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HOSE

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Flexible hose lines offer many advantages over rigid tubing including routing ease, vibration absorption, sound deadening and the ability to accommodate movement of connected components. However, hose lines require caution in use not only to provide long service but also to guard against potentially dangerous failure.

Important

The user should carefully observe the precautions listed in this catalog, including the recommendations on the selection of hose and fittings (pages 395-396) and the pages on fluid compatibility (pages 400-404). In addition, care should be taken not to exceed the minimum bend radius listed for each hose size and type in the hose section. Maximum operating pressure should not exceed pressures listed in the hose data. Instructions for assembling fittings to different hoses should be followed carefully to ensure the performance of the completed assembly.

WARNING: Aeroquip fitting tolerances are engineered to match Aeroquip hose tolerances. The use of Aeroquip fittings on hose supplied by other manufacturers and/or the use of Aeroquip hose with fittings supplied by other manufacturers may result in the production of unreliable and unsafe hose assemblies and is neither recommended nor authorized by Aeroquip.

WARNING: Application considerations must be observed in selecting appropriate components for the application of these products contained herein. The failure to follow the recommendations set forth in this catalog may result in an unstable application which may result in serious personal injury or property damage.

* Specifications and dimensions on this catalogue are subject to change without notice.

AEROQUIP SHALL NOT BE SUBJECT TO AND DISCLAIMS ANY OBLIGATIONS OR LIABILITIES (INCLUDING BUT NOT LIMITED TO ALL CONSEQUENTIAL, INCIDENTAL AND CONTINGENT DAMAGES) ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY OR ARISING FROM TORT CLAIMS (INCLUDING WITHOUT LIMITATION NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW WITH RESPECT TO ANY HOSE ASSEMBLIES NOT PRODUCED FROM GENUINE AEROQUIP HOSE FITTINGS, HOSE AND AEROQUIP APPROVED EQUIPMENT, AND IN CONFORMANCE WITH AEROQUIP PROCESS AND PRODUCT INSTRUCTIONS FOR EACH SPECIFIC HOSE ASSEMBLY.

Failure to follow Aeroquip process and product instructions and limitations could lead to premature hose assembly failures resulting in property damage, serious injury or death.

Routing

If the user will follow the recommendations on hose line routing and installation on page 409, improved safety and longer service life of any hose installation will result.

SAFETY PRECAUTIONS:

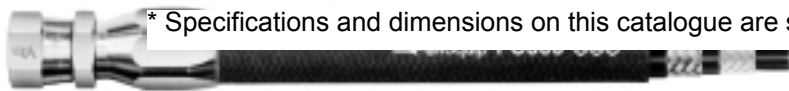
Read the instruction manual carefully and thoroughly before using the product, and then use it correctly.



The Aeroquip problem-solving family of AQP® hose featuring the patented* AQP elastomer with temperatures up to +300°F

*Patent Number 4,366,746

* Specifications and dimensions on this catalogue are subject to change without notice.



FC300 AQP HOSE

The superior high temperature, abrasion resistant hose. Features extensive fluid compatibility. See page 43.



FC194 AQP/Hi-IMPULSE HOSE

Exceeds SAE100R1A

Combines superior high temperature resistance and extensive fluid compatibility plus operating pressures up to 40% greater than SAE100R1 hose. Aeroquip **Hi-IMPULSE** hose construction is a patented process. Patent number 3,725,167. See page 22.



FC195 AQP/Hi-IMPULSE HOSE

Exceeds SAE100R2A

Combines superior high temperature resistance and extensive fluid compatibility plus operating pressures up to 40% greater than SAE100R2 hose. Aeroquip **Hi-IMPULSE** hose construction is a patented process. See page 27.



FC510 AQP/Hi-Pac HOSE

Exceeds SAE100R2

Performance Requirements

Combines the flexibility and economy of Hi-Pac hose with the temperature and fluid compatibility of AQP hose. Aeroquip Hi-Pac hose construction is patented. Patent number 3,463,197. See page 26.



FC323 AQP HOSE

Uniform Pressure

Spiral Wire Hose

3000 psi

The features of AQP construction and spiral wire reinforcement are combined in this quality hose style. See page 35.



FC324 AQP HOSE

Uniform Pressure

Spiral Wire Hose

4000 psi

Features the patented AQP tube compound and 4-spiral wire reinforcement. Uses the same fittings as FC323. See page 36.



FC325 AQP HOSE

Uniform Pressure

Spiral Wire Hose

5000 psi

Features the patented AQP tube compound and 4-spiral wire reinforcement. Pressures to 5000 psi. See page 36.



The scientifically superior hose



FC350 AQP HOSE

Exceeds FMVSS-106 Type All
The revolutionary truck hose with superior abrasion resistance. Features an AQP tube for excellent fluid compatibility and temperature requirements. See page 46.



FC355 AQP HOSE

Exceeds FMVSS-106 Type All
Ideal for truck maintenance and piping conditions where fluid compatibility and chemical resistance are required. Has a blue AQP elastomer cover for fluid resistance. See page 45.



FC234 AQP HOSE

Fire resistant fuel hose meets USCG A1 requirements. Offers positive fire resistance in critical applications without using a firesleeve. See page 45.



FC332 AQP SOCKETLESS HOSE

Offers extended fluid compatibility and operating temperature range for low pressure applications. Used with Aeroquip SOCKETLESS fittings for quick and easy assembly. See page 40.



FC498 AQP HOSE

Exceeds SAE100R6
For low pressure applications. See page 21.



2661 AQP HOSE

Exceeds SAE100R4
The dual-purpose hose with extensive fluid compatibility is ideal for either suction or chemical transfer applications. See page 19.



GH194 MatchMate BLUE AQP/HI-IMPULSE HOSE

Exceeds SAE 100R1AT
A thin cover, 1-wire version of AQP/HI-IMPULSE Hose that allows the use of Aeroquip's MatchMate Plus Thru-The-Cover (TTC) fittings. Pressures to 3250 psi. See page 23.



GH195 MatchMate BLUE AQP/HI-IMPULSE HOSE

Exceeds SAE 100R2AT
A thin cover, 2-wire version of AQP/HI-IMPULSE Hose that allows the use of Aeroquip's MatchMate Plus Thru-The-Cover (TTC) fittings. Pressures to 5750 psi. See page 27.



FC650 AQP HOSE

High Temperature Fuel and Oil
The revolutionary truck hose with superior abrasion resistance. Features an AQP tube for excellent fluid compatibility and temperature requirements. Pressure to 1000 psi. See page 46.



How to Order

Accurate processing and prompt delivery of your order depend on easy identification of your requirements. Please order Aeroquip parts using correct part numbers as described in this catalog. Inquiries and orders should be directed to your Aeroquip Distributor or:

Eaton Aeroquip
Industrial Division
3000 Strayer Road, P.O. Box 631
Maumee, Ohio 43537-0631
419/867-2600; Fax: 419/867-2629
www.aeroquip.com

Part numbers and dash sizes

Dash size designates the nominal size in 16ths of an inch. This number immediately follows the part number and is separated from it with a dash.

Dimensions

Dimensions given in this catalog for Aeroquip products are approximate and should be used for reference only. Exact dimensional information for a given product is subject to change and varying tolerances; contact Aeroquip directly for full current information.

Hose assemblies

Aeroquip manufactures the terminal ends of our hose fittings to the appropriate requirements established by the SAE. Therefore, the performance ratings of these hose fittings meet the SAE requirements. It is possible to order a hose assembly with a fitting terminal end that has a performance rating lower than the hose rating. When ordering hose assemblies, please keep the connecting end performance rating in mind since this may affect overall hose assembly performance.

Hose assembly components (hose and fittings) are easily assembled in the field. However, factory assembled reusable and crimped hose assemblies are available. For complete information, contact Aeroquip.

Cut length hose

Cut lengths of hose should be ordered as shown below by specifying lengths in inches.

For numeric part numbers: 2651- 10- 00484

Hose type _____
Hose size (in 16ths of an inch) _____
Cut length (in inches) _____
last digit is in $\frac{1}{16}$ ths of an inch 00484 = $48\frac{1}{2}$ inches

For alpha-numeric part numbers: FC300- 08- 00484

Hose type _____
Hose dash size _____
Cut length (in inches) _____
last digit is in $\frac{1}{16}$ ths of an inch 00484 = $48\frac{1}{2}$ inches

Bulk hose

Bulk hose should be ordered by specifying length in feet as shown below.

Complete number 500 ft.- 2651- 10

Quantity (in feet) _____
Hose type _____
Hose size (in 16ths of an inch) _____

Note: Length tolerance for hose, assemblies and sleeves is:
Up to and including 12 inches: $\pm\frac{1}{8}$ "
Above 12 inches to and including 18 inches: $\pm\frac{3}{16}$ "
Above 18 inches to and including 36 inches: $\pm\frac{1}{4}$ "
Above 36 inches: $\pm 1\%$ of length

2661

Wire inserted suction
Exceeds SAE 100R4



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								CRIMP FITTINGS	
								-40 Crimp	143
								Global	
2661-12	.75	1.25	300†	1200	5.00	28	.42	Skive Nipples	74
2661-16	1.00	1.50	250†	1000	6.00	28	.50	OTC	74
2661-20	1.25	1.80	200†	800	8.00	28	.90	TTC	74
2661-24	1.50	2.06	150†	600	10.00	28	1.13	TTC12 (-12 only)	74
2661-32	2.00	2.55	100†	400	12.00	28	1.30	Sockets	72
2661-40	2.50	3.08	62	250	14.00	28	1.72	Clamps	173
2661-48‡	3.00	3.58	56	225	18.00	28	1.96	Accessories and Assembly	
2661-64‡	4.00	4.69	50	200	24.00	28	3.08	Instructions see page 346.	

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

†Maximum working pressure for band clamp type fittings is 50 psi. ‡Sold as bulk hose only.

FC619

Flexible, wire inserted suction
Exceeds SAE100R4



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								CRIMP FITTINGS	
								Global	
FC619-12	.75	1.21	300†	1200	2.50	25	.46	Skive Nipples	74
FC619-16	1.00	1.48	250†	1000	3.00	25	.56	OTC	74
FC619-20	1.25	1.75	200†	800	4.00	25	.78	TTC	74
FC619-24	1.50	2.04	150†	600	5.00	25	1.00	Sockets	72
FC619-32	2.00	2.55	100†	400	6.00	25	1.23	Clamps	173

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +275°F (-40°C to +135°C).

For complete Agency Listings: See pages 397-398.

†Maximum working pressure for band clamp type fittings is 50 psi.

Accessories and Assembly
Instructions see page 346.

FC318

Wire inserted suction

SAE 100R4



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC318-12	.75	1.25	300†	1200	5.00	28	.42	CRIMP FITTINGS	
FC318-16	1.00	1.50	250†	1000	6.00	28	.50	-40 Crimp	143
FC318-20	1.25	1.80	200†	800	8.00	28	.90	Global	
FC318-24	1.50	2.08	150†	600	10.00	28	1.13	Skive Nipples	74
FC318-32	2.00	2.57	100†	400	12.00	28	1.30	OTC	74
FC318-40	2.50	3.07	62	250	14.00	28	1.72	TTC	74
FC318-48‡	3.00	3.64	56	225	18.00	28	1.96	TTC12 (-12 only)	74
FC318-64‡	4.00	4.69	50	200	24.00	28	3.08	Sockets	72
								Clamps	173
								Accessories and Assembly Instructions see page 346.	

Construction: Synthetic rubber tube, reinforcement consisting of a helical wire between two textile braids and synthetic rubber cover.

Application: Suction and transfer applications for petroleum hydraulic fluids, fuel, lubricating oils, gasoline and water. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

†Maximum working pressure for band clamp type fittings is 50 psi. ‡Sold as bulk hose only.

FC466

Textile braid

Exceeds SAE 100R6 performance*



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC466-04	.25	.48	400	1600	2.50	28	.06	CRIMP FITTINGS	
FC466-06	.38	.62	400	1600	3.00	28	.10	Global	
FC466-08	.50	.75	400	1600	4.00	28	.13	**Skive Nipples	74
FC466-10	.63	.91	350	1400	5.00	18	.18	OTC	74
FC466-12	.75	1.03	350	1400	7.00	18	.19	Sockets	72
								Accessories and Assembly Instructions see page 346.	

