Thermoplastic Hose

General Hydraulic Hose
PTFE Hose
Duraflex™ Hydraulic Hose Coil
Diagnostic Hose
Water Jetting/Lateral Cleaning
Sewer Cleaning
Table of Contents

General Information................................................................................................................ B3
Thermoplastic Hose.................................................................................................................. B4
Hydraulic and Pneumatic Hose Selection............................................................................... B8
Hydraulic and Pneumatic Hose PSI (MPa)............................................................................. B8
Specialty Hoses PSI (MPa).................................................................................................... B8
“How to Order” Information................................................................................................. 11, 12
Chemical Compatibility Guide............................................................................................... O10, www.parker.com

Visual Index

Thermoplastic Hose: Visual Index

Thermoplastic Hose: Visual Index

General Hydraulic Hoses

- 510C General Hydraulic Hose page B4
- 518C Non-Conductive Hose page B4
- HLB Lubrication Line Hose page B5
- 540N General Hydraulic Hose page B5

Hydraulic and Pneumatic Hoses

- D6R Hybrid Hose, Constant Pressure page B5
- 560 General Hydraulic Hose page B5
- 590 General Hydraulic Hose page B6
- 919 PTFE Hose page B6

Duraflex™ Hydraulic Hose Coil

- HC-548N Duraflex™ Hydraulic Hose Coil page B6

Diagnostic Hose

- 56DH Diagnostic Hose page B6
- 568DH Non-Conductive Diagnostic Hose page B6

Water Jetting / Lateral Cleaning

- SSN Predator® Hose page B7

Sewer Cleaning

- S6 Predator® Hose page B7
- S9 Predator® Hose page B7

Contact your authorized Parker Fleet Distributor for ordering, catalogs and further information or visit www.parker.com for detailed information.
General Information

Non-Standard Parts

Non-standards are not typically stocked.

Minimum buys, runs, costs, lead times, and pricing will be quoted.

Overruns or excess inventories may exist – in-stock pricing will be quoted.

In-stock pricing levels are sensitive to products available and are subject to prior sale.

Delivery or lead times quoted begin A. R. O (after receipt of order).

Thermoplastic Hoses

Specialty Core Capability – Parflex offers many unique specialty hoses such as electrically non-conductive, breathing air, and CNG hoses to name just a few. Let us design and build a solution for you.

Superior Abrasion Resistance – Urethane and nylon style covers provide the industry’s highest level of abrasion resistance today. They can outlast standard rubber hoses in lab tests by up to 10:1.

Long Continuous Lengths – Long length hoses reduce the number of short unusable hose lengths. In addition, longer lengths mean reduced leak points and cost savings.

Clean Core Tubes – Unlike rubber core tubes, thermoplastic core tubes are clean when cut and greatly reduce the chance of contamination in today’s state-of-the-art hydraulic systems.

Wide Chemical Range – Thermoplastic hoses offer a superior range of chemical resistance. Tough outer covers also resist degradation by UV rays, water and harsh wash down chemicals.

Lightweight by Design – Lightweight designed equipment is routinely being requested by leading manufacturers today. Thermoplastic hoses are considerably lighter than rubber hoses (e.g. 100R8 hose can weigh up to 40% less than a comparable rubber hose).

Smaller OD – Compact designs allow tighter bend radius characteristics and work well in small enveloped areas.

Easy Routing – Smooth outer covers offer ease in routing multiple hoses in tight or confined areas such as booms, lifts, and tracks.

Lower Volumetric Expansion – This means less energy loss and faster reaction time in hydraulic circuits.

UV Resistant – Parflex thermoplastic hose jackets are UV stabilized for optimal weather resistance.

Long Shelf Life – Thermoplastic hoses do not continuously cure, and won’t degrade when stored under proper conditions.

Easy To Cut – Fabric reinforced hoses do not require high power saws to be cut. Simple hand or blade cutters can be used.

Crimpable, Swageable, Field Attachable – Some Parflex thermoplastic hoses can be assembled utilizing any of these three methods of fastening for added convenience.

Bonded Components – Some Parflex thermoplastic hoses can be bonded together from 2 to 10 hoses, in multiple sizes and products. Similar cover materials must always be used in the bonding process.

Coiled/Retractable Capability – Many Parflex thermoplastic hoses can be coiled for retractable capability for easy, compact storage.

Bundling – Parflex offers the ability to bundle hose and tubing in a variety of combinations.

