

B9 - General Purpose Fuel Transfer Hose

250 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		Field Attachable Fitting	
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	re
B903	3/16	5	0.38	10	250	1.72	1	25.4	0.04	0.059	55	53-69		
B904	1/4	6	0.45	11	250	1.72	1-1/2	38.1	0.05	0.074			82	*
B905	5/16	8	0.54	14	250	1.72	2	50.8	0.08	0.118	55	53-69		
B906	3/8	10	0.63	16	250	1.72	3	76.2	0.09	0.133			82	*
B908	1/2	13	0.77	20	250	1.72	3	76.2	0.13	0.192			82	*
B910	5/8	16	0.92	23	250	1.72	4	101.6	0.2	0.296			82	*

Min. Burst Pressure is 4x Max. Working Pressure

*Available from Hose Products Division N/A = Not Available

Tube: Specially formulated fuel resistant Urethane

Reinforcement: Fiber

Cover: Same as Core

Cover Color: Red

Temperature Range: -40°F to +200°F
-40°C to +93°C

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2%

Note: 82 series push-on coupling is not recommended where pressure and/or temperature exceeds +100F and 100 PSI.

Applications/Markets:

Low pressure transmission of oil, air, water and coolants where operation pressures do not exceed 250 PSI.

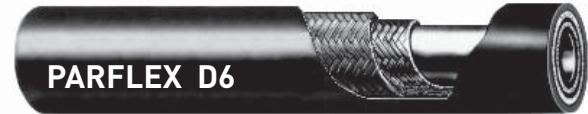
Special Features:

Highly flexible

D6 - Hybrid Hose

Exceeds SAE 100R17

3000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg
D604	1/4	6	.50	13	3000	20.7	2.0	51	.12	.18	HY*	112-128	P0580
D606	3/8	10	.66	17	3000	20.7	2.5	64	.23	.34	HY*	112-128	P0740
D608	1/2	13	.80	20	3000	20.7	3.5	89	.29	.43	HY*	112-128	P0870
D610**	5/8	16	1.00	25	3000	20.7	4.0	102	.47	.70	HY*	112-128	P1405
D612**	3/4	19	1.18	30	3000	20.7	4.8	122	.73	1.08	HY*	112-128	P1220
D616**	1	25	1.48	38	3000	20.7	6.0	152	1.01	1.49	HY*	112-128	P1525

Min. Burst Pressure is 4x Max. Working Pressure

*Available from Hose Products Division

Tube: Polyester

Reinforcement: 1 or 2** braids of high tensile steel wire

Cover: Smooth synthetic rubber-MSHA approved

Cover Color: Black

Temperature Range: -40°F to +250°F*
-40°C to +121°C*

Applications/Markets:

Industrial medium pressure hydraulic applications where a maximum 3000 PSI working pressure is required.

Special Features:

Ideally suited for inventory consolidations to cover all SAE 100R1 pressure and many SAE 100R2 pressure requirements.

*Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: +2% / -4%

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.



H6 - Hydraulic Hose

SAE 100R17 Performance

3000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
H604	1/4	6	.48	12	3000	20.7	2.0	51	.12	.18	HY*	112-128	P0550
H605	5/16	8	.55	14	3000	20.7	2.3	58.4	.14	.21	HY*	112-128	P0635
H606	3/8	10	.64	16	3000	20.7	2.5	64	.19	.28	HY*	112-128	P0705
H608	1/2	13	.77	20	3000	20.7	3.5	89	.29	.43	HY*	112-128	P0845
H610**	5/8	16	.99	25	3000	20.7	4.0	102	.47	.70	HY*	112-128	P1045
H612**	3/4	19	1.16	30	3000	20.7	4.8	122	.69	1.03	HY*	112-128	P1195

Min. Burst Pressure is 4x Max. Working Pressure

*Available from Hose Products Division

- Tube:** Polyester
- Reinforcement:** 1 or 2** braid of high tensile steel wire
- Cover:** Polyester
- Cover Color:** Black
- Temperature Range:** -70°F to +250°F* (H604 thru H608)
-56°C to +120°C*
-50°F to +250°F* (H610 thru H612)
-45°C to +120°C*
- Vacuum Rating:** 28 inch Hg

[Delta] Working Length @ Rated WPSI: +2% / -4%

Applications/Markets:

Industrial medium pressure hydraulic applications where a maximum 3000 PSI working pressure is required
Ideally suited for inventory consolidations to cover all SAE 100R1 pressure and many SAE 100R2 pressure and abrasion requirements

Special Features:

Excellent abrasion resistance over rough surfaces

* Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.



HFS - Firescreen® Hybrid Hose

Exceeds SAE 100R1AT

1250-3000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die	Field Attachable Fitting	
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die	re
HFS04	1/4	6	.50	13	3000	20.7	2.0	51	.12	.18	HY*	112-128	P0580	BA	105-107
HFS05	5/16	8	.58	15	3000	20.7	2.3	58.4	.17	.25	HY*	112-128	P0665	N/A	
HFS06	3/8	10	.66	17	2500	17.24	2.5	64	.19	.28	HY*	112-128	P0740	BA	105-107
HFS08	1/2	13	.77	20	2500	17.24	3.5	89	.25	.37	HY*	112-128	P0845	BA	105-107
HFS12	3/4	19	1.05	27	1500	10.34	5.0	127	.37	.55	HY*	112-128	P1130	N/A	
HFS16	1	25	1.35	34	1250	8.6	10.0	254	.53	.79	HY*	112-128	P1395	N/A	

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: One braid of high tensile steel wire
Cover: Smooth synthetic rubber-MSHA approved
Cover Color: Black
Temperature Range: -40°F to +250°F*
 -40°C to +121°C*

*Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: +2%/-4%

*Available from Hose Products Division N/A = Not Available

Applications/Markets:

High temperature (to +250°F), medium pressure hydraulic lines on mobile equipment, machine tools, farm machinery, and other industrial applications

Special Features:

Pressures and temperatures above comparable SAE 100R1 requirements
 Compact design

HFS2 - Firescreen II® Hybrid Hose

SAE 100R2/100R16 Performance

2000-5000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die	Field Attachable Fitting	
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die	re
HFS204**	1/4	6	.56	14	5000	34.5	2.0	50.8	.21	.31	HY*	112-128	P0625	BA	105-107
HFS206	3/8	10	.66	17	4000	27.6	2.5	63.5	.23	.34	HY*	112-128	P0740	BA	105-107
HFS208	1/2	13	.80	20	3500	24.1	3.5	88.9	.29	.43	HY*	112-128	P0870	BA	105-107
HFS210	5/8	16	.95	24	2750	19.0	4.0	101.6	.38	.57	HY*	112-128	P1015	N/A	
HFS212	3/4	19	1.08	27	2250	15.5	4.8	121.9	.45	.67	HY*	112-128	P1150	BA	105-107
HFS216**	1	25	1.43	36	2000	13.8	6.0	152.4	.80	1.19	HY*	112-128	P1450	BA	105-107

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: 1 or 2** braids of high tensile steel wire
Cover: Smooth synthetic rubber-MSHA approved
Cover Color: Black
Temperature Range: -40°F to +212°F*
 -40°C to +100°C*

*Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: +2% / -4%

*Available from Hose Products Division N/A = Not Available

Applications/Markets:

High pressure (similar to SAE 100R2) hydraulic lines on off-road construction equipment, machine tools, mining equipment, and other industrial applications

Special Features:

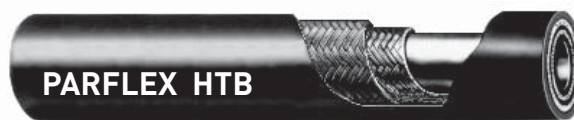
Light Weight
 Compact

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.



Hydraulic & Pneumatic Hose & Fit.
 PTFE Hose & Fittings
 Thermoplastic Tubing
 Coiled Air Hose, Fittings & Accessories
 Truck (Fleet) Products
 Tooling & Equipment
 Hose Accessories
 Technical & Design Information
 Approvals & Guides
 Alphanumeric Index

HTB - Eliminator® Hybrid Hose 4-Spiral Wire Performance 3500-7000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting	80C Crimp Die
	#											
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	crimp die
HTB04	1/4	6	.60	15	7000	48.3	4.0	102	.27	.40	HY	† see crimp source
HTB06	3/8	10	.74	19	5500	37.9	6.0	152	.37	.55	43*	A06
HTB08	1/2	13	.88	22	5000	34.5	7.0	178	.46	.69	43*	A08
HTB10	5/8	16	1.01	26	4000	27.6	8.0	203	.52	.77	43*	A10
HTB12	3/4	20	1.18	30	4000	27.6	9.5	241	.73	1.1	43*	A12
HTB16	1	25	1.48	38	3500	24.0	12.0	305	1.01	1.5	43*	A16

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: Two braids of high tensile steel wire
Cover: Smooth synthetic rubber-MSHA approved
Cover Color: Black
Temperature Range: -40°F to +212°F
 -40°C to +100°C

(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: +2% / -4%

Applications/Markets:

High pressure hydraulic applications where spiral wire reinforced hose might normally be used.

Special Features:

Eliminator offers 4-spiral wire hose performance in a high tensile two-wire braid construction. Provides excellent flexibility, light weight, consistent long length patterns, and excellent value versus comparable SAE 100R9 and SAE 100R12 spiral reinforced hoses.

***HTB HOSE REQUIRES "A" SERIES PARKER DIES AND BLACK DIE RING**

Series 43 fittings, dies and black die ring available from Parker Hose Products Division

† **Note:** HTB04 requires Skiving Hose

M8 - E-Z FLEX® Hybrid Hose SAE 100R12 Performance 4000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting	80C Crimp Die
	#											
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	crimp die
M806	3/8	10	.74	19	4000	27.6	2.5	64	.37	.55	43*	M0850
M808	1/2	13	.88	22	4000	27.6	3.5	89	.46	.69	43*	M1010
M810	5/8	16	1.05	27	4000	27.6	4.0	102	.63	.94	43*	M1170

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: Two braids of high tensile steel wire
Cover: Smooth synthetic rubber-MSHA approved
Cover Color: Black
Temperature Range: -40°F to +250°F
 -40°C to +121°C

(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: +2% / -4%

Applications/Markets:

High pressure hydraulic applications where spiral wire reinforced hose might normally be used

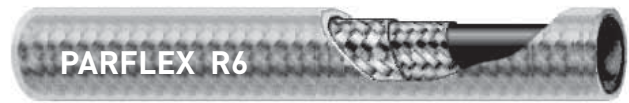
Special Features:

4-spiral wire pressures with two wire construction. Provides excellent flexibility, consistent long length patterns, and excellent value versus comparable SAE 100R9 and SAE 100R12 4-spiral wire reinforced hoses

***Series 43 fittings available from Parker Hose Products Division Silver Die Ring Required & Available from Parker Parflex**

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.

