

# 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
- Construction Equipment
- Lubricating Oils
- Transportation

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-107 (\*\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

## Notes

\*Two wire braid

# D6R – Hybrid Hose



## Features

- Long continuous package lengths available
- Up to 40% lighter than comparable rubber hoses
- Wide range of fluid compatibility
- Compact hose construction
- Bend radius less than half of conventional SAE 100R1 & 100R2 hoses
- UV resistant cover
- Low force to flex
- 3,000 psi working pressure

## Applications/Markets



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

## Certifications

- ISO 11237 Type R17
- SAE 100R17
- MSHA accepted

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./m.	
#											
D6R04	1/4	6	.46	12	3,000	21.0	1.5	38	0.10	0.14	55/56
D6R05	5/16	8	.55	14	3,000	21.0	2.25	57	0.14	0.21	55/56
D6R06	3/8	10	.61	16	3,000	21.0	2	51	0.17	0.24	55/56
D6R08	1/2	13	.76	19	3,000	21.0	3	76	0.26	0.37	55/56
D6R10	5/8	16	.96	24	3,000	21.0	3.5	89	0.42	0.62	56

## Construction

Tube: Copolyester  
 Reinforcement: Steel wire  
 Cover: Smooth synthetic rubber

## Operating Parameters

Temperature Range:  
 Petroleum base hydraulic fluids and lubricating oils within a temperature range of -40°F to +250°F (-40°C to +121°C)  
 Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids up to +185°F (+85°C)  
 Water/glycol hydraulic fluids up to +135°F (+57°C)  
 Vacuum Rating: 28 inch Hg  
 Change in Working Length @  
 Max. Working Pressure: +2/-4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36  
 HY\* Series – pg. E-107  
 (HY Fittings available from Parker Hose Products Division)  
 \*HY fittings are only approved on an adjustable crimper  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Color

- Black

## Notes

Reference Parflex Safety Guide in Catalog 4660 for complete guidelines on hose selection and maintenance

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



# HFS – Fire-Screen® 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 length at Max. Working Pressure: +2% to -4%

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

## Fittings

58 Series – pg. E-12

BA Series – pg. E-99

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

HY Series – pg. E-107 (\*\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

# HFSR Hybrid Hose with Rubber Cover



## Features

- Long package lengths typical, up to 500 foot
- Increased oil, ozone and impulse resistance
- Up to 40% lighter than comparable rubber hoses
- UV resistant cover
- Low force to flex
- Low length change under pressure
- Patented process that bonds the core to the reinforcement
  - resists kinking
  - resists core wash out

## Applications/Markets



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

## Certifications

- Meets or exceeds SAE J517-100R1
- Meets or exceeds ISO Pressure standards

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi@73°C	MPa@23°F	psi@73°F	MPa@23°C	inch	mm	lbs./ft.	kg./m.	
#													
HFSR04	1/4	6	.46	12	3,000	20.6	12,000	82.7	1-1/2	38	0.10	0.14	55/56/HY*
HFSR05	5/16	8	.52	13	3,000	20.6	12,000	82.7	1-3/4	45	0.12	0.18	55/56/HY*
HFSR06	3/8	10	.61	16	2,500	17.2	10,000	68.9	2	51	0.17	0.25	55/56/HY*
HFSR08	1/2	13	.74	19	2,500	17.2	10,000	68.9	3	76	0.21	0.32	55/56/HY*
HFSR12	3/4	19	1.02	26	1,500	10.3	6,000	41.3	4-1/4	108	0.31	0.46	55/56/HY*
HFSR16	1	25	1.31	33	1,250	8.6	5,000	34.4	7-1/2	191	0.44	0.66	55/56/HY*

## Construction

Tube: Copolyester  
 Reinforcement: Steel wire  
 Cover: Smooth synthetic rubber

## Operating Parameters

Temperature Range:

Petroleum base hydraulic fluids and lubricating oils within a temperature range of -40°F to +250°F (-40°C to +121°C)

Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids up to +185°F (+85°C)

Water/glycol hydraulic fluids up to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

