Hose

Thermoplastic

Fluoropolymer

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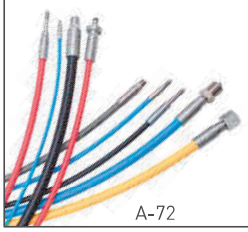
Parflex Specialty Hose Highlights

Metal Hose	Multitube®	polyflex
Standard, Ultra Flexible, and Ultra High Pressure	BOP Bundles, Electro-Hydraulic Umbilicals, and Hotlines	Ultra-High Pressure Thermoplastic Hose, Oil & Gas, Water Blast and Hydraulic Tool Hose
 A-70	 A-71	 A-72

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	 A-68		 A-68
	NCW Convoluted with Nomex Braid		NCB Static-Dissipative Convoluted w/Nomex Braid
	 A-69		 A-69

Understanding Parflex Hoses

Parflex hoses are designed to handle extremes. They are used in some of the harshest applications around, such as over-the-sheave or aerial lift, because they are specifically designed to handle extreme abrasion, temperatures, flexing, impulse and other factors that cause many hoses to fail.

Hydraulic & Pneumatic Hose Selection

Parflex offers several lines of hydraulic and pneumatic hoses; General Hydraulic, Specialty and Hybrid® hoses. Specialty hoses were designed to solve specific application problems. Hybrid® Hoses belong specifically to Parflex, with no exact competitor equivalents. These hoses were developed to cross typical SAE boundaries and meet specific challenges our customers were bringing to us. Some of these have the new, **TOUGH**JACKET™ abrasion resistant cover, offering 100x the abrasion protection of a regular polyurethane cover.

The visual index and hose pages indicate which hoses are Hybrid® and **TOUGH**JACKET™ designs.

Review the STAMPED guide (Size, Temperature, Media, Application, Pressure, End Configuration, and Delivery Preferences) on page 13 to help narrow your search for the desired product.

Fluoropolymer Selection

Parflex offers two lines of Fluoropolymer Hoses; the traditional Parflex PTFE hoses, many that meet 100R14 standards, and the PAGE hose line, comprised of specialty braid and construction options.

Hoses in PAGE product line are manufactured with materials that are compliant to the following standards:

FDA 21 CFR 177.1550
USP Class VI
ISO 10093, Sections 5, 6 10 and 11

The visual index and hose pages indicate which hoses are from the PAGE product line.

Hose Assemblies

To determine hose part numbers for assemblies use the following nomenclature pages:

- Parflex Thermoplastic Hose Assembly Nomenclature pg. A-18
- Parflex PTFE Hose Assembly Nomenclature pg. A-20
- PAGE Product Line - “True-Bore” & Convoluted Hose Assembly Nomenclature pg. A-21

How to Read the Hose Section

1	2		3		4		5		6		7
Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#									lbs	kg	
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
594TJ-4	1/4	6.3	0.49	12.5	4,061	28.0	1.75	45	0.13	0.19	56

Base part number example.

NOTE: The primary dimensions are in black. The metric/inch equivalents appear in blue.

1 Part Number

Hose Series Part Number - When two part numbers are listed, the second number is the static-dissipative or non-conductive design.

2 Inside Diameter

A critical value along with pressure when calculating fluid flow rate and pressure drop.

3 Outside Diameter

A critical measurement when considering hose fittings and applications where envelope size is limited.

4 Working Pressure

Working pressure rating must meet or exceed the maximum operating pressure of the system including pressure spikes.

5 Minimum Bend Radius

Minimum radius that the hose can be bent. Exceeding the bend radius can cause kinking, inner tube washout, or excessive stress on reinforcement resulting in shortened service life.

6 Weight

Provided where weight is a critical parameter in the design of the system.

7 Approved Fitting

Permanent or field attachable fitting series approved for selected hose. Products with no fitting selection are only available in factory built assemblies.

Hose Constructions

Thermoplastic Hose Construction

1. Core

Contains Media

Materials: Nylon, Polyethylene, Polyurethane, Copolyester

2. Reinforcement

Provides Resistance to Internal Pressure

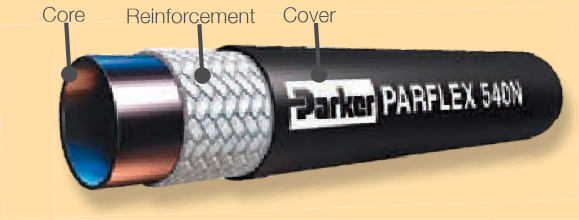
Materials: Fiber (Nylon, Polyester, Aramid), Steel, Stainless Steel

3. Cover

Protects Reinforcement

Advantages: Aesthetics, Color and Marking

Materials: Polyurethane, Nylon, Synthetic Rubber, and Copolyester

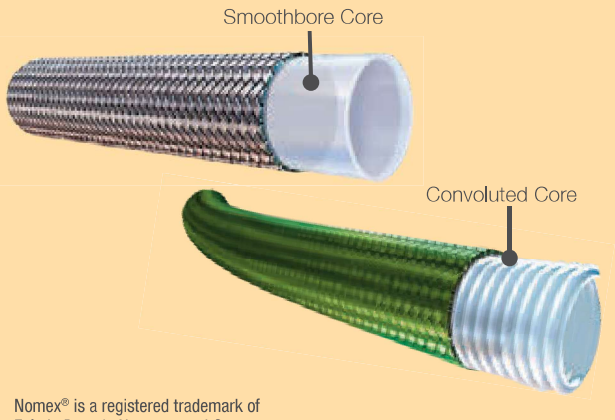


TOUGHJACKET™ Covers

TOUGHJACKET™

Manufactured from Parflex **TOUGH**JACKET™ Polyurethane and designed to withstand the strains of demanding use. Look for the TJ - Currently found on 560TJ, 563TJ, 590TJ and 594TJ.

Fluoropolymer Hose Construction



Nomex® is a registered trademark of E. I. du Pont de Nemours and Company.

1. Core

Contains Media

Materials: PTFE

Style: Smoothbore or Convoluted

2. Reinforcement

Provides Resistance to Internal Pressure

Materials: Steel, Stainless Steel and Nomex®

3. Cover or Protective Sleeve

Protects Reinforcement

Materials: Silicone, Polyolefin

Thermoplastic Hose Selection psi

Reinforcement Type	Hose	Description	3/32	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2
		Dash Size	-1.5	-2	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24
			psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
Wire	CNGRP*	Regulated Pressure CNG								500	500			
	D6R/D6RX	Hybrid® - Constant Pressure Hydraulic				3000	3000	3000	3000	3000	3000	3000		
	H6	Constant Pressure Hydraulic				3000	3000	3000	3000	3000	3000			
	HFSR	Hybrid® - General Hydraulic				3263	3118	2611	2500		1523	1276		
	HFS2R	Hybrid® - General Hydraulic				5000		4000	3500	2750	2250	2000		
	R6	Constant Pressure Hydraulic				3000		3000	3000	3000	3000			
	HTB	Hybrid® - Compact High Pressure				7000		5500	5000	4000	4000	3500		
	560TJ	General Hydraulic **TOUGH**JACKET™			3626	3263	3118	2750	2500	2000	1750			
	563TJ	Constant Pressure **TOUGH**JACKET™				3045		3045	3045					
	590TJ	General Hydraulic **TOUGH**JACKET™				5076		4061	3553		2500	2030		
	594TJ	Constant Pressure **TOUGH**JACKET™				4061		4061	4061	4061				
Fiber	510A	Industrial Refrigerant			3000	2750								
	510C	General Hydraulic		2500	3250	3000	2500	2250	2250		1250	1000		
	518C	Non-conductive Hydraulic		2500**	3250**	3000**	2500**	2250**	2250**		1250**	1000**		
	518D	Non-conductive Hydraulic		3000**	3250**	3000**	2500**	2250**	2250**		1250**			
	515H	Compact/Lightweight Hydraulic				2000		1500						
	520N / 528N	General Hydraulic / Non-conductive Hydraulic			5000	5000	4500	4000	3500					
	527BA	Breathing Air Refill			7000	7000								
	53DM	Low Temperature Hydraulic				3000		3000	3000	3000	3000			
	538DM	Low Temperature Hydraulic, Non-Conductive						3000						
	540N	General Hydraulic		3000	3000	2750	2500	2250	2000		1250			
	540P	Specialty Water				2750		2250	2000					
	55LT	Low Temperature Hydraulic		3000	3250	3000	2500	2250	2000					
	56DH	Diagnostic	6000	6000										
	575X/575XN	Fast Response Hydraulic			5000	5000		5000	5000		5000	5000		
	580N / 588N	General Hydraulic / Non-conductive Hydraulic							3500	2750	2250	2000		
	H580N	General Hydraulic										3000		
	1035HT	Power Cleaning				1750								
	83FR	General Purpose Air/Water				300		300	300		300			
	B9	General Purpose Transfer			250	250	250	250	250	250				
	5CNG	Compressed Natural Gas				5000		5000	5000		5000	5000		
	HLB	Lubrication		3000	3000									
	MSH	Marine Steering					1000	1000						
	MSXL	H.P. Marine Steering					1500							
	PTH	Power Tilt			3000									
	S5N	Sewer Cleaning - Lateral Cleaning							4000					
	S6	Sewer Cleaning									2500	2500		
	S9	Sewer Cleaning									3000	3000		

* Sizing for -10 is 1/2"; for -12 is 5/8"

**View actual hose chart for ANSI pressure ratings

Legend

F - Fiber
N - Nylon
R - Smooth Synthetic Rubber
H - Copolyester
O - Polyethylene
S - Silicone
U - Polyurethane
UTJ - TOUGHJACKET™ Polyurethane
X - TPV

Construction/Specifications

PSI Thermoplastic Construction and Specifications

Core Tube	Reinforcement Material	Cover Material	SAE Specification	Additional Specifications	Page #	Description	Hose	Reinforcement Type
N	Wire	X	-	ANSI CSA NGV 3.1; NFPA 52; CSA 12.3, Class C	A-50	Regulated Pressure CNG	CNGRP	Wire
H	Wire	R	100R17	MSHA/ ISO 11237 Type R17	A-22	Hybrid® - Constant Pressure Hydraulic	D6R/D6RX	
H	Wire	H	100R17		A-25	Constant Pressure Hydraulic	H6	
H	Wire	R	100R1AT		A-23	Hybrid® - General Hydraulic	HFSR	
H	Wire	R	-	MSHA	A-24	Hybrid® - General Hydraulic	HFS2R	
H	Wire	F	100R17		A-26	Constant Pressure Hydraulic	R6	
H	Wire	R		MSHA	A-27	Hybrid® - Compact High Pressure	HTB	
H	Wire	UTJ	100R1AT	MSHA	A-28	General Hydraulic **TOUGH**JACKET™	560TJ	
H	Wire	UTJ	100R17	MSHA	A-29	Constant Pressure **TOUGH**JACKET™	563TJ	
H	Wire	UTJ		MSHA	A-30	General Hydraulic **TOUGH**JACKET™	590TJ	
H	Wire	UTJ	100R19	MSHA	A-31	Constant Pressure **TOUGH**JACKET™	594TJ	
U	Fiber	U	100R7	MSHA***	A-32	Industrial Refrigerant	510A	Fiber
H	Fiber	U	100R7***	MSHA***, DNV	A-33	General Hydraulic	510C	
H	Fiber	U	100R7***	ANSI A92.2, DNV	A-34	Non-conductive Hydraulic	518C	
N	Fiber	U	100R7	ANSI A92.2, DNV	A-35	Non-conductive Hydraulic	518D	
H	Fiber	U	-	MSHA	A-36	Compact/Lightweight Hydraulic	515H	
N	Fiber	U	100R8	MSHA***, DNV	A-37	General Hydraulic / Non-conductive Hydraulic	520N/ 528N	
N	Fiber	U	-	CGA / NFPA 1901	A-38	Breathing Air Refill	527BA	
H	Fiber	H	100R18		A-39	Low Temperature Hydraulic	53DM	
H	Fiber	H	100R18		A-39	Low Temperature Hydraulic, Non-Conductive	538DM	
N	Fiber	U	100R7	MSHA	A-40	General Hydraulic	540N	
O	Fiber	U	100R7	FDA	A-41	Specialty Water	540P	
H	Fiber	H	100R7		A-42	Low Temperature Hydraulic	55LT	
N	Fiber	U	-	MSHA***	A-43	Diagnostic	56DH	
N	Fiber	U	-	MSHA***, DNV	A-44	Fast Response Hydraulic	575X/575XN	
N	Fiber	U	100R8	MSHA, DNV	A-45	General Hydraulic / Non-conductive	580N / 588N	
N	Fiber	U	100R8	DNV	A-45	General Hydraulic	H580N	
N	Fiber	U	-		A-47	Power Cleaning	1035HT	
U	Fiber	U	UL94HB	MSHA	A-46	General Purpose Air/Water	83FR	
U	Fiber	U	-		A-48	General Purpose Transfer	B9	
N	Fiber	U	-	ANSI CSA NGV 4.2; ECE R110***; NFPA 52; CSA 12.52 Class A, Class D, Class B***	A-49	Compressed Natural Gas	5CNG	
H	Fiber	U	-	MSHA	A-51	Lubrication	HLB	
N	Fiber	U	-		A-52	Marine Steering	MSH	
N	Fiber	U	-		A-53	H.P. Marine Steering	MSXL	
N	Fiber / SS Wire	U	-		A-54	Power Tilt	PTH	
N	Fiber	U	-	Wastec / NSWMA / WEMI	A-55	Sewer Cleaning - Lateral Cleaning	S5N	
H	Fiber	U	-	Wastec / NSWMA / WEMI	A-56	Sewer Cleaning	S6	
H	Fiber	U	-	Wastec / NSWMA / WEMI	A-57	Sewer Cleaning	S9	

***View Government & Agency Specifications for exceptions, pg. G-55

Fluoropolymer Hose Selection psi

Reinforcement Type			PSI Fluoropolymer Hose Working Pressures													
	Fractional Size		Nominal Sizes													
			1/8	3/16 15/64	1/4	5/16	13/32 7/16	1/2	5/8	7/8 29/32	1-1/8	1/8	1/4	3/8	1/2	5/8
	Dash Size		-3	-4	-5	-6	-8	-10	-12	-16	-20	-3	-4	-6	-8	-10
			psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
Wire	919	PTFE Hose	3000	3000	3000	2500	2000	1500	1200	1000	625					
	919B	PTFE Hose with static-dissipative core		3000	3000	2500	2000									
	919J	Silicone Covered PTFE Hose		3000	3000	2500	2000	1500	1200	1000						
	919U	High Abrasion Resistance PTFE Hose		3000		2500	2000		1200	1000						
	929	Heavy Wall PTFE Hose		3000		2500	2000									
	929B	Heavy Wall PTFE Hose with static-dissipative core		3000		2500	2000		1200	1250						
	929BJ	Silicone Covered PTFE Hose with static-dissipative core		3000		2500	2000		1200	1250						
	939	Convoluted PTFE Hose												1500	1350	1000
	939B	Convoluted PTFE Hose with static-dissipative core												1500	1350	1000
	944B	High Pressure PTFE Hose with static-dissipative core		4500		4500	4500	4500	4500	4000						
	955B	High Pressure PTFE Hose with static-dissipative core		5500		5500	5500	5500	5500	5500						
	STW Z-STW*	PAGE Heavy Wall PTFE Hose *Double Braid										3000	3000	2000	1750	
	STB Z-STB*	PAGE Heavy Wall PTFE Hose with static-dissipative core *Double Braid										3000	3000	2000	1750	
	SCW	PAGE Convoluted PTFE Hose											1500	1500	1500	
	SCB	PAGE Convoluted PTFE Hose with static-dissipative core											1500	1500	1500	
	SCWV	PAGE Heavy Wall Convoluted PTFE Hose													1500	
	SCBV	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core													1500	
Other	NCW	PAGE Nomex Braid Convoluted											725	400	280	
	NCB	PAGE Nomex Braid Convoluted with static-dissipative core											725	400	280	

*Z indicates double braid for sizes over 1".