R6 - Abrasion King® Hose SAE 100R17 Performance 3000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
R604	1/4	6	.51	13	3000	20.7	2.0	51	.11	.16	HY*	112-128	P0570
R606	3/8	10	.69	17	3000	20.7	2.5	64	.20	.30	HY*	112-128	P0740
R608	1/2	13	.82	21	3000	20.7	3.5	89	.27	.40	HY*	112-128	P0870
R610**	5/8	16	1.07	27	3000	20.7	4.0	102	.51	.76	HY*	112-128	P1100
R612**	3/4	19	1.23	31	3000	20.7	4.8	122	.71	1.1	HY*	112-128	P1245
R616**	1	25	1.53	39	3000	20.7	6.0	152	1.00	1.49	43*		M1600

Min. Burst Pressure is 4x Max. Working Pressure

- Tube:** Polyester
- Reinforcement:** 1 or 2** braids of high tensile steel wire
- Cover:** Abrasion resistant nylon fabric
- Cover Color:** Black with blue plait
- Temperature Range:** -50°F to +250°F
-46°C to +121°C

(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

- Vacuum Rating:** 28 inch Hg
- (Delta) Working Length @ Rated WPSI:** ±3%

Applications/Markets:

Industrial medium pressure hydraulic applications where a maximum 3000 PSI working pressure required
Covers all SAE 100R1 pressure and many SAE 100R2 pressure and abrasion requirements

Special Features:

Excellent abrasion resistance, especially over irregular surfaces or hose-to-hose, and the blue plait provides easy identification
Old part numbers were R612A/ R616A—no change in performance or product design.

*Series HY & 43 fittings available from Parker Hose Products Division

Note: The above hose is not intended for use in static discharge applications; i.e., airless paint spray.

Hydraulic & Pneumatic Hose & Fit.

PTFE Hose & Fittings

Thermoplastic Tubing

Coiled Air Hose, Fittings & Accessories

Truck (Fleet) Products

Tooling & Equipment

Hose Accessories

Technical & Design Information

Approvals & Guides

Alphanumeric Index

560 - General Hydraulic Hose Meets or Exceeds SAE 100R1 1750 to 3500 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
#													
560-3	3/16	5	0.42	11	3500	24.13	3/4	19	.071	.106	55	53-77	P03
560-4	1/4	6	0.51	13	3250	22.41	1-3/4	44	.098	.146	55	53-77	P04
560-5	5/16	8	0.57	14	3000	20.68	2	51	.124	.185	55	53-77	P05
560-6	3/8	10	0.64	16	2750	18.96	2-1/4	57	.150	.224	55	53-77	P06
560-8	1/2	13	0.80	20	2500	17.24	3-1/4	83	.202	.301	55	53-77	P08J
560-10	5/8	16	0.93	24	2000	13.79	6	152	.298	.444	55	53-77	P10
560-12	3/4	19	1.12	28	1750	12.07	7	178	.406	.605	58	78-102	P12H

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: Wire braid
Cover: Urethane
Cover Color: Black non perforated
Temperature Range: -40°F to +250°F*
 -40°C to +121°C*

*Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2% Max

Applications/Markets:

Hydraulic circuits and systems wherever 100R1 hose is specified. Most synthetic hydraulic fluids, water and wide range of chemicals, industrial equipment, machine tools

Special Features:

Twin or multi-line available. Lighter and smaller than 100R1 with longer lengths
 Fast response hose

563 - General Hydraulic Hose 3000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
#													
563-4	1/4	6	0.49	12	3000	20.68	2	50.8	0.121	0.179	HY*	112-128	P04J
563-6	3/8	10	0.65	17	3000	20.68	2-1/2	63.5	0.19	0.281	HY*	112-128	P0715
563-8	1/2	13	0.78	20	3000	20.68	3-1/2	88.9	0.29	0.429	HY*	112-128	P0845

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: High Tensile Steel Wire Braid
Cover: Urethane
Cover Color: Black Non Perforated
Temperature Range: -40°F to +250°F (212F for size -8)
 -40°C to +121°C (100C for size -8)

(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2%

Applications/Markets:

Industrial medium pressure hydraulic applications where a maximum 3000 PSI wp is required

Special Features:

Covers all SAE 100R1 and many SAE 100R2 pressure requirements

*Series HY fittings available from Parker Hose Products Division

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.



590 - General Hydraulic Hose Meets or Exceeds SAE 100R2/100R16 2000 to 5000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
590-3	3/16	5	0.43	11	5000	34.47	1-1/2	38	.102	.152	55	53-77	P03
590-4	1/4	6	0.51	13	5000	34.47	1-3/4	44	.138	.206	55	53-77	P04
590-6	3/8	10	0.64	16	4000	27.58	2-1/4	57	.194	.289	55	53-77	P06
590-8	1/2	13	0.80	20	3500	24.13	3-1/4	82	.250	.373	55	53-77	P08J
590-10	5/8	16	0.97	25	3000	20.68	6	152	.386	.575	58	78-102	P10H
590-12	3/4	19	1.11	28	2500	17.24	7	178	.446	.665	58	78-102	P12H
590-16	1	25	1.42	36	2000	13.79	8	203	.592	.882	58	78-102	P16J

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: Aramid fiber, high tensile wire braid
Cover: Urethane
Cover Color: Black Non Perforated
Temperature Range: -40°F to +250°F
 -40°C to +121°C

(Limited to +135°F [+57°C] for synthetic hydraulic fluids and water-based fluids)

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2% Max

Applications/Markets:

Construction equipment, machine tools, hydrostatic transmissions, refuse vehicles and agriculture equipment.

Special Features:

Two wire strength, one wire construction, improved bend radius results
 Twin and multi-line available.