Construction: Synthetic rubber tube, textile braid reinforcement and polyester braid cover.

Application: For gasoline, fuel, lubricating oils, air and water. Not approved for air brake applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C), Air not to exceed +160°F (+71°C).

For complete Agency Listings: See pages 397-398.

*All sizes except -12

**No skiving required.

FC498**Textile braid****Exceeds SAE 100R6**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
FC498-04	.25	.50	400	1600	2.50	28	.08	<i>Global</i>	
FC498-06	.38	.62	400	1600	3.00	28	.13	**Skive Nipples	74
FC498-08	.50	.78	400	1600	4.00	28	.15	OTC	74
FC498-10	.63	.91	350	1400	5.00	18	.20	Sockets	72
FC498-12	.75	1.03	350	1400	7.00	18	.28	<i>Accessories and Assembly Instructions see page 346.</i>	

Construction: AQP elastomer tube, textile braid reinforcement, AQP elastomer cover.

Application: Low pressure return lines in hydraulic systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

**No skiving required.

2580**Double textile braid**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								REUSABLE FITTINGS	145
2580-4	.19	.52	1000	4000	3.00		.12	<i>Sockets</i>	73
2580-5	.25	.58	800	3200	3.38		.15	<i>Accessories and Assembly Instructions see page 346.</i>	
2580-6	.31	.68	650	2600	4.00		.17		
2580-8	.41	.77	625	2500	4.62		.19		
2580-10	.50	.92	600	2400	5.50		.28		
2580-12	.63	1.08	550	2200	6.50		.34		
2580-16	.88	1.24	500	2000	7.38		.36		
2580-20	1.12	1.50	450	1800	9.00		.43		
2580-24	1.38	1.75	400	1600	10.50		.51		
2580-32	1.81	2.22	350	1400	13.25		.75		

Construction: Synthetic rubber tube, double textile braid reinforcement and synthetic rubber cover. For larger dash sizes, see Catalog JD1.

Application: For water, gasoline, and fuel oil. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

2583

Double textile braid

SAE 100R3



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
2583-4	.25	.57	1250	5000	3.00		.12	CRIMP FITTINGS	
2583-6	.38	.75	1125	4500	4.00		.22	Global	
2583-8	.50	.94	1000	4000	5.00		.26	OTC	74
2583-12	.75	1.25	750	3000	6.00		.48	Accessories and Assembly	
2583-16	1.00	1.50	565	2250	8.00		.51	Instructions see page 346.	
2583-20	1.25	1.75	375	1500	10.00		.73		

Construction: Synthetic rubber tube, double textile braid reinforcement and synthetic rubber cover.

Application: For hydraulics, fuel, lubricating oils, gasoline, air and water. Not approved for air brake applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C). Air not to exceed +160°F (+71°C).

For complete Agency Listings: See pages 397-398.

FC194

AQP®/HI-IMPULSE®, single wire braid

Exceeds SAE 100R1A, meets or exceeds DIN 20 022 Type 1ST



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC194-04	.25	.63	3250	13000	4.00		.19	CRIMP FITTINGS	
FC194-06	.38	.78	3000	12000	5.00		.30	Global	
FC194-08	.50	.90	2500	10000	7.00		.39	Skive Nipples	74
FC194-10	.63	1.03	2000	8000	8.00		.46	Sockets	72
FC194-12	.75	1.19	1800	7200	9.50		.53	Accessories and Assembly	
FC194-16	1.00	1.50	1300	5200	12.00		.80	Instructions see page 346.	
FC194-20	1.25	1.81	900	3600	16.50		.98		

Construction: AQP elastomer tube, single wire braid reinforcement and blue AQP elastomer cover.

Application: Hydraulic fluids, petroleum and fire resistant types, fuel, lubricating oils, gasoline, water, and other industrial fluids. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

GH194 MATCHMATE[®] BLUE**AQP[®]/HI-IMPULSE[®]**, single wire braid

Exceeds SAE 100R1AT, meets or exceeds DIN 20 022 Type 1SN



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								<i>Global</i>	
GH194-4	.25	.53	3250	13000	4.00		.17	Skive Nipples	74
GH194-6	.38	.69	3000	12000	5.00		.25	TTC	74
GH194-8	.50	.81	2500	10000	7.00		.30	Sockets	72
GH194-10	.63	.94	2000	8000	8.00		.36	<i>Accessories and Assembly Instructions see page 346.</i>	
GH194-12	.75	1.09	1800	7200	9.50		.46		
GH194-16	1.00	1.41	1300	5200	12.00		.66		
GH194-20	1.25	1.73	900	3600	16.50		.85		

Construction: AQP elastomer tube, single wire braid reinforcement and blue AQP elastomer cover.**Application:** Hydraulic fluids, petroleum and fire resistant types, fuel and lubricating oils, gasoline, water and other industrial fluids. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**Operating Temperature Range:** -40°F to +300°F (-40°C to +150°C).**For complete Agency Listings:** See pages 397-398.**2681****HI-IMPULSE[®]** single wire braid

Exceeds SAE 100R1A, meets or exceeds DIN 20 022 Type 1ST



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								<i>Global</i>	
2681-3	.19	.50	4000	16000	3.50		.13	Skive Nipples	74
2681-4	.25	.62	3250	13000	4.00		.19	Sockets	72
2681-5	.31	.69	3250	13000	4.50		.27	<i>Accessories and Assembly Instructions see page 346.</i>	
2681-6	.38	.78	3000	12000	5.00		.30		
2681-8	.50	.91	2500	10000	7.00		.39		
2681-10	.63	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		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**Operating Temperature Range:** -40°F to +212°F (-40°C to +100°C).**For complete Agency Listings:** See pages 397-398.

GH663 MATCHMATE^{Plus} HI-IMPULSE[®]

Single wire braid meets DIN 20 022 Type 1SN

Exceeds SAE 100R1AT performance



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
GH663-4	.25	.53	3250 *2750	13000 **11000	4.00		.16	Global	
GH663-6	.38	.69	3000 *2250	12000 **9000	5.00		.25	Skive Nipples	74
GH663-8	.50	.81	2500 *2000	10000 **8000	7.00		.30	TTC	74
GH663-12	.75	1.09	1800 *1250	7200 **5000	9.50		.45	Sockets	72
GH663-16	1.00	1.41	1300 *1000	5200 **4000	12.00		.68	REUSABLE FITTINGS	153
GH663-20	1.25	1.71	950	3770	16.50		.88	Sockets	73
GH663-24	1.50	1.99	725	2900	20.00		1.05	Accessories and Assembly	
GH663-32	2.00	2.52	580	2320	25.00		1.31	Instructions see page 346.	

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**Operating Temperature Range:** -40°F to +212°F (-40°C to +100°C).**For complete Agency Listings:** See pages 397-398.

*Pressure rating with reusable style fittings. **Burst (min) with reusable style fittings.

FC211

Single wire braid

SAE 100R1AT



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
FC211-04	.25	.53	2750	11000	4.00		.15	Global	
FC211-06	.38	.69	2250	9000	5.00		.24	Skive Nipples	74
FC211-08	.50	.81	2000	8000	7.00		.29	TTC	74
FC211-12	.75	1.09	1250	5000	9.50		.46	Sockets	72
FC211-16	1.00	1.41	1000	4000	12.00		.80	REUSABLE FITTINGS	153
								Sockets	73

Construction: Synthetic rubber tube, single wire braid reinforcement and synthetic rubber cover. This hose has the maximum operating pressure printed in the layline of the hose complying to Virginia Law #1415.**Application:** Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**Operating Temperature Range:** -40°F to +212°F (-40°C to +100°C).**For complete Agency Listings:** See pages 397-398.**Accessories and Assembly**
Instructions see page 346.

GH681

Single wire braid

Exceeds DIN 20 022 Type 1 performance



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
GH681-4	.25	.47	3000	12000	2.00		.11		
GH681-6	.38	.63	3000	12000	2.50		.18		
GH681-8	.50	.78	3000	12000	3.50		.26		

Construction: Synthetic rubber tube, single wire braid reinforcement and synthetic rubber cover. Meets or exceeds DIN requirements at 1/2 SAE Bend Radius.

Application: Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

CRIMP FITTINGS

Global

Skive Nipples 74

TTC (-6 only) 74

Sockets 72

Accessories and Assembly Instructions see page 346.

GH683

Single wire braid

Exceeds SAE 100R1



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
GH683-4	.25	.51	3000	12000	2.00		.11		
GH683-6	.38	.67	3000	12000	2.50		.18		
GH683-8	.50	.81	3000	12000	3.50		.26		

Construction: Synthetic rubber tube, single wire braid reinforcement and polyester braid cover. 1/2 SAE Bend Radius.

Application: For hydraulic, air, gasoline, fuel and lubricating oils. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -50°F to +212°F (-46°C to +100°C).

For complete Agency Listings: See pages 397-398.

****No skiving required.**

CRIMP FITTINGS

Global

**Skive Nipples (-4 & -6 only) 74

TTC 74

Sockets 72

Accessories and Assembly Instructions see page 346.

FC510**AQP®/HI-PAC® wire braid****Exceeds SAE 100R2 performance**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC510-04	.25	.57	5000	20000	3.00		.23	CRIMP FITTINGS	
FC510-06	.38	.69	4000	16000	3.50		.29	<i>Global</i>	
FC510-08	.50	.80	3500	14000	5.00		.34	Skive Nipples	74
FC510-10	.63	.93	2750	11000	6.00		.44	TTC	74
FC510-12	.75	1.09	2250	9000	7.00		.52	Sockets	72
FC510-16	1.00	1.37	2000	8000	9.00		.71	REUSABLE FITTINGS	155
FC510-20	1.25	1.70	1625	6500	11.00		1.08	<i>Sockets</i>	73
								<i>Accessories and Assembly Instructions see page 346.</i>	

Construction: AQP elastomer tube, Hi-Pac braided wire reinforcement and blue AQP elastomer cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water-base fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

FC310**HI-PAC® wire braid****SAE 100R16 performance**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC310-04	.25	.55	5000	20000	2.00† 3.00		.21	CRIMP FITTINGS	
FC310-06	.38	.68	4000	16000	2.50† 3.50		.27	<i>Global</i>	
FC310-08	.50	.79	3500	14000	3.50† 5.00		.34	Skive Nipples	74
FC310-10	.63	.93	2750	11000	4.00† 6.00		.44	TTC	74
FC310-12	.75	1.08	2250	9000	4.75† 7.00		.50	Sockets	72
FC310-16	1.00	1.36	2000	8000	6.00† 9.00		.71	REUSABLE FITTINGS	155
FC310-20	1.25	1.69	1625	6500	8.25† 11.00		1.06	<i>Sockets</i>	73
								<i>Accessories and Assembly Instructions see page 346.</i>	

Construction: Synthetic rubber tube, Hi-Pac braided wire reinforcement, synthetic rubber cover.

Application: Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more specific information on fluid applications, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

†Improved minimum bend radius when used with global fittings.

FC195

AQP®/HI-IMPULSE® double wire braid

Exceeds SAE 100R2A, meets or exceeds DIN 20 022 Type 2ST



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
#	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC195-04	.25	.69	5750† 5000	23000† 20000	4.00		.31	CRIMP FITTINGS	
FC195-06	.38	.84	5000† 4000	20000† 16000	5.00		.42	Global	
FC195-08	.50	.97	4250† 3500	17000† 14000	7.00		.51	Skive Nipples	74
FC195-10	.63	1.09	3250† 2750	14500† 11000	8.00		.59	Sockets	72
FC195-12	.75	1.25	3125† 3000	12500† 9000	9.50		.75	REUSABLE FITTINGS	158
FC195-16	1.00	1.56	2500† 2000	10000† 8000	12.00		1.04	Sockets	73
FC195-20	1.25	2.00	2250† 1625	9000† 6500	16.50		1.68	Accessories and Assembly	
FC195-24	1.50	2.25	1800† 1750	7200† 5000	20.00		1.91	Instructions see page 346.	
FC195-32	2.00	2.75	1500† 1250	6000† 4500	25.00		2.39		

Construction: AQP elastomer tube, double wire braid reinforcement and blue AQP elastomer cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water-base fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

†Improved pressure performance when used with global fittings.

