-5/8	3-3/4	3-3/8			3-3/4	3-3/8			3-3/4	3-3/8	5-5/8	5-3/4
2-1/2	3-1/4	3-7/8	4-7/8	5-1/8	3-1/4	3-7/8			3-1/4	3-7/8			3-1/4	3-7/8	6-1/2	6-5/8
3	4	4-3/4	5-3/8	5-7/8	4	4-3/4			4	4-3/4			4	4-3/4	6-7/8	7-3/4
4	5	5-7/8	6-7/8	7-1/8	4-3/4	5-7/8			4-3/4	5-7/8			4-3/4	5-7/8	8-1/4	9-1/4
5	6-1/8	7	7-3/4	8-1/2	5-13/16	7			5-13/16	7			5-13/16	7	10	11
6	7-3/16	8-1/4	8-3/4	9-7/8	6-7/8	8-1/4			6-7/8	8-1/4			6-7/8	8-1/4	11-1/8	12-1/2
8	9-3/16	10-3/8	11	12-1/8	8-7/8	10-3/8			8-7/8	10-3/8			8-7/8	10-3/8	13-7/8	15-1/4
10	11-5/16	12-5/2	13-3/8	14-1/4	10-13/16	12-1/2			10-13/16	12-1/2			10-13/16	12-1/2	15-1/8	16-3/4
12	13-3/8	14-3/4	16-1/8	16-5/8	12-3/8	14-3/4			12-3/8	14-3/4			12-3/8	14-3/4	17-1/8	18-3/4
14	14-5/8	16	17-3/4	19-1/8	14-1/4	16			14-1/4	16			14-1/4	16	19-1/8	21-3/8
16	16-5/8	18-1/4	20-1/4	21-1/4	16-1/4	18-1/4			16-1/4	18-1/4			16-1/4	18-1/4	21-1/4	
18	18-11/16	20-3/4	21-5/8	23-1/2	18-1/2	20-3/4			18-1/2	20-3/4			18-1/2	20-3/4	23-1/2	
20	20-11/16	22-3/4	23-7/8	25-3/4	20-1/2	22-3/4			20-1/2	22-3/4			20-1/2	22-3/4	25-3/4	
24	24-3/4	27	28-5/4	30-1/2	24-3/4	27			24-3/4	27			24-3/4	27	30-1/2	

Note: Inner rings are required for Class 900 gaskets, NPS 24, Class 1500 gaskets, NPS 12 through NPS 24, and Class 2500 gaskets, NPS 4 through NPS 12. There are no Class 400 flanges in NPS 1/2 through NPS 3 (use Class 600). Class 900 flanges in NPS 1/2 through NPS 2-1/2 (use Class 1500), or Class 2500 flanges NPS 14 and larger. *NPS 10, Class 2500 Gasket I.D. is 10-5/8. **NPS 12, Class 2500 Gasket I.D. is 12-1/2. ASME B 16.20 requires inner guide rings in all PTFE filled gaskets.

JACKETED AND SOLID METAL GASKETS

Leader Gasket manufactures a full line of metal gaskets including double jacketed, corrugated and plain solid in Ring and ribbed configurations. Our metal gaskets are available in the full range of metals and fillers and are individually fabricated to meet customer specifications.

STANDARD SHAPES CHART							
1	31	32	41	42	51	52	53
54	61	62	63	71	72	73	74
75	76	77	78	79	81	82	83
84	85	86	87	88	89	91	92
93	94	95	96	97	98	99	101
102	103	104	105	106	107	111	112



Cut Rubber And Gasket Material Parts For Industrial Applications

Fill Out & Fax For Special Applications

Available from belting, rubber sheeting and flat materials. Die rule and water jet cutting, stripping and custom forms.

Cut Rubber Parts

Belting, Rubber Roll Goods and Stripping

Range of Materials:

- Varieties of industrial conveyor belting:
 - Rubber both sides
 - Fabric both sides
 - Combinations of rubber and fabric
 - High heat resistance
 - Oil resistant
 - Oil proof
 - Cross-rigid
 - Textured surfaces or with profiles
- Varieties of food grade lighter duty conveyor belting:
 - White rubber
 - White Nitrile
 - White PVC
 - PMV blends of vinyl
 - Textured surfaces or with profiles
- Unsupported (without fabric insertion) rubber sheeting:
 - Neoprene
 - Nitrile
 - Silicone
 - SBR
 - Natural gum rubber
 - Skid board rubber
 - "Rhino Hide" and chute lining
 - Crude sponge — open cell structure
 - Closed cell neoprene sponge — sheets and buns
 - Urethane
 - Butyl
 - Vinyl
 - UHMW plates, boards and sheeting
- Coated fabrics (fabric supported sheet):
 - Diaphragm materials
 - Cloth inserted (C.I.) sheet
 - Piled cross-rigid belt and sheet
 - Roll-up door fabric and sheet
- Pressure sensitive adhesive (PSA) backed materials.
- Expanded metal back rubber polymers.

Company Name _____

Person to Contact _____

Telephone No. _____ Fax No. _____ E-mail _____

Duty

Medium _____

Concentration _____

Max. Pressure _____

Max. Temperature _____

Liquid or Gas _____

Any other comments
(cycling, vibrations, food, hazardous)

Flanges

Rating _____

Nominal Size _____

Flange Material _____

Surface Finish _____

Type _____

If non-standard, please give dimensions

Bolts

Quality _____

Diameter/Length _____

Number _____

Gasket Details (dimensions)

1. Full Face

Outside Diameter _____

Inside Diameter _____

Number of Holes _____

Hole Diameter _____

or

2. Ring

Outside Diameter _____

Inside Diameter _____

or

3. Special Design

Please provide drawing.

Current application material and thickness.

Reason for material change (i.e. leaks, blow out)

Photocopy this form for re-use.

Mats & Matting

Series 6683

INDUSTRIAL ANTI-FATIGUE DECK PLATE



Deck Plate
Black or Gray
(DB)



Yellow
Border
(CB)



Textured
Rubber
(TX)



BORDERS
•Green •Red
•Blue •Orange
•Yellow



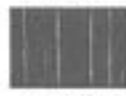
- Overall thickness 9/16".
- Great for fab or machine shops, assembly areas & work benches.
- Beveled edging on all four sides.
- Resistant to most common fluids & chemicals.
- Also available in runners.

Size			
2' X 3'	} DB	YB-CB	TX
3' X 5'			
3' X 12'			
3' X 60'			
3' X 75'			
Custom			
Sizes			
Sq. Ft.			

TUFF-SPUN™ / FOOT-LOVER™



Black Pebble



Black Ribbed



Gray Pebble



Gray Ribbed



Brown Pebble



Brown Ribbed



- Durable, cushioned vinyl sponge construction, resists wear and reduces noise and breakage.
- Ribbed or pebble surface.
- 3/8" thick for **ALL DAY COMFORT**.
- Available in mats, rolls or custom cuts.
- Also available with polyurethane coating for extended wear.

Size	Ribbed or Pebble Surface
27" X 36"	27" X 36"
27" X 60"	27" X 60"
36" X 60"	36" X 60"
ROLLS	
2' X 60'	2' X 60'
3' X 60'	3' X 60'
4' X 60'	4' X 60'
6' X 60'	6' X 60'

Call for Prices on Special Cuts

SAFEWALK-LIGHT™



Safewalk-Light is available in general purpose black (shown here) & grease proof terra cotta (shown).

- 1/2" light anti-fatigue mat features molded beveled edging on all four sides for safety. Convenient full size mats.
- Cushion support and safety.
- Grease proof or grease resistant.

Size	Bk(GP)	TC(GrPr)
3' X 5'	3' X 5'	3' X 5'
3' X 10'	3' X 10'	3' X 10'
3' X 15'	3' X 15'	3' X 15'
3' X 20'	3' X 20'	3' X 20'

SAFEWALK™



Safewalk is available in general purpose black & grease proof terra cotta (shown).

- 7/8" thick food service or industrial cushion and safety mat.
- Terra Cotta grease proof mat is guaranteed for 5 years.
- Drain through design promotes safety.
- Raised bottom promotes drainage and drying.

Size		
39" X 58.5"	} Bk(GP)	TC(GrPr)
39" Bv. Edge Connector		

Beveled edging and connectors sold separately.

AIR-STEP™



- Modular, molded rubber anti-fatigue mat for rugged environments.
- General Purpose and Grease Resistant.
- Order as centers, ends or singles.
- 1/2" overall thickness, provides excellent comfort and relieves fatigue.

Size		
27" X 36"(Sgl.)	} Gen.P	Gr. Res.
28" X 36"(Ctr.)		
28" X 36"(End)		

Mats & Matting

SUPER-SPONGE™ SUPER FOOT-LOVER™



- 100% closed cell PVC sponge.
- Improves traction, cleans easily and reduces worker fatigue.
- 5/8" thick for comfort and endurance.
- Choice of Black, Brown or Gray.
- Available in mats or rolls.

Size
2' X 3'
3' X 4'
3' X 5'
2' X 30' Ribbed or Pebble Surface
3' X 30'
4' X 30'
6' X 30'

CUSHION-STEP™ RUBBER SURFACE



- 13/32" overall thickness with foam base.
- Provides lasting fatigue relief.
- Beveled edges & rounded corners help mat lay flat.
- Wear resistant rubber surface.

Size
18" X 30"
18" X 48"
24" X 36"
36" X 60"
3' X 60' Roll
Custom
Size Sq. Ft.

SAFE-N-EASY™



- Increase safety & hazard awareness.
- Available in 3/8" gauge vinyl sponge.
- Choose Ribbed or Pebble surface.
- Black with yellow border.
- Can be polyurethane coated for added durability.

Size
3' X 5'
3' X 10'
ROLLS
3' X 60'
4' X 60'
POLY COATED
3' X 60'
4' X 60'



SAFETY-STEP™



- Modular 3' x 3' mats with open construction.
- Multi-nub back enhances drainage.
- Built in connector strip on one side easily locks on additional mats from any direction.
- Vulcanized rubber anti-fatigue mat with circular drain through holes.
- 3/4" overall thickness.
- Also available in NEW Solid-Top surface (3' X 3' mat only.)

Size
3' X 3'
Con Strp.
Bvl Strp.
Cnr Pc.
ST(Bk) GR(Bk) GP(TC)

REVERSE-A-MAT



- Double sided for extra traction, comfort and durability.
- Reversible surface for extended life.
- Nitrile rubber compound resists grease, acid, alkali and animal fats.
- 1/4" thick. Black and Brick Red.
- Also available in slotted surface.

Size	Solid	W/Holes
3' X 9'	3' X 9'	3' X 9'
3' X 18'	3' X 18'	3' X 18'
4' X 9'	4' X 9'	4' X 9'
4' X 18'	4' X 18'	4' X 18'
3' X 60'	3' X 60'	3' X 60'
4' X 60'	4' X 60'	4' X 60'
Custom	Custom	Custom
Sizes sq. ft.	Sizes	Sizes

DIAMOND-DELUXE™ YELLOW BORDER™



- Composed of vinyl loop configuration.
- Provides sure, reliable foot traction.
- Choose 3/8" Medium Duty Unbacked (1/2" with foam backing) or 4/7" Heavy Duty Unbacked (5/8" with foam backing).
- Gray with yellow border.
- Open loop design allows quick drainage.
- Excellent resistance against most liquids.
- Also available solid colors in light, medium & heavy duty, backed and unbacked. Call for special prices.

Size	MDU	MDU
3' X 20'	3' X 20'	3' X 20'
4' X 20'	4' X 20'	4' X 20'
Size	HDB	HDB
3' X 20'	3' X 20'	3' X 20'
4' X 20'	4' X 20'	4' X 20'

Mats & Matting



- 12" x 12" inter-locking tiles.
- "Waffle Grid" design allows for maximum drainage of liquids.
- 3/4" thick for added comfort.
- Choose from black or eleven other bright colors.
- Also available in grit top surface.

Size	Black	Grit Top
12" X 12"	12" X 12"	12" X 12"
12" X 12"	12" X 12"	12" X 12"
Pre Assembled Work Stations		
30" x 36"	30" x 36"	30" x 36"
30" x 48"	30" x 48"	30" x 48"
30" x 72"	30" x 72"	30" x 72"
42" x 72"	42" x 72"	42" x 72"
42" x 96"	42" x 96"	42" x 96"
42" x 120"	42" x 120"	42" x 120"
Corner Ramp	Corner (Bk) Ramp (Bk)	Corner (Yel) Ramp (Yel)



- 100% olefin pile.
- Each square yard contains 12 ounces of 3300 denier continuous filament olefin yarn.
- Features tough solid vinyl backing comprising a total 7/16" thickness.
- Available in 16 shades of distinction.

Size
2' X 3'
3' X 4'
3' X 5'
3' X 6'
3' X 10'
4' X 6'
4' X 10'
ROLLS
3' X 60'
4' X 60'
6' X 60'
Custom Sizes per sq. ft.



- Protect floors while communicating safety awareness.
- Olefin mat flocked with 2 color safety message.
- Includes slip resistant heavy duty vinyl backing.
- All mats display vertical logos and are in stock for fast delivery.
- Messages include: "Caution", "Get Tough On Safety", "Safety Starts Here", "You Make Quality Happen", "Quality Begins With You" and "Safety Is No Accident".
- Call for quotes on custom mats.