593 - General Hydraulic Hose Meets or Exceeds SAE 100R2 3000 to 3250 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
593-12	3/4	20	1.12	29	3000	20.68	7	177.8	.470	.700	LV	41	80C-P12L
593-16	1	25	1.45	37	3250	22.41	8	203.2	.687	1.024	LV	41	83C-P16L

Min. Burst Pressure is 4x Max. Working Pressure

Tube: 16 Nylon- 12 Polyester
Reinforcement: Wire braid
Cover: Urethane
Cover Color: Black (non perforated)
Temperature Range: -40°F to +212°F
 -40°C to +100°C

Limited to +135°F [+57°C] for synthetic hydraulic fluids (size-12 only) and water-based fluids.

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2% Max

Applications/Markets:

General hydraulic service

Special Features:

Works with synthetic hydraulic fluids, water and a range of chemicals
 Two wire strength with one braid flexibility

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.

510A - Refrigerant Hose

Meets or Exceeds SAE100R7

1000 to 3000 PSI



PTFE Hose & Fittings

Thermoplastic Tubing

Coiled Air Hose, Fittings & Accessories

Truck (Fleet) Products

Tooling & Equipment

Hose Accessories

Technical & Design Information

Approvals & Guides

Alphanumeric Index

Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die	Field Attachable Fitting	
	#														
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die	re	pg
510A-2 (+)	1/8	3	0.34	9	2500	17.24	1/2	13	.034	.051	57	53-77	P02H	N/A	
510A-3	3/16	5	0.43	11	3000	20.68	2	51	.049	.077	55	53-77	P03	51	44-52
510A-4	1/4	6	0.47	12	2750	18.96	2-1/2	64	.052	.077	55	53-77	P04J	51	44-52
510A-5	5/16	10	0.57	20	2500	17.24	3	76	.077	.115	55	53-77	P05	51	44-52
510A-6	3/8	13	0.63	16	2250	15.51	4	102	.084	.125	55	53-77	P06	51	44-52
510A-8	1/2	16	0.81	21	2000	13.79	5-1/2	140	.131	.195	55	53-77	P08	51	44-52
510A-12	3/4	19	1.10	28	1250	8.62	7-1/2	191	.192	.286	N/A		N/A	51	44-52
510A-16 (+)	1	25	1.37	40	1000	6.90	10	254	.275	.410	N/A		N/A	51	44-52

Min. Burst Pressure is 4x Max. Working Pressure

N/A = Not Available

Tube: Proprietary nylon blend
Reinforcement: Fiber
Cover: Urethane
Cover Color: Black Perforated
Temperature Range: -40°F to +212°F
 -40°C to +100°C
Vacuum Rating: 28 inch Hg
(Delta) Working Length @ Rated WPSI: ±3% Max.
Applications/Markets:

Medium pressure service for both field attachable and permanent fittings
 Refrigerants: R12, R22, R134A and R502.
Special Features:
 Excellent impulse life
 Compatible with most common hydraulic and refrigeration fluids

*** 51 series field attachable couplings are not intended for use on hose that has previously been in service.**

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.



510C - General Hydraulic Hose Meets or Exceeds SAE 100R7 1000 to 3000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die	Field Attachable Fitting	
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die	re
510C-2 (+)	1/8	3	0.34	9	2500	17.24	1/2	13	.031	.046	57	53-77	P02H	N/A	
510C-3	3/16	5	0.42	11	3250	22.41	3/4	19	.046	.069	55	53-77	P03	**	
510C-4	1/4	6	0.47	12	3000	20.68	1-1/2	38	.052	.077	55	53-77	P04J	**	
510C-5	5/16	8	0.57	14	2500	17.24	1-3/4	44	.075	.112	55	53-77	P05	51	44-52
510C-6	3/8	10	0.63	16	2250	15.51	2	51	.096	.143	55	53-77	P06	51	44-52
510C-8	1/2	13	0.81	21	2250	15.51	3	76	.148	.221	55	53-77	P08	51	44-52
510C-10	5/8	16	0.98	25	1500	10.34	4	102	.200	.298	58	78-102	P10H	N/A	
510C-12	3/4	19	1.08	27	1250	8.62	6	152	.188	.280	55	53-77	P12	51	44-52
510C-16	1	25	1.32	34	1000	6.90	8	203	.269	.401	55	53-77	P16	51	44-52

Min. Burst Pressure is 4x Max. Working Pressure

N/A = Not Available

Tube: Polyester
Reinforcement: Fiber
Cover: Proprietary Blend (PFX)
Cover Color: Black, perforated
Temperature Range: -40°F to +212°F
 -40°C to +100°C

(Limited to +135°F [+57°C] for synthetic hydraulic fluids and water-based fluids)

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2% Max.

Applications/Markets:

Medium pressure service for permanent and field attachable fittings.

Special Features:

Superior abrasion resistance
 ** 3/16" and 1/4" working pressure reduced to 3,000 and 2,750 psi respectively when using field attachable couplings

515H - Compact/Light Weight Hose 1500 to 2175 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m
515H-3	3/16	5	0.33	8	2175	15.00	3/4	19	.029	.043	54*
515H-4	1/4	6	0.41	10	2000	13.79	1-1/2	38	.035	.052	54*
515H-5	5/16	8	0.49	12	1750	12.07	1-3/4	44	.049	.073	54*
515H-6	3/8	10	0.56	14	1500	10.34	2	51	.052	.077	54*
515H-8	1/2	13	0.71	18	1500	10.34	3	76	.106	.158	54*

Min. Burst Pressure is 4x Max. Working Pressure

(Delta) Working Length @ Rated WPSI: ±2% Max.

