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## Thermoplastik- & Fluorpolymerprodukte

### Parflex<sup>®</sup> - Thermoplastikschläuche

Katalog CAT 4660/USA 01/12(2)



# KATALOG

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# Parflex Hose Visual Index

<b>Parflex Thermoplastic</b>		<b>510A</b> Refrigerant	<b>510C</b> General Hydraulic	<b>518C</b> Non-Conductive Hydraulic
		 A-34	 A-35	 A-36
<b>515H</b> Compact/Lightweight	<b>520N</b> General Hydraulic	<b>528N</b> Non-Conductive Hydraulic	<b>526BA</b> Breathing Air Refill 6000 PSI	
 A-37	 A-38	 A-38	 A-39	
<b>527BA</b> Breathing Air Refill 7000 PSI	<b>53DM</b> DuraMax™ Low Temperature 3000 PSI	<b>538DM</b> DuraMax™ Low Temperature, Non-Conductive 3000 PSI	<b>540N</b> General Hydraulic	
 A-40	 A-41	 A-41	 A-42	
<b>540P</b> Specialty Water	<b>55LT</b> Low Temperature	<b>560</b> General Hydraulic	<b>563</b> General Hydraulic	
 A-43	 A-44	 A-30	 A-31	
<b>56DH</b> Diagnostic Hose	<b>568DH</b> Non-Conductive Diagnostic Hose	<b>573X</b> Fast Response 3000 PSI	<b>575X</b> Fast Response 5000 PSI	
 A-45	 A-45	 A-46	 A-47	
<b>580N H580N</b> High Pressure	<b>588N</b> Non-Conductive High Pressure	<b>590</b> General Hydraulic Hose	<b>593</b> General Hydraulic Hose	
 A-48	 A-48	 A-32	 A-33	
<b>83FR</b> General Purpose	<b>1035A</b> Power Cleaning	<b>1035HT</b> High Temperature Power Cleaning	<b>B9</b> General Purpose	
 A-49	 A-50	 A-51	 A-52	
<b>CNG</b> Compressed Natural Gas	<b>D6</b> Constant Pressure 3000 PSI	<b>Duraflex</b> 528N & 548N	<b>H6</b> Constant Pressure Hydraulic	
 A-53	 A-22 <b>HYBRID</b>	 A-64	 A-23	
<b>HFS</b> Firescreen®	<b>HFS2</b> Firescreen II®	<b>HJK</b> Highjack® Jackline	<b>HLB</b> Lubrication Line	
 A-24 <b>HYBRID</b>	 A-25 <b>HYBRID</b>	 A-29 <b>HYBRID</b>	 A-54	

# Parflex Hose Visual Index (cont.)

<b>Parflex Thermoplastic (cont.)</b>		<b>HTB</b> Eliminator® Compact	<b>M8</b> High Pressure Hydraulic	<b>MSH</b> Marine Steering
		 A-28 <b>HYBRID</b>	 A-27 <b>HYBRID</b>	 A-55
<b>MSXL</b> Marine Steering	<b>PTH</b> Marine Power Tilt	<b>R6</b> Constant Pressure Hydraulic	<b>S4</b> Predator® Water Jetting 4000 PSI	
 A-56	 A-57	 A-26	 A-58	
<b>S5</b> Predator® Water Jetting 4000 PSI	<b>S6</b> Predator® Water Jetting 2500 PSI	<b>S9</b> Predator® Water Jetting 3000 PSI	<b>SLH</b> Predator® Sewer Leader	
 A-59	 A-60	 A-61	 A-62	
<b>XDH</b> eXtreme™ Duty Hose				
 A-63				

<b>Parflex PTFE</b>		<b>919</b> PTFE Hose	<b>919B</b> PTFE Hose with Static-Dissipative Tube	<b>919J</b> Silicone Jacketed PTFE Hose
		 A-65	 A-65	 A-66
<b>919U</b> High Abrasion Resistance PTFE Hose	<b>929</b> Heavy Wall PTFE Hose	<b>929B</b> Heavy Wall PTFE Hose with Static-Dissipative Tube	<b>929BJ</b> Silicone Jacketed PTFE Hose with Static-Dissipative Tube	
 A-67	 A-68	 A-68	 A-69	
<b>939</b> Convoluted PTFE Hose	<b>939B</b> Convoluted PTFE Hose with Static-Dissipative Tube	<b>943B</b> High Pressure PTFE Hose with Static-Dissipative Tube	<b>944B</b> High Pressure PTFE Hose with Static-Dissipative Tube	
 A-70	 A-70	 A-71	 A-72	
<b>950B</b> High Pressure PTFE Hose with Static-Dissipative Tube	<b>955B</b> High Pressure PTFE Hose with Static-Dissipative Tube			
 A-73	 A-74			

For detailed ordering information, please consult price list or contact Parflex® Division.



# 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.

The visual index and hose pages indicate which hoses are Hybrid designs.

Review the STAMPED guide (Size, Temperature, Media, Application, Pressure, End Configuration, and Delivery Preferences) on page 11 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 and 177.2600
- USP XXII Class
- Pharmacopoeia 3.1.9
- ISO 10093, Sections 5, 6 10, and 11
- USDA Standards
- 3A Standards

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-19
- PAGE Product Line - Industrial S30 & S40 Hose Assembly Nomenclature pg. A-20
- PAGE Product Line - "True-Bore" & Convolute Hose Assembly Nomenclature pg. A-21

*For detailed ordering information, please consult price list or contact Parflex® Division.*

# How to Read the Hose Section

Parker Parflex offers an extensive selection of thermoplastic, hybrid and PTFE hose products, covering the full range of industrial fluid transfer applications. Parflex hose products have been tested and approved to meet and exceed global standards. Hoses range in size from 1/16" to 4" I.D. and are compatible with permanent crimp and field attachable fittings.

## D6 – Hybrid Hose

Base part number, product description

### Features

Product features and benefits

### Certifications

Product certifications



## Applications/Markets

Product applications for all pertinent markets



Transportation



Mobile Hydraulics



Industrial Pneumatic



Industrial Hydraulics



Fluid Handling



Life Science



Food & Beverage



# How to Read the Hose Section

1 Part Number	2 Nominal I.D.		3 Maximum O.D.		4 Maximum Working Pressure		5 Minimum Bend Radius		6 Weight		7 Permanent Fitting Series
#											
	inch	mm	inch	mm	psi/73°F	bar/23°C	inch	mm	lbs./ft.	kg./mtr.	
D604	1/4	6	.51	13	3,000	20.7	2.00	51	.12	.18	43/HY

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.

For detailed ordering information, please consult price list or contact Parflex® Division.



# Thermoplastic Hose Selection PSI

Reinforcement Type		PSI Thermoplastic Hose Working Pressures												
		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	
Hose	Description	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	
Wire	D6	Hybrid - Constant Pressure Hydraulic				3000		3000	3000	3000	3000			
	H6	Constrant Pressure Hydraulic				3000	3000	3000	3000	3000				
	R6	Constrant Pressure Hydraulic				3000		3000	3000	3000	3000			
	HFS	Hybrid - General Hydraulic				3000	3000	2500	2500		1500	1250		
	HFS2	Hybrid - General Hydraulic				5000		4000	3500	2750	2250	2000		
	M8	Hybrid - High Pressure Hydraulic						4000	4000	4000				
	HTB	Hybrid - Compact High Pressure Hydraulic				7000		5500	5000	4000	4000	3500		
	HJK	Hybrid - Jackline				10000								
	560	General Hydraulic			3500	3250	3000	2750	2500	2000	1750			
	563	Constant Pressure Hydraulic				3000		3000	3000					
	590	General Hydraulic			5000	5000		4000	3500	3000	2500	2000		
	593	General Hydraulic									3000	3250		
	XDH	Formed Hose				5000		4000	4000					
	Fiber	510A	Industrial Refrigerant		2500	3000	2750	2500	2250	2000		1250	1000	
510C		General Hydraulic		2500	3250	3000	2500	2250	2250	1500	1250	1000		
518C		Non-conductive Hydraulic		2500	3250	3000	2500	2250	2250	1500	1250	1000		
515H		Compact/Lightweight Hydraulic			2175	2000	1750	1500	1500					
520N / 528N		General Hydraulic / Non-conductive Hydraulic			5000	5000	4500	4000	3500					
526BA		Breathing Air Refill			6000	6000		6000						
527BA		Breathing Air Refill			7000	7000								
53DM / 538DM		Low Temperature Hydraulic			3000	3000	3000	3000	3000	3000	3000			
540N		General Hydraulic		3000	3000	2750	2500	2250	2000		1250			
540P		Specialty Water				2750		2250	2000		1250			
55LT		Low Temperature Hydraulic		3000	3250	3000	2500	2250	2000		1250			
56DH / 568DH		Diagnostic	6000	6000										
573X		Fast Response Hydraulic			3000							3000		
575X		Fast Response Hydraulic			5000	5000		5000	5000		5000	5000		
580N / 588N		General Hydraulic / Non-conductive Hydraulic				5000		4000	3500	2750	2250	2000		
H580N		General Hydraulic										3000		
1035A		Power Cleaning				1500	1200							
1035HT		Power Cleaning			2000	1750	1500							
83FR		General Purpose Air/Water				300		300	300		300			
B9		General Purpose Air/Water			250	250	250	250	250	250				
5CNG		Compressed Natural Gas			5000	5000		5000	5000		5000	5000		
HLB		Lubrication		3000	3000									
MSH		Marine Steering					1000	1000						
MSXL		Marine Steering					1500							
PTH		Power Tilt				3000								
S4		Sewer Cleaning - Lateral Cleaning							4000	4000				
S5		Sewer Cleaning - Lateral Cleaning							4000					
S6		Sewer Cleaning									2500	2500	2500	2500
S9		Sewer Cleaning									3000	3000		
SLH		Sewer Cleaning Leader Hose							4000	4000	3000	3000		
Duraflex - 548N	Aerial Lift - Hydraulic Tool						2250							
Duraflex - 528N	Aerial Lift - Hydraulic Tool						4000							