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

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

## Fittings

55 Series - pg. E-12      56 Series - pg. E-36

HY\* Series - pg. E-107

\*HY fittings are only approved on an adjustable crimper

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

HY Series - pg. E-107 (HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Color

- Black

## Notes

Reference Parflex Safety Guide in Catalog 4660 for complete guidelines on hose selection and maintenance

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)



# HFS2 – Fire-Screen II® Hybrid Hose



## Features

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

## Certifications

- Meets/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 length at Max. Working Pressure: +2% to -4%

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

## Fittings

58 Series – pg. E-12      BA Series – pg. E-99

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

HY Series – pg. E-107 (\*\*HY Fittings available from Parker Hose Products Division) \*HY fittings are only approved on an adjustable crimper

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

## Notes

\*Two wire braid

# HFS2R – Fire-Screen II® Hybrid Hose



## Features

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

## Certifications

- Meets/Exceeds SAE 100R16
- 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
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs./ft.	kg./mtr.	
#												
HFS2R04	1/4	6	.54	14	5,000	34.5	2.00	51	28	.21	.31	55/56
HFS2R06	3/8	10	.64	16	4,000	27.6	2.50	64	28	.23	.34	55/56/HY*
HFS2R08	1/2	13	.76	19	3,500	24.1	3.50	89	28	.29	.43	55/56/HY*
HFS2R10	5/8	16	.93	24	2,750	19.0	4.00	102	28	.38	.57	55/56/HY*
HFS2R12	3/4	19	1.07	27	2,250	15.5	4.75	121	28	.45	.67	56/HY*
HFS2R16	1	25	1.40	35	2,000	13.8	6.00	152	28	.80	1.19	56/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 +212°F (-40°C to +100°C)  
 (Limited to +185°F (+85°C) for synthetic hydraulic fluids and water-based fluids)  
 Change in length at Max. Working Pressure: +2% to -4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36  
 HY\* Series – pg. E-107  
 (HY Fittings available from Parker Hose Products Division)  
 \*HY fittings are only approved on an adjustable crimper  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Black

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



A Hose  
 B Tubing  
 C Coiled Air Hose & Fittings  
 D Transportation  
 E Fittings  
 F Tooling, Equipment & Accessories  
 G General Technical

# H6 – High Performance Hydraulic Hose



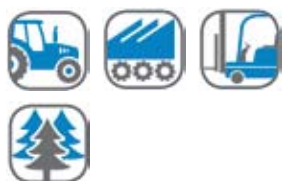
## Features

- 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	56
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	56/43**
H608	1/2	13	.78	20	3,000	20.7	3.50	89	28	.29	.43	56
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: Abrasion-resistant copolymer

## 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 Max. Working Pressure: +2% to -4%

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

## Fittings

56 Series – pg. E-36

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

HY Series – pg. E-107 (\*\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

## Notes

\*Two wire braid

Twin line hose available

Preformed assemblies

# 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		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 length at Max. Working Pressure: +2% to -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-107 (\*\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

## Notes

\*Two wire braid

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)





# 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-107 (\*\*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)

Access instructions are on pg. G-13

## Colors

- Black

## Notes

HTB04 cover must be skived prior to fitting attachment

# HTBR – Eliminator® Hybrid Hose



## Features

- 3500 psi to 7000 psi working pressures
- Wide range of fluid compatibility
- Compact O.D.
- Low force to flex
- UV & Ozone resistant cover
- Low length change under pressure

## Certifications

- MSHA Accepted

## Applications/Markets



- General Hydraulic Applications
- Lubricating Oils
- Construction Equipment
- Agriculture Equipment

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg/m.	
#											
HTBR4	1/4	6	.57	14	7,000	48.2	4	102	0.25	0.37	43
HTBR6	3/8	10	.72	18	5,500	37.9	6	152	0.33	0.50	43
HTBR8	1/2	13	.85	21	5,000	34.4	7	178	0.43	0.63	43
HTBR10	5/8	16	1.01	26	4,000	27.5	8	203	0.52	0.77	43
HTBR12	3/4	19	1.16	29	4,000	27.5	9-1/2	241	0.71	1.06	43
HTBR16	1	25	1.43	36	3,500	24.1	12	305	0.91	1.35	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)

Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F to +212°F (-40°C to +100°C)

Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids up to +185°F (+85°C)

Water/glycol hydraulic fluids up to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

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

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

## Fittings

43 Series - (43 Series Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

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)



A-31

# 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/Exceeds SAE 100R12
- MSHA Accepted

## Applications/Markets



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

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 length at Max. Working Pressure: +2% to -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)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

# 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.
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 length at Max. Working Pressure: ±2%

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

## Fittings

HY Series – pg. E-107 (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.