Tube: Polyester
Reinforcement: Fiber
Cover: Urethane
Cover Color: Black Perforated
Temperature Range: -40°F to +212°F
 -40°C to +100°C

(Limited to +135°F [+57°C] for synthetic hydraulic fluids and water-based fluids)

Vacuum Rating: 28 inch Hg

Applications/Markets:

Hydraulic and pneumatic systems where a small O.D. hose is necessary. Pilot lines and joystick controls

Special Features:

Lightweight, flexible, special order colors
 Twin or multi-line available

*** 51 series field attachable couplings are not intended for use on hose that has previously been in service.**

***Factory only assemblies**

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.



Hydraulic & Pneumatic Hose & Fit.
 PTFE Hose & Fittings
 Thermoplastic Tubing
 Coiled Air Hose, Fittings & Accessories
 Truck (Fleet) Products
 Tooling & Equipment
 Hose Accessories
 Technical & Design Information
 Approvals & Guides
 Alphanumeric Index

518C - Non-Conductive Hose SAE J517 ANSI A92.2 Meets or Exceeds SAE 100R7 1000 to 3000 PSI



PTFE Hose & Fittings

Thermoplastic Tubing

Coiled Air Hose, Fittings & Accessories

Truck (Fleet) Products

Tooling & Equipment

Hose Accessories

Technical & Design Information

Approvals & Guides

Alphanumeric Index

Part Number	I. D.		Max. O. D.		Max. Working Pressure ANSI A92.2		Max. Working Pressure SAE 100R7		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die	Field Attachable Fitting		
	#	inch	mm	inch	mm	wpsi	MPa	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die	re	pg
518C-2	1/8	3	0.34	9	3000	20.68	2500	17.24	1/2	13	.031	.046	57	53-77	P02H	N/A		
518C-3	3/16	5	0.42	11	3000	20.68	3250	20.68	3/4	19	.046	.069	55	53-77	P03	**		
518C-4	1/4	6	0.47	12	3000	20.68	3000	18.96	1-1/2	38	.052	.077	55	53-77	P04J	**		
518C-5	5/16	8	0.57	14	3000	20.68	2500	17.24	1-3/4	44	.075	.112	55	53-77	P05	51	42-50	
518C-6	3/8	10	0.63	16	3000	20.68	2250	15.51	2	51	.096	.143	55	53-77	P06	51	42-50	
518C-8	1/2	13	0.81	21	3000	20.68	2250	15.51	3	76	.148	.221	55	53-77	P08	51	42-50	
518C-10 (+)	5/8	16	0.98	25	2000	13.8	1500	10.34	4	102	.200	.298	58	78-102	P10H	N/A		
518C-12	3/4	19	1.08	27	1660	11.4	1250	8.62	6	152	.188	.280	55	53-77	P12	51	42-50	
518C-16	1	25	1.32	34	1330	9.2	1000	6.90	8	203	.269	.401	55	53-77	P16	51	42-50	

N/A = Not Available

Tube: Polyester
Reinforcement: Fiber
Cover: Proprietary Blend (PFX)
Cover Color: Orange, non-perforated
Temperature Range: -40°F to +212°F (-40°C to +100°C)
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
Vacuum Rating: N/A
(Delta) Working Length @ Rated WPSI: ±2% Max.

Applications/Markets:
 Medium pressure hydraulic service where both field attachable and permanent hydraulic circuit exposure and contact with high voltage may be encountered

Special Features:
 Twin or multi-line constructions available
 Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per ft. Meets or exceeds SAE 100R7 specifications and Ontario Hydro electrical standards
 Complies with ANSI A92.2 for vehicle-mounted aerial devices. High density braid for maximum impulse life without loss of flexibility

Note: Lay lines on this hose will have both ANSI and SAE maximum working pressures listed. ANSI A92.2-1990 "Vehicle Mounted Elevating and Rotating Aerial Devices."

** 3/16" and 1/4" working pressure reduced to 3,000 and 2,750 respectively when using field attachable (51 series) couplings.

Min. Burst Pressure:
 4:1 Design Factor is required if hose failure will result in movement of aerial device.
 3:1 Design Factor is acceptable if hose failure will not result in movement of aerial device.
 SAE requires 4:1 Design Factor.

*** 51 series field attachable couplings are not intended for use on hose that has previously been in service.**

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.
 (+) Non Standard. See page ii for information on non-standard products.



520N - General Hydraulic Hose Meets or Exceeds SAE 100R8 2750 to 5000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
520N-3	3/16	5	0.43	11	5000	34.5	1-1/2	38	.05	.07	55	53-77	P03
520N-4	1/4	6	0.51	13	5000	34.5	2	51	.06	.09	55	53-77	P04
520N-5	5/16	8	0.57	14	4500	31.0	2-1/2	64	.07	.10	55	53-77	P05
520N-6	3/8	10	0.65	16	4000	27.6	2-1/2	64	.08	.12	55	53-77	P06
520N-8	1/2	13	0.81	21	3500	24.1	4	102	.13	.19	55	53-77	P08
520N-10 [+]	5/8	16	0.92	23	2750	19.0	6	152	.17	.25	55	53-77	P10

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Nylon
Reinforcement: Aramid fiber
Cover: Urethane
Cover Color: Black, perforated
Temperature Range: -40°F to +212°F
 -40°C to +100°C
Vacuum Rating: 28 inch Hg
(Delta) Working Length @ Rated WPSI: ±2% Max.

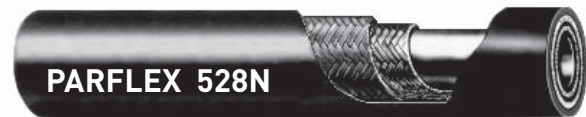
Applications/Markets:

Hydraulic and pneumatic circuits and systems
 Ideal in hot water applications
 Not recommended for use in over-the-sheave (pulley system) applications

Special Features:

Twin and multi-line available
 Fast response, lighter and smaller O.D. than 100R2 hose.