GH195 MATCHMATEBLUE

AQP®/HI-IMPULSE® double wire braid

Exceeds SAE 100R2AT, meets or exceeds DIN 20 022 Type 2SN



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
#	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
GH195-4	.25	0.60	5750	23000	4.00		0.27	CRIMP FITTINGS	
GH195-6	.38	0.75	5000	20000	5.00		0.39	Global	
GH195-8	.50	0.87	4250	17000	7.00		0.46	Skive Nipples	74
GH195-10	.63	0.99	3250	13000	8.00		0.54	TTC	74
GH195-12	.75	1.16	3000	12000	9.50		0.67	Sockets	72
GH195-16	1.00	1.49	2500	10000	12.00		0.97	Accessories and Assembly	
GH195-20	1.25	1.92	2250	9000	16.50		1.60	Instructions see page 346.	
GH195-24	1.50	2.15	1750	7000	20.00		1.74		
GH195-32	2.00	2.67	1500	6000	25.00		2.27		

Construction: AQP elastomer tube, double wire braid reinforcement and blue AQP elastomer cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water-base fluids, fuel and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

2781**HI-IMPULSE® double wire braid****Exceeds SAE 100R2A, meets or exceeds DIN 20 022 Type 2ST**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS			
#									
2781-4*	.25	.69	5750 [†] 5000	23000 [†] 20000	4.00		.33	CRIMP FITTINGS	
2781-6	.38	.84	5000 [†] 4000	20000 [†] 16000	5.00		.45	<i>Global</i>	74
2781-8	.50	.97	4250 [†] 3500	17000 [†] 14000	7.00		.56	Skive Nipples	72
2781-10	.63	1.09	3625 [†] 3250	14500 [†] 11000	8.00		.62	REUSABLE FITTINGS	158
2781-12	.75	1.25	3125 [†] 3000	12500 [†] 9000	9.50		.80	<i>Sockets</i>	73
2781-16	1.00	1.56	2500 [†] 2000	10000 [†] 8000	12.00		1.06	<i>Accessories and Assembly</i>	
2781-20	1.25	2.00	2250 [†] 1625	9000 [†] 6500	16.50		1.73	<i>Instructions see page 346.</i>	
2781-24	1.50	2.25	1800 [†] 1750	7200 [†] 5000	20.00		2.05		
2781-32	2.00	2.75	1500 [†] 1250	6000 [†] 4500	25.00		2.70		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**Operating Temperature Range:** -40°F to +212°F (-40°C to +100°C).**For complete Agency Listings:** See pages 397-398.[†]Improved pressure performance when used with global fittings.^{*}Approved for 10,000 psi maximum operating pressure for static Jack Hose applications.**GH781 MATCHMATE Plus[™] HI-IMPULSE®****Double wire braid exceeds DIN 20 022 Type 2 performance****Exceeds SAE 100R16**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS			
#									
GH781-4*	.25	.53	5800	23200	2.00		.22	CRIMP FITTINGS	
GH781-6	.38	.69	5000	20000	2.50		.29	<i>Global</i>	74
GH781-8	.50	.81	4250	17000	3.50		.39	Skive Nipples	74
GH781-10	.63	.93	3625	14500	4.00		.44	TTC	72
GH781-12	.75	1.10	3125	12500	4.75		.53	Sockets	
GH781-16	1.00	1.42	2500	10000	6.00		.72	<i>Accessories and Assembly</i>	
GH781-20	1.25	1.65	2250	9000	8.25		1.09	<i>Instructions see page 346.</i>	
GH781-24	1.50	2.03	1800	7200	10.00		1.40		
GH781-32	2.00	2.53	1300	5200	12.50		1.90		

Construction: Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover. Meets or exceeds DIN requirements at 1/2 SAE Bend Radius.**Application:** Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**Operating Temperature Range:** -40°F to +212°F (-40°C to +100°C).**For complete Agency Listings:** See pages 397-398.^{*}Approved for 10,000 psi maximum operating pressure for static Jack Hose applications.

GH793 MATCHMATE Plus HI-IMPULSE®

Double wire braid meets or exceeds DIN 20 022 Type 2SN,
Exceeds SAE 100R2AT performance



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								<i>Global</i>	
GH793-4	.25	.60	5750 *5000	23000 *20000	4.00		.26	Skive Nipples	74
GH793-6	.38	.75	5000 *4000	20000 *16000	5.00		.38	TTC	74
GH793-8	.50	.87	4250 *3500	17000 *14000	7.00		.46	Sockets	72
GH793-10	.63	.98	3625 *2750	14500 *11000	8.00		.54	REUSABLE FITTINGS	163
GH793-12	.75	1.16	3125 *2250	12500 *9000	9.50		.66	Sockets	73
GH793-16	1.00	1.50	2500 *2000	10000 *8000	12.00		1.01	<i>Accessories and Assembly Instructions see page 346.</i>	
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	1300	5200	25.00		2.22		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

*Pressure rating with reusable fittings.

FC212

Double wire braid
SAE 100R2AT



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								<i>Global</i>	
FC212-04	.25	.60	5000	20000	4.00		.27	Skive Nipples	74
FC212-06	.38	.75	4000	16000	5.00		.38	TTC	74
FC212-08	.50	.88	3500	14000	7.00		.46	Sockets	72
FC212-12	.75	1.16	2250	9000	9.50		.66	REUSABLE FITTINGS	163
FC212-16	1.00	1.50	2000	8000	12.00		1.00	Sockets	73
FC212-20	1.25	1.89	1625	6500	16.50		1.51	<i>Accessories and Assembly Instructions see page 346.</i>	
FC212-24	1.50	2.15	1250	5000	20.00		1.75		
FC212-32	2.00	2.51	1125	4500	25.00		2.25		

Construction: Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover. This hose has the maximum operating pressure printed in the layline of the hose complying to Virginia Law #1415.

Application: Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

1529**Double wire braid****High pressure air SAE 100R2A**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#									
1529-4	.25	.69	5000	20000	4.00		.34	CRIMP FITTINGS	
1529-6	.38	.84	4000	16000	5.00		.44	Global	
1529-8	.50	.97	3500	14000	7.00		.64	Skive Nipples	74
1529-10	.63	1.09	2750	11000	8.00		.65	Sockets	72
1529-12	.75	1.25	2250	9000	9.50		.82	REUSABLE FITTINGS	158
1529-16	1.00	1.56	2000	8000	12.00		1.00	Sockets	73
1529-20	1.25	2.00	1625	6500	16.50		1.95	Accessories and Assembly	
1529-24	1.50	2.25	1250	5000	20.00		2.02	Instructions see page 346.	
1529-32	2.00	2.75	1125	4500	25.00		2.70		

Construction: Synthetic rubber tube, double wire braid reinforcement, textile braid and perforated synthetic rubber cover to prevent blistering when used for pneumatic applications.

Application: High pressure pneumatic and gaseous applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404. NOTE: Extreme caution is warranted in the use of any hose in any high pressure pneumatic or gaseous application.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

2766**Double wire braid****MIL-DTL-13531, Type II, Class A**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#									
2766-4	.25	.69	5000	20000	4.00		.32	CRIMP FITTINGS	
2766-6	.38	.84	4000	16000	5.00		.46	Global	
2766-8	.50	.97	3500	14000	7.00		.54	Skive Nipples	74
2766-12	.75	1.25	2250	9000	9.50		.75	Sockets	72
2766-16	1.00	1.56	2000	8000	11.00		1.02	REUSABLE FITTINGS	158
2766-20	1.25	2.00	1625	6500	16.00		1.63	Sockets	73
2766-24	1.50	2.25	1250	5000	20.00		1.94	Accessories and Assembly	
2766-32	2.00	2.75	1000	4500	22.00		2.69	Instructions see page 346.	

Construction: Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover.

Application: High pressure hydraulics, fuel and lubricating oil and gasoline. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -65°F to +200°F (-54°C to +93°C).

For complete Agency Listings: See pages 397-398.

GH120 MATCHMATE ICE™

Cold temperature applications
SAE 100R16 performance



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								Global	
GH120-4	0.25	0.56	5000	20000	2.00		.20	Skive Nipples	
GH120-6	0.38	0.68	4000	16000	2.50		.27	(-4 through -20)	74
GH120-8	0.50	0.82	3500	14000	3.50		.39	TTC	74
GH120-10	0.63	0.98	2750	11000	4.00		.50	Sockets	72
GH120-12	0.75	1.12	2250	9000	4.75		.62	Accessories and Assembly	
GH120-16	1.00	1.41	2000	8000	6.00		.82	Instructions see page 346.	
GH120-20	1.25	1.71	1625	6500	8.25		1.07		
GH120-24	1.50	2.03	1250	5000	10.00		1.42		
GH120-32	2.00	2.51	1125	4500	12.50		1.88		

Construction: Aeroquip exclusive low temperature compound tube and cover, double wire braid reinforcement.

Application: Low temperature flexing and hydraulic system service with petroleum and water-base fluids. For use in frigid environments on construction equipment and other mobile applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -70°F to +212°F (-57°C to +100°C).

For complete Agency Listings: See pages 397-398.

FC639

Constant pressure hose
SAE 100R17



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								Global	
FC639-04	0.25	.52	3000	12000	2.00		.15	Skive Nipples	74
FC639-06	0.38	.67	3000	12000	2.50		.23	TTC (-4 through -12)	74
FC639-08	0.50	.81	3000	12000	3.50		.32	Sockets	72
FC639-10**	0.63	1.00	3000	12000	4.00		.51	Accessories and Assembly	
FC639-12**	0.75	1.14	3000	12000	4.75		.63	Instructions see page 346.	
FC639-16**	1.00	1.43	3000	12000	6.00		.83		

Construction: Synthetic rubber tube with one or two wire braid reinforcements, fire and ozone resistant synthetic rubber cover.

Application: General industrial and hydraulic system service with petroleum and water-base fluids. Recommended for high-pressure oil lines used on construction equipment and other off-highway applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

**Two braids of high tensile wire.

FC735 BRUISER™

Double wire braid

Exceeds DIN 20 022 Type 2SN *HI-IMPULSE®* at 1/2 SAE bend radius

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								CRIMP FITTINGS	
FC735-04*	.25	.53	5000*	20000*	2.00		.22	<i>Global</i>	
FC735-06	.38	.69	5000	20000	2.50		.29	Skive Nipples	74
FC735-08	.50	.81	4250	17000	3.50		.39	TTC	74
FC735-10	.63	.93	3625	14500	4.00		.44	Sockets	72
FC735-12	.75	1.10	3125	12500	4.75		.53	<i>Accessories and Assembly Instructions see page 346.</i>	
FC735-16	1.00	1.42	2500	10000	6.00		.72		
FC735-20	1.25	1.70	2250	9000	8.25		1.09		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C). Maximum ambient temperature: 180°F (82°C).

For complete Agency Listings: See pages 397-398.

**Meets SAE100R2 pressures.*

FC736 BRUISER™

Four heavy spiral wire

Exceeds SAE 100R12



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								CRIMP FITTINGS	
FC736-06	.38	.79	5500*	22000*	5.00		.47	Spiral Single Skive Crimp	108
FC736-08	.50	.92	5000*	20000*	7.00		.59	Internal Skive Crimp (-16 & -20 only)	123
FC736-10	.63	1.11	5000*	20000*	9.50		.80	<i>Global</i>	
FC736-12	.75	1.20	4000	16000	9.50		.92	TTC12	74
FC736-16	1.00	1.48	4000	16000	12.00		1.22	Sockets	72
FC736-20	1.25	1.83	3000	12000	16.50		1.64	REUSABLE FITTINGS	165
								Sockets	73
								<i>Accessories and Assembly Instructions see page 346.</i>	

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 on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C). Maximum ambient temperature: 180°F (82°C).