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



A-33

Hose  
A

Tubing  
B

Coiled Air Hose  
& Fittings  
C

Transportation  
D

Fittings  
E

Tooling, Equipment  
& Accessories  
F

General Technical  
G

# 560/560R – 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/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		lbs./ft.	kg./mtr.	
#												
560-3	3/16	5	.44	11	3,500	24.1	0.75	19	28	.07	.11	55/56
560-4	1/4	6	.51	13	3,250	22.4	1.75	44	28	.10	.15	55/56
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	55/56
560-8	1/2	13	.81	21	2,500	17.2	3.25	83	28	.20	.30	55
560R-8	1/2	13	.75	19	2,500	17.2	3.00	76	28	.19	.29	55/56
560-10	5/8	16	.94	24	2,000	13.8	6.00	152	28	.30	.44	55/56
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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36  
 58 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Black

## Notes

Non-perforated cover



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

# 563 – General Hydraulic Hose



## Features

- Polyurethane cover for best abrasion resistance

## Certifications

- Meets/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 length at Max. Working Pressure: ±2%

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

## Fittings

55 Series – pg. E-12

HY Series – pg. E-107 (\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## 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)



A-35

# 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/Exceeds SAE 100R2 / 100R16
- MSHA Accepted
- \*ABS Approved - 590-4, 590-6, and 590-8

## Applications/Markets



- Construction Equipment
- Machine Tools
- Hydrostatic Transmission
- Refuse Vehicles
- 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	inch	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	55/56
590-8*	1/2	13	.78	20	3,500	24.1	3.25	82	28	.26	.38	55/56
590-10	5/8	16	.98	25	3,000	20.7	6.00	152	28	.39	.57	56/58
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 length at Max. Working Pressure: ±2%

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

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36

58 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## 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/Exceeds SAE 100R2 Pressure Requirements
- MSHA Accepted
- ABS Approved

## Applications/Markets



- General Hydraulic Service

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.	
#												
593-12	3/4	20	1.10	28	3000	20.7	7.00	178	28	.47	.70	LV
593-16	1	25	1.45	37	3250	22.4	8.00	203	28	.69	1.02	LV

## Construction

Tube: 12 – Copolyester, 16 – Nylon

Reinforcement: Aramid fiber, 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 length at Max. Working Pressure: ±2%

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

## Fittings

LV Series – pg. E-124

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## 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)



A-37

Hose  
A

Tubing  
B

Coiled Air Hose  
& Fittings  
C

Transportation  
D

Fittings  
E

Tooling, Equipment  
& Accessories  
F

General Technical  
G



# 510A – Refrigerant Hose



## Features

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

## Certifications

- Meets/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		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
	#	inch	mm	inch	mm	psi	MPa	inch		mm	inch		
510A-2	1/8	3	.34	9	2,500	17.2	0.50	13	28	.03	.05	57	–
510A-3	3/16	5	.43	11	3,000	20.7	2.00	51	28	.05	.07	55/56	51
510A-4	1/4	6	.47	12	2,750	19.0	2.50	64	28	.05	.08	55/56	51
510A-5	5/16	8	.57	14	2,500	17.2	3.00	76	28	.08	.12	55/56	51
510A-6	3/8	10	.64	16	2,250	15.5	4.00	102	28	.08	.13	55/56	51
510A-8	1/2	13	.81	21	2,000	13.8	5.50	140	28	.13	.20	55/56	51
510A-12	3/4	19	1.10	28	1,250	8.6	7.50	191	28	.19	.29	–	51
510A-16	1	25	1.40	36	1,000	6.9	10.00	254	28	.28	.41	–	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 length at Max. Working Pressure: ±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  
 56 Series – pg. E-36                    57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