Legend

PTFE – Polytetrafluoroethylene
PTFE-S – Polytetrafluoroethylene, Static Dissipative
U – Polyurethane
NB - Nomex Braid
S – Silicone

Construction/Specifications

PSI Fluoropolymer Construction and Specifications

3/4	1	1 1/4	1 1/2	2	2-1/2	3	4	Core Tube	Reinforcement Material	Cover Material	Page #	Fractional Size		Reinforcement Type
-12	-16	-20	-24	-32	-40	-48	-64					Dash Size		
psi	psi	psi	psi	psi	psi	psi	psi							
								PTFE	SS Wire	—	A-58	PTFE Hose	919	Wire Braid
								PTFE-S	SS Wire	—	A-58	PTFE Hose with static-dissipative core	919B	
								PTFE	SS Wire	S	A-59	Silicone Covered PTFE Hose	919J	
								PTFE	SS Wire	U	A-60	High Abrasion Resistance PTFE Hose	919U	
								PTFE	SS Wire	—	A-61	Heavy Wall PTFE Hose	929	
								PTFE-S	SS Wire	—	A-61	Heavy Wall PTFE Hose with static-dissipative core	929B	
								PTFE-S	SS Wire	S	A-62	Silicone Covered PTFE Hose with static-dissipative core	929BJ	
1100	1000	1000	750	250				PTFE	SS Wire	—	A-63	Convoluted PTFE Hose	939	
1100	1000	1000	1000	1000				PTFE-S	SS Wire	—	A-63	Convoluted PTFE Hose with static-dissipative core	939B	
								PTFE-S	SS Wire	—	A-64	High Pressure PTFE Hose with static-dissipative core	944B	
								PTFE-S	SS Wire	—	A-65	High Pressure PTFE Hose with static-dissipative core	955B	
1000	1000 1200	1000*	900*					PTFE	SS Wire	—	A-66	PAGE Heavy Wall PTFE Hose *Double Braid	STW Z-STW*	
1000	1000 1200	1000*	900*					PTFE-S	SS Wire	—	A-66	PAGE Heavy Wall PTFE Hose with static-dissipative core *Double Braid	STB Z-STB*	
1200	1000	750	650	450				PTFE	SS Wire	—	A-67	PAGE Convoluted PTFE Hose	SCW	
1200	1000	750	650	450				PTFE-S	SS Wire	—	A-67	PAGE Convoluted PTFE Hose with static-dissipative core	SCB	
1200	1000	750	650	450	200	175	150	PTFE	SS Wire	—	A-68	PAGE Heavy Wall Convoluted PTFE Hose	SCWV	
1200	1000	750	650	450	200	175	150	PTFE-S	SS Wire	—	A-68	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core	SCBV	
200	200							PTFE	NB	—	A-69	PAGE Nomex® Braid Convoluted	NCW	Other
200	200							PTFE-S	NB	—	A-69	PAGE Nomex® Braid Convoluted with static-dissipative core	NCB	

*Z indicates double braid for sizes over 1".

Nomex® is a registered trademark of E. I. du Pont de Nemours and Company.

Thermoplastic Hose Selection MPa

Reinforcement Type	Hose	Description	MPa Thermoplastic Hose Working Pressures											
		Dash Size	3/32 -1.5	1/8 -2	3/16 -3	1/4 -4	5/16 -5	3/8 -6	1/2 -8	5/8 -10	3/4 -12	1 -16	1 1/4 -20	1 1/2 -24
			MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa
Wire	CNGRP*	Regulated Pressure CNG								3.45	3.45			
	D6R/D6RX	Hybrid® - Constant Pressure Hydraulic				21.0	21.0	21.0	21.0	21.0	21.0	21.0		
	H6	Constant Pressure Hydraulic				20.7	20.7	20.7	20.7	20.7	20.7			
	HFSR	Hybrid® - General Hydraulic				22.5	21.5	18.0	17.2		10.5	8.8		
	HFS2R	Hybrid® - General Hydraulic				34.5		27.6	24.1	19.0	15.5	13.7		
	R6	Constant Pressure Hydraulic				20.7		20.7	20.7	20.7	20.7			
	HTB	Hybrid® - Compact High Pressure				48.3		37.9	34.5	27.6	27.6	24.1		
	560TJ	General Hydraulic **TOUGH**JACKET™			25.0	22.5	21.5	19.0	17.2	13.8	12.1			
	563TJ	Constant Pressure **TOUGH**JACKET™				21.0		21.0	21.0					
	590TJ	General Hydraulic **TOUGH**JACKET™				35.0		28.0	24.5		17.2	14.0		
	594TJ	Constant Pressure **TOUGH**JACKET™				28.0		28.0	28.0	28.0				
Fiber	510A	Industrial Refrigerant			20.7	19.0								
	510C	General Hydraulic		17.2	22.4	20.7	17.2	15.5	15.5		8.6	6.9		
	518C	Non-conductive Hydraulic		17.2**	22.4**	21.0**	17.2**	15.5**	15.5**		8.7**	6.9**		
	518D	Non-conductive Hydraulic		21.0**	22.4**	20.7**	17.2**	15.5**	15.5**		8.7**			
	515H	Compact/Lightweight Hydraulic				13.8		10.3						
	520N / 528N	General Hydraulic / Non-conductive Hydraulic			34.5	34.5	31.0	27.6	24.1	19.0				
	527BA	Breathing Air Refill			48.3	48.3								
	53DM	Low Temperature Hydraulic				20.7		20.7	20.7	20.7	20.7			
	538DM	Low Temperature Hydraulic, Non-conductive						20.7						
	540N	General Hydraulic		20.7	20.7	19.0	17.2	15.5	13.8		8.6			
	540P	Specialty Water				19.0		15.5	13.8					
	55LT	Low Temperature Hydraulic		20.7	22.4	20.7	17.2	15.5	13.8					
	56DH	Diagnostic	41.4	41.4										
	575X/575XN	Fast Response Hydraulic			34.5	34.5		34.5	34.5		34.5	34.5		
	580N / 588N	General Hydraulic / Non-conductive Hydraulic							24.1	19.0	15.5	13.8		
	H580N	General Hydraulic										20.7		
	1035HT	Power Cleaning				12.1								
	83FR	General Purpose Air/Water				2.1		2.1	2.1		2.1			
	B9	General Purpose Transfer			1.7	1.7	1.7	1.7	1.7	1.7				
	5CNG	Compressed Natural Gas				34.5		34.5	34.5		34.5	34.5		
	HLB	Lubrication		20.7	20.7									
	MSH	Marine Steering					6.9	6.9						
	MSXL	H.P. Marine Steering					10.3							
	PTH	Power Tilt			20.7									
	S5N	Sewer Cleaning - Lateral Cleaning							27.6					
	S6	Sewer Cleaning									17.2	17.2		
	S9	Sewer Cleaning									20.7	20.7		

* Sizing for -10 is 1/2"; for -12 is 5/8"

**View actual hose chart for ANSI pressure ratings

Legend

F - Fiber
N - Nylon
R - Smooth Synthetic Rubber
H - Copolyester
O - Polyethylene
S - Silicone
U - Polyurethane
UTJ - TOUGHJACKET™ Polyurethane
X - TPV

Construction/Specifications

MPa Thermoplastic Construction and Specifications

Core Tube	Reinforcement Material	Cover Material	SAE Specification	Additional Specifications	Page #	Description	Hose	Reinforcement Type
N	Wire	X	-	ANSI CSA NGV 3.1; NFPA 52; CSA 12.3, Class C	A-50	Regulated Pressure CNG	CNGRP	Wire
H	Wire	R	100R17	MSHA/ ISO 11237 Type R17	A-22	Hybrid® - Constant Pressure Hydraulic	D6R/D6RX	
H	Wire	H	100R17		A-25	Constant Pressure Hydraulic	H6	
H	Wire	R	100R1AT		A-23	Hybrid® - General Hydraulic	HFSR	
H	Wire	R	-	MSHA	A-24	Hybrid® - General Hydraulic	HFS2R	
H	Wire	F	100R17		A-26	Constant Pressure Hydraulic	R6	
H	Wire	R		MSHA	A-27	Hybrid® - Compact High Pressure	HTB	
H	Wire	UTJ	100R1AT	MSHA	A-28	General Hydraulic **TOUGH**JACKET™	560TJ	
H	Wire	UTJ	100R17	MSHA	A-29	Constant Pressure **TOUGH**JACKET™	563TJ	
H	Wire	UTJ		MSHA	A-30	General Hydraulic **TOUGH**JACKET™	590TJ	
H	Wire	UTJ	100R19	MSH***	A-31	Constant Pressure **TOUGH**JACKET™	594TJ	
U	Fiber	U	100R7	MSHA***	A-32	Industrial Refrigerant	510A	Fiber
H	Fiber	U	100R7***	MSHA***, DNV	A-33	General Hydraulic	510C	
H	Fiber	U	100R7***	ANSI A92.2, DNV	A-34	Non-conductive Hydraulic	518C	
N	Fiber	U	100R7	ANSI A92.2, DNV	A-35	Non-conductive Hydraulic	518D	
H	Fiber	U	-	MSHA	A-36	Compact/Lightweight Hydraulic	515H	
N	Fiber	U	100R8	MSHA***, DNV	A-37	General Hydraulic / Non-conductive Hydraulic	520N/ 528N	
N	Fiber	U	-	CGA / NFPA 1901	A-38	Breathing Air Refill	527BA	
H	Fiber	H	100R18		A-39	Low Temperature Hydraulic	53DM	
H	Fiber	H	100R18		A-39	Low Temperature Hydraulic, Non-conductive	538DM	
N	Fiber	U	100R7	MSHA	A-40	General Hydraulic	540N	
O	Fiber	U	100R7	FDA	A-41	Specialty Water	540P	
H	Fiber	H	100R7		A-42	Low Temperature Hydraulic	55LT	
N	Fiber	U	-	MSHA***	A-43	Diagnostic	56DH	
N	Fiber	U	-	MSHA***, DNV	A-44	Fast Response Hydraulic	575X/575XN	
N	Fiber	U	100R8	MSHA, DNV	A-45	General Hydraulic / Non-conductive	580N / 588N	
N	Fiber	U	100R8	DNV	A-45	General Hydraulic	H580N	
N	Fiber	U	-		A-47	Power Cleaning	1035HT	
U	Fiber	U	UL94HB	MSHA	A-46	General Purpose Air/Water	83FR	
U	Fiber	U	-		A-48	General Purpose Transfer	B9	
N	Fiber	U	-	ANSI CSA NGV 4.2; ECE R110***; NFPA 52; CSA 12.52 Class A, Class D, Class B***	A-49	Compressed Natural Gas	5CNG	
H	Fiber	U	-	MSHA	A-51	Lubrication	HLB	
N	Fiber	U	-		A-52	Marine Steering	MSH	
N	Fiber	U	-		A-53	H.P. Marine Steering	MSXL	
N	Fiber / SS Wire	U	-		A-54	Power Tilt	PTH	
N	Fiber	U	-	Wastec / NSWMA / WEMI	A-55	Sewer Cleaning - Lateral Cleaning	S5N	
H	Fiber	U	-	Wastec / NSWMA / WEMI	A-56	Sewer Cleaning	S6	
H	Fiber	U	-	Wastec / NSWMA / WEMI	A-57	Sewer Cleaning	S9	

***View Government & Agency Specifications for exceptions, pg. G-55

Fluoropolymer Hose Selection MPa

Reinforcement Type			MPa Fluoropolymer Hose Working Pressures													
		Fractional Size	Nominal Sizes													
			1/8	3/16 (15/64)	1/4	5/16	13/32 (7/16)	1/2	5/8	7/8 (29/32)	1-1/8	1/8	1/4	3/8	1/2	5/8
		Dash Size	-3	-4	-5	-6	-8	-10	-12.1	-16	-20	-3	-4	-6	-8	-10.3
			MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa
Wire	919	PTFE Hose	20.7	20.7	20.7	17.2	13.8	10.3	8.3	6.9	4.3					
	919B	PTFE Hose with static-dissipative core		20.7	20.7	17.2	13.8									
	919J	Silicone Covered PTFE Hose		20.7	20.7	17.2	13.8	10.3	8.3	6.9						
	919U	High Abrasion Resistance PTFE Hose		20.7		17.2	13.8		8.3	6.9						
	929	Heavy Wall PTFE Hose		20.7		17.2	13.8									
	929B	Heavy Wall PTFE Hose with static-dissipative core		20.7		17.2	13.8		8.3	9						
	929BJ	Silicone Covered PTFE Hose with static-dissipative core		20.7		17.2	13.8		8.3	9						
	939	Convoluted PTFE Hose												10.3	9.3	6.9
	939B	Convoluted PTFE Hose with static-dissipative core												10.3	9.3	6.9
	944B	High Pressure PTFE Hose with static-dissipative core		31.0		31.0	31.0	31.0	31.0	27.5						
	955B	High Pressure PTFE Hose with static-dissipative core		37.9		37.9	37.9	37.9	37.9	37.9						
	STW Z-STW*	PAGE Heavy Wall PTFE Hose *Double Braid										20.7	20.7	13.8	12.1	
	STB Z-STB*	PAGE Heavy Wall PTFE Hose with static-dissipative core *Double Braid										20.7	20.7	13.8	12.1	
	SCW	PAGE Convoluted PTFE Hose											10.3	10.3	10.3	
	SCB	PAGE Convoluted PTFE Hose with static-dissipative core											10.3	10.3	10.3	
	SCWV	PAGE Heavy Wall Convoluted PTFE Hose													10.3	
	SCBV	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core													10.3	
Other	NCW	PAGE Nomex Braid Convoluted											725	400	280	
	NCB	PAGE Nomex Braid Convoluted with static-dissipative core											725	400	280	

*Z indicates double braid for sizes over 1".