For complete Agency Listings: See pages 397-398.

**4,000 psi working pressure and 16,000 psi burst with TTC12 fittings.*

GH493 MATCHMATE Plus™

Four heavy spiral wire
SAE 100R12



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
GH493-6**	.38	.79	4000	16000	5.00		.47	Spiral Single Skive Crimp	108
GH493-8	.50	.92	4000	16000	7.00		.59	Global	
GH493-10	.63	1.11	4000	16000	9.50		.69	TTC12	74
GH493-12	.75	1.20	4000	16000	9.50		.92	Sockets	72
GH493-16	1.00	1.48	4000	16000	12.00		1.22	REUSABLE FITTINGS	165
GH493-20	1.25	1.83	3000	12000	16.50		1.64	Sockets	73
GH493-24	1.50	2.12	2500	10000	20.00		2.10	Accessories and Assembly	
GH493-32	2.00	2.64	2500	10000	25.00		2.81	Instructions see page 346.	

Construction: Synthetic rubber tube, 4 spiral wire reinforcement, black synthetic rubber cover.

Application: Hydraulic systems service with petroleum and water-base fluids, for general industrial use. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

**Approved for 10,000 psi maximum operating pressure for static Jack Hose applications.

FC136

Four heavy spiral wire
Exceeds SAE 100R12



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
FC136-06**	.38	.79	5500 4000*	22000 16000*	5.00		.45	Spiral Single Skive Crimp	108
FC136-08	.50	.92	5000 4000*	20000 16000*	7.00		.60	Internal Skive Crimp (-16 through -32)	123
FC136-10	.63	1.11	5000 4000*	20000 16000*	9.50		.67	Global	
FC136-12	.75	1.20	4000	16000	9.50		.90	TTC12	74
FC136-16	1.00	1.48	4000	16000	12.00		1.19	Sockets	72
FC136-20	1.25	1.83	3000	12000	16.50		1.60	REUSABLE FITTINGS	165
FC136-24	1.50	2.12	2500	10000	20.00		2.01	Sockets	73
FC136-32	2.00	2.64	2500	10000	25.00		2.93	Accessories and Assembly	
								Instructions see page 346.	

Construction: Synthetic rubber tube, 4-heavy spiral wire reinforcement, synthetic rubber cover.

Application: Hydraulic system service with petroleum and water-base fluids, for general industrial use. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

*Pressure rating with TTC12 fittings.

**Approved for 10,000 psi maximum operating pressure for static Jack Hose applications.

FC659**Four spiral wire****Exceeds SAE 100R12**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								<i>Global</i>	
FC659-06	.38	.79	4000	16000	2.50*		.47	TTC12	74
FC659-08	.50	.92	4000	16000	3.50*		.57	<i>Accessories and Assembly Instructions see page 346.</i>	
FC659-10	.63	1.11	4000	16000	4.75*		.70		
FC659-12	.75	1.20	4000	16000	4.75*		.90		
FC659-16	1.00	1.48	4000	16000	6.00*		1.21		
FC659-20	1.25	1.83	3000	12000	8.25*		2.40		

Construction: Synthetic rubber tube, 4 spiral wire reinforcement and synthetic rubber cover.**Application:** Hydraulic system service with petroleum and water-base fluids requiring premium performance and flexibility. For more specific information on fluid applications, see pages 400-404.**Operating Temperature Range:** -40°F to +250°F (-40°C to +121°C).**For complete Agency Listings:** See pages 397-398.

*1/2 SAE bend radius.

FC254**Four heavy spiral wire****Exceeds SAE 100R11 performance**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
FC254-08*	.50	.98	7500†	30000	8.00		.69	Spiral Single Skive Crimp (-20, -24 only)	116, 108
FC254-12	.75	1.26	6250	25000	11.00		1.12	Internal Skive Crimp	123
FC254-16	1.00	1.52	5000	20000	12.00		1.31	<i>Accessories and Assembly Instructions see page 346.</i>	
FC254-20	1.25	1.80	4000	16000	16.50		2.05		
FC254-24	1.50	2.13	3000	12000	20.00		2.35		
FC254-32	2.00	2.68	3000	12000	25.00		3.13		

Construction: Synthetic rubber tube, 4-heavy spiral wire reinforcement and synthetic rubber cover.**Application:** Hydraulic system service with petroleum and water-base fluids, for general industrial use. For more specific information on fluid applications, see pages 400-404.**Operating Temperature Range:** -40°F to +250°F (-40°C to +121°C).**For complete Agency Listings:** See pages 397-398.

†Rated at 10,000 psi for water blast applications using internal skive fittings.

*Available with Bruiser cover as FC854-08.

FC273

Four or six spiral wire
SAE 100R13



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
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		

Construction: Synthetic rubber tube, multiple heavy spiral wire (4 wire for -12, -16; 6 wire for -20, -24 and -32); black synthetic rubber cover.

Application: Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

FITTING REFERENCE	PAGE
CRIMP FITTINGS	
Spiral Single Skive Crimp	116
Internal Skive Crimp	128
Global	
Spiral TTC™	100
Sockets	
	72
Accessories and Assembly Instructions see page 346.	

FC323

Four spiral wire

Exceeds performance requirements SAE 100R12 (-20), SAE 100R11 (-24, -32)



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC323-12	.75	1.20	3000	12000	9.50		.94		
FC323-16	1.00	1.48	3000	12000	12.00		1.22		
FC323-20	1.25	1.86	3000	12000	16.50		1.70		
FC323-24	1.50	2.11	3000	12000	20.00		2.20		
FC323-32	2.00	2.63	3000	12000	25.00		3.21		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

FITTING REFERENCE	PAGE
CRIMP FITTINGS	
Spiral Single Skive Crimp (-12 through -24)	108
Internal Skive Crimp	123
Sockets	
	72
Accessories and Assembly Instructions see page 346.	

FC324

Four spiral wire

Exceeds SAE 100R12



FC 324 AQP

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE PAGE
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	

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

CRIMP FITTINGS

Spiral Single Skive Crimp
(-12 & -16 only) 108,
(-8 only) 115

Internal Skive Crimp
(-12, -16) 123

Sockets 72

REUSABLE FITTINGS

(-8 only) 165

Sockets 73

Accessories and Assembly Instructions see page 346.

FC325

Four spiral wire

Exceeds SAE 100R13



FC 325 AQP

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE PAGE
FC325-12	.75	1.26	5000	20000	9.50		1.09	
FC325-16	1.00	1.52	5000	20000	12.00		1.42	

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

CRIMP FITTINGS

Internal Skive Crimp 130

Sockets 72

Accessories and Assembly Instructions see page 346.

FC606

Six spiral wire
SAE 100R15



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
								CRIMP FITTINGS	
FC606-16	1.00	1.65	6000	24000	12.00		1.79	Internal Skive Crimp	134
FC606-20	1.25	1.95	6000	24000	16.50		2.43	Global	
FC606-24*	1.50	2.30	6000	24000	20.00		3.17	Spiral TTC™	100
								Sockets	72

Construction: Synthetic rubber tube, 6-spiral wire reinforcement, synthetic rubber cover.

Application: High pressure hydraulics, hydrostatic transmissions. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

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).

For complete Agency Listings: See pages 397-398.

*Factory made assemblies only. Contact Eaton Aeroquip.

Accessories and Assembly Instructions see page 346.

GH506

Four spiral wire
DIN 20023 T2, EN 856 Type 4SH



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
								CRIMP FITTINGS	
GH506-12	.75	1.27	6090	24360	11.00		1.43	Global Spiral TTC™	100
GH506-16	1.00	1.51	5510	22040	13.38		4.96	Accessories and Assembly Instructions see page 346.	
GH506-20	1.25	1.79	5075	20300	18.11		5.51		

Construction: Synthetic rubber tube, 4 spiral wire reinforcement, synthetic rubber cover.

Application: Four wire hose for high pressure hydraulic systems with petroleum and water-base fluids. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

GH466

Six spiral wire



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
GH466-20	1.25	1.94	5510	22040	16.50		7.67	Global Spiral TTC™	100

Construction: Synthetic rubber tube, 6 spiral wire reinforcement, synthetic rubber cover.

Application: Six wire spiral hose for pressure systems with extreme pressure peaks. For use with petroleum and water-base fluids. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

Accessories and Assembly Instructions see page 346.

FC611

Single wire braid medium pressure EPDM hose



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
FC611-04	.25	.53	3000	12000	4.00	28	.16	Global	
FC611-06	.38	.68	2250	9000	5.00	28	.22	TTC	74
FC611-08	.50	.80	2000	8000	7.00	28	.28	Accessories and Assembly Instructions see page 346.	
FC611-12	.75	1.10	1250	5000	9.50	28	.43		
FC611-16	1.00	1.41	1000	4000	12.00	20	.60		
FC611-20	1.25	1.71	625	2500	16.50	20	.80		
FC611-24	1.50	1.99	500	2000	20.00	15	1.02		
FC611-32	2.00	2.52	375	1500	25.00	15	1.28		

Construction: Synthetic EPDM tube, single wire braid reinforcement and green EPDM synthetic cover.

Application: Ground support equipment (GSE), industrial phosphate-ester based fluids, water glycol systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +175°F (-40°C to +75°C).

For complete Agency Listings: See pages 397-398.

FC693

Double wire braided high pressure EPDM hose



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
FC693-04	.25	.60	5000	20000	4.00		.25	Global	
FC693-06	.38	.75	4000	16000	5.00		.36	TTC	74
FC693-08	.50	.87	3500	14000	7.00		.40	Accessories and Assembly Instructions see page 346.	

Construction: Synthetic EPDM tube, double wire braid reinforcement and green EPDM synthetic cover.

Application: Ground support equipment (GSE), industrial phosphate-ester based fluids, water glycol systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +175°F (-40°C to +75°C).

For complete Agency Listings: See pages 397-398.

FC636

Four spiral wire high pressure EPDM hose



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
FC636-12	.75	1.20	4000	16000	9.50		.88	Global	
FC636-16	1.00	1.48	4000	16000	12.00		1.17	TTC12	74
FC636-20	1.25	1.83	3000	12000	16.50		1.55	Accessories and Assembly Instructions see page 346.	
FC636-24	1.50	2.12	2500	10000	20.00		1.96		

Construction: Synthetic EPDM tube, 4-spiral wire reinforcement, and green EPDM synthetic cover.

Application: Ground support equipment (GSE), industrial phosphate-ester based fluids, water glycol systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +175°F (-40°C to +75°C).

For complete Agency Listings: See pages 397-398.

FC332

Textile braid

Low pressure **SOCKETLESS™**



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								REUSABLE FITTINGS	168
FC332-04	.25	.49	250	1000	3.00	28	.08	Accessories and Assembly Instructions see page 346.	
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		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

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).

For complete Agency Listings: See pages 397-398.

FC647

Textile braid low pressure **SOCKETLESS™**

Fire resistant meets RMA/CGA flame test requirements



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								REUSABLE FITTINGS	168
FC647-04*	.25	.52	360	1440	3.00	28	.06	Accessories and Assembly Instructions see page 346.	
FC647-06*	.38	.66	300	1200	3.00	28	.09		
FC647-08*	.50	.79	300	1200	5.00	28	.12		
FC647-10*	.63	.92	250	1000	6.00	18	.16		
FC647-12*	.75	1.05	250	1000	7.00	18	.18		

Construction: Synthetic rubber tube, textile braid reinforcement, polyester braided cover.

Application: For gasoline, fuel and lubricating oils, air and water. Not recommended for hydraulic impulse applications and not approved for air brake applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

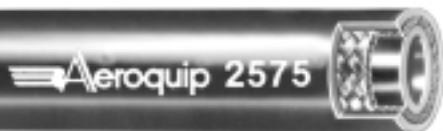
Operating Temperature Range: -40°F to +212°F (-40°C to +100°C). Water not to exceed +150°F (+66°C), air not to exceed +165°F (+74°C).

For complete Agency Listings: See pages 397-398.

*NOTE: You must insert the correct color code in the complete part number. Color codes are BLK = black, BLU = blue, BRN = Brown, GRN = green, WHT = white. Example: FC647-04GRN is a green cover in dash size 4.