Custom Printed Lines – Custom printed lines build brand identity and differentiate products for end users. Simple ink jetting provides a cost effective way to provide crisp clean text, or in some cases, logos.

Colors – Parflex thermoplastic hoses can be manufactured in almost any conceivable color. Colors can offer brand identity, color coding and traceability.

Hybrid Hoses

Patented Manufacturing Process – Robust design and materials minimize in-service problems and maximize service life.

Elastomeric Tube – Provides a clean tube excellent for fluid/chemical compatibility and minimizes the need for expensive cleaning of hose assemblies.

Wire Braided Reinforcement – Wire braids increase pressure ratings, create tight bend radii – excellent cut through resistance.

Synthetic Rubber Cover – Hybrid hoses have a smooth cover that looks like traditional hydraulic hose. Additionally, these hoses complement the look of OEM equipment.

Smaller OD – Compact designs allow tighter bend radius characteristics and work well in small enveloped areas.

Long Lengths – Long length hybrid hoses reduce the number of short unusable hose lengths. In addition, longer lengths mean reduced leak points and cost savings.

2-Braid Construction – The 2-braid hybrid hose construction takes the place of traditional 4-spiral wire hose and offers a slimmer profile, lighter weight, and longer lengths.

Widely Accepted – Proven performance over many years.

Material Types

The Part # column for hydraulic fittings indicates material type. Where applicable, “B” indicates Brass and “C” indicates Stainless Steel. See “How To Order” on page 8 for more information.

Working Pressures

WITH NOTED EXCEPTIONS, Parflex hoses are engineered and manufactured to a 4:1 burst pressure to working pressure ratio that follows SAE design standards. Never operate a hose beyond its published working pressure.

(Working Pressure x 4 = Minimum Burst)
Thermoplastic Hose

510C
General Hydraulic Hose
Meets or Exceeds SAE 100R7 except -2, MSHA Accepted except -4

Application/Markets: Medium pressure service for both field attachable and permanent fittings
Tube: Copolyester
Reinforcement: Fiber
Cover: Proprietary blend (PFX)
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: 4x Max. Working Pressure at 73°F (23°C)
Fittings: 51 Series, 56 Series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>inch mm</td>
<td>inch mm</td>
<td>psi MPa</td>
<td></td>
<td></td>
</tr>
<tr>
<td>510C-2</td>
<td>1/8 3</td>
<td>.34 9</td>
<td>2,500 17.2</td>
<td>0.50 13</td>
<td></td>
</tr>
<tr>
<td>510C-3*</td>
<td>3/16 5</td>
<td>.43 11</td>
<td>3,250 22.4</td>
<td>0.75 19</td>
<td></td>
</tr>
<tr>
<td>510C-4*</td>
<td>1/4 6</td>
<td>.47 12</td>
<td>3,000 20.7</td>
<td>1.50 38</td>
<td></td>
</tr>
<tr>
<td>510C-5</td>
<td>5/16 8</td>
<td>.57 14</td>
<td>2,500 17.2</td>
<td>1.75 44</td>
<td></td>
</tr>
<tr>
<td>510C-6</td>
<td>3/8 10</td>
<td>.64 16</td>
<td>2,250 15.5</td>
<td>2.00 51</td>
<td></td>
</tr>
<tr>
<td>510C-8</td>
<td>1/2 13</td>
<td>.81 21</td>
<td>2,250 15.5</td>
<td>3.00 76</td>
<td></td>
</tr>
<tr>
<td>510C-12</td>
<td>3/4 19</td>
<td>1.09 28</td>
<td>1,250 8.6</td>
<td>5.00 127</td>
<td></td>
</tr>
<tr>
<td>510C-16</td>
<td>1 25</td>
<td>1.32 34</td>
<td>1,000 6.9</td>
<td>8.00 203</td>
<td></td>
</tr>
</tbody>
</table>