Size
3' X 5'

- Vinyl sponge instantly absorbs unrolled static.
- Eliminates the hazard of data loss.
- Embossed pebble design is easy to clean & provides superior wear.
- Overall thickness, 3/8".
- Surface Resistivity - 10^9 ohms per square.
- Also available in carpet top with anti-fatigue sponge backing.

Stat-Zap™ Anti-Static Matting			
Size	CT	CT A/E	A/S T-S
2' X 3'	2' X 3'	2' X 3'	2' X 3'
3' X 4'	3' X 4'	3' X 4'	3' X 4'
3' X 5'	3' X 5'	3' X 5'	3' X 5'
3' X 6'	3' X 6'	3' X 6'	3' X 6'
3' X 10'	3' X 10'	3' X 10'	3' X 10'
2' X 60'	2' X 60'	2' X 60'	2' X 60'
3' X 60'	3' X 60'	3' X 60'	3' X 60'
4' X 60'	4' X 60'	4' X 60'	4' X 60'



Size
3' X 60'
4' X 60'
6' X 60'



- 1/8" thick vinyl runner.
- Provides safety awareness & directs traffic flow.
- Pebble surface provides extra traction, long wear & easy maintenance.
- Resists most common fluids & chemicals.

- Resilient sponge base reduces fatigue.
- Protects from dangerous sparks.
- Prevents the accumulation of static.
- Each mat has one grounding snap.
- 10^5 ohms surface to surface.
- 10^5 ohms surface to ground.

Size
3' X 5'
Custom Cuts
Sq. Ft.



Size
2' X 105'
3' X 105'
4' X 105'

- 1/8" thick solid vinyl runner.
- Abrasive surface reduces slippage.
- Usable in wet or dry environments.
- Self extinguishing for fire safety.

Series 6680



Mats & Matting

Series 6682D

Ribbed Spike Resistant No. 341

Thick, highly abrasion-resistant, rubber compound can stand the punishment of spikes, cleats and skates without breaking down.



Uses:

Indoor and Outdoor
Recreational Areas.

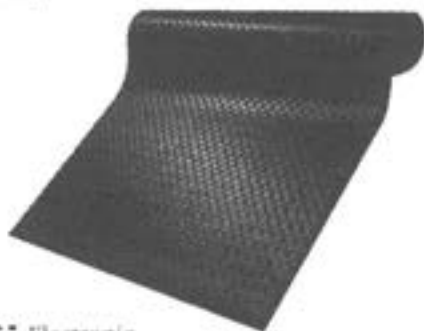
- Ribbed surface channels moisture and scrapes debris from athletic footwear.
- Protects expensive floors and carpeting from damage.
- Long lasting.
- Easily cleaned and maintained.
- 1/4" ribbed rubber reinforced with chopped textile cords for added tensile strength.

Color: Black.

Stock	Custom
2', 3' and 4' x 22'	2', 3' and 4' widths up to 22' in length.

Diamond Plate Military Switchboard Matting, Type III No. 712

Non-conductive matting that is designed to meet strict military standards.



Uses:

Electronic
and High Voltage Apparatus.

- Meets all test methods and property requirement of Mil. Spec. 15562-F, Amend. 3, Type III.
- Ozone, oil, acid and flame-resistant.
- 30,000 volts Dielectric Strength. 15,000 volts AC Proof Test.

Color:

Gray.

Stock Size

3/16" x 3' x 75"

Std. Ribbed Series 6682

Grit Strips

Series 10,800

Mineral coated non-skid surfacing with a pressure sensitive adhesive back. Remove paper backing and press in place; sticks to all smooth, clean dry surfaces. Remove wax and grease from floors before applying. We recommend a light coat of grit strip adhesive on the floor before the adhesive back strips are applied. This gives a better bond and longer life. Ideal for slippery entrances, kitchens, stairways, ramps, inclined aisles.



SIZES: BLACK COLOR ONLY

1/4" wide x 24" long, with pre-cut rounded corners	3 lb. pk.
3" wide x 24" long, with pre-cut rounded corners	9 lb. pk.
3" wide x 36" long, with pre-cut rounded corners	12 1/2 lb. pk.
6" wide x 24" long, with pre-cut rounded corners	17 lb. pk.
5 1/2" wide x 5 1/2" long, with pre-cut rounded corners	4 lb. pk.

Approx.
Wt.

SIZES: BLACK COLOR ONLY

1/4" width—cut to any length up to 60 ft. long...	1.3 lb. roll
1" width—cut to any length up to 60 ft. long...	1.7 lb. roll
2" width—cut to any length up to 60 ft. long...	3.5 lb. roll
4" width—cut to any length up to 60 ft. long...	6.7 lb. roll
6" width—cut to any length up to 60 ft. long...	10 lb. roll
12" width—cut to any length up to 60 ft. long...	20 lb. roll

Approx.
Wt.

BROWN, GRAY, OR SAFETY YELLOW COLOR

1/4" width—cut to any length up to 60 ft. long...	1.3 lb. roll
---	--------------

An abrasive-grit surface for use on concrete, terrazzo, marble, wood; interior or exterior.

On outdoor applications or areas where moisture, gasoline or solvents may be encountered, we recommend that edges be sealed after installation. This beading sealer is available in a 5-ounce tube, each tube seals approximately 200 linear feet.

Beading Sealer—Standard package 12 tubes.

ADHESIVE—GRIT-STRIP

Use adhesive where Grit-Strip is applied to porous surface such as wood or concrete. Grit-Strip adhesive is recommended as a sealer; will give a better, longer lasting bond. Covers approx. 50 square feet single coat per quart.

Stock
No.
GSA-3
GSA-3

Size
Pint
Quart

Wt.
2 lbs.
4 lbs.



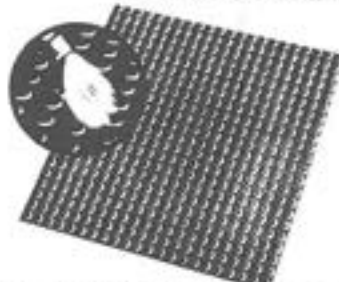
Stair Treads & Rubber Flooring

DISC-O-TILE® & DISC-O-TREDS®

FLAME RESISTANT — SOLID COLORS

A breakthrough in flame retardant flooring. Disc-O-Tile, Disc-O-Tred, and Disc-O-Riser all fully meet ASTM-E84 Steiner Tunnel Test Flame Spread Rating of 25 or less.

The low Flame Spread Rating coupled with the non-slip features of this disc design rubber flooring makes it invaluable for use in public buildings, stairways, stairway landings, entranceways, ramps, lobbies, elevator floors, hallways, hazardous areas; all will become brighter, safer, and easier to maintain with this circular disc design.



No. 788 DISC-O-TILE® FIRE SAFETY RUBBER FLOORING
Meets ASTM-E84 Flame Spread Rating of 25 or less.

$\frac{3}{8}$ " thick, 24" x 24" tile squares.
Matches No. 787 treads in style and color.

This unique flooring has a raised circular ($\frac{1}{4}$ " diameter) disc for better traction and easy cleaning. It is non-staining, non-discoloring; is fully homogenous. Large 24" square tile means quick installation, fewer joints, important for cleanliness. Ideal for ramps, lobbies, entrances, elevators, hallways; as a substitute for terrazzo or concrete floors in any public or commercial building. Tile are presequenced at the factory: sanded back for better installation.

Plain Solid Colors of #111 Gray, #119 Dark Chocolate, #120 Brick Red, #127 Brown, #170 Blue, #177 Sand, #190 Slate, or #180 Black.

Std. Size	Std. Ctn. Quantity	Approx. Wt. Ea.
24" x 24"	10	6 lbs.

Tile should be installed with arrows on tile all facing in same direction. Must be installed with Epoxy Adhesive.



No. 789-CN MOLDED COVED STAIR RISERS
Meets ASTM-E84 Flame Spread Rating of 25 or less.

Matches Disc-O-Treads and Disc-O-Tile.

Risers are 7" high, have a $\frac{1}{4}$ " toe, are approximately $\frac{1}{4}$ " thick.
Plain Solid Colors of #111 Gray, #119 Dark Chocolate, #120 Brick Red, #127 Brown, #170 Blue, #177 Sand, #190 Slate, or #180 Black.

Std. Size	Approx. Wt.
7" x 36" length	2 1/4 lbs. ea.
7" x 42" length	2 3/4 lbs. ea.
7" x 48" length	3 lbs. ea.
7" x 54" length	3 1/4 lbs. ea.
7" x 60" length	4 lbs. ea.
7" x 72" length	5 lbs. ea.

No. 786-R SMOOTH FLAT RISERS OR STRINGERS
Meets ASTM-E84 Flame Spread Rating of 25 or Less
Colors Match Disc-O-Treads and Disc-O-Tile only
 $\frac{1}{4}$ " Material x 6", 7", 8", 9", 10" or 12" Wide
Cut to exact lengths desired up to 12' maximum
Approx. Wt. 1 1/2 lbs. per sq. ft.



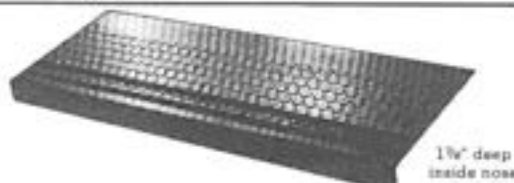
No. 787 DISC-O-TRED® FIRE SAFETY DESIGN TREADS
Meets ASTM-E84 Flame Spread Rating of 25 or less.

$\frac{1}{4}$ " thick at front edge tapering to $\frac{1}{8}$ " at back edge.
 $1\frac{1}{4}$ " long square nose to fit panfilled steps and molded concrete steps — $1\frac{1}{4}$ " deep.

Ideal for any stairway where fire safety is a prerequisite. Treads have raised circular discs for better traction; sanded backs for easy installation. They are extremely durable, easy to clean; offer a safer rubber surface for any commercial building stairway.

Plain Solid Colors of #111 Gray, #119 Dark Chocolate, #120 Brick Red, #127 Brown, #170 Blue, #177 Sand, #190 Slate, or #180 Black.

Std. Length	Approx. Wt. Per Tread
36"	7 1/4 lbs.
42"	8 1/4 lbs.
48"	10 lbs.
54"	11 lbs.
60"	12 1/4 lbs.
72"	15 lbs.



No. G5787 GRIT STRIP DISC-O-TRED® FIRE SAFETY DESIGN TREADS

Two Black Grit Strips recessed 1" from front edge.

Black Grit Strips supplied unless otherwise specified.

Meets ASTM-E84 Flame Spread Rating of 25 or less.

$\frac{1}{4}$ " thick at front edge tapering to $\frac{1}{8}$ " at back edge.
 $1\frac{1}{4}$ " long square nose to fit panfilled steps and molded concrete steps — $1\frac{1}{4}$ " deep.

Smooth Rear Border is $3\frac{1}{4}$ " deep

Ideal for any stairway where fire safety is a prerequisite. Treads have raised circular discs for better traction; sanded backs for easy installation. They are extremely durable, easy to clean; offer a safer rubber surface for any commercial building stairway.

Plain Solid Colors of #111 Gray, #119 Dark Chocolate, #120 Brick Red, #127 Brown, #170 Blue, #177 Sand, #190 Slate, or #180 Black.

Std. Length	Approx. Wt. Per Tread
36"	7 1/4 lbs.
42"	8 1/4 lbs.
48"	10 lbs.
54"	11 lbs.
60"	12 1/4 lbs.
72"	15 lbs.

GRIT STRIP INSERTS — are also available in Yellow, Brown or Gray.



Cool Curtain Strip Doors

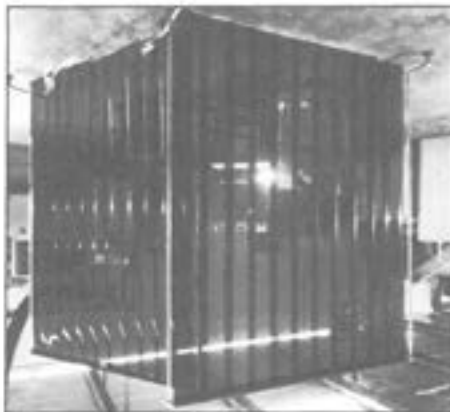
Whether you need an air containment system to retain refrigerated air or provide a rugged barrier to reduce contaminate flow in industrial environments, Cool Curtain-CCI has the **ENERGY SAVING** product to fit your needs. Because Cool Curtain-CCI strip doors open only as much as necessary to permit passage of foot or motorized traffic, they offer a more effective barrier than conventional doors. This significantly reduces energy costs and product spoilage; and creates a barrier that controls fumes, dust, drafts, heat, cold and noise. These facts add up to more profit for your business.

Series 10,925, 10,930, 10,931



WAREHOUSE AND DOCK DOOR

Saves on heating fuel and air-conditioning. Seals out winter cold and summer heat. Allows easy passage of people and machinery, while controlling flies, birds and dust.



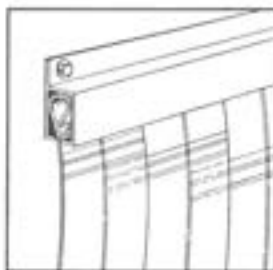
WELDSCREENS

Weldscreen material (shown here) offers excellent protection from ultraviolet and infrared light generated in welding operations.