# Construction/Specifications

## PSI Thermoplastic Construction and Specifications

Core Tube	Reinforcement Material	Cover Material	SAE Specification	Additional Specifications	Page #	Description		Reinforcement Type
						Description	Hose	
P	Wire	R	100R17	MSHA IC-40/32	A-22	Hybrid - Constant Pressure Hydraulic	D6	Wire
P	Wire	P	100R17		A-23	Constant Pressure Hydraulic	H6	
P	Wire	F	100R17		A-26	Constant Pressure Hydraulic	R6	
P	Wire	R	100R1 / J1942	MSHA IC-40/32	A-24	Hybrid - General Hydraulic	HFS	
P	Wire	R	100R2 / 100R16 / J1942	MSHA IC-40/32	A-25	Hybrid - General Hydraulic	HFS2	
P	Wire	R	100R12	MSHA IC-40/32	A-27	Hybrid - High Pressure Hydraulic	M8	
P	Wire	R	J1942	MSHA IC-40/32	A-28	Hybrid - Compact High Pressure Hydraulic	HTB	
P	Wire	R	-	IJ-100	A-29	Hybrid - Jackline	HJK	
P	Wire	U	100R1	MSHA IC-40/32 / DNV	A-30	General Hydraulic	560	
P	Wire	U	100R17	MSHA IC-40/32	A-31	Constant Pressure Hydraulic	563	
P	Wire	U	100R2 / 100R16	DNV	A-32	General Hydraulic	590	
P / N	Wire	U	100R2	MSHA IC-40/32 / DNV	A-33	General Hydraulic	593	
PFX	Wire	PFX	100R2 / 100R16 / 100R17/100R19		A-63	Formed Hose	XDH	
PFX	Fiber	U	100R7	MSHA IC-40/32*	A-34	Industrial Refrigerant	510A	Fiber
P	Fiber	PFX	100R7	MSHA IC-40/32*	A-35	General Hydraulic	510C	
P	Fiber	PFX	100R7	DNV	A-36	Non-conductive Hydraulic	518C	
P	Fiber	U	-	MSHA IC-40/32	A-37	Compact/Lightweight Hydraulic	515H	
N	Fiber	U	100R8	MSHA IC-40/32 / DNV*	A-38	General Hydraulic / Non-conductive Hydraulic	520N / 528N	
N	Fiber	U	-	CGA / NFPA 1901	A-39	Breathing Air Refill	526BA	
N	Fiber	U	-	CGA / NFPA 1901	A-40	Breathing Air Refill	527BA	
P	Fiber	P	100R18		A-41	Low Temperature Hydraulic	53DM / 538DM	
N	Fiber	U	100R7	MSHA IC-40/32 / DNV	A-42	General Hydraulic	540N	
PE	Fiber	U	100R7	FDA / NSF 51	A-43	Specialty Water	540P	
P	Fiber	P	100R7		A-44	Low Temperature Hydraulic	55LT	
N	Fiber	U	-	MSHA IC-40/32*	A-45	Diagnostic	56DH / 568DH	
N	Fiber	U	-	MSHA IC-40/32 / DNV*	A-46	Fast Response Hydraulic	573X	
N	Fiber	U	-	MSHA IC-40/32 / DNV	A-47	Fast Response Hydraulic	575X	
N	Fiber	U	100R8	MSHA IC-40/32 / DNV*	A-48	General Hydraulic / Non-conductive Hydraulic	580N / 588N	
N	Fiber	U	100R8	DNV	A-48	General Hydraulic	H580N	
PFX	Fiber	U	-		A-50	Power Cleaning	1035A	
N	Fiber	U	-		A-51	Power Cleaning	1035HT	
U	Fiber	U	-	DNV	A-49	General Purpose Air/Water	83FR	
U	Fiber	U	-		A-52	General Purpose Air/Water	B9	
N	Fiber	U	-	ANSI IAS NGV4.2-CSA 12.52 / ECE R110*	A-53	Compressed Natural Gas	CNG	
P	Fiber	U	-	MSHA IC-40/32	A-54	Lubrication	HLB	
N	Fiber	U	-		A-55	Marine Steering	MSH	
N	Fiber	U	-		A-56	Marine Steering	MSXL	
N	Fiber / SS Wire	U	-		A-57	Power Tilt	PTH	
P	Fiber	U	-	Wastec WRP05-1996	A-58	Sewer Cleaning - Lateral Cleaning	S4	
P	Fiber	U	-	Wastec WRP05-1996	A-59	Sewer Cleaning - Lateral Cleaning	S5	
P	Fiber	U	-	Wastec WRP05-1996	A-60	Sewer Cleaning	S6	
P	Fiber	U	-	Wastec WRP05-1996	A-61	Sewer Cleaning	S9	
P	Wire	R	-		A-62	Sewer Cleaning Leader Hose	SLH	
N	Fiber	U	100R7		A-64	Aerial Lift - Hydraulic Tool	Duraflex - 548N	
N	Fiber	U	100R8		A-64	Aerial Lift - Hydraulic Tool	Duraflex - 528N	

\*View Government & Agency Specifications for exceptions, pg. G-59

### Legend

N – Nylon  
NP – Neoprene  
P – Copolyester  
PE – Polyethylene  
PFX – Proprietary Mat'l  
S – Silicone  
R – Rubber  
U – Urethane  
F – Fiber

For detailed ordering information, please consult price list or contact Parflex® Division.

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# Thermoplastic Hose Selection MPa

Reinforcement Type	MPa Thermoplastic Hose Working Pressures													
	Dash Size		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
	Hose	Description	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa
Wire	D6	Hybrid - Constant Pressure Hydraulic				20.7		20.7	20.7	20.7	20.7	20.7		
	H6	Constrant Pressure Hydraulic				20.7	20.7	20.7	20.7	20.7				
	R6	Constrant Pressure Hydraulic				20.7		20.7	20.7	20.7	20.7			
	HFS	Hybrid - General Hydraulic				20.7	20.7	17.2	17.2		10.3	8.6		
	HFS2	Hybrid - General Hydraulic				34.5		27.6	24.1	19.0	15.5	13.8		
	M8	Hybrid - High Pressure Hydraulic						27.6	27.6	27.6				
	HTB	Hybrid - Compact High Pressure Hydraulic				48.3		37.9	34.5	27.6	27.6	24.1		
	HJK	Hybrid - Jackline				68.9								
	560	General Hydraulic			24.1	22.4	20.7	19.0	17.2	13.8	12.1			
	563	Constant Pressure Hydraulic				20.7		20.7	20.7					
	590	General Hydraulic			34.5	34.5		27.6	24.1	20.7	17.2	13.8		
	593	General Hydraulic									20.7	22.4		
	XDH	Formed Hose				34.5		27.6	27.6					
	Fiber	510A	Industrial Refrigerant		17.2	20.7	19.0	17.2	15.5	13.8		8.6	6.9	
510C		General Hydraulic		17.2	22.4	20.7	17.2	15.5	15.5	10.3	8.6	6.9		
518C		Non-conductive Hydraulic		17.2	22.4	20.7	17.2	15.5	15.5	10.3	8.6	6.9		
515H		Compact/Lightweight Hydraulic			15.0	13.8	12.1	10.3	10.3					
520N / 528N		General Hydraulic / Non-conductive Hydraulic			34.5	34.5	31.0	27.6	24.1					
526BA		Breathing Air Refill			41.4	41.4		41.4						
527BA		Breathing Air Refill			48.3	48.3								
53DM / 538DM		Low Temperature Hydraulic			20.7	20.7	20.7	20.7	20.7	20.7	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		8.6			
55LT		Low Temperature Hydraulic		20.7	22.4	20.7	17.2	15.5	13.8		8.6			
56DH / 568DH		Diagnostic	41.4	41.4										
573X		Fast Response Hydraulic			20.7								20.7	
575X		Fast Response Hydraulic			34.5	34.5		34.5	34.5		34.5	34.5		
580N / 588N		General Hydraulic / Non-conductive Hydraulic				34.5		27.6	24.1	19.0	15.5	13.8		
H580N		General Hydraulic										20.7		
1035A		Power Cleaning				10.3	8.3							
1035HT		Power Cleaning			13.8	12.1	10.3							
83FR		General Purpose Air/Water				2.1		2.1	2.1		2.1			
B9		General Purpose Air/Water			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	34.5		
HLB		Lubrication		20.7	20.7									
MSH		Marine Steering					6.9	6.9						
MSXL		Marine Steering					10.3							
PTH		Power Tilt				20.7								
S4		Sewer Cleaning - Lateral Cleaning							27.6	27.6				
S5		Sewer Cleaning - Lateral Cleaning							27.6					
S6		Sewer Cleaning									17.2	17.2	17.2	17.2
S9		Sewer Cleaning									20.7	20.7		
SLH		Sewer Cleaning Leader Hose							27.6	27.6	20.7	20.7		
Duraflex - 548N	Aerial Lift - Hydraulic Tool						15.5							
Duraflex - 528N	Aerial Lift - Hydraulic Tool						27.6							