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

## 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		Vac. Rating Hg./73°F	Weight		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	28	.03	.05	57	–
510C-3*	3/16	5	.43	11	3,250	22.4	0.75	19	28	.05	.07	55/56	51
510C-4*	1/4	6	.47	12	3,000	20.7	1.50	38	28	.05	.08	55/56	51
510C-5	5/16	8	.57	14	2,500	17.2	1.75	44	28	.08	.11	55/56	51
510C-6	3/8	10	.64	16	2,250	15.5	2.00	51	28	.10	.14	55/56	51
510C-8	1/2	13	.81	21	2,250	15.5	3.00	76	28	.15	.22	55/56	51
510C-12	3/4	19	1.09	28	1,250	8.6	5.00	127	28	.21	.31	55/56	51
510C-16	1	25	1.32	34	1,000	6.9	8.00	203	28	.27	.40	55/56	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 length at Max. Working Pressure: ±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  
 56 Series – pg. E-36                    57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## 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/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	55/56	51
518C-4*	1/4	6	.47	12	3,150	21.7	3,000	19.0	1.50	38	28	.05	.08	55/56	51
518C-5	5/16	8	.57	14	3,150	21.7	2,500	17.2	1.75	44	28	.08	.11	55/56	51
518C-6	3/8	10	.64	16	3,000	20.7	2,250	15.5	2.00	51	28	.10	.14	55/56	51
518C-8	1/2	13	.81	21	3,000	20.7	2,250	15.5	3.00	76	28	.15	.22	55/56	51
518C-12	3/4	19	1.09	28	1,660	11.5	1,250	8.6	5.00	127	28	.21	.31	55/56	51
518C-16	1	25	1.32	34	1,330	9.2	1,000	6.9	8.00	203	28	.27	.40	55/56	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 length at Max. Working Pressure: ±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

SAE requires 4:1 Design Factor

## Colors

- Orange

## Fittings

51 Series – pg. E-5 55 Series – pg. E-12

56 Series – pg. E-36 57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Notes

Non-perforated cover

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

\*3/16” and 1/4” working pressure reduced to 3,000 and 2,750 psi respectively when using field attachable couplings

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



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

# 518D – Non-Conductive Hose



## Features

- Nylon core for maximum resistance to permeable fluids.
- Heavier cover for super high abrasion resistance. (518D-4)
- Heavier cover makes splitting bonded hose easier. (518D-4)
- Super high density braid allows smaller braid O.D. (518D-4)
- Twin or multi-line constructions available.

## Applications/Markets



- Medium pressure hydraulic service
- Aerial Lift

## Certifications

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

Part Number	Nominal I.D.		Maximum O.D.		ANSI A92.2 Max. Working Pressure 73°F/ 23°C		SAE 100R7 Max. Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm		lbs./ft.	kg./mtr.	
#														
518D-2	1/8	3	.34	9	3,150	21.7	3,000	20.7	0.50	13	28	.03	.05	57
518D-3	3/16	5	.43	11	3,250	22.4	3,250	22.4	0.75	19	28	.05	.07	55/56
518D-4	1/4	6	.47	12	3,150	21.7	3,000	20.7	1.50	38	28	.06	.09	55/56
518D-5	5/16	8	.57	14	3,150	21.7	2,500	17.2	1.75	44	28	.08	.11	55/56
518D-6	3/8	10	.64	16	3,000	20.7	2,250	15.5	2.00	51	28	.10	.14	55/56
518D-8	1/2	13	.81	21	3,000	20.7	2,250	15.5	3.00	76	28	.15	.22	55/56
518D-12	3/4	19	1.09	28	1,660	11.5	1,250	8.6	5.00	127	28	.21	.31	55

## Construction

Tube: Nylon  
 Reinforcement: High Strength Synthetic Fiber  
 Cover: Proprietary Blend (PFX)