2556/2565**Textile braid****Low pressure SOCKETLESS™****Meets performance requirements SAE 30R2 Type 1**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS			
#								REUSABLE FITTINGS	168
2556-4	.25	.49	360	1440	3.00	28	.08	Accessories and Assembly Instructions see page 346.	
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		

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 not approved for air brake applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404. 2565 is a low temperature synthetic rubber covered MIL-DTL-13444 Type 1, Class A 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).**For complete Agency Listings:** See pages 397-398.**2575****Textile braid color coded****Low pressure SOCKETLESS™**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS			
#								REUSABLE FITTINGS	168
2575-4†	.25	.47	250	1000	3.00		.09	Accessories and Assembly Instructions see page 346.	
2575-6†	.38	.62	250	1000	4.00		.13		
2575-8†	.50	.75	250	1000	5.00		.17		
2575-10†	.63	.91	200	800	6.00		.20		
2575-12†	.75	1.03	200	800	7.00		.22		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**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 +160°F (+71°C).**For complete Agency Listings:** See pages 397-398.

†NOTE: You must insert the correct color code in the complete part number. Color codes are BLK = black, BLU = blue, GRA = gray, GRN = green, RED = red, YEL = yellow. Example: 2575-4BLU is a blue cover in dash size 4.

FB9218/FB9219/FB9220

Polygon recoil air hose assemblies



Assembly Part Number	Hose I.D.	Assembly Length	Male NPT NPT Each End, Size	Retracted Length Nominal	Rec. Max. Work Length	Outside Coil Dia.	
	INCHES	FEET	INCHES	INCHES	FEET	INCHES	
#							Assemblies provided with fittings attached.
FB9218-12	.25	12	1/4-18	6	10	3	
FB9218-25	.25	25	1/4-18	12	22	3	
FB9218-50	.25	50	1/4-18	23	45	3	
FB9219-12	.38	12	3/8-18	5	10	5 1/2	
FB9219-25	.38	25	3/8-18	10	21	5 1/2	
FB9219-50	.38	50	3/8-18	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	
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 Polygon 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"). For complete Agency Listings: See pages 397-398.							

SAFETY BLOW GUN

1/4" Female NPT Port



Maximum outlet pressure: 30 psi. Conforms to OSHA standards.

Part Number: FF9791-01

FC300

Single wire braid

Exceeds SAE 100R5



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								REUSABLE FITTINGS	145
FC300-04	.19	.52	3000	12000	3.00	28	.13	Sockets	73
FC300-05	.25	.58	3000	12000	3.38	28	.16	Accessories and Assembly Instructions see page 346.	
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	.63	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	15†	.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		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -55°F to +300°F (-49°C to +150°C). Air not to exceed +250°F (+121°C).

For complete Agency Listings: See pages 397-398.

†Maximum negative pressure shown for -16 and larger are suitable for those which has suffered no external damage or kinking. If greater negative pressures are required for -16 and larger hoses, the use of an internal support coil is recommended.

‡ Does not comply with SAE 100R5 operating pressure of 350 psi or minimum burst of 1400 psi.

1503

Single wire braid

SAE 100R5



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								REUSABLE FITTINGS	145
1503-4	.19	.52	3000	12000	3.00	28	.13	Sockets	73
1503-5	.25	.58	3000	12000	3.38	28	.16	Accessories and Assembly Instructions see page 346.	
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	.63	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		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C). Air not to exceed +160°F (+71°C).

For complete Agency Listings: See pages 397-398.

†Maximum negative pressures shown for -16 and larger are suitable only for those which has suffered no external damage or kinking. If greater negative pressures are required for -16 and larger hoses, the use of an internal support coil is recommended.

HOSE

SPECIAL APPLICATION

303/302A

Single wire braid

MIL-H-8794



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								REUSABLE FITTINGS	145
303-4	.19	.52	3000	12000	3.00	28	.15	Sockets	73
303-5	.25	.58	3000	10000	3.38	28	.19	Accessories and Assembly Instructions see page 346.	
303-6	.31	.68	2000	9000	4.00	28	.22		
303-8	.41	.77	2000	8000	4.62	28	.26		
303-10	.50	.92	1750	7000	5.50	28	.36		
303-12	.63	1.08	1500	6000	6.50	28	.42		
302A16	.88	1.23	800	3200	7.38	28	.39		
302A20	1.12	1.50	600	2500	9.00	28	.51		
302A24	1.38	1.75	500	2000	11.00	28	.64		
302A32	1.81	2.22	350	1400	13.25	28	1.00		

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. Air not to exceed +160°F (+71°C). For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: 303 hose: -65°F to +250°F (-54°C to +121°C). 302A hose: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

2651

Single wire braid

SAE 100R5 performance



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								REUSABLE FITTINGS	145
2651-4	.19	.52	3000	12000	3.00	28	.13	Sockets	73
2651-5	.25	.58	3000	12000	3.38	28	.16	Accessories and Assembly Instructions see page 346.	
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	.63	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		

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. Air not to exceed 250 psi or +160°F (+71°C). For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

† Maximum negative pressures shown for -16 and larger are suitable for hose which has suffered no external damage or kinking. If greater negative pressures are required for -16 and larger hoses, the use of an internal support coil is recommended.

This page is part of a complete catalog which contains technical and safety data that must be reviewed when selecting a product.

FC234**Fuel and oil****Fire resistant USCG/MMT, NMMA/BIA**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								REUSABLE FITTINGS	145
FC234-05	.25	.58	1500	6000	1.00	28	.22	Sockets	73
FC234-06	.31	.68	1500	6000	1.25	28	.25	Accessories and Assembly Instructions see page 346.	
FC234-08	.41	.76	1250	5000	1.75	28	.30		
FC234-10	.50	.94	1250	5000	2.25	28	.45		
FC234-12	.63	1.08	750	3000	2.75	20	.48		
FC234-16	.88	1.24	400	1600	3.50	16	.51		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C).

For complete Agency Listings: See pages 397-398.

FC355**Engine & air brake****FMVSS106**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								REUSABLE FITTINGS	145
FC355-04	.19	.52	1500	6000	.75	28	.17	Sockets	73
FC355-05	.25	.58	1500	6000	1.00	28	.20	Accessories and Assembly Instructions see page 346.	
FC355-06	.31	.68	1500	6000	1.25	28	.24		
FC355-08	.41	.77	1250	5000	1.75	28	.29		
FC355-10	.50	.94	1250	5000	2.25	28	.40		
FC355-12	.63	1.08	750	3000	2.75	20	.46		
FC355-16	.88	1.24	400	1600	3.50	15	.50		
FC355-20	1.13	1.52	300	1250	4.50	15	.59		
FC355-24	1.38	1.75	250	1000	5.50	11	.69		
FC355-32	1.81	2.22	200	800	8.50	11	.93		

Construction: AQP elastomer tube, polyester inner braid and a single wire braid reinforcement, blue AQP elastomer cover.

Application: Air, gasoline, fuel, lubricating oils and coolants. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C). Air not to exceed 250 psi or +250°F (+121°C).

For complete Agency Listings: See pages 397-398.

FC350**Engine & air brake
FMVSS106**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								REUSABLE FITTINGS	145
FC350-04	.19	.52	2000	8000	.75	28	.12	Sockets	73
FC350-05	.25	.58	1500	6000	1.00	28	.15	Accessories and Assembly Instructions see page 346.	
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	.63	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		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -55°F to +300°F (-49°C to +150°C). Air not to exceed +250°F (+121°C).

For complete Agency Listings: See pages 397-398.

FC650**High temperature fuel & oil**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								CRIMP FITTINGS	
FC650-04	.19	.48	1000	4000	.75	28	.10	Contact Aeroquip for fitting information.	
FC650-06	.31	.63	1000	4000	1.25	28	.15	Accessories and Assembly Instructions see page 346.	
FC650-08	.41	.74	1000	4000	1.75	28	.19		
FC650-10	.50	.83	1000	4000	2.25	28	.23		
FC650-12	.63	.99	1000	4000	2.75	20	.28		

Construction: AQP elastomer tube, single wire braid reinforcement, black polyester braided cover.

Application: Diesel fuel, gasoline, fuel, lubricating oils, water, coolant and air. Not approved for air brake applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -55°F to +300°F (-49°C to +150°C). Air not to exceed +250°F (+121°C).

For complete Agency Listings: See pages 397-398.

FC699

High temperature fuel hose
AQP lightweight engine hose



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								CRIMP FITTINGS	
FC699-04	.25	.49	400	1600	2.50	28	.06	Global	
FC699-06	.38	.63	400	1600	3.00	28	.10	OTC	74
FC699-08	.50	.77	400	1600	4.00	28	.13	Accessories and Assembly	
FC699-10	.63	.94	350	1400	5.00	18	.18	Instructions see page 346.	
FC699-12	.75	1.08	350	1400	7.00	18	.20		

Construction: AQP elastomer tube, single Kevlar reinforcement braid and textile braided cover.

Application: Diesel fuel, gasoline, crude and lubricating oils.

Operating Temperature Range: -40°F to +300°F (-40°C to +150°C). Air not to exceed +250°F (+121°C).

For complete Agency Listings: See pages 397-398.

FC321

LPG UL listing MH6044



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								REUSABLE FITTINGS	145
FC321-04	.19	.52	350	1750	1.50		.11	Sockets	73
FC321-05	.25	.58	350	1750	1.75		.13	Accessories and Assembly	
FC321-06	.31	.67	350	1750	2.00		.18	Instructions see page 346.	
FC321-08	.41	.77	350	1750	2.31		.21		
FC321-10	.50	.92	350	1750	2.75		.29		
FC321-12	.63	1.08	350	1750	3.25		.37		
FC321-16	.88	1.24	350	1750	3.69		.38		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

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.

CR170

Single stainless steel braid LPG hose
CGA (Canadian Gas Association) Type III



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								CRIMP FITTINGS	
CR170-04	.19	.52	350	12000	3.00		.16	Contact Aeroquip for fitting information	
CR170-06	.31	.67	350	9000	4.00		.22	Accessories and Assembly Instructions see page 346.	
CR170-08	.41	.77	350	8000	4.62		.26		

Construction: Nylon tube, single stainless steel braid reinforcement, perforated synthetic rubber cover.

Application: LPG (propane) vehicle, alternative fuel conversion systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

FC414

Single wire braid
Pressure washer hose



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								CRIMP FITTINGS	
FC414-06	.38	.68	5.00	3000	12000		.21	Global	
								TTC	74

Construction: Synthetic rubber tube, single wire braid reinforcement and synthetic rubber cover.

Application: Pressure washer machines with working pressures up to 3000 psi. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.



WARNING: NOT FOR STEAM USE

Accessories and Assembly Instructions see page 346.

2555

Power steering



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								REUSABLE FITTINGS	172
2555-6	.38	.76	1125	4500	4.00		.20	Sockets	73

Construction: Synthetic rubber tube, double textile braid reinforcement and synthetic rubber cover.

Application: Power steering applications. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

Accessories and Assembly Instructions see page 346.

1531/1531A

Railroad air brake

Exceeds AAR-M618



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								REUSABLE FITTINGS	173
1531-10	.50	.94	300	1200	5.50		.38	Sockets	73
1531-12	.63	1.12	300	1200	6.50		.48	<i>Accessories and Assembly Instructions see page 346.</i>	
1531-16	.88	1.38	300	1200	7.38		.72		
1531-20	1.13	1.63	300	1200	9.50		.78		
1531A-24	1.38	1.88	300	1200	10.50		1.04		

Construction: Synthetic rubber tube, partial textile braid, wire reinforcement (1531-10 and 1531-12 have single wire braid; 1531-16, 1531-20 and 1531A-24 have double wire braid) and synthetic rubber cover.

Application: Locomotive air brake lines. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

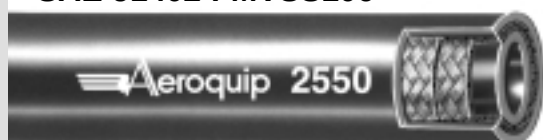
Operating Temperature Range: -65°F to +212°F (-54°C to +100°C).