INSTALLATION SYSTEMS

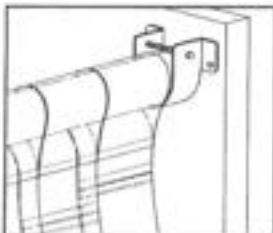
SERIES G

Cool Curtain-CCI's newest installation system combines the strength of the SERIES F with easy installation and convenience in strip replacement. Each strip slides into the aluminum mounting, creating a strong and secure hanging system. Extremely useful when clearing lighting fixtures or electrical boxes.



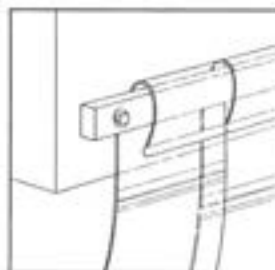
SERIES U

This bracket and round bar construction is heavily utilized by the trucking industry for refrigerated transport. The removable bolt in the "U" bracket allows for removal of the entire curtain in minutes.



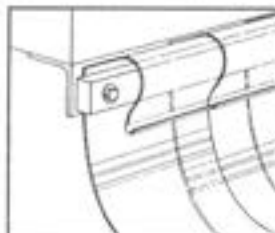
SERIES F

This is the toughest, most reliable method of installation. A heavy aluminum bar is passed through the bonded loop at the top of each strip. The bar is then bolted in above the door jamb.



SERIES AF

Similar to the SERIES F system, SERIES AF is used overhead on flat ceilings or in the door jamb when obstructions will not permit the strip door to overlap the main door frame.



A big word about our service... **DEPENDABLE**



Boss Adhesives & Sealants

SEALANTS AND ADHESIVES

No two sealant applications are alike. Location, weather, chemical exposure and temperature factor into how well a sealant performs.

BOSS provides a wide selection of sealants, each formulated to meet or exceed industry standards.

Whether your needs call for an industrial or construction sealant, BOSS sealants are formulated to perform.

INDUSTRIAL SEALANTS AND ADHESIVES

Within any plant, a sealant will be called upon to perform tasks ranging from minor repairs to critical maintenance. BOSS acetox and neutral silicone sealants provide exceptionally high quality, flexibility and strength. Acetox cure formulations release a vinegar-like odor as they cure while neutral cure products have little or no odor.

BOSS 310 Industrial Silicone Sealant

- A one-part acetox cure adhesive/sealant suitable for general industrial uses
- Adheres to clean metal, glass, many types of wood, RTV silicones, vulcanized silicone rubber and ceramics
- Resists weathering, vibration, moisture and extremes in temperature

BOSS 315 RTV Silicone Adhesive/Sealant

- Paste-like, one component acetox material that cures to a tough, rubbery solid when exposed to moisture in the air
- Meets MIL-A-46106A, Type 1 and is UL recognized
- Will not sag, slump or run off—making it excellent for overhead and sidewall joints
- Will adhere to clean metal, glass, most types of wood, RTV silicones, vulcanized silicone rubber and ceramics
- Excellent resistance to weather, temperature extremes and caustic environments

BOSS 317 Silicone Plastic Adhesive

- Neutral cure formulation exhibits excellent adhesion to most plastics and vinyls, as well as masonry, most woods, glass and metal
- Cures to a tough rubbery solid at room temperature when exposed to water vapor in the air
- Low odor, non-corrosive, high modulus



BOSS 318 Neutral Silicone Sealant

- Low odor, non-acidic cure
- Excellent adhesion to plastics, including polycarbonate, as well as most conventional building materials
- Extremely low modulus has excellent movement capabilities
- Fast skinover time of 2-4 minutes

BOSS 320 RTV Self-Leveling Adhesive/Sealant

- Free-flowing, self-leveling, one component acetox material
- Low viscosity allows sealant to fill minute crevices and voids in potting and sealing applications
- Ready-to-use material cures at room temperature to a tough rubbery solid
- Adheres to most common substances including many metals, glass, most woods and ceramics
- Resists weathering, moisture, vibration, ozone and extremes in temperature

BOSS 323 Hi-Temp Blue Gasket Maker

- Paste grade acetox silicone cures to a tough rubbery solid at room temperature when exposed to water vapor in the air
- Makes formed-in-place gaskets in minutes
- Insulates thermally and electrically
- Provides both waterproof and weatherproof seal
- Resists temperatures up to 550°F

BOSS 326 Hi-Temp Red Silicone Sealant

- Provides a protective coating where parts must perform at temperatures up to 600°F
- Used in critical bonding, sealing, potting, and encapsulating applications
- Paste grade acetox silicone
- Cures to a tough rubbery solid at room temperature
- Meets Mil-A-46106A, Type 1 and is UL recognized

BOSS 327 LV Hi-Temp Red Sealant

- Paste grade acetox silicone cures to a tough, rubbery solid at room temperature when exposed to water vapor in the air
- Low volatile formulation meets automotive requirements
- Service temperature up to 600°F

Boss Adhesives & Sealants



CONSTRUCTION SEALANTS AND ADHESIVES

A construction site creates its own special sealant requirements due to harsh extremes in weather and the intense flexing of joints.

Whatever the requirements, there is a BOSS sealant for every application. From high-quality caulks to UL classified foam sealants, BOSS delivers advanced formulations with excellent adhesion, durability, flexibility, weatherability and water resistance.

BOSS 333 Expanding Foam Sealant

- Easy-to-use, multi-purpose urethane foam
- Unlike ordinary sealants, it expands three times its original volume
- Adheres to all building materials except Teflon, silicone and polyethylene
- Seals by expanding into gaps, cracks and crevices
- Uses include insulating, sealing and filling gaps around pipes, plumbing fixtures, ductwork and foundations
- UL Classified

BOSS 340 Polyurethane Adhesive/Sealant

- High modulus, non-slump, fast cure
- Cures to a tough, polyurethane elastomer
- Provides excellent adhesion to woods, masonry, metals, fiberglass and most other construction materials
- Paintable
- Ideal for environments where silicone is not allowed
- Suitable for marine applications

BOSS 361 Siliconized Acrylic Latex

- Forms bond with most building materials
- Low shrinkage, premium grade
- Designed for both interior and exterior uses
- Paintable
- Non-yellowing

BOSS 363 Tub 'N' Tile Caulk

- Siliconized, high performance, acrylic latex
- Formulated to inhibit the growth of mildew and fungus
- Paintable
- Non-yellowing

BOSS 370 HVAC/R Silicone Sealant

- One-part sealant formulated for general heating, ventilation, air conditioning, and refrigeration sealing
- Adheres to clean ductwork, other metals and many types of wood
- Meets FDA and USDA requirements for use in federally inspected meat and poultry plants
- Seals wall penetrations

BOSS 380 Construction Silicone Sealant

- Suitable for general construction applications
- Provides weatherproof and waterproof seal
- Resists ozone, UV radiation and temperature extremes
- Fills and seals gaps around windows, doors, vents, fixtures and lights
- Custom colors available upon request

BOSS 383 Construction Adhesive

- Synthetic rubber adhesive
- Ideal for bonding plywood subfloors to wood floor joints
- Meets or exceeds all requirements of the American Plywood Association Specification AFG-01
- For interior and exterior uses
- Paintable

BOSS 385 Tub & Tile Mildew Resistant Silicone Sealant

- One-part, fungicidal, acetox, RTV silicone
- Seals around ceramic tile, showers, tubs, sinks and plumbing fixtures
- Resists mildew, stains, spotting and color changes
- Remains flexible in environments with temperature extremes and high humidity

BOSS 390 Marine Grade Silicone Sealant

- One-part, non-slumping acetox, RTV silicone
- Excellent adhesion to most marine construction materials
- Resists the harmful effects of UV radiation, moisture and salt water spray
- Cures to a tough, rubbery solid that will flex with the dynamic movements of marine crafts without damaging the seal
- Not recommended for use below the waterline

BOSS 396 Window & Siding Sealant

- Low-odor, one part neutral curing, RTV silicone
- Superior bond to vinyl and most other building materials
- Recommended for masonry and concrete applications
- Provides excellent resistance to rain, cold, ozone, heat and sun light
- Adheres to metal, most woods, coated surfaces, plastics and other common materials



Boss Greases & Compounds



SILICONE GREASES & COMPOUNDS

BOSS 411 Heavy Silicone Compound

- Rejuvenates stiff and dry rubber drive belts, prolonging belt life and helps to eliminate squeals
- Withstands temperature extremes of -40°F to 400°F
- Heavy consistency, non-curing paste exhibits high resistance to washout
- Seals and lubricates rubber seals and O-rings in pumps and valves
- Meets FDA requirements for food contact

BOSS 430 Heat Sink Compound

- High thermal conductivity
- Provides a path of conductivity away from the heat generating source
- Will not harden or melt at temperatures up to 400°F
- Insulates and protects electrical/electronic devices

BOSS 440 Medium Silicone Compound

- Moisture proof seal for electrical ignition systems
- Seals and lubricates Cable TV connections
- Excellent lubricant for metal to rubber and metal to plastic assemblies
- Meets Mil-S-8660B

BOSS 450 Silicone Dielectric Compound

- Insulates electrical components from moisture and airborne contaminants
- Excellent sealant for electrical components in harsh environments, such as marine applications
- Protects against flashover

BOSS 455 Silicone O-Ring Lubricant

- Causes slight swelling of elastomeric compounds improving the seal of assemblies with O-rings
- Lubricates O-ring assemblies
- Withstands temperature extremes of -85°F to 350°F

BOSS 470 Light Silicone Compound

- Excellent mold release for foundry shell and core molds
- Release agent for plastic extruders and plastic processing equipment
- Meets FDA requirements for food contact

HAND CLEANER

BOSS Citrus Hand Cleaner with Pumice

- Specially formulated to quickly and easily remove severe soil, grime and stains without damaging the skin
- Contains aloe and lanolin
- Formulated with citrus solvents



ANTI-SEIZE COMPOUNDS

BOSS anti-seize compounds are designed to protect metal components from rust, corrosion, seizing and the harsh effects of vibration, chemicals, caustic environments and extremes in temperature.

BOSS 503 Nickel Anti-Seize Compound

- Protects and lubricates metal components to temperatures of 2600°F
- Prevents seizing and galling of metal parts
- Contains no copper

BOSS 505 Copper Anti-Seize Compound

- Protects and lubricates metal components to temperatures of 1800°F
- Prevents seizing and galling of metal parts
- Also available in a convenient, easy-to-use aerosol spray

AEROSOLS

The BOSS line of maintenance aerosols are formulated to help solve daily plant and equipment maintenance problems.

BOSS 606 Penetrating Oil

- Lubricates metal, plastic and rubber parts
- Penetrates to free seized and corroded metal fittings
- Displaces moisture
- Protects against rust and corrosion with a fine coating of oil

BOSS 615 Silicone Lubricant

- Food grade lubricant for use in federally inspected meat and poultry plants
- Excellent plastic and rubber lubricant
- Foaming action enables silicone to penetrate the assembly

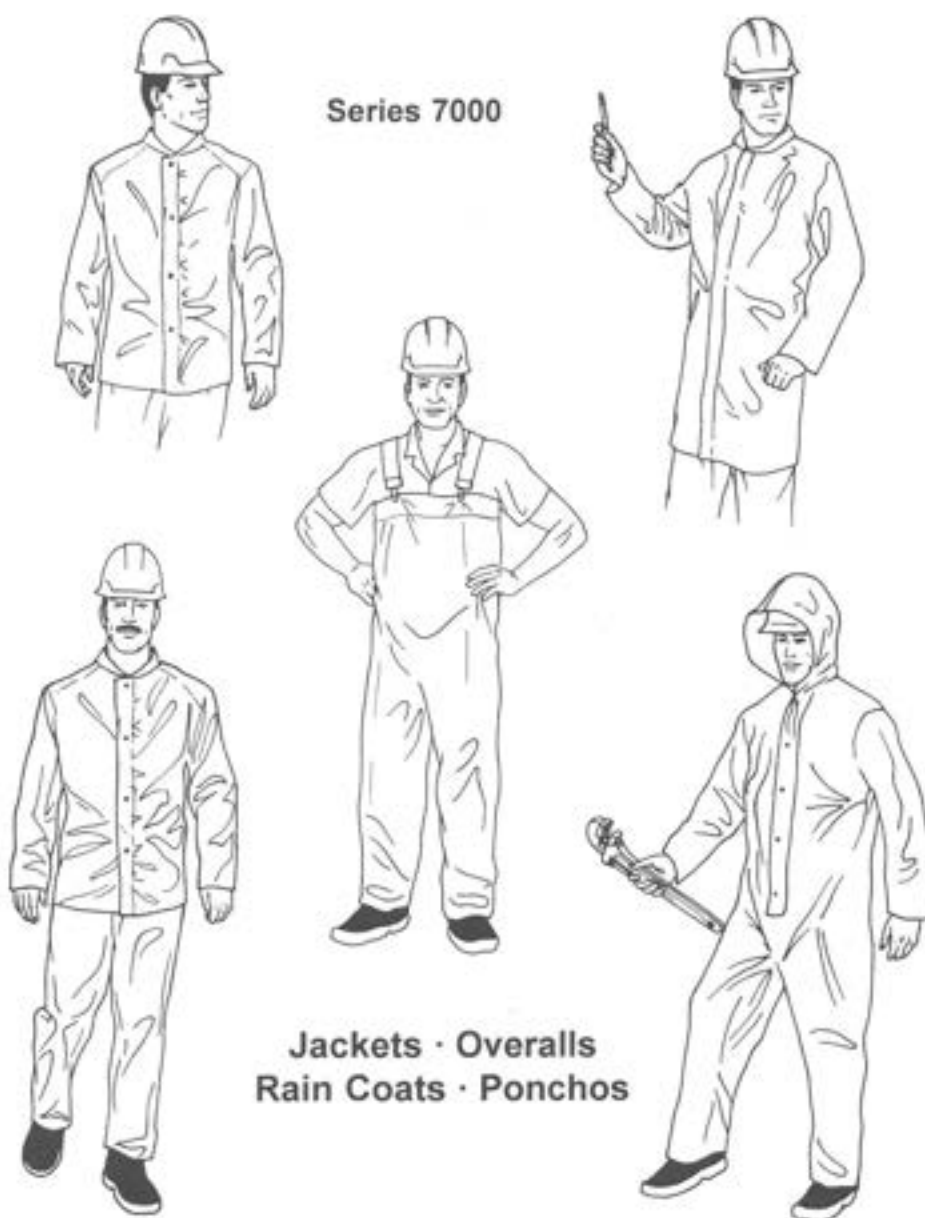
BOSS 618 Teflon Penetrating Lubricant

- Formulated for use in the harshest industrial environments
- Excellent lubricant for chains, gears, bearings and other metal to metal applications
- Ideal multi-purpose, heavy-duty lubricant spray
- Lubricates with the lubricity of Teflon