## Operating Parameters

Temperature Range:  
 -40°F to +212°F (-40°C to +100°C)  
 Change in length at Max. Working Pressure: ±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  
 SAE requires 4:1 Design Factor

## Colors

- Orange

## Fittings

55 Series – pg. E-12 56 Series – pg. E-36  
 57 Series – pg. E-58 58 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Notes

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

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



# 515H – Compact/Light Weight Hose



## Features

- Twin or multi-line available
- Compact OD, light weight, 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 length at Max. Working Pressure: ±2%

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

## Fittings

54 Series – pg. E-8

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

## Notes

\*Factory-made assemblies only -3, -5 and -8

Approved with rapid assembly fitting system  
 Perforated cover

# 520N/528N – General Hydraulic Hose



## Features

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

## Certifications

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

## Applications/Markets



- Hydraulic and pneumatic circuits and systems
- Ideal in hot water 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.	
520N-3	528N-3	3/16	5	.43	11	5,000	34.5	1.50	38	28	.05	.07	55/56
520N-4	528N-4	1/4	6	.51	13	5,000	34.5	2.00	51	28	.07	.10	55/56
520N-5	528N-5	5/16	8	.57	14	4,500	31.0	2.50	64	28	.08	.12	55/56
520N-6	528N-6	3/8	10	.65	17	4,000	27.6	2.50	64	28	.08	.13	55/56
520N-8	528N-8	1/2	13	.81	21	3,500	24.1	4.00	102	28	.14	.20	55/56
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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black
- Orange (Non-Conductive)

## Notes

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

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



# 526BA – Breathing Air Refill Hose



## Features

- 6000 psi Constant Pressure

## Certifications (Complies with:)

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

## Applications/Markets



- Integrated containment fill stations
- Mobile and stationary systems with or without cascade controls



- Mobile Trailer/Truck Systems
- Portable SCBA Fill

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.	
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

## Operating Parameters

Temperature Range:

-40°F to +180°F (-40°C to +82°C)

Change in length at Max. Working Pressure: ±2%

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

## Fittings

55 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Gray

## 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

# 527BA – Breathing Air Refill Hose



## Features

- 7000 psi constant pressure

## Certifications (Complies with:)

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

## Applications/Markets



- Integrated containment fill stations
- Mobile and stationary systems with or without cascade controls



- Mobile Trailer/Truck Systems
- Portable SCBA Fill

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 length at Max. Working Pressure: ±2%

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

Access instructions are on pg. G-13

## 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.

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



A-45

Hose  
A

Tubing  
B

Coiled Air Hose & Fittings  
C

Transportation  
D

Fittings  
E

Tooling, Equipment & Accessories  
F

General Technical  
G



# 53DM/538DM – DuraMax™ Low Temperature



## Features

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

## Applications/Markets



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

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.	
53DM-3	538DM-3	3/16	5	.43	11	3,000	20.7	1.00	25	28	.06	.08	55/56
53DM-4	538DM-4	1/4	6	.49	12	3,000	20.7	1.25	32	28	.07	.10	55/56
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	55/56
53DM-8	538DM-8	1/2	13	.84	21	3,000	20.7	3.50	89	28	.17	.26	55/56
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 length at Max. Working Pressure: ±2%

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

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36

58 Series – pg. E-12      58H Series – pg. E-61

HY Series – pg. E-107 (\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black
- Orange (Non-Conductive)

## Notes

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



# 540N – General Hydraulic Hose



## Features

- Matte cover 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/Exceeds SAE 100R7
- MSHA Accepted

## Applications/Markets



- Hydraulic and pneumatic systems
- Agricultural Spraying
- Polyurethane Foam Mixers
- Fire-resistant Fluid
- 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	55/56
540N-4	1/4	6	.50	13	2,750	19.0	1.50	38	28	.07	.10	55/56
540N-5	5/16	8	.58	15	2,500	17.2	1.75	44	28	.07	.10	55/56
540N-6	3/8	10	.65	17	2,250	15.5	2.00	51	28	.09	.13	55/56
540N-8	1/2	13	.81	21	2,000	13.8	3.00	76	28	.13	.19	55/56
540N-12	3/4	19	1.05	27	1,250	8.6	6.00	152	28	.17	.25	55/56