Legend

PTFE – Polytetrafluoroethylene
PTFE-S – Polytetrafluoroethylene, Static Dissipative
U – Polyurethane
NB - Nomex Braid
S – Silicone

Construction/Specifications

MPa Fluoropolymer Construction and Specifications													
3/4	1	1 1/4	1 1/2	2	2-1/2	3	4					Fractional Size		Reinforcement Type
-12.	-16	-20	-24	-32	-40	-48	-64	Core Tube	Reinforcement Material	Cover Material	Page #	Dash Size		
MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa							
								PTFE	SS Wire	—	A-58	PTFE Hose	919	Wire Braid
								PTFE-S	SS Wire	—	A-58	PTFE Hose with static-dissipative core	919B	
								PTFE	SS Wire	S	A-59	Silicone Covered PTFE Hose	919J	
								PTFE	SS Wire	U	A-60	High Abrasion Resistance PTFE Hose	919U	
								PTFE	SS Wire	—	A-61	Heavy Wall PTFE Hose	929	
								PTFE-S	SS Wire	—	A-61	Heavy Wall PTFE Hose with static-dissipative core	929B	
								PTFE-S	SS Wire	S	A-62	Silicone Covered PTFE Hose with static-dissipative core	929BJ	
7.6	6.9	6.9	5.2	1.7				PTFE	SS Wire	—	A-63	Convoluted PTFE Hose	939	
7.6	6.9	6.9	5.2	1.7				PTFE-S	SS Wire	—	A-63	Convoluted PTFE Hose with static-dissipative core	939B	
								PTFE-S	SS Wire	—	A-64	High Pressure PTFE Hose with static-dissipative core	944B	
								PTFE-S	SS Wire	—	A-65	High Pressure PTFE Hose with static-dissipative core	955B	
6.9	6.9 8.3*	6.9*	6.2*					PTFE	SS Wire	—	A-66	PAGE Heavy Wall PTFE Hose *Double Braid	STW Z-STW*	
6.9	6.9 8.3*	6.9*	6.2*					PTFE-S	SS Wire	—	A-66	PAGE Heavy Wall PTFE Hose with static-dissipative core *Double Braid	STB Z-STB*	
8.3	6.9	5.2	4.5	3.1				PTFE	SS Wire	—	A-67	PAGE Convoluted PTFE Hose	SCW	
8.3	6.9	5.2	4.5	3.1				PTFE-S	SS Wire	—	A-67	PAGE Convoluted PTFE Hose with static-dissipative core	SCB	
8.3	6.9	5.2	4.5	3.1	1.4	1.2	1.0	PTFE	SS Wire	—	A-68	PAGE Heavy Wall Convoluted PTFE Hose	SCWV	
8.3	6.9	5.2	4.5	3.1	1.4	1.2	1.0	PTFE-S	SS Wire	—	A-68	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core	SCBV	
200	200							PTFE	NB	—	A-69	PAGE Nomex® Braid Convoluted	NCW	Other
200	200							PTFE-S	NB	—	A-69	PAGE Nomex® Braid Convoluted with static-dissipative core	NCB	

*Z indicates double braid for sizes over 1".

Nomex® is a registered trademark of E. I. du Pont de Nemours and Company.

Parflex Thermoplastic Hoses

Parflex Thermoplastic Hose Assembly Nomenclature

F	540N	06	39	12	12	12	-	52

F — Prefix

F – Parkrimp
(i.e. 56 series)

A – Factory Crimp
(i.e. 54 series)

R – Field Attachable
(i.e. 51 series)

540N — Hose

1035HT	560TJ	H580N
510A	563TJ	H6
510C	56DH	HFSR
515H	575X/575XN	HFS2R
518C	580N	HTB
518D	588N	MSH
520N	590TJ	MSXL
527BA	594TJ	PTH
528N	5CNG	R6
53DM/538DM	83FR	S5N
540N	B9	S6
540P	CNGRP	S9
55LT	D6R/D6RX	

06-39 — Fitting Configuration*

01 – Male Pipe Thread (with hex) - NPTF
02 – Female Pipe Thread - NPT
03 – Male SAE (JIC) 37° Flare
05 – Male Straight Thread w/ O-Ring
06 – Female SAE (JIC) 37° Swivel
07 – Female Pipe Swivel
13 – Male Pipe Swivel - NPTF
37 – Female SAE (JIC) 37° Swivel - 45° Elbow
39 – Female SAE (JIC) 37° Swivel - 90° Elbow
41 – Female SAE (JIC) 37° Swivel - 90° Long Elbow
JC – Female Seal-Lok™ (ORFS) Swivel Short
FU – Female JIC/BSP 30° Flare Swivel
MU – Metric Female JIC/BSP 30° Flare Swivel
JO – Male Seal-Lok™ (ORFS) Rigid Strt w/O-Ring
GU – Female JIC/BSP Parallel Pipe Swive (60° Cone)
JS – Female Seal-Lok™ (ORFS) Swivel
J7 – Female Seal-Lok™ (ORFS) Swivel - 45° Elbow
J9 – Female Seal-Lok™ (ORFS) Swivel - 90° Elbow
TU – Universal Tube Stub
AL – A-Lok® Compression

* See pg. E-4 for detailed list of available fitting configurations.

12 Connection Size 1

-2	=	1/8
-3	=	3/16
-4	=	1/4
-5	=	5/16
-6	=	3/8
-8	=	1/2
-10	=	5/8
-12	=	3/4
-16	=	1
-20	=	1-1/4

12 Connection Size 2

-2	=	1/8
-3	=	3/16
-4	=	1/4
-5	=	5/16
-6	=	3/8
-8	=	1/2
-10	=	5/8
-12	=	3/4
-16	=	1
-20	=	1-1/4

12 Hose Size

-2	=	1/8
-3	=	3/16
-4	=	1/4
-5	=	5/16
-6	=	3/8
-8	=	1/2
-10	=	5/8
-12	=	3/4
-16	=	1

C Fitting Material

** No Material Designation, Steel

C = Stainless Steel

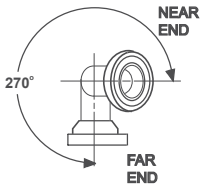
52 Overall Length

Expressed in inches

NOTE: Face Seal type fittings are measured from sealing face.

Displacement Angle

Specified only if two elbow fittings are used to construct hose assembly.*



*Starting with either end as the far end, measure the angle clockwise to describe the displacement of the near end.

Parflex PTFE Hoses

Parflex PTFE Hose Assembly Nomenclature

P	919	06	39	06	06	06	C	-	30

P — Prefix

P – Permanent Crimp (i.e. 91N series)

R – Field Attachable (i.e. 90 series)

Factory Crimp (i.e. 94 series)

919 — Hose

Natural	Static Dissipative
919	919B
919J	929BJ
919U	–
929	929B
939	939B
–	944B
	955B

06-39 — Fitting Configuration*

01 – Male Pipe Thread (with hex) - NPTF
02 – Female Pipe Thread - NPT
03 – Male SAE (JIC) 37° Flare
05 – Male Straight Thread w/ O-Ring
06 – Female SAE (JIC) 37° Swivel
07 – Female Pipe Swivel
37 – Female SAE (JIC) 37° Swivel - 45° Elbow
39 – Female SAE (JIC) 37° Swivel - 90° Elbow
41 – Female SAE (JIC) 37° Swivel - 90° Long Elbow
JC – Female Seal-Lok™ (ORFS) Swivel Short
FU – Female JIC/BSP 30° Flare Swivel
MU – Metric Female JIC/BSP 30° Flare Swivel
GU – Female JIC/BSP Parallel Pipe Swive (60° Cone)
JS – Female Seal-Lok™ (ORFS) Swivel
J7 – Female Seal-Lok™ (ORFS) Swivel - 45° Elbow
J9 – Female Seal-Lok™ (ORFS) Swivel - 90° Elbow
TU – Universal Tube Stub
AL – A-Lok® Compression

* See pg. E-4 for detailed list of available fitting configurations.

06 — Connection Size 1

-4	=	1/4
-5	=	5/16
-6	=	3/8
-8	=	1/2
-10	=	5/8
-12	=	3/4
-16	=	1
-20	=	1-1/4
-24	=	1-1/2
-32	=	2

06 — Connection Size 2

-4	=	1/4
-5	=	5/16
-6	=	3/8
-8	=	1/2
-10	=	5/8
-12	=	3/4
-16	=	1
-20	=	1-1/4
-24	=	1-1/2
-32	=	2

06 — Hose Size

-4	=	1/4
-5	=	5/16
-6	=	3/8
-8	=	1/2
-10	=	5/8
-12	=	3/4
-16	=	1
-20	=	1-1/4
-24	=	1-1/2
-32	=	2

C — Fitting Material

** No Material Designation

C = Stainless Steel

B = Brass (91N)

S = All Steel (91N)

30 — Overall Length

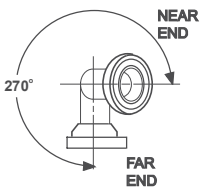
Expressed in Inches

OAL measured from centerline of fitting seat if elbow fittings are used.

NOTE: Face Seal type fittings are measured from sealing face.

— Displacement Angle

Specified only if two elbow fittings are used to construct hose assembly.*



*Starting with either end as the far end, measure the angle clockwise to describe the displacement of the near end.

"True-Bore" & Convoluted Hose Assembly Nomenclature

32		J	03	C	13	C	0	–	0	1	2	0	–		
Size Code	Z for Double Braid	Hose Code	Fitting End 1	Fitting Material End 1	Fitting End 2	Fitting Material End 2	Flange Material		Length in Inches					Length in 1/8" increments	Accessory Code

Size Code	
1/4"	04
5/16"	05
3/8"	06
1/2"	08
5/8"	10
3/4"	12
7/8"	14
1"	16
1-1/4	20
1-1/2"	24
2"	32
2-1/2"	40
3"	48
4"	64

Hose Code	
hose	code
CWV	V
NCB	MB
NCW	M
SCB	TB
SCBV	JB
SCW	T
SCWV	J
STB	SB
STW	S

Fitting Code	
Industrial Thread	
Male Pipe NPT Hex	03
Female Pipe NPT Hex	06
Male Pipe NPT Step Down	13
Male Pipe NPT Step Up	23
Male Union Step Up	34
Male Union Step Down	35
JIC Female Swivel	30
Male JIC 37°	31
JIC Female Step Up	32
Male Union	33
Female Union	36
Female NPSH	27
Female ORFS Swivel	80
Male ORFS	81
Male O-Ring Boss	86
Flanges	
Flange Retainer	05
Flare-Seal® Flange Retainer	29
Cam Lock	
Female Cam Lock	07
With Locking Handles	17
Male Cam Lock	08
Sanitary	
Sanitary Tri Clamp	40
Sanitary Tri Clamp 45°	4K
Sanitary Tri Clamp 90°	4L
Sanitary 1-Step Up	4A
Sanitary 2-Step Up	4B
Sanitary 3-Step Up	4C
Sanitary Flare Seal™	4F
Sanitary Mini	42
Sanitary Mini Step Up	43
I-Line Male	48
I-Line Female	49
Bevel Seat Female	45
Bevel Seat Male	46
Tube and Vacuum	
PAGElok™ Tube Adapter	38
PAGElok™ Tube Compression Fitting	39
Special Ends	
Standard Cuffed Ends	90
Non Standard Fitting	99

Fitting Material	
304 Stainless (SS 304)	4
316 Stainless (SS 316)	6
316 Stainless (SS 15Ra) Electropolished to 15Ra	E
Steel	C
PFA Encapsulated	T
Hastelloy	H
Monel	M

Accessory Code	
None	
Spring Guard	S
Armour Guard	A
End Bend Restrictors	E
Fire Sleeve	F
Rubber Sleeve	H
FEP Heat Shrink	T
Polyolefin Heat Shrink	P
Silicone Sleeve	M
Vacuum Spring Wire	W
Specials	X

Flange Material	
None	0
Carbon Steel Epoxy Coated	D
304SS	4
316SS	6
Kynar	K
Polypropylene	P
Non Standard	X

Example: 32J03C13C0-0120-A
Size: 2" **Style:** SCWV
Braid: 316 SS Single Braid
Core: Heavy Wall Open Pitch Convoluted PTFE
End 1: 2" Male Pipe NPT Hex
End 2: 2" Male Pipe NPT Step Down

Length: 120" from end of Male NPT to end of Male Step Down

NOTE: Length calculations for PAGE hose assemblies are typically made sealing surface to sealing surface per the NAHAD Fluoropolymer Hose Assembly Specification Guidelines unless otherwise requested by customer at time of order.

The part numbering system shows the entire product line offered by the Parker PAGE International business unit. This catalog section only displays a few common hoses.