BOSS 699 Wasp 'n' Hornet Killer

- Kills wasps, hornets, bees, yellow jackets and spiders
- Kills on contact
- Shoots a wide spray pattern up to 12 feet
- Non conductive up to 26,500 volts

Protective Clothing & Boots



Series 7000

**Jackets · Overalls
Rain Coats · Ponchos**



**16" PVC Boot Plain Toe Series 7102
16" PVC Boot Steel Toe Series 7103
Hip Boot Steel Toe Series 7120
Hip Waders Series 7123**



Work Gloves



2312
Unsupported Rubber Gloves
Flock Lined, Latex, 12" Length
22mil, Yellow

Sizes: 7, 8, 9, 10



2412 Unsupported
Nitrile Gloves
Un-Lined, 13" Length,
12mil, Green

Sizes: 7, 8, 9, 10, 11

2418 Unsupported
Nitrile Gloves
Flock Lined, 13" Length,
18mil, Green

Sizes: 7, 8, 9, 10, 11



2224
Unsupported Neoprene
Over Latex Gloves
Flock Lined, 13" Length,
.030 Gauge,
Blue Over Yellow

Sizes: 7, 8, 9, 10, 11



3001
Rubber Palm Coated Gloves
Crinkle Finish, Jersey Lined
Knit Wrist

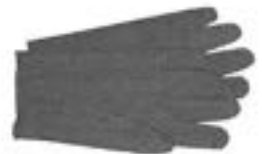


4550
Nitrile Palm Coated Gloves
Jersey Lined, 2-1/2" Rubberized
Safety Cuff



2700
Disposable Vinyl
Examination Gloves
Industrial Grade, 5mil,
Lightly Powdered

Sizes: S, M, L, XL



201
Vinyl Impregnated Gloves
Stretch Fabric, Russet Color

Men's sizes: M, L, XL



708
Imported Cotton
Canvas Gloves
8 ounce, Knit Wrist

Men's Sizes



780
Plastic Dot On
Canvas Gloves
Knit Wrist

Men's sizes



MK8
Mexican Assembled
Single Palm Gloves
Light Weight, Knit Wrist

Men's Sizes



Work Gloves



100

Leather Palm Gloves

Clute Pattern, Knit Wrist
& Shoulder Leather

Men's Size



858

Leather Palm Gloves

4-1/2" Rubberized Gauntlet Cuff
Select Shoulder Leather



1027RF PVC Gloves

Black, 12" Fully Coated,
Interlock Lined
Superior "Sandpaper" Finish



500SCL

Leather Palm Gloves

Gunn Pattern, 2-1/2" Starched
Safety Cuff & Shoulder Leather

Ladies' Size



9400 Welding Gloves

Russet Side Split Leather
Sewn With Kevlar Thread
Straight Thumb
With Thumb Strap

Also Available in Left
& Right hand Only



1047RF PVC Gloves

Black, 14" Fully Coated,
Interlock Lined
Superior "Sandpaper" Finish



528DP

Leather Palm Gloves

Gunn Pattern, Double Palm
& Index Finger
Shoulder Leather



990 Driver's Gloves

Top Grain Cowhide Leather

Sizes: S, M, L, XL



J1217RF PVC Gloves

Green, 10" Fully Coated
Jersey Lined,
"Sandpaper" Finish



800-EA

Leather Palm Gloves

4-1/2" Rubberized Gauntlet Cuff
Select Shoulder Leather



1027 PVC Gloves

Black, 12" Fully Coated
Smooth Finish, Interlock Lined



J1227RF PVC Gloves

Green, 12" Fully Coated
Jersey Lined,
"Sandpaper" Finish



Heavy Duty Conveyor & Elevator Belting

This group of belts is designed and compounded to provide the longest service life for the most commonly found bulk haulage operating environments.



2 Ply Standard -- High Abrasion Resistant

"Standard" is compounded to provide excellent abrasion resistance and flex life and is the best buy for the majority of conveyor belt applications. Its high-tension synthetic fabrics result in minimum stretch, full resistance to mildew and rot, greatest fastener holding ability and impact resistance, and highest adhesion between plies and covers. Heat resistant to 225°F.

Series 8010

2 Ply 150 1/32" x Bare
2 Ply 150 1/32" x 1/32"
2 Ply 150 1/16" x 1/32"
2 Ply 150 1/8" x 1/32"

Series 8015

2 Ply 150 1/8" x 1/16"
2 Ply 220 1/8" x 1/16"
2 Ply 220 3/16" x 1/16"

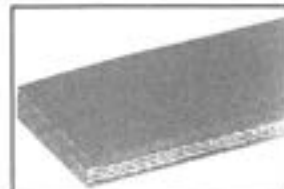


3 Ply Standard -- High Abrasion Resistant

These belts feature the same compounds and fabric as the 2 ply belts above, but offer an additional ply to provide extra strength and impact resistance.

3 Ply 330 1/16" x Bare
3 Ply 330 3/16" x 1/16"
3 Ply 330 1/4" x 1/16"

Series 8030



4 Ply Standard -- High Abrasion Resistant

Same fabric and compounds as 2 and 3 ply belts above, but 4 ply construction offers high strength and impact resistance. Used primarily on high tension conveyors with long centers, or in applications involving abusive conditions.

4 Ply 440 3/16" x 1/16"
4 Ply 440 1/4" x 1/16"
4 Ply 440 3/8" x 3/32"



2 and 3 Ply Moderate Oil Resistant

Combines excellent abrasion resistance and long flex life with moderate oil resisting properties. Ideal belt for conveying oily grains and wood chips.

2 Ply 160 1/8" x Bare MOR
2 Ply 220 1/8" x 1/16" MOR-SC
2 Ply 220 3/16" x 1/16" MOR-SC
3 Ply 225 1/8" x Bare MOR
3 Ply 330 3/16" x 1/16" MOR-SC



2 Ply MSHA - SBR

Designed for underground mining where fire resistance is required. Meets the requirements of power plants where oil resistance is not required. Carries the MSHA designation for flame resistance.

2 Ply 220 5/32" x 1/16" MSHA-SBR
2 Ply 220 5/32" x 3/32" MSHA-SBR



2 and 3 Ply MSHA Oil Resistant - Static Conductive

Specially compounded for the oily effects of grain, this belt is also static conductive. Carries the MSHA designation #28 for flame resistance. Designed for grain conveyors and elevators where static charges must be held to a minimum.

2 Ply 220 1/8" x 1/16" MSHA/MOR-SC
3 Ply 330 3/64" x 3/64" MSHA/MOR-SC





Heavy Duty Conveyor & Elevator Belting

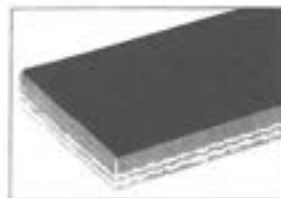
Super Oil Resistant -- (Hot Asphalt)

"Super Oil Resistant" is specifically compounded for applications requiring moderate to very high oil resistance such as hot asphalt, foundries, oily grains, machine oils and oil-treated coal. Has same high-quality fabric characteristics as "Standard".

Series 8044

2 Ply 220 3/16" x 1/16" Hot Asphalt

3 Ply 330 3/16" x 1/16" Hot Asphalt



High Heat Resistant -- 400°

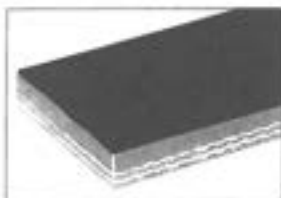
"High Heat Resistant" is a premium grade belt featuring compounds specially formulated to withstand temperatures to 400°F. It offers maximum resistance to the deteriorating effects of severe heat encountered in many applications such as in cement plants and foundries. Also tough and abrasion resistant.

2 Ply 220 3/16" x 1/16" Heat Resistant

3 Ply 225 1/8" x Bare Heat Resistant

3 Ply 330 1/4" x 1/16" Heat Resistant

4 Ply 440 1/4" x 1/16" Heat Resistant



Skirtboard Rubber/Chute Lining

Used at the point of loading for guiding product onto the center of the belt and for protecting metal parts. Also useful as lining for protecting metal and wood chutes, hoppers and troughs. Commonly found in construction, sand and gravel operations, quarries and mines and in feed and grain applications.

Series 6660

1/4" Skirtboard

3/8" Skirtboard

1/2" Skirtboard

3/4" Skirtboard

1" Skirtboard



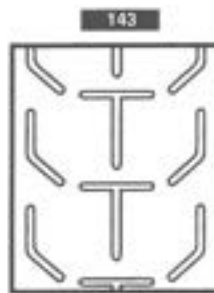
Rubber Chevron Cleated Belting



Cleat-Top



Multi-Chev



Steepclimb

The top carrying surface features 5 1/2" wide x 2" deep x 1/4" high v-shaped cleats spaced over the complete top surface on 3" oc. These ribs are an integral part of the cover. Belt thickness is 11/32" (not including ribs).

Made to prevent or reduce slideback on steep inclines. Ideal for wet and/or granular materials such as wet sand and gravel. Particularly suitable for oil applications such as wood chips, oily scrap metals, and oily grains.

The chevron cleats are V-shaped like sergeant stripes, are 1/4" high x 1/2" wide, are on 3" centers and overlap (nest) one another for the return idlers. The cleats are an integral part of the belt, having been cured as one at the same time as the belt. Belt thickness of 2 ply is 9/32" (not including cleats) and of 3 ply is 3/8" (not including cleats).

Chevron conveyor belting is used to convey wet and/or loose materials up steep inclines. The V-shaped chevron cleats prevent or reduce slideback and increase the amount of product moved by quick pick-up at the point of loading.

Strong, 1 1/4" tall overlapping chevron patterns make Steepclimb the belt for heavy-duty incline applications. Unique design assures constant 3-point contact, allowing standard flat idlers to be used on return. Standard cleat centers are 10". Cleats are permanently vulcanized to base belt with our patented bonding process.



Conveyor Belting

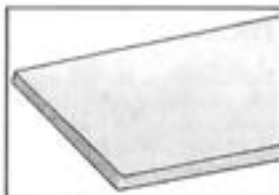
Food Handling

Poly White RMV COS

Super oil resistant PVC covers provide excellent animal and vegetable oil resistance at an economical price. Covers offer excellent resistance to staining. Belt features a durable 100% polyester carcass. Cleats can be welded to the belt surface. FDA and USDA approved.

Series 8115

150 White RMV COS



Light-Duty Conveying

Brown Nitrile FBS

Construction features tightly woven blend of cotton and polyester plies impregnated with nitrile, producing a belt suitable for light- and medium-weight conveying for a multitude of applications. Particularly popular for oily conditions, especially the conveying of metal parts; also as carrying tapes for folding machines. Commonly used for power transmission belting in the heavier weights for conditions involving oil and heat. Economical. Very flexible.

3 Ply Brown Nitrile FBS
5 Ply Brown Nitrile FBS
7 Ply Brown Nitrile FBS
9 Ply Brown Nitrile FBS



Package Handling/ Urethane/Transmission

Rubber Transmission -- FS x FS

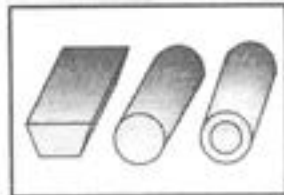
Commonly known as friction surface and/or transmission belting, this belt has long been a standard for a wide variety of conveyor applications for both slider bed and roller applications. Construction is cotton/polyester fabric plies bonded with resilient rubber compounding. Either side to pulley, vulcanized endless or metal laced. For applications where rubber covers are not necessary or desirable.

3 Ply 28 oz. Black FS x FS
3 Ply CN40 Tan (32 oz.) FS x FS
4 Ply CN40 Tan (32 oz.) FS x FS
5 Ply CN40 Tan (32 oz.) FS x FS



Extruded Plastic and Urethane Belting

Belting material is ideal for replacement of V-belts, round belts and cable belts for complex motion systems involving multidirectional belting. It outwears leather and rubber in most applications and resists deterioration from moisture, sunlight, oils, greases, solvents and most chemicals over long periods of time. Easy to make any belt length you need.