528N - Non-Conductive Hose Meets or Exceeds 100R8 2750 to 5000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
528N-3 [+]	3/16	5	0.43	11	5000	34.5	1-1/2	38	.05	.07	55	53-77	P03
528N-4	1/4	6	0.51	13	5000	34.5	2	51	.06	.09	55	53-77	P04
528N-5 [+]	5/16	8	0.57	14	4500	31.0	2-1/2	64	.07	.10	55	53-77	P05
528N-6	3/8	10	0.65	16	4000	27.6	2-1/2	64	.08	.12	55	53-77	P06
528N-8	1/2	13	0.81	21	3500	24.1	4	102	.13	.19	55	53-77	P08
528N-10	5/8	16	0.92	23	2750	19.0	6	152	.17	.25	55	53-77	P10

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Nylon
Reinforcement: Aramid fiber
Cover: Urethane
Cover Color: Orange, non-perforated
Temperature Range: -40°F to +212°F
 -40°C to +100°C
Vacuum Rating: 28 inch Hg
(Delta) Working Length @ Rated WPSI: ±3% Max.

Applications/Markets:

Hydraulic circuits and systems
 Ideal in hot water applications
 Not recommended for use in over-the-sheave (pulley system) applications

Special Features:

Twin and multi-line available
 Fast response, lighter and smaller O.D. than 100R2 hose.

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.

53DM - DuraMax™ Low Temperature Meets or Exceeds SAE 100R18 3000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		55/58 Crimp Fitting and Dies		HY Crimp Die
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	55/58 Crimp Die
53DM-3	3/16	5	0.425	10.79	3000	21.0	1.00	25	.056	.073	55	80C-P03	N/A
53DM-4	1/4	6	0.485	12.31	3000	21.0	1.25	32	.067	.100	55,HY	80C-P0550	80C-P0550
53DM-5	5/16	8	0.600	15.24	3000	21.0	2.00	51	.100	.149	58,HY	80C-P05R	80C-P05R
53DM-6	3/8	10	0.655	16.63	3000	21.0	2.00	51	.110	.164	55,HY	80C-P0705	80C-P0715
53DM-8	1/2	13	0.840	21.33	3000	21.0	3.50	89	.174	.260	55,HY	80C-P0870	80C-P0870
53DM-10	5/8	16	1.030	26.16	3000	21.0	4.00	102	.219	.327	58	80C-P1045	N/A
53DM-12* [+]	3/4	19	1.130	28.70	3000	21.0	6.50	165	.261	.388	58H	83C-P1258H	N/A

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: Fiber
Cover: Polyester
Cover Color: MatteBlack Perforated
Temperature Range: -70°F (-57°C) to +212°F (100°C)
 For use with water and water base hydraulic fluids to 150°F (65°C)

Vacuum Rating: 28 inch Hg
(Delta) Working Length @ Rated WPSI: ±2% Max.
 * 53DM-12 not for over the sheave

Applications/Markets:

Excellent over-the-sheave in lift truck applications
 Cold storage or refrigerated areas
 Construction and agriculture equipment in cold climates

Special Features:

Matte Jacket for low coefficient of friction
 Superior flexibility in cold temperature applications
 Better bend radius than SAE J517 and 100R7
 Smaller OD's than 100R7 and 100R18
 Light weight
 Wide range of fitting selection

53LT - Low Temperature Meets or Exceeds SAE 100R18 3000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg
53LT-3	3/16	5	0.43	11	3000	20.68	1-1/4	32	.049	.073	55	53-77	P03
53LT-4	1/4	6	0.51	13	3000	20.68	1-3/4	44	.067	.100	55	53-77	P04
53LT-5	5/16	8	0.61	16	3000	20.68	2.0	51	.104	.155	58	78-102	P05R
53LT-6	3/8	10	0.72	18	3000	20.68	3.0	76	.132	.197	58	78-102	P06FR
53LT-8	1/2	13	0.89	23	3000	20.68	3.5	89	.193	.288	58	78-102	P08H
53LT-10	5/8	16	1.00	25	3000	20.68	4.0	102	.242	.361	58	78-102	P10H
53LT-12	3/4	19	1.24	32	3000	20.68	5.0	127	.354	.527	58H	78-102	83C-P1258K

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: Fiber
Cover: Special Polyester Blend
Cover Color: Black Perforated
Temperature Range: -70°F to +212°F
 -57°C to +100°C

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2% Max.

Applications/Markets:

Excellent over-the-sheave (pulley systems), lift truck
 Cold storage or refrigerated areas
 Construction and agriculture equipment in cold climates

Special Features:

Superior flexibility in cold temperature applications

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.

538LT - Low Temperature Non-Conductive Meets or Exceeds 100R18



Meets SAE J517 for less than 50 micro-amps leakage under 75000 volts per ft.

Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
#													
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
538LT-3 (+)	1/5	5	0.43	11	3000	20.68	1-1/4	31.8	0.049	0.073	55	53-77	P03
538LT-4 (+)	1/4	6	0.51	13	3000	20.68	1-3/4	44.5	0.067	0.099	55	53-77	P04
538LT-5 (+)	1/3	8	0.61	16	3000	20.68	2	50.8	0.104	0.154	58	78-102	P05R
538LT-6 (+)	3/8	10	0.71	18	3000	20.68	3	76.2	0.132	0.195	58	78-102	P06FR
538LT-8 (+)	1/2	13	0.89	23	3000	20.68	3-1/2	88.9	0.193	0.286	58	78-102	P08H
538LT-10 (+)	5/8	16	1.00	25	3000	20.68	4	101.6	0.141	0.358	58	78-102	P10H
538LT-12 (+)	3/4	19	1.24	32	3000	20.68	5	127.0	0.354	0.524	58H	78-102	83C-P1258K

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: Fiber
Cover: Special Polyester Blend
Cover Color: Orange, non-perforated
Temperature Range: -70°F to +212°F
 -57°C to +100°C
Vacuum Rating: 28 inch Hg
(Delta) Working Length @ Rated WPSI: ±2% Max.