D6R/D6RX – Hybrid® Hose

Features

- Up to 40% lighter than comparable rubber hoses
- Wide range of fluid compatibility

Compact hose Construction

- Bend radius less than half of conventional SAE 100R1AT and 100R2 hoses
- UV resistant cover
- Low force to flex
- 3,000 psi working pressure

Applications/Markets

- Medium pressure hydraulic applications
- Agricultural Equipment
- Construction Equipment
- Lubricating Oils
- Transportation

Certifications

- Meets/Exceeds ISO 11237 Type R17 Pressure requirements
- Meets/Exceeds SAE 100R17 Performance
- MSHA accepted

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./m.	
D6R04*	1/4	6.4	.46	11.7	3,000	21.0	1.50	38	0.10	0.14	56
D6R05	5/16	7.9	.52	13.2	3,000	21.0	1.75	45	0.12	0.18	56
D6R06*	3/8	9.5	.61	15.5	3,000	21.0	2	51	0.17	0.25	56
D6R08*	1/2	12.7	.76	19.3	3,000	21.0	3	76	0.26	0.38	56
D6R10	5/8	15.9	.97	24.6	3,000	21.0	3.50	89	0.43	0.64	56
D6R12	3/4	19.1	1.14	29.0	3,000	21.0	4.25	108	0.71	1.06	56
D6R16	1	25.4	1.45	36.8	3,000	21.0	6	152	0.91	1.36	56

Construction

Tube: Copolyester

Reinforcement: High Tensile Steel Wire

Cover: Smooth Synthetic Rubber

Operating Parameters

Temperature Range:

- Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to +250°F (121°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +185°F (+85°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Color

● Black

Notes

* X designates a continuous, long length reel (ie D6RX04)

WARNING
This product can expose you to chemicals including Chloroprene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

HFSR Hybrid® Hose with Rubber Cover

Features

- Up to 40% lighter than comparable rubber hoses
- Wide range of fluid compatibility

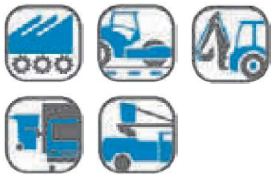
Compact hose Construction

- Bend radius less than half of conventional SAE 100R1AT hoses
- UV resistant cover
- Low force to flex

Certifications

- Meets/Exceeds SAE 100R1AT Performance
- Meets/Exceeds ISO 1436 Type 1SN Pressure requirements

Applications/Markets



- Industrial
- Construction
- Waste & Refuse
- Utility Equipment
- Paving and road maintenance

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi@73°C	MPa@23°F	inch	mm	lbs./ft.	kg./m.	
HFSR04	1/4	6.4	.46	11.7	3,263	22.5	1.50	38	0.10	0.14	56
HFSR05	5/16	7.9	.52	13.2	3,118	21.5	1.75	45	0.12	0.18	56
HFSR06	3/8	9.5	.61	15.5	2,611	18.0	2	51	0.17	0.25	56
HFSR08	1/2	12.7	.74	18.8	2,500	17.2	3	76	0.21	0.32	56
HFSR12	3/4	19.1	1.02	25.9	1,523	10.5	4.25	108	0.31	0.46	56
HFSR16	1	25.4	1.31	33.3	1,276	8.8	7.50	191	0.44	0.66	56

Construction

Tube: Copolyester

Reinforcement: High Tensile Steel Wire

Cover: Smooth Synthetic Rubber

Operating Parameters

Temperature Range:

- Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to +250°F (121°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +185°F (+85°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Color

● Black

WARNING
This product can expose you to chemicals including Chloroprene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

HFS2R Hybrid® Hose with Rubber Cover

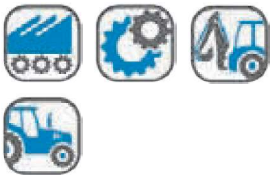
Features

- Up to 40% lighter than comparable rubber hoses
- Wide range of fluid compatibility
- Compact hose Construction
- Bend radius less than half of conventional 100R2 hoses
- UV resistant cover
- Low force to flex

Certifications

- MSHA Accepted

Applications/Markets



- Medium pressure hydraulic applications
- Mobile Equipment
- Machine Tools
- Agricultural Equipment

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
HFS2R04*	1/4	6.4	.49	12.4	5,000	34.5	2.00	51	.21	.31	56
HFS2R06	3/8	9.5	.64	16.3	4,000	27.6	2.50	64	.23	.34	56
HFS2R08	1/2	12.7	.76	19.3	3,500	24.1	3.50	89	.29	.43	56
HFS2R10	5/8	15.9	.93	23.6	2,750	19.0	4.00	102	.38	.57	56
HFS2R12	3/4	19.1	1.07	27.2	2,250	15.5	4.75	121	.45	.67	56
HFS2R16*	1	25.4	1.40	35.6	2,000	13.8	6.00	152	.80	1.19	56

Construction

Tube: Copolyester

Reinforcement: One or two braids of High Tensile Steel Wire

Cover: Smooth Synthetic Rubber

Operating Parameters

Temperature Range:

- Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to +212°F (100°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +185°F (+85°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13
For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- *Two wire braid

WARNING
This product can expose you to chemicals including Chloroprene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

H6 – Hydraulic Hose, Constant Pressure 3,000 psi

Features

- Largest temperature range in a medium pressure hydraulic hose
- Low length change under pressure

Certifications

- Meets/Exceeds SAE 100R17 Performance

Applications/Markets




- Medium pressure hydraulic applications
- Over-the-sheave and boom hose applications

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
H604	1/4	6.4	.49	12.4	3,000	20.7	2.00	51	.12	.18	56
H605	5/16	7.9	.56	14.2	3,000	20.7	2.25	57	.14	.21	HY
H606	3/8	9.5	.65	16.5	3,000	20.7	2.50	64	.19	.28	56
H608	1/2	12.7	.78	19.8	3,000	20.7	3.50	89	.29	.43	56
H610*	5/8	15.9	1.00	25.4	3,000	20.7	4.00	102	.47	.70	HY
H612*	3/4	19.1	1.17	29.7	3,000	20.7	4.75	121	.69	1.03	HY

Construction

Tube: Copolyester

Reinforcement: One or two braids of High Tensile Steel Wire

Cover: Abrasion-resistant Copolyester

Operating Parameters

Temperature Range:

- (H604 thru H608) -70°F (-57°C) to +250°F (121°C)
  (H610 thru H612) -50°F (-45°C) to +250°F (121°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13 HY Series

HY Series - Available from Parker Hose Products Division

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- *Two wire braid
- Twin line hose available
- Preformed assemblies
- Non-Perforated Cover

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

R6 – Abrasion King® Hose, Constant Pressure 3,000 psi

Features

- Light weight
- Excellent flexibility
- Excellent abrasion resistance
- Blue plait provides hose identification

Certifications

- Meets/Exceeds SAE 100R17 Performance

Applications/Markets

- Medium pressure hydraulic applications
- Agricultural Equipment

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
R604	1/4	6.4	.53	13.5	3000	20.7	2.00	51	.11	.16	HY
R606	3/8	9.5	.69	17.5	3000	20.7	2.50	64	.20	.30	HY
R608	1/2	12.7	.84	21.3	3000	20.7	3.50	89	.27	.40	HY
R610*	5/8	15.9	1.09	27.7	3000	20.7	4.00	102	.51	.76	HY
R612*	3/4	19.1	1.24	31.5	3000	20.7	4.75	121	.71	1.06	HY

Construction

Tube: Copolyester

Reinforcement: One or two braids of High Tensile Steel Wire

Cover: Abrasion-resistant Nylon Fabric

Operating Parameters

Temperature Range:

- (R604 thru R610) -50°F (-45°C) to +250°F (121°C)
  (R612) -50°F (-45°C) to +212°F (100°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

HY Series

Fittings available from Parker Hose Products Division

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

*Two wire braid

WARNING
This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

HTB – Eliminator® Hybrid® Hose

Features

- Four-spiral wire hose performance in a high tensile two-wire braid Construction
- Excellent flexibility
- Compact design

Certifications

- MSHA Accepted

Applications/Markets

- High-pressure hydraulic applications typically reserved for spiral wire reinforced hoses

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#									lbs		
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
HTB04*	1/4	6.4	.62	15.7	7,000	48.3	4.00	102	.27	.40	HY
HTB06	3/8	9.5	.76	19.3	5,500	37.9	6.00	152	.37	.55	43
HTB08	1/2	12.7	.90	22.9	5,000	34.5	7.00	178	.46	.68	43
HTB10	5/8	15.9	1.03	26.2	4,000	27.6	8.00	203	.52	.77	43
HTB12	3/4	19.1	1.20	30.5	4,000	27.6	9.50	241	.73	1.09	43
HTB16	1	25.4	1.50	38.1	3,500	24.1	12.00	305	1.01	1.50	43

Construction

Tube: Copolyester

Reinforcement: Two braids of High Tensile Steel Wire

Cover: Smooth Synthetic Rubber

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°)

Fittings

HY Series 43 Series

Fittings available from Parker Hose Products Division

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Color

● Black

Notes

*Factory-made assemblies only for size -4 with HY fittings

WARNING
This product can expose you to chemicals including Chloroprene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

560TJ – TOUGHJACKET™ SAE 100R1AT Hydraulic Hose

Features

- Twin or multi-line available. Lighter and smaller than 100R1AT with longer lengths
- Fast response hose
- Polyurethane cover for best abrasion resistance

Certifications

- Meets/Exceeds SAE 100R1AT Performance
- MSHA Accepted

Applications/Markets

- Hydraulic circuits and systems wherever 100R1AT hose is specified
- Most synthetic hydraulic fluids, water and wide range of chemicals
- Excellent over-the-sheave in lift truck applications
- Industrial equipment
- Machine Tools

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
560TJ-3	3/16	4.8	0.39	9.9	3,626	25.0	0.75	19	0.01	0.11	56
560TJ-4	1/4	6.4	0.47	11.9	3,263	22.5	1.50	38	0.09	0.14	56
560TJ-5	5/16	7.9	0.53	13.4	3,118	21.5	1.75	45	0.11	0.16	56
560TJ-6	3/8	9.5	0.61	15.5	2,750	19.0	2.00	51	0.14	0.21	56
560TJ-8	1/2	12.7	0.75	19.0	2,500	17.2	3.00	76	0.19	0.29	56
560TJ-10	5/8	15.9	0.93	23.6	2,000	13.8	4.00	102	0.31	0.47	56
560TJ-12	3/4	19.1	1.04	26.4	1,750	12.1	4.25	108	0.28	0.42	56

Construction

Tube: Copolyester

Reinforcement: High Tensile Steel Wire Braid

Cover: Polyurethane TOUGHJACKET™

Operating Parameters

Temperature Range:

- Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to +250°F (121°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +185°F (+85°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

Non-perforated cover

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

563TJ – TOUGHJACKET™ SAE 100R17 Hydraulic Hose 3,000 psi Constant Working Pressure

TOUGHJACKET

Features

- Low length change under pressure makes it an ideal solution for boom or cable track applications where long lengths are required
- 2%-5% smaller O.D. than comparable 100R17 hoses
- 23%-42% lighter than comparable 100R17 hose
- Excellent flexibility
- Consistent long-lengths

Certifications

- Meets/Exceeds SAE 100R17 Performance
- MSHA Accepted

Applications/Markets

- Medium pressure hydraulic applications
- Excellent over-the-sheave in lift truck applications
- Agricultural Equipment
- Construction Equipment
- Lubricating Oils
- Transportation

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
563TJ-4	1/4	6.3	0.47	11.9	3,045	21.0	1.50	38	0.09	0.14	56
563TJ-6	3/8	9.5	0.64	16.3	3,045	21.0	2.00	51	0.19	0.29	56
563TJ-8	1/2	12.7	0.76	19.3	3,045	21.0	2.75	70	0.24	0.36	56

Construction

Tube: Copolyester

Reinforcement: High Tensile Steel Wire Braid

Cover: Polyurethane TOUGHJACKET™

Operating Parameters

Temperature Range:

- Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to +250°F (121°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +185°F (+85°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-1%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

Non-perforated cover

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

590TJ – TOUGHJACKET™ Hydraulic Hose

TOUGHJACKET

Features

- Two wire strength, one wire construction, improved bend radius results
- Twin and multi-line available
- Polyurethane cover for best abrasion resistance

Certifications

- MSHA Accepted

Applications/Markets

- Construction Equipment
- Machine Tools
- Hydrostatic Transmission
- Refuse Vehicles
- Agriculture Equipment
- Excellent over-the-sheave in lift truck applications

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
590TJ-4	1/4	6.4	0.49	12.4	5,076	35.0	1.75	45	0.13	0.20	56
590TJ-6*	3/8	9.5	0.64	16.3	4,061	28.0	2.25	57	0.19	0.29	56
590TJ-8	1/2	12.7	0.76	19.3	3,553	24.5	3.25	83	0.24	0.36	56
590TJ-12	3/4	19.1	1.08	27.4	2,500	17.2	4.72	120	0.39	0.58	43
590TJ-16	1	25.4	1.42	36.1	2,030	14.0	5.91	150	0.71	1.06	43

Construction

Tube: Copolyester

Reinforcement: Aramid Fiber, High Tensile Steel Wire Braid

Cover: Polyurethane TOUGHJACKET™

Operating Parameters

Temperature Range:

- Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to +250°F (121°C)
- * Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +185°F (+85°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13 43 Series

43 Series – Available from Parker Hose Products Division

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- Non-perforated cover
- *Two wire braid

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

594TJ – TOUGHJACKET™ SAE 100R19 Hydraulic Hose 4,000 psi Constant Working Pressure

TOUGHJACKET

Features

- Four-spiral wire hose performance in a high tensile two-wire braid Construction
- Excellent flexibility
- Consistent long-lengths

Certifications

- Meets/Exceeds SAE 100R19 Performance
- MSHA Accepted

Applications/Markets

- Medium pressure hydraulic applications
- Agricultural Equipment
- Construction Equipment
- Lubricating Oils
- Transportation
- Excellent over-the-sheave in lift truck applications