Pulleys, Idlers, And Accessories



FLAT PULLEY



WINGED PULLEY



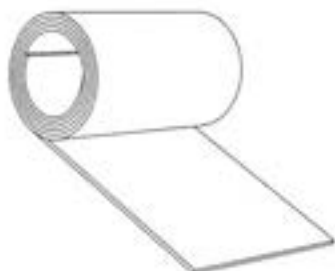
IDLER



CLEANER

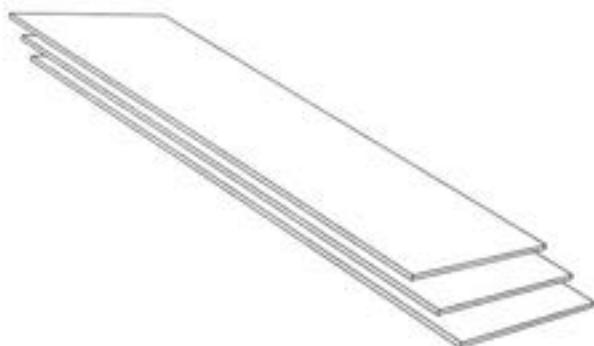


Belting Accessories



SKIRTING - LINING MATERIAL ROLL STOCK SHEET RUBBER CAN BE CUT TO LENGTH

Commercial grade rubber compounds are available to satisfy many requirements and special applications. Whether it be for chutes, bin liners, or dust control flaps, Apache can recommend the proper material to resist the effects of oil, abrasion, dust, ozone, static and environmental conditions.



WEAR/ABRASION SHEET 4' X 10' SHEETS

• urethane • plain or with backing • UHMW

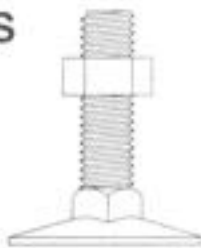
ELEVATOR BUCKETS

BUCKETS, BOLTS, AND PUNCHING...

...available in metal, nylon, polyurethane, and polyethylene to handle a variety of materials. Available in several styles. Elevator bolts are used to attach the buckets to the belt which can be punched in any required bolt hole pattern.



ELEVATOR BOLTS STEEL, STAINLESS STEEL AND ZINC-PLATED AVAILABLE



FANGED OR NORWAY STYLES

Size	Qty./box	Lbs./box
1/4" x 3/4"	100	3.1
1/4" x 1"	100	3.2
1/4" x 1-1/4"	100	3.6
1/4" x 1-1/2"	100	3.9
5/16" x 1"	100	5.3
5/16" x 1-1/4"	100	5.8
5/16" x 1-1/2"	100	6.1
5/16" x 2"	100	7.3
3/8" x 1"	50	3.8
3/8" x 1-1/4"	50	4.0
3/8" x 1-1/2"	50	4.4
3/8" x 2"	50	5.0



Flexco Conveyor Belt Cleats

TATCH-A-CLEAT® CONVEYOR BELT CLEATS

Mechanically attached cleats offer flexibility. They are easily installed on-site with simple hand tools. And, they can be moved as your requirements change or be reused if the belt is replaced.

Tatch-A-Cleat® products are carefully engineered and manufactured of specialized compounds to give optimum performance in a wide variety of conveying applications.

A complete line of mechanically attached cleats are offered under the Tatch-A-Cleat® brand. Write for full line catalog CL 900 and details.



Tatch-A-Cleat® Model HD

- Heavy-duty, molded rubber cleat designed for rugged service.
- Abrasion and heavy impact resistant.
- Cleats are 1" or 25mm in height.



Tatch-A-Lug®

- Non-marking, FDA Isoprene lugs.
- Use where cleats are not required across full belt width.
- Available in 1-1/2" or 38mm and 2" or 50mm cleat heights.



Tatch-A-Cleat® Model L

- Non-toxic molded cleat for food or small parts handling.
- Available in either black or white FDA Nitrile rubber.
- Range of sizes available from 5/8" or 30mm to 3" or 75mm high.



Econo-Cleat® Model EC

- General purpose, extruded cleat for harvesting and material handling.
- Available in a variety of sizes. Heights from 1-1/4" or 30mm to 6" or 150mm.
- Different cleat angles available, 45° to 90°.



Tatch-A-Peg®

- Non-marking, FDA Isoprene pegs.
- Eliminate roll-back and allow run-off of unwanted liquids.
- Available in 2" or 50mm and 3" or 75mm cleat height.

**Customized
Cleating
Available
To Your
Specifications**



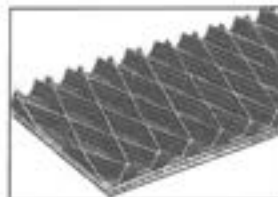
Conveyor Belting

Incline Belts

Black and Tan Wedgegrip

Constructed of plies of high-strength flexible synthetic carcass and features a diamond-top surface molded in a diagonal rib design with unusually high coefficient of friction for conveying packaged and bagged goods up the very steepest of inclines. Tan Wedgegrip is non-marking.

- 2 Ply 100 Black Wedgegrip x Bare
- 2 Ply 100 Tan Wedgegrip x Bare
- 3 Ply 135 Tan Wedgegrip x Bare

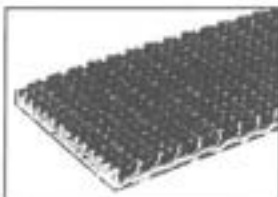


PVC Roughtops

Uni-ply construction and PVC vinyl compounds result to combine all the best properties for high traction incline conveying and best resistance to oils, greases, industrial chemicals, abuse and stretch. The green Supergrip is softer durometer for highest grab and steepest inclines.

Series 8145

- PVC - 100 Black Roughtop x FS
- PVC - 120 Green Supergrip Roughtop x FS
- PVC - 150 Black Roughtop x FS



PVC - 100 Black Chevron Top

The herringbone pattern of alternating rows of solid PVC chevrons forms a cover highly capable of moving bulk, free-flowing materials such as grains, food stuffs, feeds and fertilizers up steep inclines.

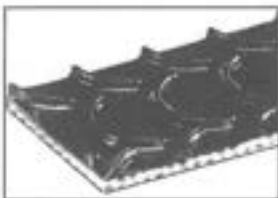
- PVC - 100 Black Chevron Top x FS



PVC Black Crescent Top

Aggressive scoop pattern for high incline conveying. Crescent pattern creates hundreds of tiny "buckets" capable of conveying liquids along with solids. Conversely, the belt can be run the opposite direction, and the upside-down crescents convey solids while draining off liquids. Belt operates smoothly and quietly on return.

- PVC - 120 Black Crescent Top
- PVC - 200 Black Crescent Top



PVC Conveyor and Elevator Belting

PVC - 120 and 150 Black

Has proven to be the longest-wearing, best-performing, most problem-free package handling belt available today. Economical, general purpose specification ideal for a variety of roller bed, slider bed and live roller applications. Offers low stretch, high fastener-holding ability and superior rip, tear, and gouge resistance.

Series 8105

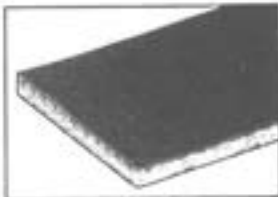
- PVC - 120 Black C x C
- PVC - 120 Black C x FS
- PVC - 120 Black FS x FS
- PVC - 150 Black C x C
- PVC - 150 Black C x FS
- PVC - 150 Black FS x FS



PVC - 200 Black

Problem-free, high-performance elevator belt popular in the feed and grain industries. Also popular as heavy-duty package and bulk-product conveyor belt for both slider bed and roller bed conveyors.

- PVC - 200 Black C x C
- PVC - 200 Black C x FS
- PVC - 200 Black FS x FS



Monofilament Thermoplastic Belting

CALL FOR COMPLETE INFORMATION

Nylon Core and Woven Nylon Belting

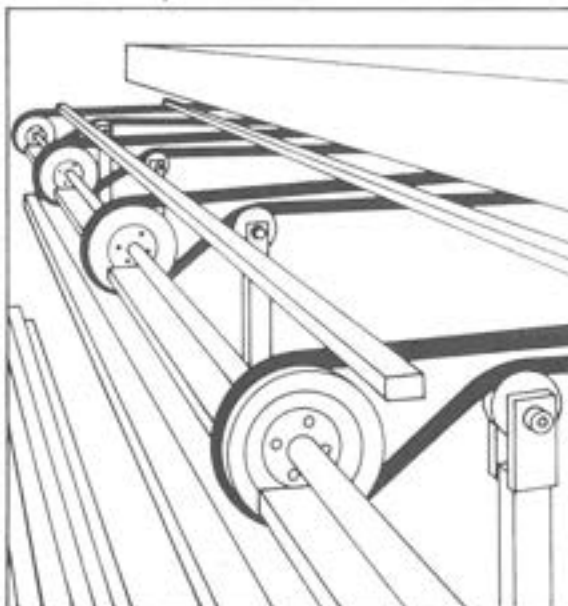
Nylon core belts are used primarily as power transmission belts. The thicker the nylon core, the greater the horsepower the belt can handle.

CALL
FOR
COMPLETE
INFORMATION



FENNER MANHEIM Urethane Belting

Red-Go®, Clear-Go® & O-Thane®



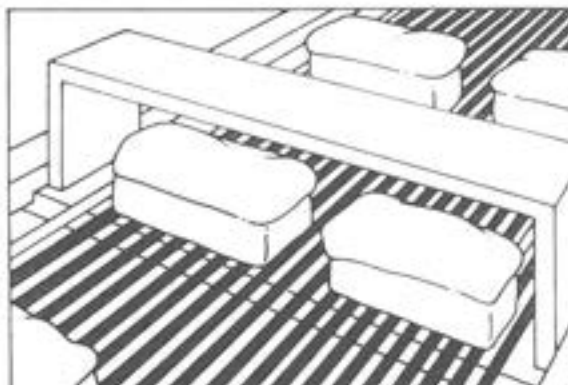
Red-Go® 85 and Clear-Go® 85

- Resilient, highly flexible, elastic belting
- High friction, self-tensioning
- Most widely applied general purpose urethane belt, easily weldable
- FDA/USDA approval on Clear-Go

Manufactured in an 85 Shore A durometer urethane, Red-Go® 85 and Clear-Go® 85 are the most widely used urethane belts. Both are excellent for applications requiring high friction, abrasion and chemical resistance and ease of installation.

Their urethane construction is non-marking and ideal for gentle handling of fragile products. Urethane's

predictable stretch characteristics allow Red-Go and Clear-Go belting to be stretched easily over pulleys. The belting also retains its tension without adjustment. A wide range of shapes is available, including flat, round, V, twin V, and more. Red-Go and Clear-Go are easily welded endless in minutes using the Fenner Manheim welding kit.



Clear-Go® 95

- Greater rigidity, lower stretch
- Lower friction than 85A
- Ideal for heavier duty applications than 85A material
- FDA and USDA approved

Clear-Go® 95 is available in most of the same shapes as the softer 85A material. It is ideal for applications requiring less stretch. It will carry heavier loads and

transmit more power but still requires no mechanical tensioning device. Clear-Go 95 is resistant to abrasion, most chemicals, and installs easily.



O-Thane®

- Hollow, elastic, flexible belting
- Ideal for light material handling applications
- Easiest belting to splice. No welding

O-Thane® is a hollow, round urethane belt that can be spliced easily using a barbed metal fastener inserted into each end of the belt. It is highly flexible and

resilient, making it a good belt for many light-duty applications. FDA/USDA approved. Most specifications similar to Clear-Go 85.

A big word about our service... **DEPENDABLE**



FENNER MANHEIM O-Rings

O-RINGS

Characteristics

- Available in all standard Red-Go and Clear-Go sizes and durometers.
- Welded endless.
- Highly elastic, excellent memory.
- High coefficient of friction.
- Accommodates misaligned shafts.
- Lengths available welded to customer specifications.

ORDERING INFORMATION:
Please order O-Rings by cut length measurement
(cut O-Ring and measure from end to end).

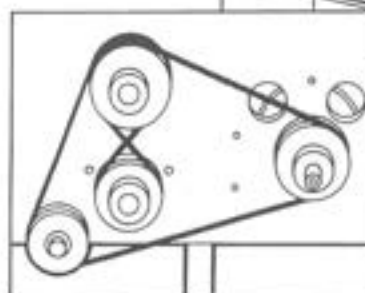
Other dimensions used for O-Rings:



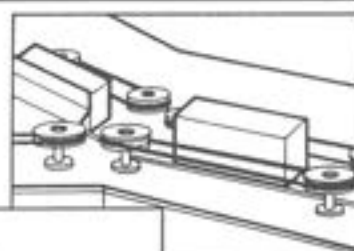
DIAMETER



CIRCUMFERENCE



Power transmission.



Packaging and conveying.

Twisted O-Rings

- Clear color, 85 Shore A Durometer.
- Special hook design allows easy installation.
- Highly flexible, allowing small pulleys.
- Strength comparable to O-Rings.
- High coefficient of friction.
- Accommodates misaligned shafts.

Stock sizes.

Twisted O-Rings.

3/16" dia. x 5-1/2".

3/16" dia. x 6".