# Construction/Specifications

MPa Thermoplastic Construction and Specifications									Reinforcement Type
Core Tube	Reinforcement Material	Cover Material	SAE Specification	Additional Specifications	Page #	Description	Hose		
P	Wire	R	100R17	MSHA IC-40/32	A-22	Hybrid - Constant Pressure Hydraulic	D6	Wire	
P	Wire	P	100R17		A-23	Constant Pressure Hydraulic	H6		
P	Wire	F	100R17		A-26	Constant Pressure Hydraulic	R6		
P	Wire	R	100R1 / J1942	MSHA IC-40/32	A-24	Hybrid - General Hydraulic	HFS		
P	Wire	R	100R2 / 100R16 / J1942	MSHA IC-40/32	A-25	Hybrid - General Hydraulic	HFS2		
P	Wire	R	100R12	MSHA IC-40/32	A-27	Hybrid - High Pressure Hydraulic	M8		
P	Wire	R	J1942	MSHA IC-40/32	A-28	Hybrid - Compact High Pressure Hydraulic	HTB		
P	Wire	R	-	IJ-100	A-29	Hybrid - Jackline	HJK		
P	Wire	U	100R1	MSHA IC-40/32 / DNV	A-30	General Hydraulic	560		
P	Wire	U	100R17	MSHA IC-40/32	A-31	Constant Pressure Hydraulic	563		
P	Wire	U	100R2 / 100R16	DNV	A-32	General Hydraulic	590		
P / N	Wire	U	100R2	MSHA IC-40/32 / DNV	A-33	General Hydraulic	593		
PFX	Wire	PFX	100R2 / 100R16 / 100R17/100R19		A-63	Formed Hose	XDH		
PFX	Fiber	U	100R7	MSHA IC-40/32*	A-34	Industrial Refrigerant	510A	Fiber	
P	Fiber	PFX	100R7	MSHA IC-40/32*	A-35	General Hydraulic	510C		
P	Fiber	PFX	100R7	DNV	A-36	Non-conductive Hydraulic	518C		
P	Fiber	U	-	MSHA IC-40/32	A-37	Compact/Lightweight Hydraulic	515H		
N	Fiber	U	100R8	MSHA IC-40/32 / DNV*	A-38	General Hydraulic / Non-conductive Hydraulic"	520N / 528N		
N	Fiber	U	-	CGA / NFPA 1901	A-39	Breathing Air Refill	526BA		
N	Fiber	U	-	CGA / NFPA 1901	A-40	Breathing Air Refill	527BA		
P	Fiber	P	100R18		A-41	Low Temperature Hydraulic	53DM / 538DM		
N	Fiber	U	100R7	MSHA IC-40/32 / DNV	A-42	General Hydraulic	540N		
PE	Fiber	U	100R7	FDA / NSF 51	A-43	Specialty Water	540P		
P	Fiber	P	100R7		A-44	Low Temperature Hydraulic	55LT		
N	Fiber	U	-	MSHA IC-40/32*	A-45	Diagnostic	56DH / 568DH		
N	Fiber	U	-	MSHA IC-40/32 / DNV*	A-46	Fast Response Hydraulic	573X		
N	Fiber	U	-	MSHA IC-40/32 / DNV	A-47	Fast Response Hydraulic	575X		
N	Fiber	U	100R8	MSHA IC-40/32 / DNV*	A-48	General Hydraulic / Non-conductive Hydraulic	580N / 588N		
N	Fiber	U	100R8	DNV	A-48	General Hydraulic	H580N		
PFX	Fiber	U	-		A-50	Power Cleaning	1035A		
N	Fiber	U	-		A-51	Power Cleaning	1035HT		
U	Fiber	U	-	DNV	A-49	General Purpose Air/Water	83FR		
U	Fiber	U	-		A-52	General Purpose Air/Water	B9		
N	Fiber	U	-	ANSI IAS NGV4.2-CSA 12.52 / ECE R110*	A-53	Compressed Natural Gas	CNG		
P	Fiber	U	-	MSHA IC-40/32	A-54	Lubrication	HLB		
N	Fiber	U	-		A-55	Marine Steering	MSH		
N	Fiber	U	-		A-56	Marine Steering	MSXL		
N	Fiber / SS Wire	U	-		A-57	Power Tilt	PTH		
P	Fiber	U	-	Wastec WRP05-1996	A-58	Sewer Cleaning - Lateral Cleaning	S4		
P	Fiber	U	-	Wastec WRP05-1996	A-59	Sewer Cleaning - Lateral Cleaning	S5		
P	Fiber	U	-	Wastec WRP05-1996	A-60	Sewer Cleaning	S6		
P	Fiber	U	-	Wastec WRP05-1996	A-61	Sewer Cleaning	S9		
P	Wire	R	-		A-62	Sewer Cleaning Leader Hose	SLH		
N	Fiber	U	100R7		A-64	Aerial Lift - Hydraulic Tool	Duraflex - 548N		
N	Fiber	U	100R8		A-64	Aerial Lift - Hydraulic Tool	Duraflex - 528N		

\*View Government & Agency Specifications for exceptions, pg. G-59

## Legend

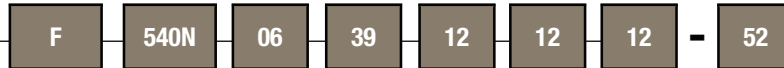
N – Nylon  
NP – Neoprene  
P – Copolyester  
PE – Polyethylene  
PFX – Proprietary Mat'l  
S – Silicone  
R – Rubber  
U – Urethane  
F – Fiber

For detailed ordering information, please consult price list or contact Parflex® Division.



# Parflex Thermoplastic Hoses

## Parflex Thermoplastic Hose Assembly Nomenclature

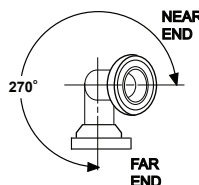


F	Prefix	540N	Hose	06-39	Fitting Configuration*
F	F – Parkrimp (i.e. 55 series) A – Factory Crimp (i.e. 54 series) R – Field Attachable (i.e. 51 series)	D6	53DM		01 – Male Pipe Thread (with hex) - NPTF
		H6	540N		02 – Female Pipe Thread - NPT
		R6	540P		03 – Male SAE (JIC) 37° Flare
		HFS	55LT		05 – Male Straight Thread w/ O-Ring
		HFS2	56DH		06 – Female SAE (JIC) 37° Swivel
		M8	575X		07 – Female Pipe Swivel
		HTB	580N		13 – Male Pipe Swivel - NPTF
		HJK	H580N		37 – Female SAE (JIC) 37° Swivel - 45° Elbow
		560	588N		39 – Female SAE (JIC) 37° Swivel - 90° Elbow
		563	1035A		41 – Female SAE (JIC) 37° Swivel - 90° Long Elbow
		590	1035HT		JC – Female Seal-Lok™ (ORFS) Swivel Short
		593	83FR		FU – Female JIC/BSP 30° Flare Swivel
		510A	B9		MU – Metric Female JIC/BSP 30° Flare Swivel
		510C	5CNG		JO – Male Seal-Lok™ (ORFS) Rigid Straight w/O-Ring
		518C	HLB		GU – Female JIC/BSP Parallel Pipe Swive (60° Cone)
		515H	MSH		JS – Female Seal-Lok™ (ORFS) Swivel
		520N	MSXL		J7 – Female Seal-Lok™ (ORFS) Swivel - 45° Elbow
		528N	PTH		J9 – Female Seal-Lok™ (ORFS) Swivel - 90° Elbow
		526BA	SLH		TU – Universal Tube Stub
		527BA			AL – A-Lok® Compression

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

12	Connection Size 1	12	Connection Size 2	12	Hose Size	C	Fitting Material
-2	1 1/8	-2	2 1/8	-2	= 1/8	**	No Material Designation, Steel
-3	1 3/16	-3	2 3/16	-3	= 3/16	C	Stainless Steel
-4	1 1/4	-4	2 1/4	-4	= 1/4	B	Brass
-5	1 5/16	-5	2 5/16	-5	= 5/16		
-6	1 3/8	-6	2 3/8	-6	= 3/8		
-8	1 1/2	-8	2 1/2	-8	= 1/2		
-10	1 5/8	-10	2 5/8	-10	= 5/8		
-12	1 3/4	-12	2 3/4	-12	= 3/4		
-16	1	-16	2	-16	= 1		
-20	1-1/4	-20	2 1-1/4				

52	Overall Length	##	Displacement Angle
	Expressed in inches		Specified only if two elbow fittings are used to construct hose assembly.



# D6 – Hybrid Hose



## Features

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

## Certifications

- Exceeds SAE 100R17
- MSHA Accepted

## Applications/Markets



- Medium pressure hydraulic applications
- Agricultural equipment

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		lbs./ft.	kg./mtr.	
#												
D604	1/4	6	.51	13	3,000	20.7	2.00	51	28	.12	.18	43**HY***
D606	3/8	10	.67	17	3,000	20.7	2.50	64	28	.19	.28	58/43**/HY***
D608	1/2	13	.82	21	3,000	20.7	3.50	89	28	.29	.43	58/43**/HY***
D610*	5/8	16	1.02	26	3,000	20.7	4.00	102	28	.47	.70	58/HY***
D612*	3/4	19	1.20	30	3,000	20.7	4.80	122	28	.73	1.09	43**/HY***
D616*	1	25	1.50	38	3,000	20.7	6.00	152	28	1.01	1.50	43**/HY***

## Construction

Tube: Copolyester  
 Reinforcement: One or two braids of high tensile steel wire  
 Cover: Smooth synthetic rubber

## Operating Parameters

Temperature Range:  
 -40°F to +250°F (-40°C to +121°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)  
 Change in length at working pressure is +2% to -4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12  
 43 Series – (\*\*43 Fittings available from Parker Hose Products Division)  
 HY Series – pg. E-87 (\*\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

\*Two wire braid



# H6 – High Performance Hydraulic Hose



## Features

- Largest temperature range in a medium pressure hydraulic hose
- Low length change capability under pressure
- Ideally suited for inventory consolidations to cover all SAE 100R1 pressure and many SAE 100R2 pressure and abrasion requirements

## Certifications

- Exceeds SAE 100R17 Requirements

## Applications/Markets



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

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		lbs./ft.	kg./mtr.	
#												
H604	1/4	6	.49	12	3,000	20.7	2.00	51	28	.12	.18	HY***
H605	5/16	8	.56	14	3,000	20.7	2.25	57	28	.14	.21	HY***
H606	3/8	10	.65	17	3,000	20.7	2.50	64	28	.19	.28	58/43/HY**
H608	1/2	13	.78	20	3,000	20.7	3.50	89	28	.29	.43	58/HY***
H610*	5/8	16	1.00	25	3,000	20.7	4.00	102	28	.47	.70	HY***
H612*	3/4	19	1.17	30	3,000	20.7	4.75	121	28	.69	1.03	HY***

## Construction

Tube: Copolyester

Reinforcement: One or two braids of high tensile steel wire

Cover: Copolyester

## Operating Parameters

Temperature Range:

(H604 thru H608) -70°F to +250°F (-57°C to +121°C)

(H610 thru H612) -50°F to +250°F (-45°C to +121°C)

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

Change in length at working pressure is +2% to -4%

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

## Fittings

58 Series – pg. E-12

43 Series – (\*\*43 Fittings available from Parker Hose Products Division)

HY Series – pg. E-87 (\*\*HY Fittings available from Parker Hose Products Division)

For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

\*Two wire braid

Twin line hose available

Preformed assemblies

For detailed ordering information, please consult price list or contact Parflex® Division.