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
594TJ-4*	1/4	6.3	0.49	12.5	4,061	28.0	1.75	45	0.13	0.19	56
594TJ-6*	3/8	10	0.64	16.3	4,061	28.0	2.50	65	0.19	0.28	56
594TJ-8* **	1/2	13	0.85	21.5	4,061	28.0	3.50	90	0.39	0.59	43
594TJ-10**	5/8	16	1.04	26.4	4,061	28.0	3.94	100	0.59	0.88	43

Construction

Tube: Copolyester

Reinforcement: One or two Braids of High Tensile Steel Wire

Cover: Polyurethane TOUGHJACKET™

Operating Parameters

Temperature Range:

- Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to +212°F (100°C)
- * Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +185°F (+85°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13 43 Series

43 Series – Available from Parker Hose Products Division

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

Non-perforated cover

**Two wire braid

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

510A – Refrigerant Hose

Features

- Compatible with most common hydraulic and refrigeration media

Certifications

- Meets/Exceeds SAE 100R7
- MSHA Accepted except -4

Applications/Markets

- Industrial and mobile refrigeration systems

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series	Field Attachable Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
510A-3	3/16	4.8	.43	10.9	3,000	20.7	2.00	51	.05	.07	56	51
510A-4	1/4	6.4	.47	11.9	2,750	19.0	2.50	64	.05	.08	56	51

Construction

Tube: Proprietary Nylon Blend
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-3%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13 51 Series – pg. E-8

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- Perforated cover
- 51 Series field attachable couplings are not intended for use on hose that has previously been in service

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

510C – General Hydraulic Hose

Features

- Excellent abrasion resistance
- Excellent flexibility
- Low coefficient of friction cover
- Medium pressure service for permanent and field attachable fittings

Certifications

- Meets/Exceeds SAE 100R7 except -2
- MSHA Accepted except -4

Applications/Markets

- Industrial hydraulic systems
- Mobile hydraulic systems
- On-highway hydraulics systems (car carriers & trailers)

READ THE BLOG

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series	Field Attachable Series
#									lbs			
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
510C-2	1/8	3.2	.34	8.6	2,500	17.2	0.50	13	.03	.05	56	–
510C-3	3/16	4.8	.43	10.9	3,250	22.4	0.75	19	.05	.07	56	51*
510C-4	1/4	6.4	.47	11.9	3,000	20.7	1.50	38	.05	.08	56	51*
510C-5	5/16	7.9	.57	14.5	2,500	17.2	1.75	45	.08	.11	56	51
510C-6	3/8	9.5	.64	16.3	2,250	15.5	2.00	51	.10	.14	56	51
510C-8	1/2	12.7	.81	20.6	2,250	15.5	3.00	76	.15	.22	56	51
510C-12	3/4	19.1	1.09	27.7	1,250	8.7	5.00	127	.21	.31	56	51
510C-16	1	25.4	1.32	33.5	1,000	6.9	8.00	203	.27	.40	56	51

Construction

Tube: Copolyester

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- 40°F (-40°C) to +212°F (100°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13 51 Series – pg. E-8

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- Perforated cover
- *3/16" and 1/4" working pressure reduced to 3,000 and 2,750 psi respectively when using field attachable couplings
- 51 Series field attachable couplings are not intended for use on hose that has previously been in service

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

518C – Non-Conductive Hose

Features

- Twin or multi-line constructions available
- High density braid for maximum impulse life without loss of flexibility
- Low coefficient of friction cover

Certifications

- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per ft.
- Meets/Exceeds SAE 100R7 specifications and Electrical Standards except 518C-2 with respect to maximum working pressure
- ANSI A92.2

Applications/Markets

- Medium pressure hydraulic service where hydraulic circuit exposure and contact with high voltage may be encountered
- Aerial lift equipment
- Hydraulic tools where exposure to high voltage may be encountered

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		ANSI A92.2 Max. Working Pressure		SAE 100R7 Max. Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series	Field Attachable Series
#											lbs			
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
518C-2	1/8	3.2	.34	8.6	3,150	21.7	2,500	17.2	0.50	13	.03	.05	56	–
518C-3	3/16	4.8	.43	10.9	3,250	22.4	3,250	22.4	0.75	19	.05	.07	56	51*
518C-4	1/4	6.4	.47	11.9	3,150	21.7	3,000	21.0	1.50	38	.05	.08	56	51*
518C-5	5/16	7.9	.57	14.5	3,150	21.7	2,500	17.2	1.75	45	.08	.11	56	51
518C-6	3/8	9.5	.64	16.3	3,000	20.7	2,250	15.5	2.00	51	.10	.14	56	51
518C-8	1/2	12.7	.81	20.6	3,000	20.7	2,250	15.5	3.00	76	.15	.22	56	51
518C-12	3/4	19.1	1.09	27.7	1,660	11.4	1,250	8.7	5.00	127	.21	.31	56	51
518C-16	1	25.4	1.32	33.5	1,330	9.2	1,000	6.9	8.00	203	.27	.40	56	51

Construction

Tube: Copolyester

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure: (SAE requires 4:1 Design Factor)

- 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

Fittings

56 Series – pg. E-13 51 Series– pg. E-8

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Orange

Notes

- Non-perforated cover
- Lay lines on this hose will have both ANSI and SAE maximum working pressure listed. ANSI A92.2 "Vehicle Mounted Elevating and Rotating Aerial Devices"
- *3/16" and 1/4" working pressure reduced to 3,000 and 2,750 psi respectively when using field attachable couplings
- 51 Series field attachable couplings are not intended for use on hose that has previously been in service

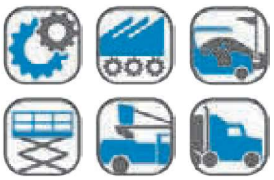
WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

518D – Non-Conductive Hose

Features

- Nylon core for maximum resistance to permeable fluids.
- 518D-4 offers heavier polyurethane jacket improving abrasion resistance and ease of splitting bonded constructions
- Super high density braid allows smaller braid O.D. (518D-4)
- Low coefficient of friction cover
- Twin or multi-line constructions available.

Applications/Markets



- Medium pressure hydraulic service where hydraulic circuit exposure and contact with high voltage may be encountered
- Aerial lift equipment
- Hydraulic tools where exposure to high voltage may be encountered

Certifications

- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per ft.
- Meets/Exceeds SAE 100R7
- ANSI A92.2

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		ANSI A92.2 Max. Working Pressure 73°F/ 23°C		SAE 100R7 Max. Working Pressure 73°F/ 23°C		Minimum Bend Radius		Weight		Permanent Fitting Series
#											lbs		
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
518D-2	1/8	3.2	.34	8.6	3,150	21.7	3,000	21.0	0.50	13	.03	.05	56
518D-3	3/16	4.8	.43	10.9	3,250	22.4	3,250	22.4	0.75	19	.05	.07	56
518D-4	1/4	6.4	.47	11.9	3,150	21.7	3,000	20.7	1.50	38	.06	.09	56
518D-5	5/16	7.9	.57	14.5	3,150	21.7	2,500	17.2	1.75	45	.08	.11	56
518D-6	3/8	9.5	.64	16.3	3,000	20.7	2,250	15.5	2.00	51	.10	.14	56
518D-8	1/2	12.7	.81	20.6	3,000	20.7	2,250	15.5	3.00	76	.15	.22	56
518D-12	3/4	19.1	1.09	27.7	1,660	11.4	1,250	8.7	5.00	127	.21	.31	56

Construction

Tube: Nylon

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure: (SAE requires 4:1 Design Factor)

- 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

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Orange

Notes

- Non-perforated cover
- Lay lines on this hose will have both ANSI and SAE maximum working pressure listed. ANSI A92.2 "Vehicle Mounted Elevating and Rotating Aerial Devices"

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

515H – Compact/Light Weight Hose

Features

- Twin or multi-line available
- Compact O.D., light weight, flexible
- Uses rapid assembly (quick connect) Fittings

Certifications

- MSHA Accepted

Applications/Markets

- Hydraulic and pneumatic systems where a small O.D. hose is necessary
- Pilot Lines
- Joystick Controls

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
515H-4	1/4	6.4	.41	10.4	2,000	13.8	1.50	38	.04	.05	54
515H-6	3/8	9.5	.56	14.2	1,500	10.3	2.00	51	.05	.08	54

Construction

Tube: Copolyester
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

54 Series – pg. E-10

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- Approved with rapid assembly fitting system
- Perforated cover

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

520N/528N – General Hydraulic Hose

Features

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

Certifications

- Meets/Exceeds SAE 100R8
- 520N MSHA Accepted
- 528N Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

Applications/Markets

- Hydraulic and pneumatic circuits and systems
- Hydraulic tool applications
- Ideal in hot water applications

Visit the webpage

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#	#									lbs	kg	
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
520N-3	528N-3	3/16	4.8	.43	10.9	5,000	34.5	1.50	38	.05	.07	56
520N-4	528N-4	1/4	6.4	.51	13.0	5,000	34.5	2.00	51	.07	.10	56
520N-5	528N-5	5/16	7.9	.57	14.5	4,500	31.0	2.50	64	.08	.12	56
520N-6	528N-6	3/8	9.5	.65	16.5	4,000	27.6	2.50	64	.08	.13	56
520N-8	528N-8	1/2	12.7	.81	20.6	3,500	24.1	4.00	102	.14	.20	56

Construction

Tube: Nylon
Reinforcement: Aramid Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13
For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource
Access instructions are on pg. G-14

Colors

- Black
- Orange (Non-Conductive)

Notes

- Perforated cover - 520N
- Non-perforated cover - 528N

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

527BA – Breathing Air Refill Hose

Features

- 7000 psi constant pressure

Certifications (Complies with:)

- CGA G7.1-1 Grade E Breathing Air Standards
- NFPA 1901

Applications/Markets

- Integrated containment fill stations
- Mobile and stationary systems with or without cascade controls
- Mobile Trailer/Truck Systems
- Portable SCBA Fill

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
527BA-3	3/16	4.8	.43	10.9	7,000	48.3	1.50	38	.05	.07	CG
527BA-4	1/4	6.4	.52	13.2	7,000	48.3	2.00	51	.07	.11	CG

Construction

Tube: Nylon

Reinforcement: Aramid Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +180°F (82°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

CG Series – pg. E-56

Steel and Stainless Steel connection configurations limited to:

101CG-2-4 101CG-4-4 102CG-2-4 102CG-4-4
103CG-4-4 13ECG-4-4 106CG-4-4 137CG-4-4
139CG-4-4 141CG-4-4 1L9CG-4-4

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Blue

Notes

- Perforated cover
- Not for use as part of a SCBA systems
- This hose is not for use between a pressure reducing regulator and breathing mask
- For fitting attachment lubricate only with water or non-toxic lubricant. Do not assemble with petroleum or hydrocarbon based lubricants. Do not flush with solvents of any kind
- This hose does not contain a conductive element; therefore, it should not be used with explosive gases such as pure oxygen and hydrogen
- Hose is compliant with CGA Grade E Breathing Air Standards, however air quality is dependent upon all system components

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

53DM/538DM – DuraMax™ Low Temperature

Features

- Low coefficient of friction cover
- Superior flexibility in cold temperature applications
- Better bend radius than SAE J517 and 100R7
- Smaller O.D. than 100R7 and 100R18
- 3000 psi constant pressure

Certifications

- Meets/Exceeds SAE 100R18
- 538DM Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

Applications/Markets

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

Visit the webpage

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#	#									lbs		
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
53DM-4	-	1/4	6.4	.49	12.4	3,000	20.7	1.25	32	.07	.10	56
53DM-6	538DM-6	3/8	9.5	.66	16.8	3,000	20.7	2.00	51	.11	.16	56
53DM-8	-	1/2	12.7	.84	21.3	3,000	20.7	3.50	89	.17	.26	56
53DM-10	-	5/8	15.9	1.03	26.2	3,000	20.7	4.00	102	.22	.33	56
53DM-12	-	3/4	19.1	1.13	28.7	3,000	20.7	6.50	165	.26	.39	CG

Construction

Tube: Copolyester
Reinforcement: Fiber
Cover: Copolyester

Operating Parameters

Temperature Range:

- -70°F (-57°C) to +212°F (100°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13 CG Series – pg. E-56

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

- Black
- Orange (Non-Conductive)

Notes

- Perforated cover - 53DM
- Non-perforated cover - 538DM

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

540N – General Hydraulic Hose

Features

- Matte cover for low coefficient of friction
- Special order Colors
- Twin or multi-line available
- Good chemical compatibility

Certifications

- Meets/Exceeds SAE 100R7
- MSHA Accepted

Applications/Markets

- Hydraulic and pneumatic systems
- Agricultural Spraying
- Polyurethane Foam Mixers
- Hot Water

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
540N-2	1/8	3.2	.34	8.6	3,000	20.7	0.50	13	.03	.05	56
540N-3	3/16	4.8	.44	11.2	3,000	20.7	0.75	19	.04	.06	56
540N-4	1/4	6.4	.50	12.7	2,750	19.0	1.50	38	.07	.10	56
540N-5	5/16	7.9	.58	14.7	2,500	17.2	1.75	45	.07	.10	56
540N-6	3/8	9.5	.65	16.5	2,250	15.5	2.00	51	.09	.13	56
540N-8	1/2	12.7	.81	20.6	2,000	13.8	3.00	76	.13	.19	56
540N-12	3/4	19.4	1.05	26.7	1,250	8.6	6.00	152	.17	.25	56

Construction

Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

Perforated cover

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

540P – Specialty Water Hose

Features

- Plasticizer free non-leaching core tube
- Low-moisture permeability

Certifications

- Meets/Exceeds SAE 100R7
- Core tube compliant with FDA Title 21

Applications/Markets

- Potable water delivery to remote sites
- Distilled and de-ionized water
- Polyurethane Foam Mixers
- Inert gas transfer

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
540P-4	1/4	6.4	.50	12.7	2,750	19.0	1.25	32	.05	.08	56
540P-6	3/8	9.5	.65	16.5	2,250	15.5	2.00	51	.09	.13	56
540P-8	1/2	12.7	.81	20.6	2,000	13.8	3.00	76	.13	.19	56

Construction

Tube: Polyethylene

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +150°F (66°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Aqua