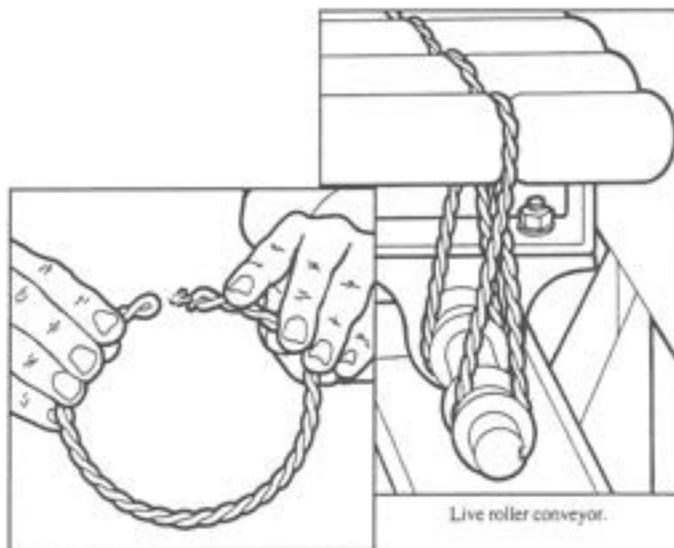
3/16" dia. x 12-1/2".

3/16" dia. x 13".

3/16" dia. x 13-1/2".

3/16" dia. x 14-1/2".

Also available in 1/8", 1/4"
and 5/16" diameters and
other lengths.



Live roller conveyor.

**MAKE THE
CONNECTION . . .**



CALL or FAX



**for complete
Hose Assemblies**





Flexco Belt Lacing Tools

Series 8305

Choose From Two Methods: Hand Tools Or Power Tools

In addition to a templet, the following hand or power tools are required for installation: a punch or a boring bit (the punch is preferred for general use and where belt cover is over 3/16" thick), a bolt horn (to ease bolts into Flexco top plates, except Nos. 2-1/2 and 3), a wrench, and two bolt breakers.

Use of a power impact wrench, which cuts application time by approximately 50%, also requires a quick change chuck to adapt Flexco tools to the square drive stud on air or electric impact wrenches.

Hand Tool Ordering Numbers

Fastener Number	Bolt Hole Diameter in. mm.	Punch		Boring Bit		Wrench		Bolt Breaker	
		Ordering Number	Item Code	Ordering Number	Item Code	Ordering Number	Item Code	Ordering Number	Item Code
1, 140, 190 RP1 & SP6	1/4 6.4	P1P	30460	B1B (fits 3/8" drill)	30468	S1S	30442	110	30476
1-1/2, 2 2-1/4 & RP2	5/16 7.9	P2P	30461	B2B (fits 3/8" drill)	30469	S2S	30443	112	30477
2-1/2 & 3	3/8 9.5	P3P	30462	B3B (fits 1/2" drill)	30470	S3S	30444	113	30478

Power Tool Ordering Numbers

Fastener Number	Bolt Hole Diameter in. mm.	Power Punch		Power Boring Bit		Power Wrench		Bolt Breaker	
		Ordering Number	Item Code	Ordering Number	Item Code	Ordering Number	Item Code	Order as above	
1, 140, 190 RP1 & SP6	1/4 6.4	HP1	30463	HB1	30471	HW1	30447		
1-1/2, 2 2-1/4 & RP2	5/16 7.9	HP2	30464	HB2	30472	HW2	30448		
2-1/2 & 3	3/8 9.5	HP3	30465	HB3	30473	HW3	30449		

Quick Change Chuck

To use power tools, a Quick Change Chuck is required. This adapts FLEXCO® tools to the square drive stud on air or electric impact wrenches.

Quick Change Chuck Ordering Numbers

Ordering Number	Item Code	Drive Size
5552	30481	1/2"

Quick Change Chuck



Power Punch

Power Boring Bit

Power Wrench



Flexco-Lok® Tape

Flexco-Lok® Tape is a rigid, nylon strip that eliminates belt ripple on plied or solid woven belting. It also seals belt ends against seepage of fines and moisture.

It is inserted under fasteners before the bolts are tightened.

Elimination of belt ripple permits splices to roll smoothly over pulleys and under scrapers. This assures even belt tension and uniform wear across the splice. Carton contains 100 ft. roll of tape, plus instructions.

Flexco-Lok® Ordering Numbers

Fastener Size	Ordering Numbers	Item Code
Nos. 140, 1, SP6	FL7C	30888
Nos. 190, 1-1/2, 2, 2-1/4	FL11C	30889

Flexco® Cracking Chisels

With hammer and a Flexco® Cracking Chisel you can quickly replace prematurely worn top plates. Removal of prematurely worn plates avoids installing a complete new splice. Saves time and money. Two sizes available.



Cracking Chisel Ordering Numbers

Nut Size	Order Number	Item Code
1, 140 or 190	C1C	30438
1-1/4, 1-1/2, 2 or 2-1/4	C2C	30439

Bolt Breaker





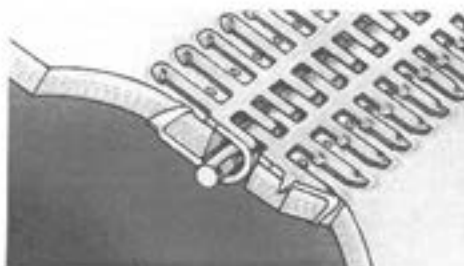
Flexco Belt Lacing

Series 8305

How ALLIGATOR® Lacing Works

ALLIGATOR® Lacing utilizes a design with teeth that enter parallel to the length of the belt and imbed clear through the belt carcass. The teeth are formed so that when they are driven into the belt, the vital longitudinal carcass fibers are not severed.

Additional strength is obtained due to the connecting bar and because the fastener strip is one continuous piece. This provides a strong, vise-like hold on the belt and distributes belt tension evenly across the entire belt width. The one-piece fastener strip also insures that there are no loose pieces to work themselves out of the belt and into the conveyed product. The straight splice obtained with a continuous strip of lacing also helps with hinge pin insertion.



Metals Available

Steel • Steel is the standard fastener material.

Stainless Steel • Type 316 Stainless Steel.

ALLIGATOR Lacing Selection Chart

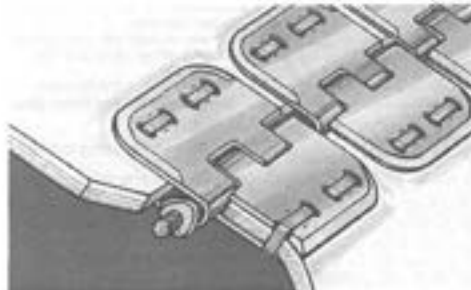
Lacing Size No.	A		B		C	
	For Belts With Mechanical Fastener Ratings Up To:		Belt Thickness Range:		Recommended Minimum Pulley Diameter:	
	PSI	kN/m	in.	mm	in.	mm
00	25	4.3	Up thru 1/16	up thru 1.6	1	25
1	45	7.8	1/16-3/32	1.6-2.4	1-1/2	38
7	50	8.7	3/32-5/64	2.4-3.8	2	51
15	65	11.4	1/8-5/32	3.2-4.0	2-1/2	64
20	95	16.8	5/32-3/16	4.0-4.8	3	76
25	100	17.5	3/16-7/32	4.8-5.8	4	102
27	100	16	7/32-9/32	5.6-7.1	5	127
35	150	26	9/32-5/8	7.1-7.9	7	178
45	165	29	5/8-3/4	7.9-9.5	9	229
55	175	30	3/4-7/8	9.5-11.1	12	305
65	200	35	7/8-1-1/2	11.1-12.7	14	356

How ALLIGATOR® Staple Fasteners Work

Designed for today's light and middle-duty synthetic carcass belting, the ALLIGATOR® Staple fastener utilizes high tensile, stainless steel staple attachment, in conjunction with an extended plate design. This design separates the point of fastener penetration from the line of belt flexing to eliminate splice fatiguing (sawing) action at the point of attachment.

Staple fasteners are furnished in strips with a bridge between each fastener plate. This strip design prevents individual parts (as with belt hooks or teeth in other styles of fasteners) from getting into the product being conveyed. It also provides a stronger splice, greater resistance to impact damage and a smoother, unrippled joint that helps make hinge pin insertion easier.

Staples are hammered driven through the fastener and belt, working between the carcass fibers without severing them. The staples are then clinched cross-wise to the belt; in this way, belt tension does not pull against the staples to unclinch them.



Metals Available

Steel • Standard fastener material.

Stainless Steel • Type 316 Stainless Steel.

Magnetic Stainless Steel Type 430. (No. 62 and No. 125 only)

MegAlloy® • A hardened steel alloy for extreme abrasion (No. 125 and No. 187 only).

Series 8305

ALLIGATOR® Staple Fastener Selection Chart

Fastener Size No.	A		B		C	
	For Belts With Mechanical Fastener Ratings Up To:		Belt Thickness Range:		Recommended Minimum Pulley Diameter:	
	PSI	kN/m	in.	mm	in.	mm
62	100	17	1/16-1/8	1.6-3.2	2	50
125	160	28	1/8-3/16	3.2-4.8	3	75
187	200	35	3/16-1/4	4.8-6.4	4	102
310	250	44	1/4-5/16	6.4-7.9	4	102

How FLEXCO® Bolt Hinged Fasteners Work

FLEXCO® Bolt Hinged fasteners provide a flexible joint for belts operating over small pulleys. Because the joint is easily separated by simply removing the hinge pin, entire belt sections may be added or eliminated.

Designed as a compression fastener, the FLEXCO® Bolt Hinged model is fastened to the belt ends with high strength bolts. These compress the plates into the belt cover. Additional holding capability is provided by the fastener teeth that imbed in the belt without damage to the belt carcass.

This combination distributes the splice tension across the entire plate width, while the teeth secure the fastener into the belt carcass to resist pull-out.



Metals Available

Steel • Plated Steel is the standard fastener material.

Stainless Steel • Type 316 Stainless Steel (No. 375X and No. 550 only).

Everdur® • Compared to steel, a spark-free and non-magnetic material (No. 375X only).

FLEXCO® BOLT HINGED Belt Fastener Selection Chart

Fastener Size	A		B		C	
	For Belts With Mechanical Fastener Ratings Up To:		Belt Thickness Range:		Operating Tension 100% Of Belt Rating	Operating Tension Under 75% Of Belt Rating
	PSI	kN/m	in.	mm	in.	mm
375A	190	33	1/4-13/32	6-10	6	152
550	300	52	1/4-5/8	6-16	9	230
750	400	70	5/8-7/8	14-22	30	507

Flexco Belt Lacing

Series 8305

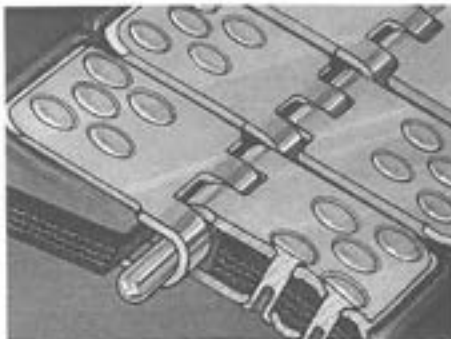
How FLEXCO® Rivet Hinged Fasteners Work

Designed for newer synthetic carcass belting as well as older styles, FLEXCO® SR® (Self-Setting Rivet) Fastener utilizes multiple rivet attachment. This provides maximum resistance to pull-out and allows the patented rivets to work between the carcass fibers without severing them, leaving the entire belt carcass intact. It does not rely solely upon the carcass material to resist pull-out.

Because the rivets are self-setting, fasteners are installed quickly from the top side of the belt.

Rivets are driven through the fastener plates and through the belt, passing between the carcass fibers. The specially shaped head of each pilot nail works in conjunction with the applicator tools' anvil plate to set the rivets.

The same hammer blows that set the rivets also compress the fastener plates into the belt cover. This simultaneous compressing and peening maintains each increase in compression, distributing the splice tension evenly across the full belt width.



Metals Available

Steel • Plated Steel is the standard fastener material available.

RustAlloy™ is a lower chrome, stainless steel alloy.

Stainless Steel • Type 316 stainless steel (R5 only).

FLEXCO® Rivet Hinged Belt Fastener Selection Chart

Fastener Size	A		B		C			
	For Belts With Mechanical Fastener Ratings Up To P118 M/mm		Belt Thickness Range in. mm		Recommended Minimum Pulley Diameter			
					Operating Tension Under 100% of Belt Rating in. mm		Operating Tension Under 15% of Belt Rating in. mm	
R5	450	78	7/32"-7/16"	6-11mm	9"	230mm	7"	175mm
R5-1/2	650	114	5/8"-19/32"	9-16mm	12"	300mm	10"	250mm
R6	800	180	13/32"-11/16"	12-17mm	18"	450mm	16"	400mm

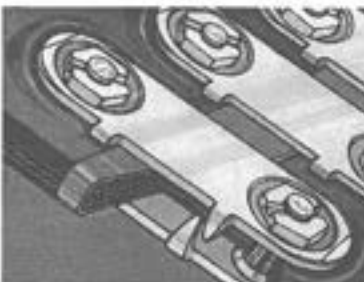
How FLEXCO® Bolt Solid Plate Fasteners Work

Strength of this fastener is derived from the compression of the plates, mounted above and below the belt, with high tensile strength bolts. This "compression" distributes the splice tension across the full width of each fastener plate. The holding ability is, thereby, increased by not solely relying upon the bolts to resist pull-out.