Applications/Markets:

Hydraulic systems on utility vehicles and equipment for constant working pressures. For locations around and in contact with high voltage.

Special Features:

Twin and multi-line available
 Optimum kink resistance
 Superior flexibility in cold temperature applications

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.

(+) Non Standard. See page ii for information on non-standard products.

540N - General Hydraulic Hose Meets or Exceeds SAE 100R7 1250 to 3000 PSI



PTFE Hose & Fittings

Thermoplastic Tubing

Coiled Air Hose, Fittings & Accessories

Truck (Fleet) Products

Tooling & Equipment

Hose Accessories

Technical & Design Information

Approvals & Guides

Alphanumeric Index

Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
540N-2	1/8	3	0.34	9	3000	20.68	1/2	13	.031	.046	57	53-77	P02H
540N-3	3/16	5	0.43	11	3000	20.68	3/4	19	.043	.064	55	53-77	P03
540N-4	1/4	6	0.51	13	2750	18.96	1-1/2	38	.057	.085	55	53-77	P04
540N-5	5/16	8	0.57	14	2500	17.24	1-3/4	44	.068	.101	55	53-77	P05
540N-6	3/8	10	0.65	16	2250	15.51	2	51	.086	.128	55	53-77	P06
540N-8	1/2	13	0.81	21	2000	13.79	3	76	.126	.188	55	53-77	P08
540N-12	3/4	19	1.06	27	1250	8.62	6	152	.168	.250	55	53-77	P12

Min. Burst Pressure is 4x Max. Working Pressure

- Tube:** Nylon
- Reinforcement:** Fiber
- Cover:** Matte finish urethane
- Cover Color:** Black, perforated
- Temperature Range:** -40°F to +212°F
-40°C to +100°C
- Vacuum Rating:** 28 inch Hg

[Delta] Working Length @ Rated WPSI: ±2% Max.

Applications/Markets:

Hydraulic and pneumatic systems. Excellent chemical compatibility, wide temperature range, agricultural spraying, urethane foam mixers, robotics, fire resistant fluid and hot water.

Special Features:

Special order colors. Twin or multi-line available. Greater range of fluid compatibility than SAE 100R1 hose.

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.

55LT - Low Temperature Hose Meets or Exceeds SAE 100R7 1250 to 3250 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
55LT-2	1/8	3	0.34	9	3000	20.68	1/2	13	.031	.046	57	53-77	P02H
55LT-3	3/16	5	0.43	11	3250	22.41	3/4	19	.053	.079	55	53-77	P03
55LT-4	1/4	6	0.51	13	3000	20.68	1-1/4	32	.067	.100	55	53-77	P04
55LT-5	5/16	8	0.57	14	2500	17.24	1-3/4	44	.085	.127	55	53-77	P05
55LT-6	3/8	10	0.65	16	2250	15.51	2	51	.096	.143	55	53-77	P06
55LT-8	1/2	13	0.81	21	2000	13.79	3	76	.143	.213	55	53-77	P08
55LT-12 (+)	3/4	19	1.09	28	1250	8.62	5	127	.206	.307	55	53-77	P12

Min. Burst Pressure is 4x Max. Working Pressure

- Tube:** Polyester
- Reinforcement:** Fiber
- Cover:** Special Polyester Blend
- Cover Color:** Black, perforated
- Temperature Range:** -70°F to +212°F
-57°C to +100°C

(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water based fluids.)

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2% Max.

Applications/Markets:

- Hydraulic systems exposed to very low temperatures
- Excellent over-the-sheave (pulley systems), lift truck
- Cold storage or refrigerated areas
- Construction and agriculture equipment in cold climates

Special Features:

- Twin and multi-line available
- Superior flexibility in cold temperature applications

573X - Fast Response Hose 3000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting	
	#											
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg
573X-3	3/16	5	0.35	9	3000	20.68	2	51	.030	.045	LV	41
573X-16	1	25	1.47	37	3000	20.68	10	25	.405	.603	LV	41

Min. Burst Pressure is 4x Max. Working Pressure

- Tube:** Nylon
- Reinforcement:** Aramid fiber
- Cover:** Urethane
- Cover Color:** Black non-perforated
- Temperature Range:** -40°F to +212°F
-40°C to +100°C

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2% Max.

Applications/Markets:

- Marine, offshore drilling
- Anywhere fast, accurate response time is required

Special Features:

- Fast response even over longer lengths
- Factory made assemblies only**

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.



575X - Fast Response Hose 5000 PSI Constant Pressure



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg
575X-3	3/16	5	0.43	11	5000	34.47	1.5	38	.050	.075	55	53-77	P03
575X-4	1/4	6	0.51	13	5000	34.47	2.0	51	.068	.101	55	53-77	P04
575X-6	3/8	10	0.64	16	5000	34.47	3.0	76	.090	.134	55	53-77	P06
575X-8	1/2	13	0.81	21	5000	34.47	4.0	102	.139	.207	55	53-77	P08
575X-12	3/4	19	1.15	29	5000	34.47	8.0	203	.241	.359	58H	78-102	83C-P1258H
575X-16	1	25	1.59	40	5000	34.47	10.0	254	.360	.536	58H	78-102	83C-P1658H

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Nylon

Reinforcement: Fiber

Cover: Urethane

Cover Color: Black, non-perforated

Temperature Range: -40°F to +212°F
-40°C to +100°C

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2% Max.