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

518C
Non-Conductive Hose
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
Tube: Copolyester
Reinforcement: Fiber
Cover: Proprietary blend (PFX)
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
SAE requires 4:1 Design Factor
Fittings: 51 Series, 56 Series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>inch mm</td>
<td>inch mm</td>
<td>psi MPa</td>
<td></td>
<td></td>
</tr>
<tr>
<td>518C-2</td>
<td>1/8 3</td>
<td>.34 9</td>
<td>3,150 21.7</td>
<td>2,500 17.2 0.50 13</td>
<td></td>
</tr>
<tr>
<td>518C-3*</td>
<td>3/16 5</td>
<td>.43 11</td>
<td>3,250 22.4</td>
<td>3,250 20.7 0.75 19</td>
<td></td>
</tr>
<tr>
<td>518C-4*</td>
<td>1/4 6</td>
<td>.47 12</td>
<td>3,150 21.7</td>
<td>3,000 19.0 1.50 38</td>
<td></td>
</tr>
<tr>
<td>518C-5</td>
<td>5/16 8</td>
<td>.57 14</td>
<td>3,150 21.7</td>
<td>2,500 17.2 1.75 44</td>
<td></td>
</tr>
<tr>
<td>518C-6</td>
<td>3/8 10</td>
<td>.64 16</td>
<td>3,000 20.7</td>
<td>2,250 15.5 2.00 51</td>
<td></td>
</tr>
<tr>
<td>518C-8</td>
<td>1/2 13</td>
<td>.81 21</td>
<td>3,000 20.7</td>
<td>2,250 15.5 3.00 76</td>
<td></td>
</tr>
<tr>
<td>518C-12</td>
<td>3/4 19</td>
<td>1.09 28</td>
<td>1,660 11.5</td>
<td>1,250 8.6 5.00 127</td>
<td></td>
</tr>
<tr>
<td>518C-16</td>
<td>1 25</td>
<td>1.32 34</td>
<td>1,330 9.2</td>
<td>1,000 6.9 8.00 203</td>
<td></td>
</tr>
</tbody>
</table>

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

- 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
- Dimensions and pressures are for reference only and are subject to change.
HLB
Lubrication Line Hose
MSHA accepted

Application/Markets: Grease and lubrication lines; agriculture; construction; industrial; material handling; mobile equipment; transportation

Construction: Copolyester

Reinforcement: Fiber

Cover: Polyurethane

Temperature Range:

-40°F to +212°F (-40°C to +100°C) with CY fittings (Limited to +190°F (+88°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: 4x Max Working Pressure @ +73°F (+23°C)

Fittings: CY Series

---

D6R
Hybrid Hose
ISO 11237 Type R17; Exceeds SAE 100R17; MSHA Accepted

Applications/Markets: General hydraulic applications, lubricating oils, construction equipment, agriculture equipment, transportation

Tube: Copolyester

Reinforcement: Two braids of high tensile steel wire

Cover: Smooth synthetic rubber

Temperature Range:

-40°F to +250°F (-40°C to +121°C) for petroleum base hydraulic fluids and lubricating oils

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

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

Change in length at working pressure: ±2% to -4%

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

Fittings: 56 Series

---

540N
General Hydraulic Hose
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

Tube: Nylon

Reinforcement: Fiber

Cover: Polyurethane

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

Change in working length @ Rated WPSI: ±2%

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

Fittings: 56 Series

---

560
General Hydraulic Hose
Meets or Exceeds SAE 100R1; MSHA Accepted; ABS Approved

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

Tube: Copolyester

Reinforcement: High tensile steel wire braid

Cover: Polyurethane

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: 4x Max. Working Pressure at +73°F (+23°C)

Fittings: 56 Series

---

Note:

Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

Dimensions and pressures are for reference only and are subject to change.
**590**

**General Hydraulic Hose**
Meets or 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 and agriculture equipment

**Tube:** Copolyester

**Reinforcement:** Aramid fiber, high tensile wire braid

**Cover:** Polyurethane

**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:** 4x Max. Working Pressure at +73°F (+23°C)

**Fittings:** [56 Series](#)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>590-3</td>
<td>3/16</td>
<td>0.44</td>
<td>5,000 34.5</td>
<td>1.50 38</td>
</tr>
<tr>
<td>590-4</td>
<td>1/4</td>
<td>0.53</td>
<td>5,000 34.5</td>
<td>1.75 44</td>
</tr>
<tr>
<td>590-6</td>
<td>3/8</td>
<td>0.65</td>
<td>4,000 27.6</td>
<td>2.25 57</td>
</tr>
<tr>
<td>590-8</td>
<td>1/2</td>
<td>0.78</td>
<td>3,500 24.1</td>
<td>3.25 82</td>
</tr>
<tr>
<td>590-10</td>
<td>5/8</td>
<td>0.98</td>
<td>3,000 20.7</td>
<td>6.00 152</td>
</tr>
<tr>
<td>590-12</td>
<td>3/4</td>
<td>1.11</td>
<td>2,500 17.2</td>
<td>7.00 178</td>
</tr>
<tr>
<td>590-16</td>
<td>1</td>
<td>1.43</td>
<td>2,000 13.8</td>
<td>8.00 203</td>
</tr>
</tbody>
</table>