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# HFS – Firescreen® Hybrid Hose



## Features

- Excellent flexibility
- Consistent long-lengths
- Lightweight
- Compact design

## Certifications

- Exceeds SAE 100R1
- Marine Applications (SAE J1942 listed)
- MSHA Accepted

## Applications/Markets



- Used in high temperature (to +250° F), medium pressure hydraulic applications
- Mobile equipment
- Machine tools
- Agricultural equipment

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
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs./ft.	kg./mtr.		
#													
HFS04	1/4	6	.51	13	3,000	20.7	2.00	51	28	.12	.18	43*/HY**	BA
HFS05	5/16	8	.59	15	3,000	20.7	2.25	57	28	.17	.25	HY**	–
HFS06	3/8	10	.67	17	2,500	17.2	2.50	64	28	.19	.28	58/43*/HY**	BA
HFS08	1/2	13	.79	20	2,500	17.2	3.50	89	28	.25	.37	58/43*/HY**	BA
HFS12	3/4	19	1.07	27	1,500	10.3	5.00	127	28	.37	.55	43*/HY**	–
HFS16	1	25	1.37	35	1,250	8.6	10.00	254	28	.53	.79	HY**	–

## Construction

Tube: Copolyester  
 Reinforcement: One braid of high tensile steel wire  
 Cover: Smooth synthetic rubber

## Operating Parameters

Temperature Range:  
 -40°F to +250°F (-40°C to +121°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)  
 Change in working length @ Rated WPSI: +2%/-4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12  
 BA Series – pg. E-79  
 43 Series – (\*43 Series Fittings available from Parker Hose Products Division)  
 HY Series – pg. E-87 (\*\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black



# HFS2 – Firescreen II® Hybrid Hose



## Features

- Excellent flexibility
- Consistent long-lengths
- Lightweight
- Compact design

## Certifications

- Meets or Exceeds SAE 100R2 & 100R16
- Marine Applications (SAE J1942 listed)
- MSHA Accepted

## Applications/Markets



- Medium pressure hydraulic applications
- Mobile equipment
- Machine tools
- Agricultural equipment

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
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs./ft.	kg./mtr.		
#													
HFS204*	1/4	6	.57	14	5,000	34.5	2.00	51	28	.21	.31	43**/HY***	BA
HFS206	3/8	10	.68	17	4,000	27.6	2.50	64	28	.23	.34	58/43**/HY***	BA
HFS208	1/2	13	.82	21	3,500	24.1	3.50	89	28	.29	.43	58/43**/HY***	BA
HFS210	5/8	16	.97	25	2,750	19.0	4.00	102	28	.38	.57	43**/HY***	–
HFS212	3/4	19	1.10	28	2,250	15.5	4.75	121	28	.45	.67	43**/HY***	BA
HFS216*	1	25	1.45	37	2,000	13.8	6.00	152	28	.80	1.19	43**/HY***	BA

## Construction

Tube: Copolyester

Reinforcement: One or two braids of high tensile steel wire

Cover: Smooth synthetic rubber

## Operating Parameters

Temperature Range:

-40°F to +212°F (-40°C to +100°C)

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

Change in working length @ Rated WPSI: +2%/-4%

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

## Fittings

58 Series – pg. E-12

BA Series – pg. E-79

43 Series – (\*\*43 Series Fittings available from Parker Hose Products Division)

HY Series – pg. E-87 (\*\*HY Fittings available from Parker Hose Products Division)

For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

\*Two wire braid

For detailed ordering information, please consult price list or contact Parflex® Division.

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A-25

Hose  
A

Tubing  
B

Coiled Air Hose  
& Fittings  
C

Transportation  
D

Fittings  
E

Tooling, Equipment  
& Accessories  
F

General Technical  
G

# R6 – Abrasion King® Hose



## Features

- Excellent abrasion resistance
- Blue plait provides hose identification

## Certifications

- Exceeds SAE 100R17 Requirements

## Applications/Markets



- Medium pressure hydraulic applications
- Agricultural equipment

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.	
#												
R604	1/4	6	.53	13	3000	20.7	2.00	51	28	.11	.16	HY***
R606	3/8	10	.69	18	3000	20.7	2.50	64	28	.20	.30	58/HY***
R608	1/2	13	.84	21	3000	20.7	3.50	89	28	.27	.40	58/HY***
R610*	5/8	16	1.09	28	3000	20.7	4.00	102	28	.51	.76	HY***
R612*	3/4	19	1.24	31	3000	20.7	4.75	121	28	.71	1.06	HY***
R616*	1	25	1.55	39	3000	20.7	6.00	152	28	1.00	1.49	43**

## 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 to +250°F (-46°C to +121°C)

(R612 thru R616) -50°F to +212°F (-45°C to +100°C)

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

Change in working length @ Rated WPSI: +2%/-4%

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

## Fittings

58 Series – pg. E-12

43 Series – (\*\*43 Series Fittings available from Parker Hose Products Division)

HY Series – pg. E-87 (\*\*HY Fittings available from Parker Hose Products Division)

For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

\*Two wire braid

# M8 – E-Z FLEX™ Hybrid Hose



## Features

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

## Certifications

- Meets or Exceeds SAE 100R12
- MSHA Accepted

## Applications/Markets



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

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		lbs./ft.	kg./mtr.	
#												
M806	3/8	10	.76	19	4,000	27.6	2.50	64	28	.37	.55	43*
M808	1/2	13	.90	23	4,000	27.6	3.50	89	28	.46	.68	43*
M810	5/8	16	1.07	27	4,000	27.6	4.00	102	28	.63	.94	43*

## Construction

Tube: Copolyester  
 Reinforcement: Two braids of high tensile steel wire  
 Cover: Smooth synthetic rubber

## Operating Parameters

Temperature Range:  
 -40°F to +250°F (-40°C to +121°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

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

## Fittings

43 Series – (\*43 Series Fittings available from Parker Hose Products Division)  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

For detailed ordering information, please consult price list or contact Parflex® Division.

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# HTB – Eliminator® Hybrid Hose



## Features

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

## Certifications

- Marine Applications (SAE J1942 listed)
- MSHA Accepted

## Applications/Markets



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

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		lbs./ft.	kg./mtr.	
#												
HTB04	1/4	6	.62	16	7,000	48.3	4.00	102	28	.27	.40	HY**
HTB06	3/8	10	.76	19	5,500	37.9	6.00	152	28	.37	.55	43***
HTB08	1/2	13	.90	23	5,000	34.5	7.00	178	28	.46	.68	43***
HTB10	5/8	16	1.03	26	4,000	27.6	8.00	203	28	.52	.77	43***
HTB12	3/4	20	1.20	30	4,000	27.6	9.50	241	28	.73	1.09	43***
HTB16	1	25	1.50	38	3,500	24.1	12.00	305	28	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 to +212°F (-40°C to +100°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)  
 Change in working length @ Rated WPSI: +2%/-4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

43 Series – (\*\*43 Series Fittings available from Parker Hose Products Division)  
 HY Series – pg. E-87 (\*\*HY Fittings available from Parker Hose Products Division)

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

HTB04 cover must be skived prior to fitting attachment

# HJK – Highjack® Jackline Hybrid Hose



## Features

- 10,000 PSI Jack Hose

## Certifications

- MSHA Accepted
- Meets I J-100 Requirements

## Applications/Markets



- Used for high pressure jackline applications
- Not for high impulse applications

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.
#											
HJK04	1/4	6	.62	16	10,000	69	4.0	102	28	.27	.40

## Construction

Tube: Copolyester

Reinforcement: Two braids of High Tensile Wire

Cover: Smooth synthetic rubber

## Operating Parameters

Temperature Range:

-40°F to +150°F (-40°C to +65°C)

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

Change in working length @ Rated WPSI: ±2%

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

## Fittings

HY Series – pg. E-87 (HY Fittings available from Parker Hose Products Division)

Connection configurations limited to:

- Male Pipe (01)

## Colors

- Black

## Notes

Factory-made assemblies only

For detailed ordering information, please consult price list or contact Parflex® Division.

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A-29

Hose  
A

Tubing  
B

Coiled Air Hose  
& Fittings  
C

Transportation  
D

Fittings  
E

Tooling, Equipment  
& Accessories  
F

General Technical  
G

# 560 – General Hydraulic Hose



## Features

- Twin or multi-line available. Lighter and smaller than 100R1 with longer lengths
- Fast response hose
- Polyurethane cover for best abrasion resistance

## Certifications

- Meets or Exceeds SAE 100R1
- MSHA Accepted

## Applications/Markets



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

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.	
#												
560-3	3/16	5	.44	11	3,500	24.1	0.75	19	28	.07	.11	55
560-4	1/4	6	.51	13	3,250	22.4	1.75	44	28	.10	.15	55
560-5	5/16	8	.58	15	3,000	20.7	2.00	51	28	.12	.19	55
560-6	3/8	10	.65	17	2,750	19.0	2.25	57	28	.15	.22	55
560-8	1/2	13	.81	21	2,500	17.2	3.25	83	28	.20	.30	55
560-10	5/8	16	.94	24	2,000	13.8	6.00	152	28	.30	.44	55
560-12	3/4	19	1.13	29	1,750	12.1	7.00	178	28	.41	.61	58

## Construction

Tube: Copolyester  
 Reinforcement: High tensile steel wire braid  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +250°F (-40°C to +121°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 58 Series – pg. E-12  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Non-perforated cover





# 563 – General Hydraulic Hose



## Features

- Polyurethane cover for best abrasion resistance

## Certifications

- Meets or Exceeds SAE 100R17
- MSHA Accepted

## Applications/Markets



- Industrial medium pressure hydraulic hose for use with petroleum, water base and synthetic hydraulic fluids, gases and some solvents and chemical solutions

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		lbs./ft.	kg./mtr.	
#												
563-4	1/4	6	.49	12	3,000	20.7	2.00	51	28	.12	.18	55/HY*
563-6	3/8	10	.65	17	3,000	20.7	2.50	64	28	.19	.28	55/HY*
563-8	1/2	13	.78	20	3,000	20.7	3.50	89	28	.29	.42	55/HY*

## Construction

Tube: Copolyester

Reinforcement: High tensile steel wire braid

Cover: Polyurethane

## Operating Parameters

Temperature Range:

-40°F to +250°F [212°F for size -8]  
(-40°C to +121°C) [100°C for size -8]

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

Change in working length @ Rated WPSI: ±2%

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

## Fittings

55 Series – pg. E-12

HY Series – pg. E-87 (\*HY Fittings available from Parker Hose Products Division)

For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Non-perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.