Additional strength and resistance to pull-out is obtained from the specially formed teeth on each plate. These teeth imbed deep into the belt carcass, but without damaging the carcass fibers.

A tight belt splice is achieved through the exaggerated bolt hole spacing in the template which forces the belt ends together. And, FLEXCO® Bolt Solid Plate Fasteners permit natural conformance with loughing or transition idlers.

The 140, 190 and 2-1/4 size fasteners are specifically designed for today's thinner belting, allowing increased compression, greater reach-back and more fastener plates per belt width.



Metals Available

FLEXCO® Bolt Solid Plate fasteners are available in Steel, Stainless Steel, Monel®, Everdur®, MegAlloy®, Promal® and Rubber Covered Steel.

FLEXCO® Bolt Solid Plate Fastener Selection Chart

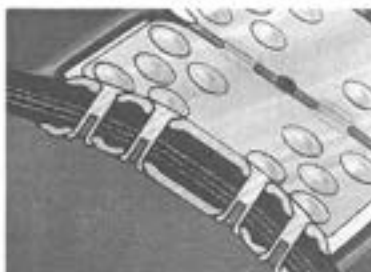
Fastener Size	For Belts With Mechanical Fastener Ratings Up To P118 M/mm	Belt Thickness Range in. mm	Recommended Minimum Pulley Diameter (90° Splice)		
			Operating Tension 75-100% of Belt Rating in. mm	Operating Tension 50-75% of Belt Rating in. mm	Operating Tension Under 50% of Belt Rating in. mm
1	150	30	3/16-7/16	5-11	12 300
140	125	40	3/16-7/16	5-11	14 360
190	320	60	5/16-9/16	8-14	18 480
1-1/2	300	50	7/16-11/16	11-17	18 480
2	440	75	9/16-13/16	14-21	28 710
2 (when used with No. 3 Load Wedlock pattern)	700	123	5/16-1-1/4	8-22	28 710
			(Belt over 7/8 (22mm) require extra long No. 2-1/4 bolts)		
2-1/4	620	105	9/16-1-3/16	14-30	36 900
3-1/2	450	75	3/4-1	19-25	42 1075
3	560	100	15/16 & over	24mm & over	48 1220
SR6	180	26	1/4-1/2	6-13	14 360

How FLEXCO® Rivet Solid Plate Works

BR is "anything but" a traditional mechanical fastener and represents a totally new generation of belt splicing. Because of its proven reliability in higher-tension belts, it is recommended by leading belt manufacturers for demanding service conditions. BR offers longer service life and is an excellent replacement for vulcanized splicing in a wide range of applications.

The heart of the system is the patented FLEXCO® self-setting rivet. Designed for today's high strength synthetic carcass belting, the fastener is installed with a staggered pattern of rivets to insure maximum grip on the belt fibers. Working between these fibers without severing them, the strength of the belt is left intact. The specially-shaped head of each pilot nail works with the installation tool's anvil plate to "self-set" the rivets.

The same hammer blows that drive and set the rivets also tightly compress the fastener plates for the strongest possible splice. The broad width and heavy gauge of the plates give extended wear life. These plates compress uniformly and are specially coined so there are no high spots or edges to hang up.



Metals Available

Steel • Steel is the standard fastener material.

Everdur® Non-magnetic, and compared to steel, spark-free (BR-10 only).

MegAlloy® High abrasion resistance.

Stainless Steel • Type 316 Stainless Steel (BR-10 only).

FLEXCO® Rivet Solid Plate Fastener Selection Chart

Fastener Size	For Belts With Mechanical Fastener Ratings Up To P118 M/mm	Belt Thickness Range in. mm	Recommended Minimum Pulley Diameter		
			Operating Tension 75-100% of Belt Rating in. mm	Operating Tension 50-75% of Belt Rating in. mm	Operating Tension Under 50% of Belt Rating in. mm
BR-10	650	114	7/32"-11/16"	6-17	18 450
BR-14	800	180	13/32"-15/16"	12-24	26 660

Clipper Belt Lacing

Gator Belt Hook System

How to Specify the Correct Fastener

Proper hook sizing depends on the thickness of your belt and the diameter of your smallest pulley drive. **Measure your belt thickness.** In the selection chart below, belt thickness is indicated across the top of the chart.

Measure the diameter of the smallest pulley in your drive. In the selection chart below, pulley diameters are indicated in the left column.

Using the chart below, choose the fastener size appropriate for your specifications.

To select the proper hook size for your application, find the diameter of the smallest pulley in your drive system in the left-hand column, then find the thickness of your belt in the top row. Extend lines down and to the right from these two dimensions. You can use all hook sizes above and to the left of these lines.

For example, if your application has a minimum pulley diameter of 3" and a belt thickness of 1/8", you could use size #30LP, #1L, #1L2P, #1LP, #1T, or #3SP hooks.

Normally, the best results are achieved when the belt thickness falls in the middle of the fastener's recommended range.

In this example, #1LP hooks would probably be chosen. Remember that hook selection also depends on each belt's construction and compressibility.

We will work with you to help determine the optimum hook size and type for your application. If required, customized hook configurations can be provided on a special-order basis.

☐ Carded only ☐ Tie-Bar only ☐ Carded or Tie-Bar

Gator Hook Selection Chart

MINIMUM PULLEY DIAMETER	1/32" 3/64" 1/16" 5/64" 3/32" 1/8" 5/32" 3/16" 7/32" 1/4" 17/64" 5/16" 23/64" 3/8" 27/64"	7/32mm 1.2mm 1.6mm 2.0mm 2.5mm 3.2mm 4.0mm 5.0mm 6.3mm 8.0mm 10.0mm 12.5mm 16.0mm 20.0mm 25.0mm	BELT THICKNESS RANGE														
1" 25 mm	25																
2" 50mm	25L	25LP															
		30															
		30P															
			OT														
			1AD														
		1D	1														
3" 76mm				2SP													
				2													
		30L															
		30LP															
			1L	1L2P													
			1LP														
4" 101mm				3SP													
				1T				3"	3-4 1/2"								
								1L3P	4								
5" - 127mm									4 1/2"								
6" 152mm										5							
											6						
												6APP					
	1/32" 3/64" 1/16" 5/64" 3/32" 1/8" 5/32" 3/16" 7/32" 1/4" 17/64" 5/16" 23/64" 3/8" 27/64"																

CALL FOR COMPLETE CATALOG

Fastener Types and Sizes

Gator Tie-Bar™ Belt Hooks Series 8300

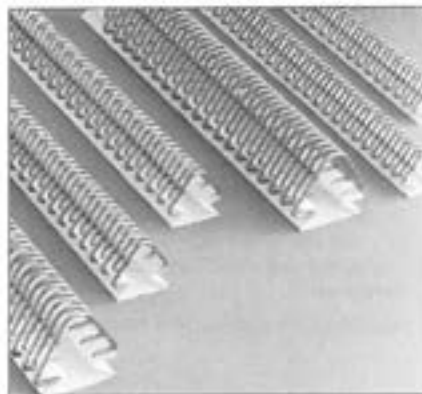


In this configuration, each Gator hook is securely welded to a cross-wire to form a strong, stable unit, eliminating the need for paper handling.

Individual hooks are far less likely to break away from the splice, and finished splices are extremely strong and exceptionally smooth for easy hinge pin insertion.

Tie-Bar hook strips are available in standard 12" (300mm) and 24" (600mm) lengths. Custom lengths for belt widths other than 12" or 24" are also available.

Gator Carded Belt Hooks Series 8205

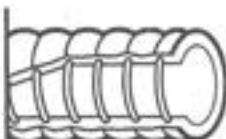


Gator carded hooks are far less likely than other brands to become detached from the card during normal handling before installation. Each hook is securely held in place at six contact points, rather than the three points commonly found in other brands. In addition, this unique carding system allows hook installation without having to remove the carding first. This keeps the hooks in proper alignment during installation and produces a smoother, long lasting splice.



INDUSTRIAL HOSE PRODUCTS

Definitions of Hose Ends

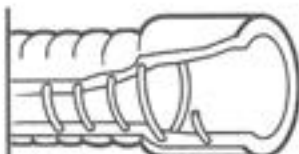


Plain End

All hose construction elements (including wire, if wire is used as a reinforcing member) are exposed. The hose always has the same inside diameter throughout. In the case of certain handbuilt specifications having wire reinforcement, the wire and fabric reinforcement are not exposed.

All vertical braided hose is available only with plain ends.

Horizontal braided and wrapped ply machine built hose is furnished with plain ends unless otherwise specified in the pricebook.

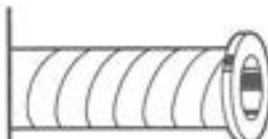


Enlarged End

The hose end is enlarged to accommodate the outside diameter of the shank of a fitting plus the depth of the shank.

The inside diameter of a "standard" enlarged end is the same dimension as the outside diameter of the same nominal pipe size. (Example—6" ID hose enlarged to 6 3/8" at the end, handles a 6" size pipe which has a 6 5/8" OD.)

Normally used in hand built hose constructions.

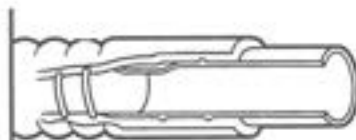


Rubber Flanged End

Shaped similar to a metal pipe flange. It is molded as an integral part of the hose with the tube, fabric reinforcement (not wire) and cover extending to the outside diameter of the rubber flange.

The rubber flange has holes to match customer requirements. In addition, solid metal "backup" rings (drilled to match the rubber flange holes) are always placed behind the rubber flange to provide a metal bearing surface for bolt heads and nuts.

Available only in hand built hose constructions.

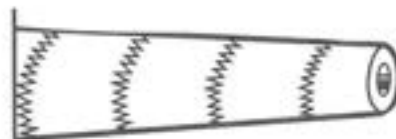


Built-in Nipple End

The hose end is integrally built around and bonded to the nipple body. The hose reinforcing materials are also anchored to the nipple.

The nipples used are generally fabricated from pipe, however, certain nipples are cast. Cast nipples always have a full bore on all sizes. Nipples made from standard pipe will be full bore only when pipe 12" and under is used since nominal pipe sizes over 12" are described by pipe OD and not ID.

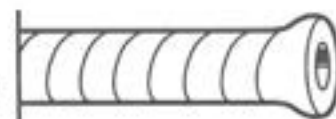
Available only in hand built hose constructions.



Integral Rubber Tapered Nozzle End

The inside diameter and the outside diameter of the hose end are gradually tapered down to form a nozzle. The hose reinforcement is also extended to the end of the nozzle. A rubber end cap is then added to protect the reinforcement and properly shape the nozzle.

This type of nozzle is available only in non-wire inserted horizontal braided and wrapped ply machine built hose.



Rubber Beaded End

A flared bell shape, molded as an integral part of the hose. The reinforcing fabric of the hose body is extended beyond the straight portion of the hose and anchored around a circular steel reinforcing ring. The hose tube is then extended beyond the hose end and becomes the face of the beaded end, meeting the rubber cover at the edge of the outside diameter of the rubber bead.

A re-attachable split malleable iron flange is placed behind the rubber bead to act as a metal bearing surface for bolt heads and nuts. Bolts used to connect mating flanges pass over the outside diameter of the beaded end.

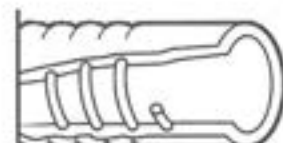
Normally used in hand built hose constructions.



Capped End

A solid rubber ring vulcanized to the end of the hose to protect exposed carcass reinforcement.

Capped ends can be placed on Plain End hand built hose and machine built wrapped ply.



Soft End

The helical wire reinforcement is terminated several inches back from the end of the hose.

When a hose has either a corrugated cover or tube or both, a soft end is generally used and always has a smooth inside diameter and outside diameter.

Normally used in hand built hose constructions.

INDUSTRIAL HOSE PRODUCTS

Elastomers Used In The Manufacture Of "Rubber Type" Products (Continued)

Goodyear Tradename	Industry Designation	Outstanding Feature	Sample Hose
Pilosyn®	Ultra High Molecular Weight Polyethylene	Excellent chemical resistance. Good Flexibility properties.	Tube compound in Fabchem chemical hose.
Pliovic®	Polyvinyl Chloride	Lightweight, flexible and economical.	Pliovic 250, Spiraflex 1600.
Pureten®	Natural Rubber	Excellent abrasion resistance, resilient, tensile strength, retains flexibility below 0°F (Poor ozone).	Tube computer in material handling hose: Blucor, Harvest, Tan Flexwing.
Speciar®	Cross-Link Polyethylene	Excellent chemical resistance.	Tube compound in Blue Flexwing chemical hose.
Spirathane®	Urethane	Excellent abrasion resistance and good chemical resistance.	Spirathane LD and inner liner of Spirathane HD.
Teflon	Fluorinated Propylene OR Teflon	Excellent chemical and petroleum resistance.	Tube compound in Hi-Per Teflon Hose.
TPE	Thermoplastic Elastomer	Heat and/or cold resistant, flexible and resistant to solvents.	Artrac, Premier
Versigard®	EPDM Viton	Heat and/or cold resistant, weather and ozone resistant Mild Chemical resistance.	Tube and cover compound in multipurpose hose: Horizon, cover compound on chemical hose: Fabchem.
Weatherex®	Butyl	Low permeability to air and gas; outstanding dampening and shock effect.	Tube compound in chemical transfer hose: Yellow Flexwing.
Wingprene®	Neoprene(DuPont)	All purpose elastomer; Good Oil, heat and chemical resistance; very good ozone resistance.	Cover compound in petroleum transfer hose: Super Black Flexwing, Red Flextra.