For complete Agency Listings: See pages 397-398.

2550/2554

Air brake

SAE J1402 FMVSS106



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								REUSABLE FITTINGS	172
2550-6	.38	.75	225	900	1.75		.20	Sockets	73
2554-6	.38	.75	225	900	3.75		.18	Accessories and Assembly Instructions see page 346.	

Construction: Synthetic rubber tube, double textile braids and synthetic rubber cover.

Application: Tractor to trailer lines, axle chamber lines and tractor service lines. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: 2550: -40°F to +200°F (-40°C to +93°C). 2554: -65°F to +212°F (-54°C to 100°C), conforms to ordinance spec. MIL-H-3992B, Type 1, Class 1.

For complete Agency Listings: See pages 397-398.

2570

Air brake SAE J1402

FMVSS106



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								REUSABLE FITTINGS	172
2570-6	.38	.75	225	900	1.75		.18	Sockets	73
2570-8	.50	.88	225	900	2.00		.23	Accessories and Assembly Instructions see page 346.	
2570-10‡	.62	1.06	225	900	2.25		.30		

Construction: Synthetic rubber tube, double textile braid and synthetic rubber cover.

Application: Tractor to trailer lines, axle chamber lines and tractor service lines. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

‡ Crimp Fittings only, contact Eaton Aeroquip.

FC252

Silicone rubber (heater)



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS			
#								REUSABLE FITTINGS	
FC252-08	.50	.81	50	200	2.00		.18	Clamps	173
FC252-10	.63	.94	40	160	2.50		.19	Accessories and Assembly	
FC252-12	.75	1.06	40	160	3.00		.28	Instructions see page 346.	
FC252-16	1.00	1.34	35	140	4.00		.36		

Construction: Silicone rubber tube, braided fiber reinforcement and silicone rubber cover.

Application: Heater hose for passenger cars and trucks; connecting lines from hot water heaters to coolant-circulating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -65°F to +350°F (-54°C to +177°C).

For complete Agency Listings: See pages 397-398.

FC352

Silicone rubber (coolant)



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	FITTING REFERENCE	PAGE
								REUSABLE FITTINGS	
FC352-08	.50	.94	100	425			.17	Clamps	173
FC352-10	.63	1.06	100	425			.22	Accessories and Assembly Instructions see page 346.	
FC352-12	.75	1.19	100	425			.27		
FC352-14	.88	1.32	100	425			.31		
FC352-16	1.00	1.44	90	375			.34		
FC352-18	1.12	1.56	90	375			.41		
FC352-20	1.25	1.69	85	350			.45		
FC352-22	1.38	1.82	85	350			.50		
FC352-24	1.50	1.94	85	350			.55		
FC352-26	1.63	2.06	80	325			.58		
FC352-28	1.75	2.19	80	325			.63		
FC352-32	2.00	2.44	75	300			.72		
FC352-36	2.25	2.69	75	300			.81		
FC352-38	2.38	2.82	60	250			.84		
FC352-40	2.50	2.94	60	250			.89		
FC352-44	2.75	3.19	50	200			.98		
FC352-48	3.00	3.44	50	200			1.06		
FC352-56	3.50	3.94	40	175			1.25		
FC352-64	4.00	4.44	35	150			1.44		

Construction: Silicone rubber tube, four spirals of nylon and silicone rubber cover.

Application: Coolant system service with liquid-cooled engines. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -65°F to +350°F (-54°C to +177°C).

For complete Agency Listings: See pages 397-398.

FC579

Jack Hose approved for 10,000 psi
Static jacking applications



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC579-04	.25	.53	10000	20000	2.00		.22		

Construction: Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover.

Application: Hydraulic jacking system service with petroleum and water-base fluids. Meets the performance requirements of the Material Handling Institute Specification IJ100. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +212°F (-40°C to +100°C).

For complete Agency Listings: See pages 397-398.

CRIMP FITTINGS

Global

Skive Nipples 74

TTC 74

Sockets 72

Accessories and Assembly Instructions see page 346.

FC616

Jack Hose approved for 10,000 psi
Static jacking applications



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC616-06	.38	.79	10000	20000	5.00		.47		

Construction: Synthetic rubber tube, four-wire spiral reinforcement and synthetic rubber cover.

Application: Hydraulic jacking system service with petroleum and water-base fluids. Meets the performance requirements of the Material Handling Institute Specification IJ100. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

CRIMP FITTINGS

Global

TTC12 74

Accessories and Assembly Instructions see page 346.

FC558**Refrigeration/air conditioning SAE J2064****Type B Class 1**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								REUSABLE FITTINGS	145
FC558-10	.50	.92	500	2500	5.50	28	.33	Sockets	73
FC558-12	.63	1.06	500	2500	6.50	28	.41	Accessories and Assembly Instructions see page 346.	
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		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

FC802**Multi-Refrigerant hose****SAE J51 Type D**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service*	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								REUSABLE FITTINGS	145
FC802-04	.20	.52	500	2500	2.00	25*	.11	Sockets	73
FC802-06	.33	.68	500	2500	2.50	25*	.16	Accessories and Assembly Instructions see page 346.	
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		

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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +250°F (-40°C to +121°C).

For complete Agency Listings: See pages 397-398.

*All sizes of FC802 will withstand full negative pressure for charging purposes and are suitable for very short term service at full negative pressure.

1540**Refrigeration/air conditioning**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service*	Weight Per Foot	FITTING REFERENCE	PAGE
INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS			
#									
1540-4	.19	.50	350	1750	3.00	28	.12	REUSABLE FITTINGS	145
1540-6	.31	.67	350	1750	4.00	28	.18	Sockets	73
1540-8	.41	.75	350	1750	4.62	28	.23	Accessories and Assembly	
1540-10	.50	.92	350	1750	5.50	28	.32	Instructions see page 346.	
1540-12	.63	1.06	350	1750	6.50	28	.45		
1540-16	.88	1.24	350	1750	7.38	28	.45		
1540-20	1.12	1.50	350	1750	9.00	28	.57		
1540-24	1.38	1.75	350	1750	10.50	28	.69		

Construction: Synthetic rubber tube, single wire braid reinforcement and black textile braided cover.

Application: Designed for applications using Refrigerant 12. Not recommended for applications using Freon 22 or R-502. See pages 400-404.

Operating Temperature Range: -20°F to +250°F (-29°C to +121°C).

For complete Agency Listings: See pages 397-398.

*All sizes will withstand full negative pressure for charging purposes.

FC555**Refrigeration/air conditioning
Multi-refrigerant**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service*	Weight Per Foot	FITTING REFERENCE	PAGE
INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS			
#									
FC555-12	.63	1.12	500	2500	2.50	29.5	.20	CRIMP FITTINGS	
FC555-16	.88	1.38	500	2500	3.00	29.5	.25	Refer to Catalog JA466	
FC555-20	1.12	1.65	500	2500	4.00	29.5	.33	Accessories and Assembly	
								Instructions see page 346.	

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 Eaton Aeroquip for additional refrigerants). See pages 400-404.

Operating Temperature Range: -22°F to +257°F (-30°C to +125°C).

For complete Agency Listings: See pages 397-398.

*All sizes will withstand full negative pressure for charging purposes.

GH134

Refrigeration/air conditioning

SAE J2064 Type E Class 1, Multi-refrigerant



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service* INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#									
GH134-6	.31	.58	500	2500	2.00	29.5	.09	CRIMP FITTINGS Refer to Catalog JA466 <i>Accessories and Assembly Instructions see page 346.</i>	
GH134-8	.41	.70	500	2500	2.50	29.5	.12		
GH134-10	.50	.78	500	2500	3.00	29.5	.15		
GH134-12	.63	.98	500	2500	4.00	29.5	.18		

Construction: Nylon veneer tube, stabilized synthetic braided reinforcement and chlorobutyl rubber cover.

Application: Transportation refrigeration and air conditioning systems using R-134a, R12, R22, R404 and R407. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +257°F (-40°C to +135°C).

For complete Agency Listings: See pages 397-398.

*All sizes will withstand full negative pressure for charging purposes.

FC505

Refrigeration/air conditioning

SAE J2064 Type E Class 1, Multi-refrigerant



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service* INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#									
FC505-04	.20	.44	500	2500	1.50	29.5	.07	CRIMP FITTINGS Refer to Catalog JA466 <i>Accessories and Assembly Instructions see page 346.</i>	
FC505-06	.32	.59	500	2500	2.00	29.5	.10		
FC505-08	.42	.71	500	2500	2.50	29.5	.12		
FC505-10	.52	.79	500	2500	3.00	29.5	.14		
FC505-12	.64	.98	500	2500	4.00	29.5	.22		

Construction: Nylon veneer tube, stabilized synthetic braided reinforcement and chlorobutyl rubber cover.

Application: Transportation refrigeration and air conditioning systems using R-134a, R-12, R-22 or R-502 (contact Eaton Aeroquip for additional refrigerants). For more information on specific fluid applications and high temperature ratings, see pages 400-404.

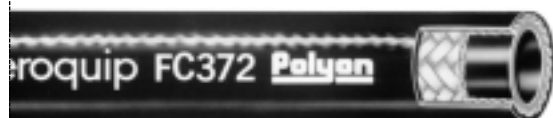
Operating Temperature Range: -40°F to +275°F (-40°C to +135°C).

For complete Agency Listings: See pages 397-398.

*All sizes will withstand full negative pressure for charging purposes.

FC372

Polyon™/Thermoplastic
SAE 100R7



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
								SWAGE/CRIMP CRIMP FITTINGS	135
FC372-02	.13	.33	2500	10000	.50		.05	Global	
FC372-03	.19	.44	3000	12000	.75		.06	**Skive Nipples	74
FC372-04	.25	.53	2750	11000	1.25		.09	Sockets	72
FC372-05	.31	.59	2500	10000	1.75		.10	REUSABLE FITTINGS	153
FC372-06	.38	.66	2250	9000	2.00		.12	Sockets	73
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	Accessories and Assembly Instructions see page 346.	
FC372-16	1.00	1.32	1000	4000	8.00		.28		

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. For more information on specified fluid applications and high temperature ranges, see pages 400-404.

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).

For complete Agency Listings: See pages 397-398.

†-40°F to +200°F (-40°C to +93°C) for flexing applications. **No skiving of cover required.

FC373

Polyon™/Thermoplastic
SAE 100R7 Nonconductive



Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
								SWAGE/CRIMP CRIMP FITTINGS	135
FC373-02	.13	.33	2500	10000	.50		.05	Global	
FC373-03	.19	.44	3000	12000	.75		.06	**Skive Nipples	74
FC373-04	.25	.53	2750	11000	1.25		.08	Sockets	72
FC373-05	.31	.59	2500	10000	1.75		.09	REUSABLE FITTINGS	153
FC373-06	.38	.66	2250	9000	2.00		.10	Sockets	73
FC373-08	.50	.83	2000	8000	3.00		.16		
FC373-12	.75	1.07	1250	5000	5.00		.22	Accessories and Assembly Instructions see page 346.	
FC373-16	1.00	1.32	1000	4000	8.00		.27		

Construction: Thermoplastic elastomer tube, single braid polyester reinforcement and an orange nonperforated polyurethane cover.

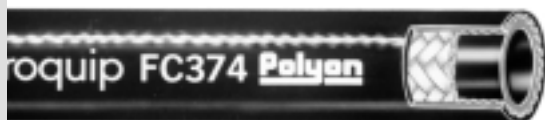
Application: Hydraulic system service with petroleum, fire-resistant, and water-base fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404. For non-conductivity information see item 8 on page 408.

Operating Temperature Range: -65°F to +200°F† (-54°C to +93°C). Water not to exceed +150°F (+66°C).

For complete Agency Listings: See pages 397-398.

†-40°F to +200°F (-40°C to +93°C) for flexing applications.