Non-perforated cover

**56DH / 568DH**

**Diagnostic Hose**
MSHA Accepted for -2 only

**Applications/Markets:** Hydraulic and pneumatic systems where a small OD hose is necessary; diagnostic hydraulic lines

**Tube:** Nylon

**Reinforcement:** Aramid fiber

**Cover:** Polyurethane

**Temperature Range:** -40°F to +200°F (-40°C to +100°C)

**Change in working length @ Rated WPSI:** ±2%

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

**Fittings:** CY Series, SF Series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>548N-6</td>
<td>3/8</td>
<td>0.65</td>
<td>2,250 15.5</td>
<td>2.00 51</td>
</tr>
</tbody>
</table>

Non-perforated cover

Non-perforated cover - 56DH

**HC-548N**

**Duraflex™ Hydraulic Hose Coil**
Meets or Exceeds SAE100R7

**Applications/Markets:** Hydraulic tool hose for aerial lift applications; general hydraulics

**Tube:** Nylon

**Reinforcement:** Fiber

**Cover:** Polyurethane

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

**Change in length @ Rated WPSI:** ±2%

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

**Fittings:** 51 Series, 56 Series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>548N-6</td>
<td>3/8</td>
<td>0.65</td>
<td>2,250 15.5</td>
<td>2.00 51</td>
</tr>
</tbody>
</table>

Non-perforated cover

Non-perforated cover - 56DH

**919**

**PTFE Hose**
Meets or Exceeds SAE 100R14A;  
FDA CFR 177.1550

**Applications/Markets:** Chemical transfer lines; general hydraulics; compressed air; gases; adhesive dispensing; coolant lines; medical gases

**Tube:** 919 — Natural FDA Compliant PTFE

**Reinforcement:** 304 Stainless Steel braid

**Temperature Range:** -100°F to +450°F (-73°C to +232°C)

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

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

**Fittings:** [90 Series](#), [91N Series](#)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>919-3</td>
<td>1/8</td>
<td>0.25</td>
<td>3,000 20.7</td>
<td>1.50 38</td>
</tr>
<tr>
<td>919-4</td>
<td>3/16</td>
<td>0.32</td>
<td>3,000 20.7</td>
<td>2.00 51</td>
</tr>
<tr>
<td>919-5</td>
<td>1/4</td>
<td>0.38</td>
<td>3,000 20.7</td>
<td>3.00 76</td>
</tr>
<tr>
<td>919-6</td>
<td>5/16</td>
<td>0.44</td>
<td>2,500 17.2</td>
<td>4.00 102</td>
</tr>
<tr>
<td>919-8</td>
<td>13/32</td>
<td>0.53</td>
<td>2,000 13.8</td>
<td>5.00 127</td>
</tr>
<tr>
<td>919-10</td>
<td>1/2</td>
<td>0.63</td>
<td>1,500 10.3</td>
<td>6.50 165</td>
</tr>
<tr>
<td>919-12</td>
<td>5/8</td>
<td>0.75</td>
<td>1,200 8.3</td>
<td>7.50 191</td>
</tr>
<tr>
<td>919-16</td>
<td>7/8</td>
<td>1.03</td>
<td>1,000 6.9</td>
<td>9.00 229</td>
</tr>
<tr>
<td>919-20</td>
<td>1-1/8</td>
<td>1.28</td>
<td>625 4.3</td>
<td>16.00 406</td>
</tr>
</tbody>
</table>

**919**

**56DH**/**568DH**

**Diagnostic Hose**
MSHA Accepted for -2 only

**Applications/Markets:** Hydraulic and pneumatic systems where a small OD hose is necessary; diagnostic hydraulic lines

**Tube:** Nylon

**Reinforcement:** Aramid fiber

**Cover:** Polyurethane

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

**Change in working length @ Rated WPSI:** ±2%

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

**Fittings:** CY Series, SF Series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>56DH-1.5</td>
<td>0.09</td>
<td>0.20</td>
<td>6,000 41.4</td>
<td>0.25 6</td>
</tr>
<tr>
<td>56DH-2</td>
<td>0.14</td>
<td>0.32</td>
<td>8,000 41.4</td>
<td>0.50 13</td>
</tr>
</tbody>
</table>

Perforated cover - 56DH

Non-perforated cover - 568DH

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

Dimensions and pressures are for reference only and are subject to change.
S5N
Predator® Hose (Water Jetting/Lateral Cleaning)
NSWMA; WASTEC; WEM1

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.