## Construction

Tube: Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

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

## Fittings

55 Series – pg. E-12 56 Series – pg. E-36  
 57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Black

## Notes

Perforated cover

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



# 540P – Specialty Water Hose



## Features

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

## Certifications

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

## Applications/Markets



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

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.	
#												
540P-4	1/4	6	.50	13	2,750	19.0	1.25	32	28	.05	.08	55/56
540P-6	3/8	10	.65	17	2,250	15.5	2.00	51	28	.09	.13	55/56
540P-8	1/2	13	.81	21	2,000	13.8	3.00	76	28	.13	.19	55/56
540P-12	3/4	19	1.05	27	1,250	8.6	5.00	127	28	.19	.28	55/56

## Construction

Tube: Polyethylene  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:

-40°F to +150°F (-40°C to +66°C)

Change in length at Max. Working Pressure: ±2%

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

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Aqua

## Notes

Perforated cover

# 55LT – Low Temperature Hose



## Features

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

## Certifications

- Meets/Exceeds SAE 100R7

## Applications/Markets



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

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	
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	55/56
55LT-4	1/4	6	.51	13	3,000	20.7	1.25	32	28	.07	.10	55/56
55LT-5	5/16	8	.57	14	2,500	17.2	1.75	44	28	.09	.13	55/56
55LT-6	3/8	10	.66	17	2,250	15.5	2.00	51	28	.10	.14	55/56
55LT-8	1/2	13	.81	21	2,500	17.2	3.00	76	28	.14	.21	55/56
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 length at Max. Working Pressure: ±2%

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

## Fittings

55 Series – pg. E-12 56 Series – pg. E-36

57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

## Notes

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)



# 56DH/568DH – Diagnostic Hose



## Features

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

## Certifications

- MSHA Accepted for -2 only

## Applications/Markets



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

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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

CY Series – pg. E-101  
 SF Series – pg. E-105  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Black
- Orange (Non-Conductive)

## Notes

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

# 569 High Pressure Hydraulic Hose



## Features

- 10,000 psi working pressure
- Lightweight aramid fiber construction
- (20-45% lighter than comparable hoses)
- Bonded construction available
- Compact O.D. for improved routing and handling
- Excellent kink resistance

## Certifications

- IJ-100 Requirements

## Applications/Markets



- Hydraulic tools
- High pressure hydraulics
- High pressure pumps
- Jacking systems
- Emerging markets (Oil & Gas)

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight	
	inch	mm	inch	mm	psi@73°F	MPa@23°F	inch	mm	lbs./ft.	kg./m.
569-4	1/4	6	.54	14	10,000	69.0	2	51	.08	.122

## Construction

Tube: Nylon  
 Reinforcement: Aramid fiber  
 Cover: Polyurethane

## Operating Parameters

Temperature Range:  
 -40°F to +176°F (-40°C to +80°C)  
 Vacuum Rating: 28 inch Hg  
 Change in length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12  
 Connection configurations limited to:

- Male Taper Pipe Rigid Straight (10158-4-4, 10158-6-4)
- Metric Swivel Female DIN 20078 Light Series Straight (1C358-8-4)

## Fittings (cont.)

- Seal-Lok (O-ring Face Seal) Female Swivel Straight (1JS58-4-4)
- Seal-Lok (O-ring Face Seal) Female Swivel Short Straight (1JC58-4-4)
- Male Straight Thread with O-ring (O-ring Boss) Straight (10558-4-4)

## Colors

- Blue

## Notes

Not to be used for pneumatic or gaseous service  
 Not to be used with chlorinated solvents  
 Factory built assembly only or assembled by Parker certified assembler  
 Assemblies require bend restrictors (HG569-4) to reduce the risk of exceeding the minimum hose bending radius at the fitting  
 Warning tag (569-4-TAG) required for all assemblies  
 Non-perforated cover

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		inch	lbs./ft.	
#												
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 length at Max. Working Pressure: ±2%

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

## Fittings

LV Series – pg. E-124

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource).