Notes

Perforated cover

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

55LT – Low Temperature Hose

Features

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

Certifications

- Meets/Exceeds SAE 100R7

Applications/Markets

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

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#									lbs		
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
55LT-2	1/8	3.2	.34	8.6	3,000	20.7	0.50	13	.03	.05	56
55LT-3	3/16	4.8	.43	10.9	3,250	22.4	0.75	19	.05	.08	56
55LT-4	1/4	6.4	.51	13.0	3,000	20.7	1.25	32	.07	.10	56
55LT-5	5/16	7.9	.57	14.5	2,500	17.2	1.75	45	.09	.13	56
55LT-6	3/8	9.5	.66	16.8	2,250	15.5	2.00	51	.10	.14	56
55LT-8	1/2	12.7	.81	20.6	2,000	13.8	3.00	76	.14	.21	56

Construction

Tube: Copolyester
Reinforcement: Fiber
Cover: Copolyester

Operating Parameters

Temperature Range:

- -70°F (-57°C) to +212°F (100°C)
- Water/glycol hydraulic fluids limited to +135°F (+57°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

Perforated cover

READ THE BLOG

WARNING
This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

56DH – Diagnostic Hose

Features

- Twin or multi-line available
- Compact O.D.
- Light weight
- Flexible

Certifications

- MSHA Accepted for -2 only

Applications/Markets

- Hydraulic and pneumatic systems where a small O.D. hose is necessary
- Diagnostic hydraulic lines

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#									lbs		
Natural	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
56DH-1.5	.09	2.3	.20	5.1	6,000	41.4	0.25	6	.02	.01	SF
56DH-2	.14	3.6	.32	8.1	6,000	41.4	0.50	13	.03	.05	CY

Construction

Tube: Nylon

Reinforcement: Aramid Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +200°F (93°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

CY Series - pg. E-62 SF Series - pg. E-67

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- Perforated cover

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

575X/575XN – Fast Response Hose

Features

- Light weight
- Low change in length under pressure
- Low volumetric expansion
- Fast response even over longer lengths
- 5000 psi constant pressure

Certifications

- MSHA Accepted for 575X only

Applications/Markets

- Marine, offshore drilling
- Applications requiring fast and accurate response time

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#									lbs		
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
575X-3	3/16	4.8	.43	10.9	5,000	34.5	1.50	38	.05	.07	CG
575X-4	1/4	6.4	.51	13.0	5,000	34.5	2.00	51	.07	.10	CG
575X-6	3/8	9.5	.64	16.3	5,000	34.5	3.00	76	.09	.13	CG
575XN-8	1/2	12.7	.81	20.6	5,000	34.5	4.00	102	.14	.21	CG
575X-12	3/4	19.1	1.15	29.2	5,000	34.5	8.00	203	.24	.36	CG
575X-16	1	25.4	1.59	40.4	5,000	34.5	10.00	254	.48	.70	CG

Construction

Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane; 575XN -8 Nylon

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

CG Series - pg. E-56

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

Non-perforated cover

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

580N/H580N/588N – High Pressure Hose

Features

- Twin and multi-line available
- Lighter weight and smaller O.D. than 100R2

Certifications

- Meets/Exceeds SAE 100R8
- 580N MSHA Approved
- 588N Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

Applications/Markets

- Hydraulic and pneumatic circuits and systems

Visit the webpage

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#	#											
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
580N-8	588N-8*	1/2	12.7	.89	22.6	3,500	24.1	4.00	102	.21	.31	56
580N-10	588N-10*	5/8	15.9	.98	24.9	2,750	19.0	6.00	152	.21	.31	56
580N-12	588N-12*	3/4	19.1	1.15	29.2	2,250	15.5	8.00	203	.23	.35	56
580N-16	588N-16*	1	25.4	1.47	37.3	2,000	13.8	10.00	254	.38	.56	56
H580N-16*	-	1	25.4	1.58	40.1	3,000	20.7	10.00	254	.53	.79	CG

Construction

Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13 *CG Series – pg. E-56
For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource
Access instructions are on pg. G-14

Colors

- Black
- Orange (Non-Conductive)

Notes

- Perforated cover - 580N
- *Non-perforated cover -588N, H580N-16

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

83FR – DuraGard™ General Purpose Polyurethane

Features

- Weld spatter resistant
- Excellent abrasion resistance
- Excellent flexibility
- Compact bend radius
- Specially Formulated Polyurethane tube
- Twin-line or multi-line constructions available

Certifications

- MSHA Accepted
- Non-conductive per SAE J343 test procedures for thermoplastic hose
- UL94HB compliant

Applications/Markets

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

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series	Push-Lok Fitting*
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
83FR-4	1/4	6.4	.48	12.2	300	2.1	1.00	25	.05	.07	56	82*
83FR-6	3/8	9.5	.60	15.2	300	2.1	2.00	51	.08	.11	56	82*
83FR-8	1/2	12.7	.76	19.3	300	2.1	2.50	64	.12	.17	56	82*
83FR-12	3/4	19.1	1.04	26.4	300	2.1	3.50	89	.19	.28	56	82*

Construction

Tube: Specially Formulated Polyurethane
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -20°F (-29°C) to +200°F (93°C)

Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13
82 Series – Available from Parker Hose Products Division
For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource
Access instructions are on pg. G-14

Colors

- Black (BLK)
- Blue (BLU)
- Brown (BRN)
- Green (GRN)
- Gray (GRA)
- Red (RED)

Notes

- *Temperature and pressure reduced with 82 series Push-Lok Fitting:
  -20°F (-29°C) to +145°F (+63°C)
  175 psi maximum working pressure
- Non-perforated cover

WARNING
This product can expose you to chemicals including Antimony Oxide (Antimony Trioxide), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

1035HT – High Temperature Power Cleaning

Features

- Non-marring
- Broad temperature range

Applications/Markets

- Pressure Washers (low pressure)
- Carpet Cleaning

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
1035HT-4	1/4	6.4	.50	12.7	1,750	12.1	1.50	38	.06	.08	56

Construction

Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +230°F (110°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Yellow

Notes

- Perforated cover
- No chlorinated solvents should be used
- Also available with a blue jacket (1035HT-4-BLU) upon request
- HBR (Hose Bend Restrictor) suggested for carpet cleaning applications - See Hose Guard in Tooling Equipment and Accessories Section pg. F-18

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

B9 - General Purpose Transfer Hose

Features

- Excellent flexibility
- Light Weight
- Specially Formulated Polyurethane core tube for good chemical compatibility

Applications/Markets

- Low pressure transmission of air, oil, water, and coolants

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series	Field Attachable Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
B903	3/16	4.8	.39	9.9	250	1.7	1.00	25	.04	.06	56	–
B904	1/4	6.4	.46	11.7	250	1.7	1.50	38	.05	.07	56	82*
B905	5/16	7.9	.55	14.0	250	1.7	2.00	51	.08	.12	56	–
B906	3/8	9.5	.64	16.3	250	1.7	3.00	76	.09	.13	56	82*
B908	1/2	12.7	.78	19.8	250	1.7	3.00	76	.13	.19	56	82*
B910	5/8	15.8	.92	23.4	250	1.7	4.00	102	.20	.30	56	82*

Construction

Tube: Specially Formulated Polyurethane

Reinforcement: Fiber

Cover: Specially Formulated Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +200°F (93°C)
- Water/and water based fluids up to +130°F (+54°C)

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

82 Series – Available from Parker Hose Products Division

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

- Red
- Black (BLK)

Notes

- *Temperature and pressure reduced with 82 series Push-Lok Fitting:
  -20°F to +100°F (-29°C to +38°C)
  100 psi maximum working pressure
- Non-perforated cover

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

5CNG – Electrically Conductive Compressed Natural Gas Hose

Features

- Twin constructions available

Certifications

Conforms to:

- ANSI/CSA NGV 4.2*CSA 12.52 (Class A, Class D)
- ECE R110 CNG Class 6
- ANSI NGV 3.1*CSA 12.3 (Class B - P36) 5CNG-8 only
- NFPA 52
- CSA Certified (www.csagroup.org)

Applications/Markets

- CNG Dispenser/Refueling
- Fleet Transit/On-Vehicle
- CNG Fuel Transfer

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight	
#									lbs	
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.
5CNG-4	1/4	6.4	.55	14.0	5,000	34.5	2.00	51	.08	.11
5CNG-6	3/8	9.5	.65	16.5	5,000	34.5	3.00	76	.09	.13
5CNG-8	1/2	12.7	.90	22.9	5,000	34.5	4.00	102	.21	.31
5CNG-12	3/4	19.1	1.19	30.2	5,000	34.5	7.50	191	.24	.36
5CNG-16	1	25.4	1.59	40.4	5,000	34.5	10.00	254	.36	.53

Construction

Tube: Electrically Conductive Nylon

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +185°F (85°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

CG Series – pg. E-56

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Color

Red

Notes

- Assemblies only - CNG hose must be assembled at the factory or by a Parflex approved facility
- Perforated cover
- Appropriate wire and vinyl guards must be used on ANSI/CSA compliant single-line and twin-line bonded hose assemblies. -4 to -8 SS wire guards - pg. F-19 -12 & -16 Vinyl guards - pg. F-18

Accessories

- 5PSG - Stainless steel spring guard
- CNGG5 - Vinyl hose guard

WARNING
This product can expose you to chemicals including Carbon Black Extracts, which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CNGRP – Regulated Pressure Natural Gas Hose - Electrically Conductive

Features

- For use downstream of pressure regulator

Certifications

Conforms to:

- ANSI CSA NGV 3.1
- NFPA 52
- CSA 12.3, Class C
- CSA Certified (www.csagroup.org)

Applications/Markets

- On-vehicle
  - Approved for both under body and engine compartment installations

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight	
#									lbs	
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.
CNGRP-10	1/2	12.7	0.89	22.6	500	3.45	4.00	102	.26	.39
CNGRP-12	5/8	15.9	1.04	26.4	500	3.45	5.00	127	.30	.45

Construction

Tube: Electrically Conductive Nylon
Reinforcement: Stainless Steel
Cover: TPV

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +250°F (121°C)

Change in length at Max. Working Pressure: +2%/-4%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

91N Series – pg. E-34

10691N-10-10C, 10691N-8-10C, 10691N-12-12C, 1JC91N-12-12C, 1TU91N-10-12C, 1TU91N-12-12C, 1AL91N-10-12C, 1AL91N-12-12C, 10691N-10-12C

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource
Access instructions are on pg. G-14

Colors

Red

Notes

- For use with natural gas only
- Factory-made assemblies only
- For sizes 3, 4 and 6 please contact the division for information on 8LPG hose which is certified according to ECE R 67 class 1, ECE R110 and AS/NZS 1869

WARNING
This product can expose you to chemicals including Carbon Black Extracts, which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HLB – Lubrication Line Hose

Features

- HLB remote lubrication system versus 1/4" rubber hoses can save money per line in reduced component and installation labor costs
- Unique GK bulkhead hose fittings with integrated nipple can save money per zerk connection in unnecessary adapter costs
- Compact 1/8" hoses save hundreds of dollars of waste in your operation by eliminating gallons of unnecessary "in-line" grease versus larger bore rubber hoses

Certifications

- MSHA Accepted

Applications/Markets

- Grease and lubrication lines
- Agriculture

Construction

- Industrial

- Material Handling
- Mobile Equipment
- Transportation
- General purpose hydraulic systems

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series	Field Attachable Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
HLB02	1/8	3.2	.32	8.1	3,000	20.7	.50	13	.03	.04	CY	BU
HLB03	3/16	4.8	.41	10.4	3,000	20.7	.75	19	.06	.08	CY	BU

Construction

Tube: Copolyester

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)
- Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to +135°F (+57°C)
- BU Series Field Attachable Fitting limited to 120°F (53°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-3%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

CY Series – pg. E-62 BU Series – pg. E-55

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- Non-perforated cover
- Not for use as a whip hose on hand-operated grease guns

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

MSH – Marine Steering Fast Response Hose

Features

- Fast, accurate response
- Permanent or field attachable Fittings
- Salt water, corrosion resistant

Applications/Markets

- Marine hydraulic steering systems

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series	Field Attachable Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
MSH-5	5/16	7.9	.48	12.2	1,000	6.9	2.25	57	.05	.07	MS	MS
MSH-6	3/8	9.5	.59	15.0	1,000	6.9	3.00	76	.07	.11	MS	MS

Construction

Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +200°F (93°C)

Vacuum Rating: 28 inch Hg
Change in length at Max. Working Pressure: +/-2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

MS Series – pg. E-65

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- Non-perforated cover
- Bend restrictions are available only for permanent Fittings
- HBR (Hose Bend Restrictor) available for Marine Steering Hose Assemblies. See Hose Guard in Tooling Equipment and Accessories Section pg. F-18

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

MSXL Marine Hydraulic Steering Hose

Features

- Fast, accurate response in marine steering systems
- Low volumetric expansion
- Salt water resistant cover

Applications/Markets

- Marine hydraulic steering systems

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
MSXL-5	5/16	7.9	.50	12.7	1,500	10.3	2-1/4	57	.05	.07	MS

Construction

Tube: Nylon

Reinforcement: Aramid Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +185°F (85°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

MS Series Permanent Crimp – pg. E-65

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- MS Series Permanent Crimp Fittings only
- Non-perforated cover
- HBR (Hose Bend Restrictor) available for Marine Steering Hose Assemblies. See Hose Guard in Tooling Equipment and Accessories Section pg. F-18

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

PTH – Marine Power Tilt Hose

Features

- Compact design
- Abrasion resistant polyurethane cover
- Excellent flexibility
- Corrosion resistant

Applications/Markets

- Power tilt mechanisms for outboard and stern drive engines
- Trim Tab assemblies
- Jack Plate assemblies

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
PTH-3	3/16	4.8	.43	10.9	3,000	20.7	0.75	19	.08	.11	92

Construction

Tube: Nylon

Reinforcement: Fiber and Stainless Steel Wire

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +212°F (100°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

92 Series – pg. E-43

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Clear

Notes

- Non-perforated cover
- Also available as custom order with black cover
- SS wire overbraid for enhanced kink resistance and cut through protection

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

S5N – Predator® Hose (Water Jetting/Lateral Cleaning)

Features

- Easily identified lime green cover signifies 4000 psi constant pressure
- Slim profile and light weight provide easy handling and routing

Certifications

- NSWMA (National Solid Waste Management Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)