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A  
Hose

B  
Tubing

C  
Coiled Air Hose & Fittings

D  
Transportation

E  
Fittings

F  
Tooling, Equipment & Accessories

G  
General Technical

# 590 – General Hydraulic Hose



## Features

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

## Certifications

- Meets or Exceeds SAE 100R2 / 100R16
- MSHA Accepted

## Applications/Markets



- Construction equipment, machine tools, hydrostatic transmission, refuse vehicles and agriculture equipment

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		lbs./ft.	kg./mtr.	
#												
590-3	3/16	5	.44	11	5,000	34.5	1.50	38	28	.10	.15	55
590-4	1/4	6	.53	13	5,000	34.5	1.75	44	28	.14	.21	55
590-6	3/8	10	.65	17	4,000	27.6	2.25	57	28	.20	.30	55
590-8	1/2	13	.78	20	3,500	24.1	3.25	82	28	.26	.38	55
590-10	5/8	16	.98	25	3,000	20.7	6.00	152	28	.39	.57	58
590-12	3/4	19	1.11	28	2,500	17.2	7.00	178	28	.45	.67	58
590-16	1	25	1.43	36	2,000	13.8	8.00	203	28	.59	.88	58

## Construction

Tube: Copolyester  
 Reinforcement: Aramid fiber, high tensile wire braid  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +250°F (-40°C to +121°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 58 Series – pg. E-12  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Non-perforated cover



# 593 – General Hydraulic Hose



## Features

- Works with synthetic hydraulic fluids, water and a range of chemicals
- Two wire strength with one braid flexibility
- Polyurethane cover for best abrasion resistance

## Certifications

- Meets or Exceeds SAE 100R2 Pressure Requirements
- MSHA Accepted

## Applications/Markets



- General hydraulic service

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Vac. Rating Hg./73°F	Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
#												
593-12	3/4	20	1.10	28	3000	20.7	7.00	178	.47	.70	28	LV
593-16	1	25	1.45	37	3250	22.4	8.00	203	.69	1.02	28	LV

## Construction

Tube: 12 – Copolyester ,16 – Nylon

Reinforcement: High tensile steel wire braid

Cover: Polyurethane

## Operating Parameters

Temperature Range:

-40°F to +250°F (-40°C to +121°C)

(Size -12 only limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

Change in working length @ Rated WPSI: ±2%

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

## Fittings

LV Series – pg. E-104

For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Non-perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.

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# 510A – Refrigerant Hose



## Features

- Excellent impulse life
- Compatible with most common hydraulic and refrigeration fluids

## Certifications

- Meets or Exceeds SAE 100R7 except -2
- MSHA Accepted except -4, -5, -6

## Applications/Markets



- Medium pressure service for both field attachable and permanent fittings
- Used with most common refrigerants

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Vac. Rating Hg./73°F	Permanent Fitting Series	Field Attachable Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.			
#													
510A-2	1/8	3	.34	9	2,500	17.2	0.50	13	.03	.05	28	57	–
510A-3	3/16	5	.43	11	3,000	20.7	2.00	51	.05	.07	28	55	51
510A-4	1/4	6	.47	12	2,750	19.0	2.50	64	.05	.08	28	55	51
510A-5	5/16	8	.57	14	2,500	17.2	3.00	76	.08	.12	28	55	51
510A-6	3/8	10	.64	16	2,250	15.5	4.00	102	.08	.13	28	55	51
510A-8	1/2	13	.81	21	2,000	13.8	5.50	140	.13	.20	28	55	51
510A-12	3/4	19	1.10	28	1,250	8.6	7.50	191	.19	.29	28	–	51
510A-16	1	25	1.40	36	1,000	6.9	10.00	254	.28	.41	28	–	51

## Construction

Tube: Proprietary nylon blend  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 Change in working length @ Rated WPSI: ±3%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

51 Series – pg. E-5                      55 Series – pg. E-12  
 57 Series – pg. E-37  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

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



# 510C – General Hydraulic Hose



## Features

- Superior abrasion resistance
- Extreme flexibility
- Medium pressure service for permanent and field attachable fittings

## Certifications

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

## Applications/Markets



- Medium pressure service for both field attachable and permanent fittings

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Vac. Rating Hg./73°F	Permanent Fitting Series	Field Attachable Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.			
#													
510C-2	1/8	3	.34	9	2,500	17.2	0.50	13	.03	.05	28	57	–
510C-3*	3/16	5	.43	11	3,250	22.4	0.75	19	.05	.07	28	55	51
510C-4*	1/4	6	.47	12	3,000	20.7	1.50	38	.05	.08	28	55	51
510C-5	5/16	8	.57	14	2,500	17.2	1.75	44	.08	.11	28	55	51
510C-6	3/8	10	.64	16	2,250	15.5	2.00	51	.10	.14	28	55	51
510C-8	1/2	13	.81	21	2,250	15.5	3.00	76	.15	.22	28	55	51
510C-10	5/8	16	.97	25	1,500	10.3	4.00	102	.20	.29	28	58	–
510C-12	3/4	19	1.09	28	1,250	8.6	5.00	127	.21	.31	28	55	51
510C-16	1	25	1.32	34	1,000	6.9	8.00	203	.27	.40	28	55	51

## Construction

Tube: Copolyester

Reinforcement: Fiber

Cover: Proprietary Blend (PFX)

## Operating Parameters

Temperature Range:

-40°F to +212°F (-40°C to +100°C)

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

Change in working length @ Rated WPSI: ±2%

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

## Fittings

51 Series – pg. E-5

55 Series – pg. E-12

57 Series – pg. E-37

58 Series – pg. E-12

For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## 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

For detailed ordering information, please consult price list or contact Parflex® Division.



# 518C – Non-Conductive Hose



## Features

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

## Certifications

- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per ft.
- Meets or 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 both field attachable and permanent hydraulic circuit exposure and contact with high voltage may be encountered

Part Number	Nominal I.D.		Maximum O.D.		ANSI A92.2 Max. Working Pressure		SAE 100R7 Max. Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm		lbs./ft.	kg./mtr.		
#															
518C-2	1/8	3	.34	9	3,150	21.7	2,500	17.2	0.50	13	28	.03	.05	57	–
518C-3*	3/16	5	.43	11	3,250	22.4	3,250	20.7	0.75	19	28	.05	.07	55	51
518C-4*	1/4	6	.47	12	3,150	21.7	3,000	19.0	1.50	38	28	.05	.08	55	51
518C-5	5/16	8	.57	14	3,150	21.7	2,500	17.2	1.75	44	28	.08	.11	55	51
518C-6	3/8	10	.64	16	3,000	20.7	2,250	15.5	2.00	51	28	.10	.14	55	51
518C-8	1/2	13	.81	21	3,000	20.7	2,250	15.5	3.00	76	28	.15	.22	55	51
518C-10	5/8	16	.97	25	2,000	13.8	1,500	10.3	4.00	102	28	.20	.29	58	–
518C-12	3/4	19	1.09	28	1,660	11.5	1,250	8.6	5.00	127	28	.21	.31	55	51
518C-16	1	25	1.32	34	1,330	9.2	1,000	6.9	8.00	203	28	.27	.40	55	51

## Construction

Tube: Copolyester  
 Reinforcement: Fiber  
 Cover: Proprietary Blend (PFX)

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)  
 Change in working length @ Rated WPSI: ±2%

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

## Operating Parameters (cont.)

SAE requires 4:1 Design Factor

## Colors

- Orange

## Fittings

51 Series – pg. E-5 55 Series – pg. E-12  
 57 Series – pg. E-37 58 Series – pg. E-12  
 For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Notes

Non-perforated cover  
 Lay lines on this hose will have both ANSI and SAE maximum working pressure listed. ANSI A92.2-1990 “Vehicle Mounted Elevating and Rotating Aerial Devices”

\*3/16” and 1/4” working pressure reduced to 3,000 and 2,750 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





# 515H – Compact/Light Weight Hose



## Features

- Twin or multi-line available
- Compact OD, lightweight, flexible
- Special order colors for system color coding

## Certifications

- MSHA Accepted

## Applications/Markets



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

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		lbs./ft.	kg./mtr.	
#												
515H-3*	3/16	5	.34	9	2,175	15.0	0.75	19	28	.03	.04	54
515H-4	1/4	6	.41	10	2,000	13.8	1.50	38	28	.04	.05	54
515H-5*	5/16	8	.49	12	1,750	12.0	1.75	44	28	.05	.07	54
515H-6	3/8	10	.56	14	1,500	10.3	2.00	51	28	.05	.08	54
515H-8*	1/2	13	.71	18	1,500	10.3	3.00	76	28	.11	.16	54

## Construction

Tube: Copolyester  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

54 Series – pg. E-8  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

\*Factory-made assemblies only -3, -5 and -8  
 Approved with rapid assembly fitting system

For detailed ordering information, please consult price list or contact Parflex® Division.

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# 520N/528N – General Hydraulic Hose



## Features

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

## Certifications

- Meets or 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
- Ideal in hot water applications
- Not suggested for use in over-the-sheave (pulley system) applications

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#	⊘		⊘		↻		↻		U	lbs	kg	⊘
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
520N-3	528N-3	3/16	5	.43	11	5,000	34.5	1.50	38	28	.05	.07	55
520N-4	528N-4	1/4	6	.51	13	5,000	34.5	2.00	51	28	.07	.10	55
520N-5	528N-5	5/16	8	.57	14	4,500	31.0	2.50	64	28	.08	.12	55
520N-6	528N-6	3/8	10	.65	17	4,000	27.6	2.50	64	28	.08	.13	55
520N-8	528N-8	1/2	13	.81	21	3,500	24.1	4.00	102	28	.14	.20	55
520N-10	528N-10	5/8	16	.92	23	2,750	19.0	6.00	152	28	.17	.25	55

## Construction

Tube: Nylon  
 Reinforcement: Aramid fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black
- Orange (Non-Conductive)

## Notes

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



# 526BA – Breathing Air Refill Hose



## Features

- 6000 PSI Constant Pressure

## Certifications (Complies with:)

- CGA G7.1-1997 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

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		lbs./ft.	kg./mtr.	
#												
526BA-3	3/16	5	.42	11	6,000	41.4	1.50	38	28	.05	.07	55
526BA-4	1/4	6	.50	13	6,000	41.4	2.00	51	28	.07	.10	55
526BA-6	3/8	10	.64	16	6,000	41.4	3.00	76	28	.09	.13	55

## Construction

Tube: Nylon  
 Reinforcement: Aramid fiber  
 Cover: Polyurethane

## Colors

- Gray

## Operating Parameters

Temperature Range:  
 -40°F to +180°F (-40°C to +82°C)  
 Change in working length @ Rated WPSI: ±2% Max.  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## 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

## Fittings

55 Series – pg. E-12  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

For detailed ordering information, please consult price list or contact Parflex® Division.