INDUSTRIAL HOSE PRODUCTS

Elastomers Used In The Manufacture Of "Rubber Type" Products

Goodyear Tradename	Industry Designation	Outstanding Feature	Sample Hose
Alphasyn®	Modified UHMwPE	Excellent high temperature chemical resistance.	Tube computer in Viper chemical transfer hose.
Carbryn®	Carboxylated Nitrile	Excellent oil and abrasion resistance, good chemical resistance.	Cover compound on multipurpose hose: Gorilla, Ortac and pressure washer hose: Galvanator and Gauntlet.
Chemigum®	Nitrile OR Buna-N	Oil, solvent and aromatics resistance.	Tube and cover compound in premium air and multipurpose hose, petroleum transfer hose: Gorilla, Ortac, Flexwing Petroleum.
Chemivic®	Buna-N-Vinyl	Oil and abrasion resistant compound. Excellent ozone resistance.	Cover compound air/mp hose. Tube compound in food hose: White Flexwing.
Chemrin®	Chlorinated Polyethylene (CPE)	Excellent chemical resistance.	Tube compound chemical hose: Brown Flexwing.
Chlorobutyl	Chlorobutyl	FDA compliant material in foodhose. Excellent heat resistance.	Tube compound in food hose and Chlorobutyl 250 Steam Hose.
Flosyn®	Viton	Excellent oil and chemical resistance.	Tube compound in Orange Flexwing chemical hose.
Hysunite®	Hypalon	Chemical and oil resistant.	Tube compound in chemical transfer hose: Yellow Flexwing.
Nylon	Nylon	Resistant to many paint sprays, laquers, thinners, and mild chemicals.	Tube compound in NR Paint Spray.
Omegasyn™	EPDM (abrasion resistant)	Excellent abrasion resistance. Mild chemical resistance.	Cover compound: Viper.
Plioflex®	SBR	Good abrasion resistance.	Tube and cover compound in water suction and discharge hose: Plicord Water S&D.



INDUSTRIAL HOSE PRODUCTS

How To Select The Right Hose

In order to obtain the best service from any particular hose application, two important conditions must be fulfilled:

1. To select the right hose for the job.
2. To make sure, that after having obtained the right hose, it is fitted correctly and used in a proper manner.

When considering a particular hose application, the following basic factors should be considered:

1. Inside diameter
2. Outside diameter
3. Materials being conveyed (e.g., air, water, acids, oils, steam, etc.).
4. Precise composition of substance (important in the case of oils, solvents, spraying media, foods, beverages, petroleum products, gases, etc.).
5. Concentration (in the case of chemicals).
6. Maximum temperature of substance.
7. Maximum pressure (including any possible surge or back pressure).
8. Degree of vacuum (in the case of suction hose).
9. External conditions. The scope of this factor is possibly the widest of all and covers such things as:
Abrasion.
Climatic conditions.
Direct heat.
Radiated heat.
Contamination from oil, grease, solvents, acids, etc.
End loads.
Flexings — degree and cycle.
Crushing conditions.
Kinking conditions.
Degree of bending.

10. Details of couplings (particularly in specialized applications).

Steam Hose

Air, steam and water hose are the three types of hose most used in industrial plants. The following instructions apply in general to these types of hose. Since steam service is usually the most severe in the average plant, particular attention is directed to steam hose. In selecting a hose for a steam installation it is important that the type recommended is sufficient to handle the maximum working pressure. Your Goodyear representative will assist in making recommendations.

At elevated temperatures, steam severely affects rubber hose of all types, so it is important that temperature be considered in the choice of a steam hose. High steam temperature and pressure can cause deterioration in certain reinforcing members used in hose and a relatively small increase in temperature can greatly affect hose performance.

The steam pressure is important in that it determines the minimum temperature condition under which the hose will be used. If the steam is saturated, its temperature is directly related to its pressure. The temperature may be determined from the Saturated Steam Table.

However, if steam is superheated, the degree of superheating must be known to determine the actual temperature which the hose must withstand.

The flex factor takes into consideration the magnitude of the flexing and its time cycle. A flexing that is rapid and continuous even though of small, magnitude, would be considered as severe as flexing that is large in

magnitude but with an extremely long time cycle. The degree of flexing is an important factor in the ultimate life of the hose.

Refer to R.M.A. Technical Information Bulletin #1P-11-1 "Steam Hose Manual for Maintenance, Testing & Inspection of Hose."

Air Hose

Goodyear offers many fine types of air hose, equipped with tough, abrasion resisting covers and with tube stocks which will successfully resist oil mist, if present. Where tools are lubricated through hose, only the very best quality air hose with highest grade oil resisting tube should be used. The recommended working pressure should be sufficient to withstand the maximum pressures encountered.

Water Hose

In the selection of the correct water hose for any service, the same principles apply as for air and steam hose.

Suction Hose

Most Goodyear vacuum or suction hose are designed to withstand full vacuum. However, in some of the lighter styles, less than full vacuum is recommended.

Use the information in this catalog to help determine the best hose for your application. To assist your efforts to collect the data necessary to make a proper hose recommendation, use the form on the opposite page.



INDUSTRIAL HOSE PRODUCTS

How To Select The Right Hose (Continued)

INDUSTRIAL HOSE INQUIRY / RECOMMENDATION

Bolded block areas MUST be filled out on all inquiries.

SIZE:		PRESSURE(S):	
I.D.		Working Pressure (including surges)	
O.D.		Burst Pressure	
Hose length (OAL or uncoiled length)		Suction or Vacuum requirements	
Tolerances		Velocity	
		Impulse	
TEMPERATURE:		ENDS & FITTINGS:	
of Material being conveyed (High, Low, Ambient)		Factory applied fittings: type of threads	
of Outside exposure (High, Low, Ambient)		Male / Female	
Intermittent?		Reusable / Non-reusable	
Constant?		Material for fittings	
Sub-zero exposure?		Beaded	
		Flanged	
		Rubber-lined	
		Other	
		Cut to Length	
		Crimp Specs / Crimper (Hydraulics)	
		DELIVERY:	
		Leadtime	
		Quantity	
		Stock / Non-Stock	
		Special Print	
		Special Packaging	
		OTHER INFORMATION:	
		Customer:	
		Date:	
		Customer #:	
		Ship To:	
		Bill To:	
		Telephone #:	
		Fax #:	

Bolded block areas MUST be filled out on all inquiries.



INDUSTRIAL HOSE PRODUCTS

Care And Maintenance Of Hose

CARE, MAINTENANCE AND STORAGE

(Reprinted from RMA Hose Handbook IP-2 Sixth Edition 1996)

Hose has a limited life and the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials. The periodic inspection and testing procedures described here provide a schedule of specific measures which constitute a minimum level of user action to detect signs indicating hose deterioration or loss of performance before conditions leading to malfunction or failure are reached.

SAFETY WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance and storage of a particular hose might result in its failure to perform in the manner intended and might result in possible damage to property and serious bodily injury.

General instructions are also described for the proper storage of hose to minimize deterioration from exposure to elements or environments which are known to be deleterious to rubber products. Proper storage conditions can enhance and extend substantially the ultimate life of hose products.

General Care and Maintenance of Hose

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hose should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe end loads for which the hose or hose assembly were not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as to not subject the hose to excessive surge pressures. Hose should not be kinked or be run over by equipment. In handling large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

General Test and Inspection Procedures for Hose

An inspection and hydrostatic test should be made at periodic intervals to determine if a hose is suitable for continued service. A visual inspection of the hose should be made for loose covers, kinks, bulges, or soft spots which might indicate broken or displaced reinforcement. The couplings or fittings should be closely examined and, if there is any sign of movement of the hose from the couplings, the hose should be removed from service.

The periodic inspection should include a hydrostatic test for one minute at 150% of the recommended working pressure of the hose. An exception to this would be the woven jacketed fire

hose.* During the hydrostatic test, the hose should be straight, not coiled or in a kinked position. Water is the usual test medium and, following the test, the hose may be flushed with alcohol to remove traces of moisture. A regular schedule for testing should be followed and inspection records maintained.

SAFETY WARNING: Before conducting any pressure tests on hose, provisions must be made to ensure the safety of the personnel performing the tests and to prevent any possible damage to property. Only trained personnel using proper tools and procedures should conduct any pressure tests.

1. Air or any other compressible gas must never be used as the test media because of the explosive action of the hose should a failure occur. Such a failure might result in possible damage to property and serious bodily injury.
2. Air should be removed from the hose by bleeding it through an outlet valve while the hose is being filled with the test medium.
3. Hose to be pressure tested must be restrained by placing steel rods or straps close to each end and at approximate 10 foot (3m) intervals along its length to keep the hose from "whipping" if failure occurs; the steel rods or straps are to be anchored firmly to the test structure but in such a manner that they do not contact the hose which must be free to move.

*Woven jacket fire hose should be tested in accordance with the service test provisions contained in the current edition of National Fire Protection Association Bulletin No. 1962 - Standard for the Care, Use and Service Testing of Fire Hose.



INDUSTRIAL HOSE PRODUCTS

Care And Maintenance Of Hose (Continued)

4. *The outlet end of hose is to be bulwarked so that a blown-out fitting will be stopped.*
5. *Provisions must be made to protect testing personnel from the forces of the pressure media if a failure occurs.*
6. *Testing personnel must never stand in front of or in back of the ends of a hose being pressure tested.*
7. *When liquids such as gasoline, oil, solvent, or other hazardous fluids are used as the test fluid, precautions must be taken to protect against fire or other damage should a hose fail and the test liquid be sprayed over the surrounding area.*

The Rubber Manufacturers Association has published separately a series of Hose Technical Information bulletins describing Maintenance, Testing and Inspection recommendations. Reference should be made to the current RMA Catalog of Publications, to determine the availability of the latest edition. Bulletins published as of January 1996 include the following:

Publication No.

- IP 11-1-Steam Hose
- IP 11-2-Anhydrous Ammonia Hose
- IP 11-4-Oil Suction and Discharge Hose
- IP 11-5-Welding Hose
- IP 11-7-Chemical Hose
- IP 11-8-Fuel Dispensing Hose

Storage

Rubber hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials.

The appropriate method for storing hose depends to a great extent on its size (diameter and length), the quantity to be stored, and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom. Since hose products vary considerably in size, weight, and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as could a hose having a heavier wall or hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Whenever feasible, rubber hose products should be stored in their original shipping containers, especially when such containers are wooden crates or cardboard cartons which provide some protection against the deteriorating effects of oils, solvents, and corrosive liquids; shipping containers also afford some protection against ozone and sunlight.

Certain rodents and insects will damage rubber hose products, and adequate protection from them should be provided.

Cotton jacketed hose should be protected against fungal growths if the hose is to be stored for prolonged periods in humidity conditions in excess of 70%.

The ideal temperature for the storage of rubber products ranges from 50°F to 70°F (10°C to 21°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber products become stiff and would require warming before being placed in service. Rubber products should not be stored near sources of heat, such as radiators, base heaters, etc., nor should they be stored under conditions of high or low humidity.

To avoid the adverse effects of high ozone concentration, rubber hose products should not be stored near electrical equipment that may generate ozone or be stored for any lengthy period in geographical areas of known high ozone concentration. Exposure to direct or reflected sunlight, even through windows, should also be avoided. Uncovered hose should not be stored under fluorescent or mercury lamps which generate light waves harmful to rubber.

Storage areas should be relatively cool and dark, and free of dampness and mildew. Items should be stored on a first-in, first-out basis, since even under the best of conditions, an unusually long shelf life could deteriorate certain rubber products.

DESIDERATA



Go placidly amid the noise and haste, and remember what peace there may be in silence. As far as possible without surrender be on good terms with all persons. Speak your truth quietly and clearly; and listen to others, even the dull and ignorant; they too have their story. ❧ Avoid loud and aggressive persons, they are vexations to the spirit. If you compare yourself with others, you may become vain and bitter; for always there will be greater and lesser persons than yourself. Enjoy your achievements as well as your plans. ❧ Keep interested in your own career, however humble; it is a real possession in the changing fortunes of time. Exercise caution in your business affairs; for the world is full of trickery. But let this not blind you to what virtue there is; many persons strive for high ideals; and everywhere life is full of heroism. ❧ Be yourself. Especially, do not feign affection. Neither be cynical about love; for in the face of all aridity and disenchantment it is perennial as the grass. ❧ Take kindly the counsel of the years. Gracefully surrendering the things of youth. Nurture strength of spirit to shield you in sudden misfortune. But do not distress yourself with imaginings. Many fears are born of fatigue and loneliness. Beyond a wholesome discipline, be gentle with yourself. ❧ You are a child of the universe, no less than the trees and the stars; you have a right to be here. And whether or not it is clear to you, no doubt the universe is unfolding as it should. ❧ Therefore be at peace with God, whatever you conceive Him to be, and whatever your labors and aspirations, in the noisy confusion of life keep peace with your soul. ❧ With all its sham, drudgery and broken dreams, it is still a beautiful world. Be careful. Strive to be happy. ❧



RS

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God Bless America

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