Access instructions are on pg. G-13

## 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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 58H Series – pg. E-61  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Black

## Notes

Non-perforated cover

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



Hose A  
 Tubing B  
 Coiled Air Hose & Fittings C  
 Transportation D  
 Fittings E  
 Tooling, Equipment & Accessories F  
 General Technical G



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



## Features

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

## Certifications

- Meets/Exceeds SAE 100R8 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
#	#	⊙		⊙		↗		↘		U	lbs	kg	⊗
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	56/58
580N-10	588N-10	5/8	16	.98	25	2,750	19.0	6.00	152	28	.21	.31	56/58
580N-12	588N-12	3/4	19	1.15	29	2,250	15.5	8.00	203	28	.23	.35	56/58
580N-16	588N-16	1	25	1.47	37	2,000	13.8	10.00	254	28	.38	.56	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 length at Max. Working Pressure: ±2%  
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

58 Series – pg. E-12      56 Series – pg. E-36  
58H Series – pg. E-61

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## 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	55/56	82**
83FR-6	3/8	10	.60	15	300	2.1	2.00	51	28	.08	.11	55/56	82**
83FR-8	1/2	13	.76	19	300	2.1	2.50	64	28	.12	.17	55/56	82**
83FR-12	3/4	19	1.04	26	300	2.1	3.50	89	28	.19	.28	55/56	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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36  
 82 Series – (\*\*82 Series Fittings available from Parker Hose Products Division)  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## 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  
 For -4 hose with 56 series fitting, use die P04J  
 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		lbs./ft.	kg./mtr.	
#												
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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## 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 pg. F-18

# 1035HT – High Temperature Power Cleaning



## Features

- Non-marring
- Broad temperature range

## 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		lbs./ft.	kg./mtr.	
#												
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	55/56
1035HT-6	3/8	10	.65	17	1,500	10.3	2.00	51	28	.09	.13	55/56

## Construction

Tube: Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

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

## Fittings

55 Series – pg. E-12    56 Series – pg. E-36  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## 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-18

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	55/56	-
B904	1/4	6	.46	12	250	1.7	1.50	38	.05	.07	28	55/56	82*
B905	5/16	8	.55	14	250	1.7	2.00	51	.08	.12	28	55/56	-
B906	3/8	10	.64	16	250	1.7	3.00	76	.09	.13	28	55/56	82*
B908	1/2	13	.78	20	250	1.7	3.00	76	.13	.19	28	55/56	82*
B910	5/8	16	.93	24	250	1.7	4.00	102	.20	.30	28	55/56/HY***	82*

## Construction

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

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## 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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Colors

- Red
- Black (BK)

## Fittings

55 Series - pg. E-12      56 Series - pg. E-36  
 82 Series - (\*82 Series Fittings available from Parker Hose Products Division)  
 HY Series - pg. E-107 (\*\*HY Fittings available from Parker Hose Products Division)

## 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



# CNG – Electrically Conductive Compressed Natural Gas Hose



## Features

- Twin constructions available

## Certifications

Conforms to:

- NFPA 52
- ANSI/IAS NGV 4.2
- ECE R110 - Sizes -3 and -8 only for assemblies purchased through Parker Polyflex (Europe)
- CSA12.52

## Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		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	.05	.07
5CNG-4	1/4	6	.55	14	5,000	34.5	2.00	51	.08	.11
5CNG-6	3/8	10	.65	16	5,000	34.5	3.00	76	.09	.13
5CNG-8	1/2	13	.90	23	5,000	34.5	4.00	102	.21	.31
5CNG-12	3/4	19	1.15	29	5,000	34.5	7.50	191	.24	.36
5CNG-16	1	25	1.59	40	5,000	34.5	10.00	254	.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-61

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## 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

## Accessories

PSG - Wire spring guard

CNGG - Vinyl hose guard

Consult Parflex CAT. 4660 for CNG guard selection

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



# 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 length at Max. Working Pressure: ±3%

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

## Fittings

BU Series – pg. E-100

CY Series – pg. E-101

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## 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-18