# 527BA – Breathing Air Refill Hose



## Features

- 7000 PSI constant pressure

## Certifications (Complies with:)

- CGA G7.1-1997 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

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		lbs./ft.	kg./mtr.	
#												
527BA-3	3/16	5	.43	11	7,000	48.3	1.50	38	28	.05	.07	55
527BA-4	1/4	6	.52	13	7,000	48.3	2.00	51	28	.07	.11	55

## Construction

Tube: Nylon  
Reinforcement: Aramid fiber  
Cover: Polyurethane

## Operating Parameters

Temperature Range:  
-40°F to +180°F (-40°C to +82°C)  
Change in working length @ Rated WPSI: ±2% Max.  
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
Connection configurations limited to:  
-Male Pipe (01)  
-Female Pipe (02)  
-Male JIC (03, 3E)  
-Female JIC Swivel (06, 37, 39, 41, L9)

For Crimp Die Selection charts see pgs. G-30 : G-41  
Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## 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



For detailed ordering information, please consult price list or contact Parflex® Division.

# 53DM/538DM – DuraMax™ Low Temperature



## Features

- Matte jacket for low coefficient of friction
- Superior flexibility in cold temperature applications
- Better bend radius than SAE J517 and 100R7
- Smaller O.D.s than 100R7 and 100R18
- 3000 PSI constant pressure

## Certifications

- Meets or 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 climate
- 53DM-12 Not suggested for use in over-the-sheave (pulley system) applications

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
53DM-3	538DM-3	3/16	5	.43	11	3,000	20.7	1.00	25	28	.06	.08	55
53DM-4	538DM-4	1/4	6	.49	12	3,000	20.7	1.25	32	28	.07	.10	55/HY*
53DM-5	538DM-5	5/16	8	.60	15	3,000	20.7	2.00	51	28	.10	.15	58/HY*
53DM-6	538DM-6	3/8	10	.66	17	3,000	20.7	2.00	51	28	.11	.16	55/58/HY*
53DM-8	538DM-8	1/2	13	.84	21	3,000	20.7	3.50	89	28	.17	.26	55/58/HY*
53DM-10	538DM-10	5/8	16	1.03	26	3,000	20.7	4.00	102	28	.22	.33	58
53DM-12	-	3/4	19	1.13	29	3,000	20.7	6.50	165	28	.26	.39	58H

## Construction

Tube: Copolyester  
 Reinforcement: Fiber  
 Cover: Copolyester

## Operating Parameters

Temperature Range:  
 -70°F to +212°F (-57°C to +100°C)  
 For use with water and water-based hydraulic fluids to +135°F (+57°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12    58 Series – pg. E-12  
 58H Series – pg. E-41  
 HY Series – pg. E-87 (\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black
- Orange (Non-Conductive)

## Notes

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

*For detailed ordering information, please consult price list or contact Parflex® Division.*



# 540N – General Hydraulic Hose



## Features

- Matte jacket for low coefficient of friction
- Special order colors
- Twin or multi-line available
- Excellent chemical compatibility
- Greater range of fluid compatibility than SAE 100R1 hose

## Certifications

- Meets or Exceeds SAE 100R7
- MSHA Accepted

## Applications/Markets



- Hydraulic and pneumatic systems, agricultural spraying, polyurethane foam mixers, robotics, fire-resistant fluid and hot water

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		lbs./ft.	kg./mtr.	
#												
540N-2	1/8	3	.34	9	3,000	20.7	0.50	13	28	.03	.05	57
540N-3	3/16	5	.44	11	3,000	20.7	0.75	19	28	.04	.06	55
540N-4	1/4	6	.50	13	2,750	19.0	1.50	38	28	.07	.10	55
540N-5	5/16	8	.58	15	2,500	17.2	1.75	44	28	.07	.10	55
540N-6	3/8	10	.65	17	2,250	15.5	2.00	51	28	.09	.13	55
540N-8	1/2	13	.81	21	2,000	13.8	3.00	76	28	.13	.19	55
540N-12	3/4	19	1.05	27	1,250	8.6	6.00	152	28	.17	.25	55

## Construction

Tube: Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 57 Series – pg. E-37  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Perforated cover





# 540P – Specialty Water Hose



## Features

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

## Certifications

- Meets or Exceeds SAE 100R7
- Core tube compliant with FDA Title 21 & NSF 51

## Applications/Markets



- Potable water delivery to remote sites
- Distilled and de-ionized water

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		lbs./ft.	kg./mtr.	
#												
540P-4	1/4	6	.50	13	2,750	19.0	1.25	32	28	.05	.08	55
540P-6	3/8	10	.65	17	2,250	15.5	2.00	51	28	.09	.13	55
540P-8	1/2	13	.81	21	2,000	13.8	3.00	76	28	.13	.19	55
540P-12	3/4	19	1.05	27	1,250	8.6	5.00	127	28	.19	.28	55

## Construction

Tube: Polyethylene  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +150°F (-40°C to +66°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Aqua

## Notes

Perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.



# 55LT – Low Temperature Hose



## Features

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

## Certifications

- Meets or 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

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.	
#												
55LT-2	1/8	3	.34	9	3,000	20.7	0.50	13	28	.03	.05	57
55LT-3	3/16	5	.43	11	3,250	22.4	0.75	19	28	.05	.08	55
55LT-4	1/4	6	.51	13	3,000	20.7	1.25	32	28	.07	.10	55
55LT-5	5/16	8	.57	14	2,500	17.2	1.75	44	28	.09	.13	55
55LT-6	3/8	10	.66	17	2,250	15.5	2.00	51	28	.10	.14	55
55LT-8	1/2	13	.81	21	2,000	13.8	3.00	76	28	.14	.21	55
55LT-12	3/4	19	1.09	28	1,250	8.6	5.00	127	28	.21	.31	55

## Construction

Tube: Copolyester  
 Reinforcement: Fiber  
 Cover: Copolyester

## Operating Parameters

Temperature Range:  
 -70°F to +212°F (-57°C to +100°C)  
 For use with water and water-based hydraulic fluids to +135°F (+57°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 57 Series – pg. E-37  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Perforated cover



# 56DH/568DH – Diagnostic Hose



## Features

- Twin or multi-line available
- Compact OD, lightweight, flexible

## Certifications

- MSHA Accepted for -2 only

## Applications/Markets



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

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.	
56DH-1.5	568DH-1.5	.09	2	.20	5	6,000	41.4	0.25	6	.02	.01	SF
56DH-2	568DH-2	.14	4	.32	8	6,000	41.4	0.50	13	.03	.05	CY

## Construction

Tube: Nylon  
 Reinforcement: Aramid fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +200°F (-40°C to +93°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

CY Series – pg. E-81  
 SF Series – pg. E-85  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black
- Orange (Non-Conductive)

## Notes

Perforated cover - 56DH  
 Non-perforated cover - 568DH

For detailed ordering information, please consult price list or contact Parflex® Division.



# 573X – Fast Response Hose



## Features

- Fast response even over longer lengths
- 3000 PSI constant pressure

## Certifications

- MSHA Accepted -3 only

## Applications/Markets



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

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		lbs./ft.	kg./mtr.	
#												
573X-3	3/16	5	.34	9	3,000	20.7	2.00	51	28	.03	.04	LV
573X-16	1	25	1.46	37	3,000	20.7	10.00	254	28	.41	.60	LV

## Construction

Tube: Nylon  
 Reinforcement: Aramid fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +200°F (-40°C to +93°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

LV Series – pg. E-104

## Colors

- Black

## Notes

Non-perforated cover  
 Factory-made assemblies only

# 575X – Fast Response Hose



## Features

- Fast response even over longer lengths
- 5000 PSI constant pressure

## Certifications

- MSHA Accepted

## Applications/Markets



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

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		lbs./ft.	kg./mtr.	
#												
575X-3	3/16	5	.43	11	5,000	34.5	1.50	38	28	.05	.07	55
575X-4	1/4	6	.51	13	5,000	34.5	2.00	51	28	.07	.10	55
575X-6	3/8	10	.64	16	5,000	34.5	3.00	76	28	.09	.13	55
575X-8	1/2	13	.81	21	5,000	34.5	4.00	102	28	.14	.21	55
575X-12	3/4	19	1.15	29	5,000	34.5	8.00	203	28	.24	.36	58H
575X-16	1	25	1.59	40	5,000	34.5	10.00	254	28	.36	.54	58H

## Construction

Tube: Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 58H Series – pg. E-41  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Non-perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | [parker.com/pfd](http://parker.com/pfd)



# 580N/H580N/588N – High Pressure Hose



## Features

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



## Certifications

- Meets or Exceeds SAE 100R8 specifications
- 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
- Replaces 100R2 rubber hose wherever greater flexibility, fluid compatibility, and cover durability are required

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
580N-4	588N-4	1/4	6	.62	16	5,000	34.5	2.00	51	28	.11	.16	58
580N-6	588N-6	3/8	10	.77	20	4,000	27.6	2.50	64	28	.15	.22	58
580N-8	588N-8	1/2	13	.89	23	3,500	24.1	4.00	102	28	.21	.31	58
580N-10	588N-10	5/8	16	.98	25	2,750	19.0	6.00	152	28	.21	.31	58
580N-12	588N-12	3/4	19	1.15	29	2,250	15.5	8.00	203	28	.23	.35	58
580N-16	588N-16	1	25	1.47	37	2,000	13.8	10.00	254	28	.38	.56	58
H580N-16*	-	1	25	1.58	40	3,000	20.7	10.00	254	28	.53	.79	58H