Applications/Markets

- High-pressure water equipment for cleaning or debris removal in lateral sewer lines

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
S508N	1/2	12.7	.81	20.6	4000	28	4.00	102	.16	.24	56

Construction

Tube: Gray Nylon

Reinforcement: Aramid Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +135°F (57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series – pg. E-13

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Green

Notes

- All standard assembly lengths coupled with rigid male pipe each end
- Not for use in hydraulic applications
- Perforated cover

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

S6 – Predator® Hose (Sewer Cleaning)

Features

- Easily identified orange cover signifies 2500 psi constant pressure
- Bonded construction provides excellent kink resistance and flexibility

Certifications

- NSWMA (National Solid Waste Management Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)

Applications/Markets

- High-pressure and high-volume water equipment for cleaning or debris removal in large sewer lines

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
S612	3/4	19.1	1.14	29.0	2,500	17.2	4.00	102	.29	.43	SQ/HY
S616	1	25.4	1.41	35.8	2,500	17.2	6.00	152	.38	.57	SQ/HY

Construction

Tube: Gray Copolyester

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +135°F (57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

Fittings

SQ Series (Swage Only)– pg. E-68

HY Series – Available from Parker Hose Products Division

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Orange

Notes

- All standard assembly lengths coupled with rigid male pipe each end
- Not for use in hydraulic applications
- Perforated cover

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

S9 – Predator® Hose (Sewer Cleaning)

Features

- Easily identified blue cover signifies 3000 psi constant pressure
- Bonded construction provides excellent kink resistance and flexibility

Certifications

- NSWMA (National Solid Waste Management Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)

Applications/Markets

- High-pressure and high-volume water equipment for cleaning or debris removal in large sewer lines

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
S912	3/4	19.1	1.15	29.2	3,000	20.7	4.00	102	.30	.45	SQ/HY
S916	1	25.4	1.47	37.3	3,000	20.7	8.00	203	.46	.68	SQ/HY

Construction

Tube: Gray Copolyester

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +135°F (57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

Fittings

SQ Series (Swage Only)– pg. E-68

HY Series – Available from Parker Hose Products Division

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Blue

Notes

- All standard assembly lengths coupled with rigid male pipe each end
- Not for use in hydraulic applications
- Perforated cover

WARNING
This product can expose you to chemicals including Nickel Compounds which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

919/919B – PTFE Hose

Features

- Excellent chemical compatibility
- Handles extreme temperatures to +450°F
- Environmentally safe
- Resists moisture
- Low friction minimizes pressure drops and deposits

Certifications

- Meets/Exceeds SAE 100R14A - 919
- Meets/Exceeds SAE 100R14B - 919B
- FDA 21 CFR 177.1550 (Natural tube)

Applications/Markets

- Chemical Transfer Lines
- General Hydraulics
- Compressed Air/Gases
- Adhesive Dispensing
- Coolant Lines

Visit the webpage

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#	#													
Natural	Static-Dissipative	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
919-4	919B-4	3/16	4.8	0.33	8.2	3,000	20.7	2.00	51	28	.06	.09	91N	90
919-5	919B-5	1/4	6.4	0.40	10.1	3,000	20.7	3.00	76	28	.09	.13	91N	90
919-6	919B-6	5/16	7.9	0.46	11.6	2,500	17.2	4.00	102	28	.10	.15	91N	90
919-8	919B-8	13/32	10.3	0.56	14.3	2,000	13.8	5.00	127	28	.13	.19	91N	90
919-10	-	1/2	12.7	0.66	16.8	1,500	10.3	6.50	165	28	.15	.22	91N	90
919-12	-	5/8	15.9	0.77	19.6	1,200	8.3	7.50	191	12	.19	.28	91N	90
919-16	-	7/8	22.2	1.06	26.9	1,000	6.9	9.00	229	14	.27	.40	91N	90
919-20	-	1-1/8	28.6	1.32	33.5	625	4.3	16.00	406	10	.39	.58	91	90

Construction

Tube: 919 - Natural FDA Compliant PTFE
919B - Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel Braid

Operating Parameters

Temperature Range:

- -100°F (-73°C) to +450°F (232°C)

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

90 Series – pg. E-29 91N Series – pg. E-34

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Notes

- Use hose type 919B with static-dissipative core tube when conveying non-conducting fluids such as oils, paints, fuels, steam, etc.
- Constructed with minimum .030" PTFE tube wall thickness

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

919J – Silicone Covered PTFE Hose

Features

- Silicone cover provides a clean, smooth cover to protect the stainless steel wire reinforcement against wear, fraying and contaminants
- Steam cleanable

Certifications

- Meets/Exceeds SAE 100R14A
- FDA 21 CFR 177.1550

Applications/Markets

- Chemical Transfer Lines
- General Hydraulics
- Compressed Air/Gases
- Adhesive Dispensing
- Coolant Lines

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
919J-4-RED	3/16	4.8	0.45	11.4	3,000	20.7	2.00	51	28	.12	.18	91N
919J-5-RED	1/4	6.4	0.52	13.2	3,000	20.7	3.00	76	28	.14	.21	91N
919J-6-RED	5/16	7.9	0.58	14.7	2,500	17.2	4.00	102	28	.17	.25	91N
919J-8-RED	13/32	10.3	0.68	17.3	2,000	13.8	5.00	127	28	.20	.30	91N
919J-10-RED	1/2	12.7	0.78	19.8	1,500	10.3	6.50	165	28	.24	.35	91N
919J-12-RED	5/8	15.9	0.91	23.1	1,200	8.3	7.50	191	12	.29	.43	91N
919J-16-RED	7/8	22.2	1.15	29.2	1,000	6.9	9.00	229	14	.38	.56	91N

Construction

Tube: Natural FDA compliant PTFE

Reinforcement: 304 Stainless Steel Braid

Cover: Extruded Silicone

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +450°F (232°C)

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

91N Series – pg. E-34

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Red

Notes

- Cover must be skived prior to fitting attachment
- Constructed with minimum .030" PTFE tube wall thickness

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

919U – High Abrasion Resistance PTFE Hose

Features

- Non-Marring, abrasion resistant polyurethane cover protects the stainless steel wire reinforcement against wear, fraying and contaminants

Certifications

- Meets/Exceeds SAE 100R14A but operates at a temperature range of -40°F to +275°F
- FDA 21 CFR 177.1550

Applications/Markets

- Chemical Transfer Lines
- General Hydraulics
- Compressed Air/Gases
- Adhesive Dispensing
- Coolant Lines

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
919U-4	3/16	4.8	0.37	9.4	3,000	20.7	2.00	51	28	.08	.13	91N
919U-6	5/16	7.9	0.51	13.0	2,500	17.2	4.00	102	28	.13	.20	91N
919U-8	13/32	10.3	0.61	15.5	2,000	13.8	5.00	127	28	.15	.22	91N
919U-12	5/8	15.9	0.84	21.4	1,200	8.3	7.50	191	12	.22	.33	91N
919U-16	7/8	22.2	1.12	28.5	1,000	6.9	9.00	229	14	.31	.47	91N

Construction

Tube: Natural FDA compliant PTFE
Reinforcement: 304 Stainless Steel Braid
Cover: Polyurethane

Operating Parameters

Temperature Range:

- -40°F (-40°C) to +275°F (135°C)

Change in length at Max. Working Pressure: +2% to -4%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

91N Series – pg. E-34

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

● Black

Notes

- Cover must be skived prior to fitting attachment
- Constructed with minimum .030" PTFE tube wall thickness

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

929/929B – Heavy Wall PTFE Hose

Features

- Excellent kink resistance
- Enhanced resistance to gas permeation due to increased PTFE wall thickness (.040")

Certifications

- Meets/Exceeds SAE 100R14A - 929
- Meets/Exceeds SAE 100R14B - 929B
- FDA 21 CFR 177.1550 (Natural tube)

Applications/Markets

- Chemical Transfer Lines
- General Hydraulics
- Compressed Air/Gases
- Adhesive Dispensing
- Coolant Lines

Visit the webpage

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#										lbs		
Natural	Static-Dissipative	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
929-4	929B-4	3/16	4.8	0.35	8.9	3,000	20.7	2.00	51	28	.08	.12	91N
929-6	929B-6	5/16	7.9	0.47	11.9	2,500	17.2	4.00	102	28	.12	.18	91N
929-8	929B-8	13/32	10.3	0.59	15.0	2,000	13.8	4.60	117	28	.16	.23	91N
-	929B-12	5/8	15.9	0.79	20.1	1,200	8.3	6.50	165	12	.19	.28	91N
-	929B-16	7/8	22.2	1.14	29.0	1,250	8.6	7.40	188	12	.49	.73	91N

Construction

Tube: 929 - Natural FDA Compliant PTFE
929B - Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel Braid

Operating Parameters

Temperature Range:

- -100°F (-73°C) to +450°F (232°C)

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

91N Series – pg. E-34

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Notes

- Use hose type 929B with static-dissipative core tube when conveying non-conducting fluids such as oils, paints, fuels, steam, etc.
- Constructed with minimum .040" PTFE tube wall thickness

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

929BJ – Silicone Covered PTFE Hose (with Static-Dissipative Tube)

Features

- Silicone cover protects SS wire reinforcement against wear and fraying, up to 450°F
- Silicone cover provides clean, smooth cover and prevents contaminants from accumulating in braid
- Excellent kink resistance
- Enhanced resistance to gas permeation due to increased PTFE wall thickness
- Steam cleanable

Applications/Markets

- Vacuum lines for high temperature autoclaves
- General Hydraulics
- Compressed Air/Gases

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#										lbs		
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
929BJ-4	3/16	4.8	0.58	14.7	3,000	20.7	2.00	51	28	.17	.25	91N
929BJ-6	5/16	7.9	0.70	17.8	2,500	17.2	4.00	102	28	.23	.34	91N
929BJ-8	13/32	10.3	0.81	20.6	2,000	13.8	4.60	117	28	.29	.43	91N
929BJ-12	5/8	15.9	1.04	26.4	1,200	8.3	6.50	165	12	.43	.64	91N
929BJ-16	7/8	22.2	1.36	34.5	1,250	8.6	7.40	188	12	.78	1.16	91N

Construction

Tube: Black Static-Dissipative PTFE
Reinforcement: 304 Stainless Steel Braid
Cover: Silicone

Operating Parameters

Temperature Range:

- -65°F (-54°C) to +450°F (232°C)

Change in length at Max. Working Pressure: +2% to -4%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

91N Series – pg. E-34

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Colors

Brown

Notes

- Cover must be skived prior to fitting attachment
- Constructed with minimum .040" PTFE tube wall thickness

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

939/939B – Convoluted PTFE Hose

Features

- Excellent flexibility
- Exceptional kink resistance

Certifications

- FDA 21 CFR 177.1550 (Natural tube)

Applications/Markets

- Chemical Transfer
- General Hydraulics
- Hose applications requiring tight routings

Visit the webpage

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#										lbs		
Natural	Static-Dissipative	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
939-6	939B-6	3/8	9.5	0.59	15.0	1,500	10.3	2.25	57	28	.12	.18	93N
939-8	939B-8	1/2	12.7	0.79	20.1	1,350	9.3	2.88	73	28	.21	.31	93N
939-10	939B-10	5/8	15.9	0.88	22.4	1,000	6.9	3.00	76	28	.24	.36	93N
939-12	939B-12	3/4	19.1	1.09	27.7	1,100	7.6	3.75	95	28	.32	.47	93N
939-16	939B-16	1	25.4	1.33	33.8	1,000	6.9	5.00	127	28	.45	.67	93N
939-20	939B-20	1-1/4	31.8	1.75	44.5	1,000	6.9	6.25	159	20*	.70	1.04	93N
939-24	939B-24	1-1/2	38.1	2.05	52.1	750	5.2	7.50	191	12*	.80	1.18	93N
939-32	939B-32	2	50.8	2.56	65.0	250	1.7	10.00	254	5*	1.01	1.50	93N

Construction

Tube: 939 - Natural FDA Compliant PTFE
939B - Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel Braid

Operating Parameters

Temperature Range:

- -100°F (-73°C) to +450°F (232°C)

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

93N Series – pg. E-44

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Notes

- Use hose type 939B with static-dissipative core tube when conveying non-conducting fluids such as oils, paints, fuels, steam, etc.
- *28 in/Hg can be obtained by using 2799 internal spring guard. See pg. F-20

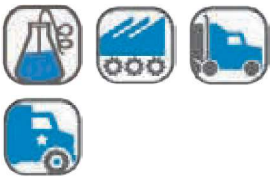
WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

944B – 4,000-4,500 psi W.P. High Temp Hose

Features

- Excellent chemical compatibility
- Resists moisture
- Low friction minimizes pressure drops and deposits

Applications/Markets



- General Hydraulics
- Chemical Transfer
- Compressed Air/Gases

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.
944B-6	5/16	8	.49	12	4,500	31.0	2.50	64	28	.17	.24
944B-8	7/16	11	.62	16	4,500	31.0	2.88	73	28	.25	.35
944B-10	1/2	13	.73	19	4,000	27.6	3.25	83	28	.31	.45
944B-12	5/8	16	.99	25	4,000	27.6	4.00	102	28	.74	1.05
944B-16	29/32	23	1.25	32	4,000	27.6	5.00	127	28	1.09	1.55

Construction

Tube: Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel Braid

Operating Parameters

Temperature Range:

- -65°F (-54°C) to +400°F (204°C)

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 3x Max. Working Pressure at 73°F (23°C)

Fittings

94 Series – pg. E-47

Notes

- Factory-made assemblies only
- Reduce pressure to 3,000 psi (20.7MPa) for pressure impulse applications

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

955B – 5,500 psi W.P. High Temp Hose

Features

- Excellent chemical compatibility
- Resists moisture
- Low friction minimizes pressure drops and deposits

Applications/Markets

- General Hydraulics
- Chemical Transfer
- Compressed Air/Gases
- Ground Support

Visit the webpage

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.
955B-4	15/64	5.9	0.50	12.7	5,500	37.9	3.00	76	28	.23	.34
955B-6	5/16	7.9	0.62	15.7	5,500	37.9	5.00	127	28	.24	.35
955B-8	7/16	11.1	0.75	19.1	5,500	37.9	5.75	146	28	.46	.68
955B-10	1/2	12.7	0.91	23.1	5,500	37.9	6.50	165	28	.91	1.34
955B-12	5/8	15.9	1.08	27.4	5,500	37.9	7.75	197	28	.92	1.36
955B-16	29/32	23.0	1.36	34.5	5,500	37.9	9.63	245	28	1.20	1.77