**Skiving not required.

FC374**Polyon™/Thermoplastic
SAE 100R8**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								SWAGE/CRIMP	135
FC374-03	.19	.40	5000	20000	1.50		.05	<i>Accessories and Assembly Instructions see page 346.</i>	
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		

Construction: Thermoplastic elastomer tube, single braid aramid reinforcement and a black perforated polyurethane cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water-base fluids, pneumatic, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

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).

For complete Agency Listings: See pages 397-398.

† -40°F to +200°F (-40°C to +93°C) for flexing applications.

FC375**Polyon™/Thermoplastic
SAE 100R8 Nonconductive**

Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								SWAGE/CRIMP	135
FC375-03	.19	.41	5000	20000	1.50		.05	<i>Accessories and Assembly Instructions see page 346.</i>	
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		

Construction: Thermoplastic elastomer tube, single braid aramid reinforcement and an orange nonperforated polyurethane cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water-base fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404. For nonconductivity information, see item 8 page 408.

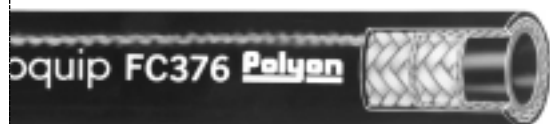
Operating Temperature Range: -65°F to +200°F† (-54°C to +93°C). Water not to exceed +150°F (+66°C).

For complete Agency Listings: See pages 397-398.

† -40°F to +200°F (-40°C to +93°C) for flexing applications.

FC376

Polyon™/Thermoplastic
Ultra high pressure



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC376-03	.19	.50	10000‡	40000	1.50		.09		
FC376-04	.25	.63	10000‡	35000	2.50		.13		

Construction: Thermoplastic elastomer tube, double braid aramid 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. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -40°F to +150°F (-40°C to +66°C).

For complete Agency Listings: See pages 397-398.

‡CAUTION: Applies only to hose that has suffered no damage, has been properly assembled with hose guards, and tested to required test pressure.



WARNING: The use of this hose in high pressure application requires the use of undamaged hose which has been properly assembled with hose guards and tested to the required pressure. Installations must not exceed the recommended minimum bend radius. The failure to follow these instructions may result in sudden hose failure with the potential for serious personal injury and property damage.

CRIMP FITTINGS

Contact Eaton Aeroquip for fitting information

Accessories and Assembly Instructions see page 346.

FC377

Polyon™/Thermoplastic
Nonconductive, ultra high pressure



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
FC377-03	.19	.50	10000‡	40000	1.50		.08		
FC377-04	.25	.63	10000‡	35000	2.50		.13		

Construction: Thermoplastic elastomer tube, double braid aramid reinforcement and orange nonperforated polyurethane cover.

Application: Hydraulic system service with petroleum, and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 400-404. For nonconductivity information, see item 8 on page 408.

Operating Temperature Range: -40°F to +150°F (-40°C to +66°C).

For complete Agency Listings: See pages 397-398.

‡CAUTION: Applies only to hose that has suffered no damage, has been properly assembled with hose guards, and tested to required test pressure.

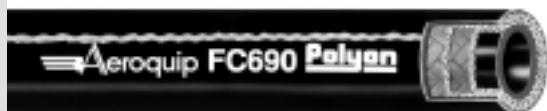


WARNING: The use of this hose in high pressure application requires the use of undamaged hose which has been properly assembled with hose guards and tested to the required pressure. Installations must not exceed the recommended minimum bend radius. The failure to follow these instructions may result in sudden hose failure with the potential for serious personal injury and property damage.

CRIMP FITTINGS

Contact Eaton Aeroquip for fitting information

Accessories and Assembly Instructions see page 346.

FC690**Polyon™/Thermoplastic****Low temperature flexing SAE 100R7**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE	PAGE
#								SWAGE	135
FC690-04RL	.25	.53	2750	11000	1.25		.09	Accessories and Assembly Instructions see page 346.	
FC690-06RL	.38	.66	2500	10000	2.50		.11		
FC690-08RL	.50	.84	2500	10000	3.50		.18		

Construction: Thermoplastic elastomer tube, double braid polyester reinforcement and low temperature black, perforated polyurethane cover.

Application: Hydraulic system service with petroleum, fire-resistant, and water-base fluids, pneumatic, fuel, and lubricating systems utilized in continuous low temperature flexing applications. For more information on specified fluid applications and high temperature ratings, see pages 400-404.

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). Sold in reel lengths only.

For complete Agency Listings: See pages 397-398.

FC902**Polyon™/Thermoplastic Twin-line****SAE 100R7**

Part Number	Number of Hoses	Hose I.D. INCHES	Polyon™ Hose Series	FITTING REFERENCE	PAGE
FC902-00-Length Designation	2	0.19	FC372-03	SWAGE/CRIMP Swage	135
FC902-01-Length Designation	2	0.25	FC372-04		
FC902-02-Length Designation	2	0.31	FC372-05		
FC902-03-Length Designation	2	0.38	FC372-06	Crimp** Skive Nipples Sockets	74
FC902-04-Length Designation	2	0.50	FC372-08		72
FC902-05-Length Designation	2	0.75	FC372-12	REUSABLE FITTINGS Sockets	153
FC902-06-Length Designation	2	1.00	FC372-16		73

Construction: Two Aeroquip SAE 100R7 thermoplastic hoses permanently joined.

Application: Hydraulic system service with petroleum, fire-resistant and water-base fluids, pneumatic, fuel, and lubricating systems. For more information on specified applications and high temperature ranges, see pages 400-404.

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).

For complete Agency Listings: See pages 397-398.

† -40°F to +200°F (40°C to +93°C) for flexing applications.

**No skiving of cover needed.

Accessories and Assembly Instructions see page 346.

FC901

Polyon™/Thermoplastic Twin-line SAE 100R7 Nonconductive



Part Number	Number of Hoses	Hose I.D. INCHES	Polyon™ Hose Series	FITTING REFERENCE	PAGE
FC901-00-Length Designation	2	0.19	FC373-03	SWAGE/CRIMP	135
FC901-01-Length Designation	2	0.25	FC373-04	Swage	
FC901-02-Length Designation	2	0.31	FC373-05	Crimp**	74
FC901-03-Length Designation	2	0.38	FC373-06	Skive Nipples	72
FC901-04-Length Designation	2	0.50	FC373-08	Sockets	153
FC901-05-Length Designation	2	0.75	FC373-12	REUSABLE FITTINGS	73
FC901-06-Length Designation	2	1.00	FC373-16	Sockets	

Construction: Two Aeroquip SAE 100R7 Nonconductive thermoplastic hoses permanently joined.

Application: Hydraulic system service with petroleum, fire-resistant and water-base fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404. For nonconductivity information see item 8 on page 408.

Operating Temperature Range: -65°F to +200°F† (-54°C to +93°C). Water not to exceed +150°F (+66°C).

For complete Agency Listings: See pages 397-398.

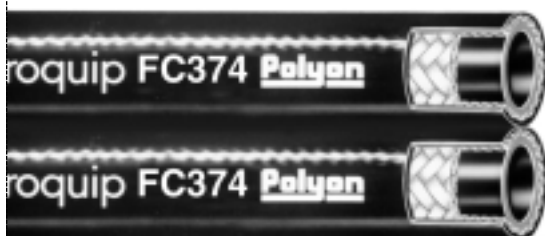
†-40°F to +200°F (-40°C to +93°C) for flexing applications.

**No skiving of cover needed.

*Accessories and Assembly
Instructions see page 346.*

FC914

Polyon™/Thermoplastic Twin-line SAE 100R8



Part Number	Number of Hoses	Hose I.D. INCHES	Polyon™ Hose Series	FITTING REFERENCE	PAGE
FC914-00-Length Designation	2	0.19	FC374-03	SWAGE/CRIMP	135
FC914-01-Length Designation	2	0.25	FC374-04	Accessories and Assembly	
FC914-03-Length Designation	2	0.38	FC374-06	Instructions see page 346.	
FC914-04-Length Designation	2	0.50	FC374-08		
FC914-05-Length Designation	2	0.75	FC374-12		
FC914-06-Length Designation	2	1.00	FC374-16		

Construction: Two Aeroquip SAE 100R8 thermoplastic hoses permanently joined.

Application: Hydraulic system service with petroleum, fire-resistant and water-base fluids, pneumatic, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

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).

For complete Agency Listings: See pages 397-398.

†-40°F to +200°F (-40°C to +93°C) for flexing applications.

FC916

Polyon™/Thermoplastic Twin-line
SAE 100R8 Nonconductive



Part Number	Number of Hoses	Hose I.D.	Polyon™ Hose Series	FITTING REFERENCE	PAGE
		INCHES		SWAGE/CRIMP	135
FC916-00-Length Designation	2	0.19	FC375-03	<i>Accessories and Assembly Instructions see page 346.</i>	
FC916-01-Length Designation	2	0.25	FC375-04		
FC916-03-Length Designation	2	0.38	FC375-06		
FC916-04-Length Designation	2	0.50	FC375-08		
FC916-05-Length Designation	2	0.75	FC375-12		
FC916-06-Length Designation	2	1.00	FC375-16		

Construction: Two Aeroquip SAE 100R8 thermoplastic nonconductive hoses permanently joined.

Application: Hydraulic system service with petroleum, fire-resistant and water-base fluids, fuel and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 400-404. For nonconductivity information, see item 8 page 408.

Operating Temperature Range: -65°F to +200°F† (-54°C to +93°C). Water not to exceed +150°F (+66°C).

For complete Agency Listings: See pages 397-398.

†-40°F to +200°F (-40°C to +93°C) for flexing applications.

Important: Cut lengths of twin-line hoses should be ordered as shown below by specifying the length in inches:

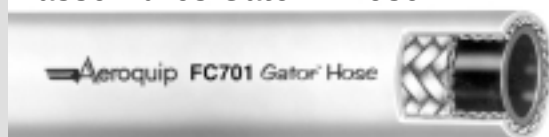
Example: FC902-00-00484

Hose Type Cut Length (in inches) last digit is in 1/8ths of an inch 00484=48 7/8 inches

Aeroquip hose part #'s FC372, FC373, FC374, FC375, FC376 and FC377 can be permanently joined to form twin-line or multi-line hose designs. The above twin-line part #'s are the typical standard designs. If you would like to mate multiple pressure hoses in one design, please contact Eaton Aeroquip.

FC701

Sewer cleaning hose
assemblies Gator™ hose



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS	SWAGE	139
#								<i>Accessories and Assembly Instructions see page 346.</i>	
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		

Construction: Blue thermoplastic tube, single braid, polyester reinforcement and an orange ether-based polyurethane cover.

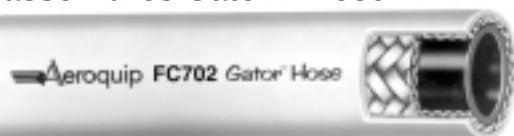
Application: High pressure sewer cleaning. For more information on specified applications and high temperature ranges, see pages 400-404.

Operating Temperature Range: -40°F to +150°F (-40°C to +66°C).

For complete Agency Listings: See pages 397-398.

FC702

Sewer cleaning hose assemblies Gator™ hose



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
#	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS	SWAGE	139
FC702-12	.75	1.19	3000	7500	9.50		.29	Accessories and Assembly Instructions see page 346.	
FC702-16	1.01	1.41	3000	7500	12.00		.36		

Construction: Blue thermoplastic elastomer tube, single braid, high strength textile reinforcement and a blue ether-based polyurethane cover.

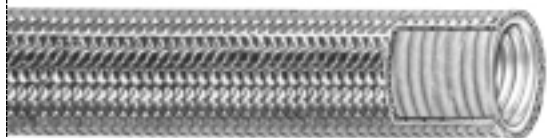
Application: High pressure sewer cleaning. For more information on specific applications and high temperature ranges, see pages 400-404.

Operating Temperature Range: -40°F to +150°F (-40°C to +66°C).

For complete Agency Listings: See pages 397-398.