## Construction

Tube: Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12  
 58H Series – pg. E-41  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black
- Orange (Non-Conductive)

## Notes

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





# 83FR – DuraGard™ General Purpose Polyurethane



## Features

- Weld spatter resistant
- Excellent abrasion resistance
- Extreme flexibility
- Compact bend radius
- Specially formulated polyurethane tube
- Twin-line or multi-line constructions available

## Certifications

- MSHA Accepted
- Non-conductive per SAEJ343 test procedures for thermoplastic hose
- UL94HB compliant

## Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	PushLok Fitting*
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs./ft.	kg./mtr.		
#													
83FR-4	1/4	6	.48	12	300	2.1	1.00	25	28	.05	.07	55/HY**	82*
83FR-6	3/8	10	.60	15	300	2.1	2.00	51	28	.08	.11	55/HY**	82*
83FR-8	1/2	13	.76	19	300	2.1	2.50	64	28	.12	.17	55/HY**	82*
83FR-12	3/4	19	1.04	26	300	2.1	3.50	89	28	.19	.28	55/HY**	82*

## Construction

Tube: Specially formulated polyurethane  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -20°F to +200°F (-29°C to +93°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 82 Series – (\*82 Series Fittings available from Parker Hose Products Division)  
 HY Series – pg. E-87 (\*\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## 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 to +145°F (-29°C to +63°C)  
 175 PSI maximum working pressure  
 Non-perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.



# 1035A – Power Cleaning



## Features

- Non-marring
- Extremely flexible

## Applications/Markets



- Pressure washers (low pressure)
- Carpet cleaning

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.	
#												
1035A-4	1/4	6	.51	13	1,500	10.3	.63	16	28	.08	.13	55
1035A-6	3/8	10	.62	16	1,200	8.3	.88	22	28	.10	.15	55

## Construction

Tube: Special PFX compound

Reinforcement: Fiber

Cover: Polyurethane

## Operating Parameters

Temperature Range:

-25°F to +212°F (-32°C to +100°C)

Change in working length @ Rated WPSI: ±2%

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

## Fittings

55 Series – pg. E-12

For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Blue

## Notes

Perforated cover

No chlorinated solvents should be used

HBR (Hose Bend Restrictor) suggested for carpet cleaning applications - See Hose Guard in Tooling Equipment and Accessories Section

# 1035HT – High Temperature Power Cleaning



## Features

- Non-marring
- Broad temperature range

## Applications/Markets



- Pressure washers (low pressure, high temperature)
- Carpet cleaning

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.	
#												
1035HT-3	3/16	5	.43	11	2,000	13.8	0.75	19	28	.04	.06	55
1035HT-4	1/4	6	.50	13	1,750	12.1	1.50	38	28	.06	.08	55
1035HT-6	3/8	10	.65	17	1,500	10.3	2.00	51	28	.09	.13	55

## Construction

Tube: Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +230°F (-40°C to +110°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Yellow

## Notes

Perforated cover  
 No chlorinated solvents should be used  
 HBR (Hose Bend Restrictor) suggested for carpet cleaning applications - See Hose Guard in Tooling Equipment and Accessories Section pg. F-21

For detailed ordering information, please consult price list or contact Parflex® Division.



# B9 - General Purpose Transfer Hose



## Features

- Excellent flexibility

## Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Vac. Rating Hg./73°F	Permanent Fitting Series	Field Attachable Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.			
#													
B903	3/16	5	.39	10	250	1.7	1.00	25	.04	.06	28	55	-
B904	1/4	6	.46	12	250	1.7	1.50	38	.05	.07	28	55/HY*	82*
B905	5/16	8	.55	14	250	1.7	2.00	51	.08	.12	28	55/HY*	-
B906	3/8	10	.64	16	250	1.7	3.00	76	.09	.13	28	55/HY*	82*
B908	1/2	13	.78	20	250	1.7	3.00	76	.13	.19	28	55/HY*	82*
B910	5/8	16	.93	24	250	1.7	4.00	102	.20	.30	28	55/HY*	82*

## Construction

Tube: Specially formulated polyurethane  
 Reinforcement: Fiber  
 Cover: Specially formulated polyurethane

HY Series - pg. E-87 (\*HY Fittings available from Parker Hose Products Division)

For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Operating Parameters

Temperature Range:  
 -40°F to +200°F (-40° C to +93° C)  
 (Limited to +130°F (+54°C) for water and water-based fluids)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Colors

- Red
- Black (BK)

## 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

## Fittings

55 Series - pg. E-12  
 82 Series - (\*82 Series Fittings available from Parker Hose Products Division)



For detailed ordering information, please consult price list or contact Parflex® Division.

# CNG – Electrically Conductive Compressed Natural Gas Hose



## Features

- Twin and multi-line available

## Certifications

- Conforms to:
- NFPA 52
- ANSI/IAS NGV 4.2-1999
- CSA12.52-M99

## Applications/Markets



- CNG Dispenser
- Fleet transit
- CNG Fuel transfer
- Residential CNG refueling

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		lbs./ft.	kg./mtr.
#											
5CNG-3	3/16	5	.43	11	5,000	34.5	1.50	38	28	.05	.07
5CNG-4	1/4	6	.62	16	5,000	34.5	2.00	51	28	.11	.16
5CNG-6	3/8	10	.65	16	5,000	34.5	3.00	76	28	.09	.13
5CNG-8	1/2	13	.90	23	5,000	34.5	4.00	102	28	.21	.31
5CNG-12	3/4	19	1.15	29	5,000	34.5	7.50	191	28	.24	.36
5CNG-16	1	25	1.59	40	5,000	34.5	10.00	254	28	.36	.53

## Construction

Tube: Electrically conductive nylon

Reinforcement: Fiber

Cover: Polyurethane

## Operating Parameters

Temperature Range:

-40°F to +180°F (-40°C to +82°C)

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

## Fittings

Factory-made assemblies only

55 Series – pg. E-12

58 Series – pg. E-12

58H Series – pg. E-41

For Crimp Die Selection charts see pgs. G-30 : G-41

## Colors

- Red

## Notes

Perforated cover

CNG hose must be assembled at the factory or by a Parflex approved facility

Wire spring guards must be used on ANSI/CSA design certified CNG dispenser hose assembly sizes -3 through -8: single and multi-line bonded assemblies - pg. F-21

For detailed ordering information, please consult price list or contact Parflex® Division.

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# 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

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
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs./ft.	kg./mtr.		
#													
HLB02*	1/8	3.2	.32	8	3,000	20.7	.50	13	28	.03	.04	CY	BU
HLB03**	3/16	4.8	.41	10	3,000	20.7	.75	19	28	.06	.08	CY	BU

## Construction

Tube: Copolyester  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C) with CY fittings  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

BU Series Field Attachable Fitting limited to 120°F  
 Change in working length @ Rated WPSI: ±3%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

BU Series – pg. E-80  
 CY Series – pg. E-81  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Not for use as a whip hose on hand-operated grease guns  
 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-21  
 \*HLB-2 - Guard P.N. CY02-652317  
 \*\*HLB-3 - Guard P.N. 3CNG-4





# MSH – Marine Steering Fast Response Hose



## Features

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

## Applications/Markets



- Wide range of marine applications
- Marine hydraulic steering systems

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
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs./ft.	kg./mtr.		
#													
MSH-5	5/16	8	.48	12	1,000	6.9	2.25	57	28	.05	.07	MS	MS
MSH-6	3/8	10	.59	15	1,000	6.9	3.00	76	28	.07	.11	MS	MS

## Construction

Tube: Nylon  
Reinforcement: Fiber  
Cover: Polyurethane

## Operating Parameters

Temperature Range:  
-40°F to +200°F (-40°C to +93°C)  
(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)  
Change in working length @ Rated WPSI: ±2%  
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

MS Series – pg. E-105  
For Crimp Die Selection charts see pgs. G-30 : G-41  
Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## 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-21

For detailed ordering information, please consult price list or contact Parflex® Division.

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# MSXL – High Pressure Marine Steering Hose



## Features

- Fast, accurate response
- Low volumetric expansion
- Salt water, corrosion resistant

## Applications/Markets



- Wide range of marine applications
- Marine hydraulic steering systems

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		lbs./ft.	kg./mtr.	
MSXL-5	5/16	8	.50	13	1,500	10.3	2.25	57	28	.05	.07	MS

## Construction

Tube: Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Colors

- Black

## Operating Parameters

Temperature Range:  
 -40°F to +185°F (-40°C to +85°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Notes

Non-perforated cover

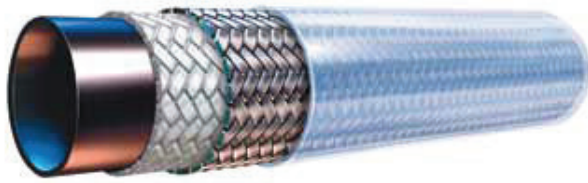
HBR (Hose Bend Restrictor) available for Marine Steering Hose Assemblies. See Hose Guard in Tooling Equipment and Accessories Section pg. F-21

## Fittings

MS Series – pg. E-105  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)



# PTH – Marine Power Tilt Hose



## Features

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

## Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Vac. Rating Hg./73°F	Minimum Bend Radius			Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa		inch	inch	mm	lbs./ft.	kg./mtr.	
#													
PTH-3	3/16	5	.43	11	3,000	20.7	28	0.75	19	.08	.11	92	

## Construction

Tube: Nylon  
 Reinforcement: Fiber and Stainless Steel braid  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

92 Series – pg. E-65  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Clear

## Notes

Non-perforated cover  
 Also available as custom order with black jacket

For detailed ordering information, please consult price list or contact Parflex® Division.