Construction

Tube: Black Static-Dissipative PTFE

Reinforcement: Multiple high density braids of 304 Stainless Steel

Operating Parameters

Temperature Range:

- -65°F (-54°C) to +400°F (204°C)

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 16,000 psi at 73°F (23°C)

Fittings

95 Series – pg. E-47

Notes

- Factory-made assemblies only
- Reduce operating pressure to 4000 psi (27.6 MPa) for impulse service applications

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

STW/STB - "TRUE BORE"
Smoothbore PTFE Hose, Stainless Steel Braid

Features

- High temperature hose
- Excellent chemical compatibility
- Resists moisture
- Low friction minimizes pressure drops and deposits

Compliances

- FDA 21 CFR 177.1550 (Natural tube)
- USP Class VI
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets

- Fluid Handling
- Chemical Transfer
- Paint
- Pharmaceutical
- Food & Beverage
- Cosmetics

Visit the webpage

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#										lbs		
Natural	Static-Dissipative	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.	
04-STW	04-STB	1/4	6.4	.37	9.4	3,000	207	3	76	28	.08	.13	PAGE
06-STW	06-STB	3/8	9.5	.51	13.0	2,000	138	5	127	28	.11	.16	PAGE
08-STW	08-STB	1/2	10.3	.63	16.0	1,750	121	6.50	165	28	.16	.24	PAGE
12-STW	12-STB	3/4	19.1	.88	22.4	1,000	69	8.50	216	28	.20	.30	PAGE
16-STW	16-STB	1	25.4	1.13	28.7	1,000	69	12	305	20	.33	.49	PAGE
20Z-STW	20Z-STB	1-1/4	31.8	1.52	38.6	1,000	69	14	356	18	.68	1.02	PAGE
24Z-STW	24Z-STB	1-1/2	38.1	1.73	43.9	900	62	15	381	15	.79	1.18	PAGE

Construction

Tube: STW - Natural FDA Compliant PTFE
STB - Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel Braid

Operating Parameters

Temperature Range:

- -100°F (-73°C) to +450°F (232°C)

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Pressure ratings based on 73°F (23°C)

Decrease working pressure 1% for every 2°F above 212°F

Fittings

PAGE Fittings – pg. E-48

Uses crimp collar ST300, see pg. E-49

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Notes

- "Z" indicates double braid
- See pg. A-21 for part numbering system
- Cannot be used with 90 or 91N series fittings

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SCW/SCB - Convoluted PTFE Hose
316 Stainless Steel Braid

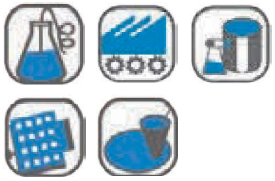
Features

- High temperature hose
- Excellent corrosion resistance
- Seamless
- Open pitch
- Self draining
- Environmentally safe; low effusion

Compliances

- FDA 21 CFR 177.1550 (Natural tube)
- USP Class VI
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets



- Fluid Handling
- Chemical Transfer
- Semiconductor

Visit the webpage

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Static-Dissipative	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.	
04-SCW	04-SCB	1/4	6.4	.46	11.7	1,500	104	0.75	19	28	.08	.11	PAGE
06-SCW	06-SCB	3/8	9.5	.54	13.7	1,500	104	1	25	28	.14	.21	PAGE
08-SCW	08-SCB	1/2	12.7	.72	18.3	1,500	104	1.50	38	28	.16	.23	PAGE
12-SCW	12-SCB	3/4	19.1	1.02	25.9	1,200	83	2	51	28	.27	.40	PAGE
16-SCW	16-SCB	1	25.4	1.31	33.3	1,000	69	2.50	64	28	.37	.55	PAGE
20-SCW	20-SCB	1-1/4	31.8	1.73	43.9	750	52	3	76	28	.46	.68	PAGE
24-SCW	24-SCB	1-1/2	38.1	1.93	49.0	650	45	3.75	95	28	.55	.81	PAGE
32-SCW	32-SCB	2	50.8	2.42	61.5	450	31	4.75	121	28	.90	1.4	PAGE

Construction

Tube: SCW - Natural FDA Compliant PTFE
SCB - Black Static-Dissipative PTFE

Reinforcement: 316 Stainless Steel Braid

Operating Parameters

Temperature Range:

- -100°F (-73°C) to +500°F (260°C)

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Pressure ratings based on 73°F (23°C)

Decrease working pressure 1% for every 2°F above 212°F

Fittings

PAGE Fittings – pg. E-48

Uses crimp collar SC300, see pg. E-49

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-14

Notes

- See pg. A-21 for part numbering system
- Cannot be used with 93N series fittings

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SCWV/SCBV
Stainless Steel Braid, Heavy Wall Convoluted PTFE Hose

Features

- Thicker wall
- Handles vacuum applications at elevated temperatures
- Flare-Seal fittings - Continuous PTFE through the fitting, no area for material entrapment and increased flow
- Excellent chemical compatibility
- Easy Cleaning


Flare-Seal

Applications/Markets

- Fluid Handling
- Chemical Transfer
- Semiconductor
- Food & Beverage (Flare-Seal)

Compliances

- FDA 21 CFR 177.1550 (Natural tube)
- USP Class VI
- ISO 10993 Sections 5, 6, 10, 11

Visit the webpage

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#	#											
Natural	Static-Dissipative	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.
08-SCWV	08-SCBV	1/2	12.7	.75	19.1	1,500	104	2	51	28	.17	.26
12-SCWV	12-SCBV	3/4	19.1	1.04	26.4	1,200	83	2.75	70	28	.33	.49
16-SCWV	16-SCBV	1	25.4	1.25	31.8	1,000	69	4	102	28	.37	.55
20-SCWV	20-SCBV	1-1/4	31.8	1.66	42.2	750	52	5.50	140	28	.56	.83
24-SCWV	24-SCBV	1-1/2	38.1	1.92	48.8	650	45	7	178	28	.64	.95
32-SCWV	32-SCBV	2	50.8	2.49	63.2	450	31	8.50	216	28	.84	1.24
40-SCWV*	40-SCBV*	2-1/2	63.5	3.25	82.6	200	14	12	305	28	1.52	2.26
48-SCWV*	48-SCBV*	3	76.2	3.80	96.5	175	12	14	356	28	1.82	2.71
64-SCWV*	64-SCBV*	4	101.6	4.76	120.9	150	10	16	406	28	2.10	3.13

Construction

Tube: SCWV - Natural FDA Compliant PTFE
SCBV - Black Static-Dissipative PTFE

Reinforcement: 316 Stainless Steel Braid

Operating Parameters

Temperature Range:

- -100°F (-73°C) to +500°F (260°C)

Change in length at Max. Working Pressure: +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Pressure ratings based on 73°F (23°C)

Decrease working pressure 1% for every 2°F above 212°F

Fittings

PAGE Fittings – pg. E-48

Notes

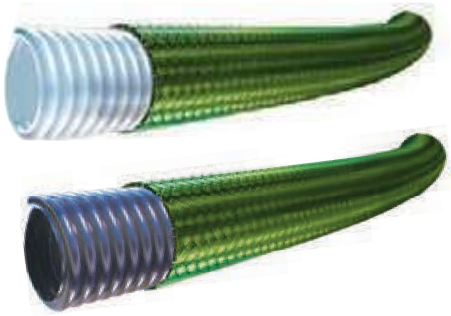
- Factory-made assemblies only
- See pg. A-21 for part numbering system

Cannot be used with 93N Series Fittings

- *Vacuum wire recommended to achieve 28 inch rating

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

NCW/NCB - Seamless Convoluted PTFE
with Nomex® Braid



Features

- Very light weight
- Superior flexibility
- Kink and vacuum resistant
- Eliminates RFI issues

Compliances

- FDA21 CFR 177.1550 (Natural tube)
- USP Class VI
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets

- Fluid Handling
- Chemical Transfer
- Paint
- Pharmaceutical
- Food & Beverage
- Cosmetics

Visit the webpage

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#	#										lbs	
Natural	Static-Dissipative	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.
04-NCW	04-NCB	.260	6.6	.460	11.7	725	50	1	25	28	.02	.03
06-NCW	06-NCB	.370	9.4	.560	14.2	400	28	1-1/2	38	28	.06	.09
08-NCW	08-NCB	.500	12.7	.740	18.8	280	19	2	51	28	.08	.12
12-NCW	12-NCB	.750	19.1	1.010	25.7	200	14	2-1/2	64	28	.14	.22
16-NCW	16-NCB	1.000	25.4	1.290	32.8	200	14	4	102	28	.22	.32

Construction

Tube: NCW - Natural PTFE
NCB - Black Static Dissipative PTFE
Reinforcement: Nomex® braid

Operating Parameters

Temperature Range:

- -100°F (-73°C) to +400°F (204°C)

Change in length at Max. Working Pressure: +2% to -4%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
Pressure ratings based on 73°F (23°C)
Decrease working pressure 1% for every 2°F above 212°F

Fittings

PAGE Fittings – pg. E-48

Notes

- Factory-made assemblies only
- NCB (Static Dissipative) tube I.D. surface only
- NCB Conductive Spec - Must conduct 20 microamps 1000 VDC potential 14" sample
- See pg. A-21 for part numbering system
- Cannot be used with 93N series fittings

Nomex® is a registered trademark of E. I. du Pont de Nemours and Company.

WARNING
This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Metal Hose 9A, 9M, 9P

See CATALOG 4690MH for technical information

Features:

- Hydroformed annular core tube
- High percentage braid coverage for better life cycle and protection against core damage
- 9A - General Purpose - up to 2,700 psi working pressures
- 9M - Ultra Flexible - Compressed corrugations for increased flexibility, up to 2,700 psi working pressure
- 9P - High Pressure - up to 6,000 psi working pressure, Parker's highest pressure metal hose construction

Applications/Markets

- Abrasion and over bending – as a protective cover over wires or other hoses to prevent these problems
- Chemical transfer
- Diesel engine exhaust
- Hot oil and lube lines
- Loading/unloading of light oils, gas, and chemicals
- Petrochemical
- Power Gen
  - Connections for the fuel rail to the combustion cans on gas turbine fuel lines
  - Pump connections
- Pulp & Paper
- Solvent and steam lines

Metal Hose Size and Performance Specifications			
Inside Diameter (in.)	9A	9M	9P
1/4	•	•	•
3/8	•	•	•
1/2	•	•	•
5/8	•	•	•
3/4	•	•	•
1	•	•	•
1-1/4	•	•	•
1-1/2	•	•	•
2	•	•	•
2-1/2	•	•	•
3	•	•	•
4	•	•	•
5	•	•	
6	•	•	

For sizes larger than 6", contact customer service.

Construction

Tube: 300 series SS

Reinforcement: 300 series SS braid: 0, 1or 2 layers

Operating Parameters

Temperature Range:
-380°F (-228°C) to +1200°F (+648°C)

Working Pressure
Reference individual pages and derating charts in CAT 4690MH

For technical information, download CAT 4690

See CATALOG 4690MH for technical information

Multitube® BOP Bundles, Electro-Hydraulic Umbilicals and Hotlines

Features:

- Dependability and Experience - Over 30 years of Oil & Gas thermoplastic hose design and engineering experience
- Field Tested - Over 750,000 feet of bundles and over 40 million feet of pilot hose produced for rigs
- Capabilities - BOP umbilical lengths up to 7,000+ ft and 90+ pilot hoses within 1 umbilical
- Extended Service Life - Compact pilot hose design allows for more spares to be installed in the bundle without increasing the O.D.

Applications/Markets

- Oil & Gas

For technical information, contact customer services

BOP Umbilicals with Velocity Hose

Parker offers premier hose solutions for every aspect of hydraulic BOP controls. Parker's BOP umbilicals are used on offshore drilling rigs to control the subsea BOP stack. They have a smaller O.D. which means Parker can produce BOP umbilicals with more pilot lines without increasing the O.D. of the umbilical. The umbilical is built with Velocity Hose to allow for precise control and faster response times when activating subsea valves on the BOP pod.

Electro-Hydraulic Umbilicals

Parker is an industry leader in designing short length electro-hydraulic umbilicals for offshore applications. We also produce high-pressure subsea hoses, (1/4", 3/8" and 1/2" I.D.) in compliance to API 17e and pressure ratings up to 15,000 psi. These hoses can be combined into an umbilical configuration with electrical power cables included.

Hotline Hose

Subsea Hotline's are the primary emergency hydraulic control line providing critical service for various subsea functions. Parker Hotline hoses are specially designed to provide fast response time and low volumetric expansion with length capability of 14,000 feet continuous.

A redundant jacket option is available for additional abrasion resistance and protection.

These hoses are custom engineered. For technical information, contact customer service.

polyflex Ultra-High Pressure Hose

See CATALOG 4900 for technical information

Features:

- Working pressures up to 58,000 psi
- Wide range of hose sizes from 5/64" to 3" I.D.
- Very long continuous lengths available
- Multiple color options for ease of identification
- Wide range of core tube and jacket material options available

Applications/Markets

- Oil & Gas
- Water Blast/Water Jetting
- Hydraulic Tool

Oil & Gas Hose

With production plants in both the USA and Europe, supported by Parker's global sales and distribution network, customers can benefit from local service and the supply of quality parts wherever they are situated. **polyflex** oil & Gas hoses are used in a wide variety of Oil & Gas applications, both onshore and offshore, and are available with seawater resistant cover materials.

Water Blast Hose

polyflex Water Blast Hoses are the highest quality ultra high pressure thermoplastic hoses on the market and are also ideal for construction applications such as hydrodemolition, industrial cleaning and surface preparation.

Hydraulic Tool Hose

polyflex HP hoses can be used to power hydraulic tools, such as torque wrenches and bolt tensioners. They are also used on rescue equipment such as the Jaws of Life and similar tools.

For technical information, download CAT 4900

See CATALOG 4900 for technical information