FC363

Convuluted PTFE hose Nonconductive tube



Part Number	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Minimum Kink Radius	Vacuum Service	FITTING REFERENCE	PAGE
#	INCHES	INCHES	PSI	PSI	INCHES	INCHES	INCH/Hg	CRIMP FITTINGS	
FC363-08	.54	.74	1250†	5000	2.88	1.00	28	Crimp	142
FC363-12	.81	1.06	1100†	4400	3.75	2.00	28	Sockets	72
FC363-16	1.00	1.28	1000†	4000	5.00	2.50	24	Accessories and Assembly Instructions see page 346.	
FC363-20	1.24	1.53	1000†	4000	6.25	3.50	20		
FC363-24	1.52	1.81	750†	3000	7.50	4.50	12		
FC363-32	2.00	2.31	500†	2000	10.00	6.00	5		

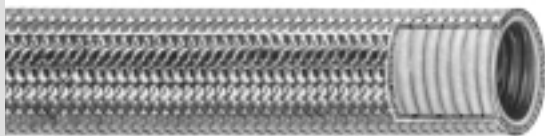
Construction: Convuluted PTFE tube with stainless steel single wire braid cover.

Application: Chemical, food, water and waste handling, and various transfer applications. Not recommended for steam-cold water cycling. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -65°F to +400°F (-54°C to +204°C).

For complete Agency Listings: See pages 397-398.

†Steam 200 psi at +388°F max. Engineering information is available for specific critical temperature requirements, contact Eaton Aeroquip.

FC364**Convuluted PTFE hose
Conductive**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum† Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Minimum Kink Radius INCHES	Vacuum Service INCH/Hg	FITTING REFERENCE	PAGE
#								CRIMP FITTINGS	
FC364-08	.54	.74	1250†	5000	2.88	1.00	28	Crimp	142
FC364-12	.81	1.06	1100†	4400	3.75	2.00	28	Sockets	72
FC364-16	1.00	1.27	1000†	4000	5.00	2.50	24	Accessories and Assembly Instructions see page 346.	
FC364-20	1.24	1.53	1000†	4000	6.25	3.50	20		
FC364-24	1.52	1.81	750†	3000	7.50	4.50	12		
FC364-32	2.00	2.31	500†	2000	10.00	6.00	5		
FC364-40	2.53	2.90	100	400	12.50	8.00	5		
FC364-48	3.04	3.48	100	400	15.00				

Construction: Convuluted conductive PTFE tube with stainless steel wire braid cover.**Application:** Steam lines and fuel transfer applications where static dissipation is required. Not recommended for steam-cold water cycling. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**Operating Temperature Range:** -65°F to +400°F (-54°C to +204°C).**For complete Agency Listings:** See pages 397-398.

†Steam 200 psi at +388°F max. Engineering information is available for specific critical temperature requirements, contact Eaton Aeroquip.

FC563**Convuluted PTFE hose
Nonconductive tube**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum† Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Minimum Kink Radius INCH/Hg	Vacuum Service INCH/Hg	FITTING REFERENCE	PAGE
#								CRIMP FITTINGS	
FC563-08	.54	.74	1250	5000	2.88	1.00	28	Crimp	142
FC563-12	.81	1.06	1100	4400	3.75	2.00	28	Sockets	72
FC563-16	1.00	1.28	1000	4000	5.00	2.50	24	Accessories and Assembly Instructions see page 346.	
FC563-20	1.24	1.53	1000	4000	6.25	3.50	20		
FC563-24	1.52	1.81	750	3000	7.50	4.50	10		
FC563-32	2.00	2.31	500	2000	10.00	6.00	7		

Construction: Convuluted PTFE tube with stainless steel single wire braid reinforcement and integral black polyester overbraid cover.**Application:** Chemical transfer and various chemical processing applications. Not recommended for steam or steam-cold water cycling. For more information on specific fluid applications and high temperature ratings, see pages 400-404.**Operating Temperature Range:** -65°F to +300°F (-54°C to +150°C).**For complete Agency Listings:** See pages 397-398.

FC186

PTFE hose



Part Number	Hose I.D.	Hose O.D.	Maximum† Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
#	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								Crimp	140
								Sockets	72
								REUSABLE FITTINGS	174
								Sockets	73
								Accessories and Assembly Instructions see page 346.	
FC186-04	.19	.30	1000	6000	2.00	28	.06		
FC186-05	.26	.37	1000	6000	3.00	28	.07		
FC186-06	.32	.43	1000	6000	4.00	28‡	.08		
FC186-08	.42	.54	750	4500	5.25	28‡	.10		
FC186-10	.51	.63	600	4000	6.50	28‡	.14		
FC186-12	.64	.76	600	4000	7.75	28‡	.16		

Construction: Extruded PTFE tube with stainless steel single wire braid.

Application: Hot air, steam, compressor discharge and most chemical applications. Not recommended for steam-cold water cycling. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -65°F to +400°F (-54°C to +204°C).

For complete Agency Listings: See pages 397-398.

† Steam 200 psi at +388°F max. Engineering information is available for specific critical temperature requirements. Contact Eaton Aeroquip.

‡ Maximum negative pressure for -.06 and larger are suitable for hose which has suffered no external damage or kinking. If greater negative pressures are required for -.06 and larger hoses, the use of an internal support coil is recommended. Use of an internal support coil in -.06 and larger PTFE hose is recommended for tube support where extended or continuous service at high temperature together with low or negative pressure is expected.

2807

PTFE hose

SAE 100R14A



Part Number	Hose I.D.	Hose O.D.	Maximum† Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
#	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
								CRIMP FITTINGS	
								Crimp	140
								Sockets	72
								REUSABLE FITTINGS	174
								Sockets	73
								Accessories and Assembly Instructions see page 346.	
2807-3	.14	.25	3000	12000	1.50	28	.04		
2807-4	.19	.30	3000	12000	2.00	28	.06		
2807-5	.26	.37	3000	12000	3.00	28	.08		
2807-6	.32	.43	2500	10000	4.00	28‡	.10		
2807-8	.42	.54	2000	8000	5.25	28‡	.12		
2807-10	.51	.63	1500	6000	6.50	28‡	.16		
2807-12	.64	.76	1200	4800	7.75	28‡	.18		
2807-16	.88	1.03	1000	4000	9.00	12‡	.26		
2807-20	1.12	1.29	625	2500	16.00	12‡	.34		

Construction: Extruded PTFE tube with stainless steel single wire braid.

Application: Hot air, steam, compressor discharge and most chemical applications. Not recommended for steam-cold water cycling. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -100°F to +500°F (-73°C to +260°C).

For complete Agency Listings: See pages 397-398.

† Steam 200 psi at +388°F max. Engineering information is available for specific critical temperature requirements. Contact Eaton Aeroquip.

‡ Maximum negative pressure for -.06 and larger are suitable for hose which has suffered no external damage or kinking. If greater negative pressures are required for -.06 and larger hoses, the use of an internal support coil is recommended. Use of an internal support coil in -.06 and larger PTFE hose is recommended for tube support where extended or continuous service at high temperature together with low or negative pressure is expected.

FC645**PTFE hose****Conductive SAE 100R14B performance**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum† Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE PAGE
FC645-06	.32	.51	2500	10000	4.00	28‡	.10	

Construction: Conductive extruded black PTFE tube with stainless steel single black wire braid abrasion resistant engine hose.

Application: Steam, compressor discharge and most chemical applications. Not recommended for steam-cold water cycling. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -100°F to +300°F (-73°C to +150°C).

For complete Agency Listings: See pages 397-398.

†Steam 200 psi at +388°F max. Engineering information is available for specific critical temperature requirements. Contact Eaton Aeroquip.

‡Maximum negative pressure is suitable for hose which has suffered no external damage or kinking. If greater negative pressures are required, the use of an internal support coil is recommended. Use of an internal support coil in -06 PTFE hose is recommended for tube support where extended or continuous service at high temperature together with low or negative pressure is expected.

CRIMP FITTINGS

Contact Aeroquip for Fitting Information, Factory Crimp Only

Accessories and Assembly Instructions see page 346.

FC465**PTFE hose****Conductive SAE 100R14B**

Part Number	Hose I.D. INCHES	Hose O.D. INCHES	Maximum† Operating Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius INCHES	Vacuum Service INCH/Hg	Weight Per Foot POUNDS	FITTING REFERENCE PAGE
FC465-03	.14	.25	3000	12000	1.50	28	.04	
FC465-04	.19	.30	3000	12000	2.00	28	.06	
FC465-05	.26	.37	3000	12000	3.00	28	.08	
FC465-06	.32	.43	2500	10000	4.00	28‡	.10	
FC465-08	.42	.54	2000	8000	5.25	28‡	.12	
FC465-10	.51	.63	1500	6000	6.50	28‡	.16	
FC465-12	.64	.76	1200	4800	7.75	28‡	.18	
FC465-16	.88	1.03	1000	4000	9.00	12‡	.26	
FC465-20	1.12	1.29	625	2500	16.00	12‡	.34	

Construction: Conductive extruded black PTFE tube with stainless steel single wire braid.

Application: Steam, compressor discharge and most chemical applications. Not recommended for steam-cold water cycling. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -100°F to +500°F (-73°C to +260°C).

For complete Agency Listings: See pages 397-398.

†Steam 200 psi at +388°F max. Engineering information is available for specific critical temperature requirements. Contact Eaton Aeroquip.

‡Maximum negative pressure for -06 and larger are suitable for hose which has suffered no external damage or kinking. If greater negative pressures are required for -06 and larger hoses, the use of an internal support coil is recommended. Use of an internal support coil in -06 and larger PTFE hose is recommended for tube support where extended or continuous service at high temperature together with low or negative pressure is expected.

CRIMP FITTINGS

Crimp 140

Sockets 72

REUSABLE FITTINGS 174

Sockets 73

Accessories and Assembly Instructions see page 346.

2808

PTFE hose



Part Number	Hose I.D.	Hose O.D.	Maximum† Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								REUSABLE FITTINGS	175
2808-8	.42	.58	2750	11000	4.62	28‡	.20	Sockets	73
2808-10	.51	.68	2500	10000	5.50	28‡	.26	Accessories and Assembly Instructions see page 346.	
2808-12	.64	.81	1750	7000	6.50	20‡	.30		
2808-16	.88	1.09	1500	6000	7.38	15‡	.44		
2808-20	1.12	1.35	1125	4500	11.00	15‡	.57		
2808-24	1.38	1.62	800	3200	14.00	15‡	.70		

Construction: Extruded PTFE tube with double stainless steel braids.

Application: Hot air, steam and most chemical applications. Not recommended for steam-cold water cycling. For more information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -100°F to +500°F (-73°C to +260°C).

For complete Agency Listings: See pages 397-398.

† Steam 200 psi at +388°F max. Engineering information is available for specific critical temperature requirements. Contact Eaton Aeroquip.
‡ Maximum negative pressure for -.08 and larger are suitable for hose which has suffered no external damage or kinking. If greater negative pressures are required for -.08 and larger hoses, the use of an internal support coil is recommended. Use of an internal support coil in -.08 and larger PTFE hose is recommended for tube support where extended or continuous service at high temperature together with low or negative pressure is expected.

FC469

PTFE hose

Conductive



Part Number	Hose I.D.	Hose O.D.	Maximum† Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Vacuum Service	Weight Per Foot	FITTING REFERENCE	PAGE
	INCHES	INCHES	PSI	PSI	INCHES	INCH/Hg	POUNDS		
#								CRIMP FITTINGS	
FC469-06	.30	.48	4000	16000	2.50	28‡	.17	Contact Aeroquip for fitting information.	
FC469-08	.39	.61	4000	16000	2.88	28‡	.24	Accessories and Assembly Instructions see page 346.	
FC469-10	.49	.72	3500	14000	3.25	28‡	.29		

Construction: Conductive extruded PTFE tube with stainless steel single wire braid.

Application: High pressure chemical and fluid transfer. For information on specific fluid applications and high temperature ratings, see pages 400-404.

Operating Temperature Range: -65°F to +400°F (-54°C to +204°C).

For complete Agency Listings: See pages 397-398.

† Steam 200 psi at +388°F max. Engineering information is available for specific critical temperature requirements. Contact Eaton Aeroquip.
‡ Use of an internal support coil in -.06 and larger PTFE hose is recommended for tube support where extended or continuous service at high temperature together with low or negative pressure is expected.