Applications/Markets:

Marine, offshore drilling

Anywhere fast, accurate response time is required

Special Features:

Fast response even over longer lengths

580N/H580N - High Pressure Hose Meets or Exceeds 100R8 2000 to 5000 PSI Pressure Range



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting	
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series
580N-4	1/4	6	0.62	16	5000	34.47	2.0	51	.118	.176	58	78-102
580N-6	3/8	10	0.77	20	4000	27.58	2.5	64	.15	.224	58	78-102
580N-8	1/2	13	0.89	23	3500	24.13	4.0	102	.206	.307	58	78-102
580N-10 (+)	5/8	16	0.98	25	2750	18.96	6.0	152	.21	.313	58	78-102
580N-12	3/4	19	1.16	29	2250	15.51	8.0	203	.232	.346	58	78-102
580N-16	1	25	1.48	38	2000	13.79	10.0	254	.376	.560	58	78-102
H580N-16	1	25	1.58	40	3000	20.68	10.0	254	.529	.788	58H	78-102

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Nylon

Reinforcement: Fiber

Cover: Abrasion resistant urethane*

Cover Color: Black, perforated

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

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: ±2%

* H580N-16 IS NOT COVER PERFORATED

Applications/Markets:

Hydraulic and pneumatic circuits and systems. Replaces 100R2 rubber hose wherever greater flexibility, fluid compatibility, and cover durability are required. Lighter weight and smaller O.D. than 100R2. Long lengths are available.

Special Features:

Meets or exceeds SAE 100R8 specifications.

588N - High Pressure, Non-Conductive Hose Meets or Exceeds 100R8 2000 to 5000 PSI Pressure Range



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting	
	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg
#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg
588N-4	1/4	6	.62	16	5000	34.47	2.0	51	.118	.176	58	78-102
588N-6	3/8	10	.77	20	4000	27.58	2.5	64	.150	.224	58	78-102
588N-8	1/2	13	.89	23	3500	24.13	4	102	.206	.307	58	78-102
588N-10	5/8	16	.98	25	2750	18.96	6	152	.210	.313	58	78-102
588N-12	3/4	19	1.16	29	2250	15.51	8	203	.232	.346	58	78-102
588N-16	1	25	1.48	38	2000	13.79	10	254	.376	.560	58	78-102

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Nylon
Reinforcement: Fiber
Cover: Abrasion resistant urethane
Cover Color: Orange, non-perforated
Temperature Range: -40°F to +212°F (-40°C to +100°C)
Vacuum Rating: 28 inch Hg
(Delta) Working Length @ Rated WPSI: ±2%

Special Features:

Meets SAEJ517 for less than 50 micro-amps leakage under 75000 volts per ft. Meets or exceeds SAE 100R8 specifications, and Ontario Hydro electrical standards.

Twin-line or multi-line constructions available.

Applications/Markets:

Hydraulic circuits and systems. Replaces 100R2 hose wherever greater flexibility, fluid compatibility, electrical nonconductivity, and cover durability are required. For hydraulic circuits and systems found on utility vehicles and equipment where exposure and contact with high voltage may be encountered.

Note: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.

83FR - DuraGard™ General Purpose Urethane 300 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die	Push-Lok Fitting*	
	#														
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die	re	pg
83FR-4	1/4	6	.47	12	300	2.1	1.0	25.4	.05	.07	HY*/55	112-128/53-77	P04	82	*
83FR-6	3/8	10	.59	15	300	2.1	2.0	50.8	.08	.12	HY*/55	112-128/53-77	P06	82	*
83FR-8	1/2	13	.75	19	300	2.1	2.5	63.5	.12	.18	HY*/55	112-128/53-77	P08J	82	*
83FR-12	3/4	19	1.03	26	300	2.1	3.5	88.9	.19	.28	HY*/55	112-128/53-77	P12	82	*

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Specially formulated urethane
Reinforcement: Fiber
Cover: Urethane MSHA approved
Cover Color: Blue, Green
 Black, Gray, Brown, Red
Temperature Range: -20°F to +200°F
 -29°C to +93°C
Vacuum Rating: 28 inch Hg
(Delta) Working Length @ Rated WPSI: ±2%

Applications/Markets:

General purpose air and water hose often used in robotic welding applications

Special Features:

Weld spatter resistance
 Extreme flexibility
 Non-conductive (SAEJ343)
 Excellent abrasion resistance
 Small bend radius
 * Note: Temperature and pressure reduced with 82 series
Push-Lok Fitting: * -20°F to +145°F
 * -29°C to +63°C
 175 Maximum working pressure

* Series HY & 82 fittings available from Hose Products Division

HJK - Highjack® Jackline Hybrid Hose 10,000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight	
	#									
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m
HJK04	1/4	6	.60	15	10000	69	4.0	101.6	.27	.40

Min. Burst Pressure is 3x Max. Working Pressure

Tube: Polyester
Reinforcement: 2 braids of high tensile wire
Cover: Smooth synthetic rubber-MSHA approved
Cover Color: Black
Temperature Range: -40°F to +150°F
 -40°C to +65°C

(Limited to +135°F [+57°C] for synthetic hydraulic fluids and water-based fluids)

Vacuum Rating: 28 inch Hg

(Delta) Working Length @ Rated WPSI: +2% / -4%

Applications/Markets:

Used for High Pressure Jackline applications. Not for high impulse applications

Special Features:

Meets IJ-100 requirements
Factory made assemblies only