\*HLB-2 - Guard P.N. CY02-652317

\*\*HLB-3 - Guard P.N. 3PSG-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	inch	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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

MS Series – pg. E-125  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Black

## Notes

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

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





# PTH – Marine Power Tilt Hose



## Features

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

## Applications/Markets



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

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 length at Max. Working Pressure: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

92 Series – pg. E-85  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Clear

## Notes

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

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



## Features

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

## Certifications

- NSWMA (National Solid Waste Management Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)
- 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.	
S508N	1/2	13	.81	21	4000	28	4.00	102	.16	.24	55/56

## 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      56 Series – pg. E-36  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Green

## Notes

Factory-made assemblies only  
 Not for use in hydraulic applications  
 Perforated cover

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



A Hose  
 B Tubing  
 C Coiled Air Hose & Fittings  
 D Transportation  
 E Fittings  
 F Tooling, Equipment & Accessories  
 G General Technical

# 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 Waste Management Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)
- 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*

## Construction

Tube: Gray Copolyester, S624 – Gray Nylon

Reinforcement: Fiber

Cover: Polyurethane

## Colors

- Orange

## Notes

Factory-made assemblies only

All standard assembly lengths coupled with rigid male pipe each end

Not for use in hydraulic applications

Perforated cover - S612, S616

## 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-127

HY Series – pg. E-107 (\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

# S9 – Predator® Hose (Sewer Cleaning)



## Features

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

## Certifications

- NSWMA (National Solid Waste Management Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)
- 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-127  
 HY Series – pg. E-107 (\*HY Fittings available from Parker Hose Products Division)  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Blue

## Notes

Factory-made assemblies only  
 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.



Hose  
 A  
 Tubing  
 B  
 Coiled Air Hose & Fittings  
 C  
 Transportation  
 D  
 Fittings  
 E  
 Tooling, Equipment & Accessories  
 F  
 General Technical  
 G

# SLH – Sewer Leader Hose



## Features

- Easily identified black cover indicates termination of hose

## Certifications

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

## Applications/Markets



- Leader hose for 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: Smooth synthetic rubber

## 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-107 (\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black

## Notes

Factory-made assemblies only

Not for use in hydraulic applications

Perforated cover

# Duraflex™ Hydraulic Hose Coil



## Features

- Bonded twin-line construction
- Self retracting coil design

## Certifications

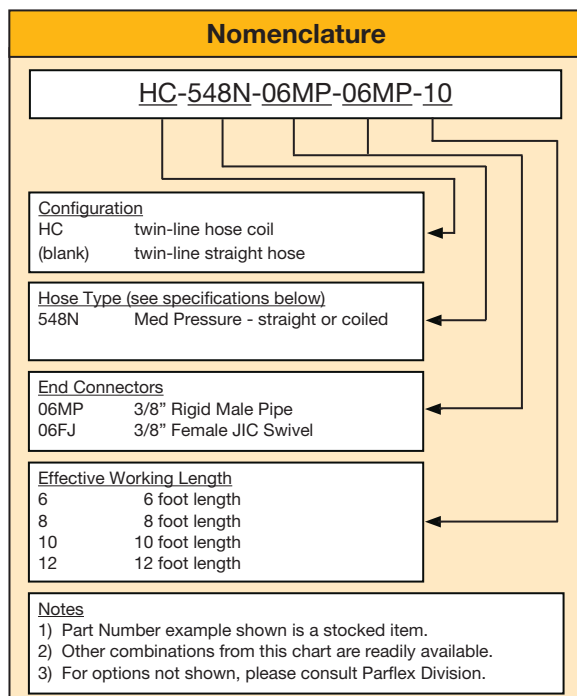
- Meets/Exceeds SAE 100R7
- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

## 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	55/56



## Construction

Tube: Nylon  
 Reinforcement: Fiber  
 Cover: Polyurethane

## Operating Parameters

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

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Orange (Non-Conductive)

## Notes

Non-perforated cover

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



A Hose  
 B Tubing  
 C Coiled Air Hose & Fittings  
 D Transportation  
 E Fittings  
 F Tooling, Equipment & Accessories  
 G General Technical