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# S4 – Predator® Hose (Water Jetting/Lateral Cleaning)



## Features

- Easily identified lime green cover signifies 4000 PSI constant pressure
- Slim profile and lightweight provide easy handling and routing

## Certifications

- NSWMA (National Solid Waste Management Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)
- Specifications for repair/inspection procedures for high pressure hose used in conjunction with sewer/catch basin cleaning equipment

## Applications/Markets



- High-pressure water equipment for cleaning or debris removal in lateral sewer lines
- Lines provide connection from commercial, industrial or residential structure to the main sewer line located under the streets
- Lateral lines are smaller in diameter than the main lines, and rely more on water pressure than water volume to clear residue and obstructions
- For water/slurry applications, contact Parflex for chemical compatibility/recommendations

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.	
#											
S408	1/2	13	.89	23	4,000	27.6	4.00	102	.20	.29	58/HY*
S410	5/8	16	1.06	27	4,000	27.6	5.00	127	.32	.48	43**

## Construction

Tube: Gray Copolyester  
Reinforcement: Fiber  
Cover: Polyurethane

## Operating Parameters

Temperature Range:  
-40°F to +135°F for water (-40°C to +57°C)  
Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12  
43 Series – (\*\*43 Series Fittings available from Parker Hose Products Division)  
HY Series – pg. E-87 (\*HY Fittings available from Parker Hose Products Division)  
For Crimp Die Selection charts see pgs. G-30 : G-41  
Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Green

## Notes

All standard assembly lengths coupled with rigid male pipe each end  
Not for use in hydraulic applications  
Perforated cover - S410  
Non-perforated cover - S408

# S5 – Predator® Hose (Water Jetting/Lateral Cleaning)



## Features

- Easily identified lime green cover signifies 4000 PSI constant pressure
- Slim profile and lightweight provide easy handling and routing

## Certifications

- NSWMA (National Solid Waste Management Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)
- Specifications for repair/inspection procedures for high pressure hose used in conjunction with sewer/catch basin cleaning equipment

## Applications/Markets



- High-pressure water equipment for cleaning or debris removal in lateral sewer lines
- Lines provide connection from commercial, industrial or residential structure to the main sewer line located under the streets
- Lateral lines are smaller in diameter than the main lines, and rely more on water pressure than water volume to clear residue and obstructions
- For water/slurry applications, contact Parflex for chemical compatibility/recommendations

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.	
S508	1/2	13	.80	20	4000	27.6	4.00	102	.16	.24	HY*/55

## Construction

Tube: Gray Copolyester  
 Reinforcement: Aramid Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +135°F for water (-40°C to +57°C)  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 HY Series – pg. E-87 (\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Green

## Notes

All standard assembly lengths coupled with rigid male pipe each end  
 S508 product can be mended with a swaged 1HUHY-8-8;  
 HY end connections must be crimped  
 Not for use in hydraulic applications  
 Perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.



# 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 Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)
- Specifications for repair/inspection procedures for high pressure hose used in conjunction with sewer/catch basin cleaning equipment

## Applications/Markets



- High-pressure and high-volume water equipment for cleaning or debris removal in large sewer lines
- For water/slurry applications, contact Parflex for chemical compatibility/recommendations

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	1.14	29	2,500	17.2	4.00	102	.29	.43	58/SQ/HY*
S616	1	25	1.41	36	2,500	17.2	6.00	152	.38	.57	58/SQ/HY*
S620	1-1/4	32	1.78	45	2,500	17.2	12.00	305	.61	.91	SQ
S624	1-1/2	38	2.11	54	2,500	17.2	15.00	381	.83	1.24	71**

## Construction

Tube: Gray Copolyester, S624 – Gray Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +135°F (-40°C to +57°C)  
 Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12  
 SQ Series (Swage Only)– pg. E-107  
 71 Series – (\*\*71 Series Fittings available from Parker Hose Products Division)  
 HY Series – pg. E-87 (\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Orange

## Notes

All standard assembly lengths coupled with rigid male pipe each end  
 Not for use in hydraulic applications  
 Perforated cover - S612, S616  
 Non-perforated cover - S620, S624



# 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 Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)
- Specifications for repair/inspection procedures for high pressure hose used in conjunction with sewer/catch basin cleaning equipment

## Applications/Markets



- High-pressure and high-volume water equipment for cleaning or debris removal in large sewer lines
- For water/slurry applications, contact Parflex for chemical compatibility/recommendations

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	1.15	29	3,000	20.7	4.00	102	.30	.45	58/SQ/HY*
S916	1	25	1.47	37	3,000	20.7	8.00	203	.46	.68	58/SQ/HY*

## Construction

Tube: Gray Copolyester  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +135°F for water (-40°C to +57°C)  
 Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12  
 SQ Series (Swage Only)– pg. E-107  
 HY Series – pg. E-87 (\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Blue

## Notes

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

*For detailed ordering information, please consult price list or contact Parflex® Division.*



# SLH – Sewer Leader Hose



## Features

- Easily identified black cover indicates termination of hose

## Certifications

- NSWMA (National Solid Waste Management Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)

## Applications/Markets



- Leader hose for S4/S5/S6/S9 high-pressure sewer cleaning hose

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		lbs./ft.	kg./mtr.	
#												
SLH-8	1/2	13	0.77	20	4,000	27.6	3.50	89	28	.25	.37	58/HY*
SLH-10	5/8	16	0.95	24	4,000	27.6	4.00	102	28	.38	.57	HY*
SLH-12	3/4	19	1.08	27	3,000	20.7	4.80	122	28	.45	.67	HY*
SLH-16	1	25	1.43	36	3,000	20.7	6.00	152	28	.80	1.19	HY*

## Construction

Tube: Gray Copolyester  
 Reinforcement: Wire  
 Cover: Neoprene

## Operating Parameters

Temperature Range:  
 -40°F to +150°F (-40°C to +66°C)  
 Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12  
 HY Series – pg. E-87 (\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Not for use in hydraulic applications



# XDH eXtreme™ Duty Hose



## Features

- Designed for high volume, repeatable applications in extreme environmental conditions such as high temperatures, complicated routings, and high abrasion areas
- All hoses heat formed into customized routings
- Can be easily routed throughout extreme environments, eliminating the need for metal tubing/hose combinations and multiple connecting points

## Certifications

- Meets or Exceeds performance criteria of:
  - SAE J517 100R16
  - SAE J517 100R2
  - SAE J517 100R17
  - SAE J517 100R19

## Applications/Markets



- Ideally suited for extreme environmental conditions such as high temperatures, complicated routings, high abrasion and aggressive fluids.

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.
#	[Diagram]		[Diagram]		[Diagram]		[Diagram]		[Diagram]	[Diagram]	[Diagram]
XDH-4	1/4	6	.43	11	5,000	35	2.0	50	28	.10	.14
XDH-6	3/8	10	.62	16	4,000	28	2.5	64	28	.19	.28
XDH-8	1/2	13	.75	19	4,000	28	3.5	89	28	.25	.37

## Construction

Tube: Engineered Thermoplastic  
 Reinforcement: Braided Steel wire  
 Cover: Engineered Thermoplastic

## Operating Parameters

Temperature Range:  
 -65°F to +300°F (-54°C to +150°C)  
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

Min. Burst Pressure is 4x Max Working Pressure at 73°F (23°C)  
 Change in working length @ Rated WPSI: +1%/-2%

## Fittings

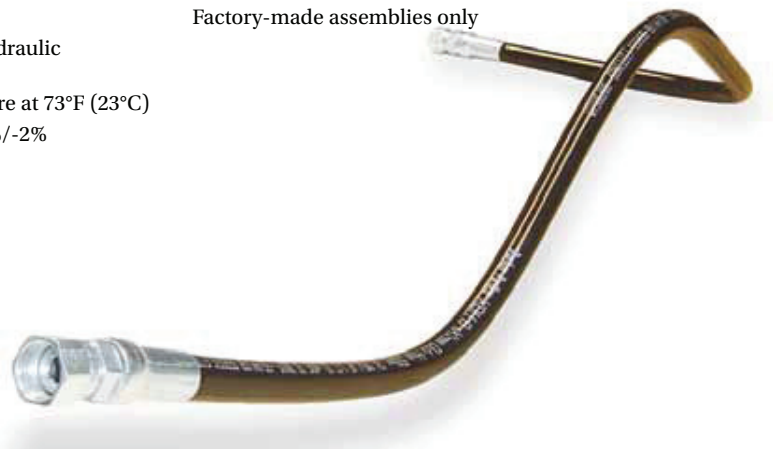
55 Series - pg. E-12

## Colors

- Black

## Notes

Factory-made assemblies only



For detailed ordering information, please consult price list or contact Parflex® Division.

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# Duraflex™ Hydraulic Hose Coil



## Features

- Bonded twin-line construction
- Self retracting coil design

## Certifications

- 528N - Meets or Exceeds SAE 100R8  
548N - Meets or Exceeds SAE 100R7
- Meet SAE J517 for less than 50 micro-amperes leakage under 75,000 volts per foot

## Applications/Markets



- Hydraulic tool hose for aerial lift applications
- General hydraulics

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		lbs./ft.	kg./mtr.	
548N-6	3/8	10	.65	17	2,250	15.5	2.00	51	28	.09	.13	55
528N-6	3/8	10	.65	17	4,000	27.6	2.50	64	28	.08	.13	55

Nomenclature	
<p><b>HC-548N-06MP-06MP-10</b></p>	
<p><b>Configuration</b></p> <p>HC twin-line hose coil (blank) twin-line straight hose</p>	←
<p><b>Hose Type (see specifications below)</b></p> <p>548N Med Pressure - straight or coiled 528N High Pressure - straight or coiled</p>	←
<p><b>End Connectors</b></p> <p>06MP 3/8" Rigid Male Pipe 06FJ 3/8" Female JIC Swivel</p>	←
<p><b>Effective Working Length</b></p> <p>6 6 foot length 8 8 foot length 10 10 foot length 12 12 foot length</p>	←
<p><b>Notes</b></p> <p>1) Part Number example shown is a stocked item. 2) Other combinations from this chart are readily available. 3) For options not shown, please consult Parflex Division.</p>	

## Construction

Tube: Nylon  
Reinforcement: 528N-Aramid fiber/548N-Fiber  
Cover: Polyurethane

## Operating Parameters

Temperature Range:  
-40°F to +212°F (-40°C to +100°C)  
Change in working length @ Rated WPSI: ±2%  
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series - pg. E-12  
For Crimp Die Selection charts see pgs. G-30 : G-41  
Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Orange (Non-Conductive)

## Notes

Non-perforated cover