Tube: Gray copolyester
Reinforcement: Aramid Fiber
Cover: Polyurethane

Temperature Range: -40°F to +135°F for water (-40°C to +57°C)
Min. Burst Pressure: 4X Max. Working Pressure at +73°F (+23°C)
Fittings: 56 Series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>S508N</td>
<td>1/2</td>
<td>13.81</td>
<td>21 21</td>
<td>4,000</td>
</tr>
</tbody>
</table>

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

S6
Predator® Hose (Sewer Cleaning)
NSWMA; WASTEC; WEM1

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.

Tube: Gray copolyester, S624 – gray nylon
Reinforcement: Fiber
Cover: Polyurethane

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>S612</td>
<td>1/2</td>
<td>1.14</td>
<td>29 29</td>
<td>2,500</td>
</tr>
<tr>
<td>S616</td>
<td>1</td>
<td>1.41</td>
<td>36 36</td>
<td>2,500</td>
</tr>
<tr>
<td>S620</td>
<td>1-1/4</td>
<td>1.78</td>
<td>45 45</td>
<td>2,500</td>
</tr>
<tr>
<td>S624</td>
<td>1-1/2</td>
<td>2.11</td>
<td>54 54</td>
<td>2,500</td>
</tr>
</tbody>
</table>

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)
NSWMA; WASTEC; WEM1

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.

Tube: Gray copolyester
Reinforcement: Aramid Fiber
Cover: Polyurethane

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID</th>
<th>Maximum OD</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>S912</td>
<td>3/4</td>
<td>1.15</td>
<td>29 29</td>
<td>3,000</td>
</tr>
<tr>
<td>S916</td>
<td>1</td>
<td>1.47</td>
<td>37 37</td>
<td>3,000</td>
</tr>
</tbody>
</table>

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

- Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)
- Dimensions and pressures are for reference only and are subject to change.
## Hydraulic and Pneumatic Hose Selection

<table>
<thead>
<tr>
<th>Hose</th>
<th>General Description</th>
<th>SAE Perf. or Equiv.</th>
<th>Core Tube</th>
<th>Reinforcement</th>
<th>Cover</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>D6R</td>
<td>Constant Pressure Hybrid</td>
<td>100R17</td>
<td>P</td>
<td>Wire Braid</td>
<td>R</td>
<td>B5</td>
</tr>
<tr>
<td>560</td>
<td>General Hydraulic</td>
<td>100R1</td>
<td>P</td>
<td>Wire Braid</td>
<td>U</td>
<td>B5</td>
</tr>
<tr>
<td>590</td>
<td>General Hydraulic</td>
<td>100R2/100R16</td>
<td>P</td>
<td>Fiber/Wire Braid</td>
<td>U</td>
<td>B6</td>
</tr>
<tr>
<td>510C</td>
<td>General Hydraulic</td>
<td>100R7</td>
<td>P</td>
<td>Fiber</td>
<td>PFX</td>
<td>B4</td>
</tr>
<tr>
<td>518C</td>
<td>Non-conductive Hydraulic</td>
<td>100R7</td>
<td>P</td>
<td>Fiber</td>
<td>PFX</td>
<td>B4</td>
</tr>
<tr>
<td>540N</td>
<td>General Hydraulic</td>
<td>100R7</td>
<td>N</td>
<td>Fiber</td>
<td>U</td>
<td>B5</td>
</tr>
</tbody>
</table>

Use the chart above to quickly locate hoses based upon SAE/ DIN specifications, equivalents or specialty categories listed. Use the chart below for a comparison of hose sizes and pressure ratings.

### Hydraulic and Pneumatic Hose PSI (MPa)

<table>
<thead>
<tr>
<th>Fractional Size</th>
<th>1/8</th>
<th>3/16</th>
<th>1/4</th>
<th>5/16</th>
<th>3/8</th>
<th>1/2</th>
<th>5/8</th>
<th>3/4</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dash Size</td>
<td>-2</td>
<td>-3</td>
<td>-4</td>
<td>-5</td>
<td>-6</td>
<td>-8</td>
<td>-10</td>
<td>-12</td>
<td>-16</td>
</tr>
<tr>
<td>D6</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
</tr>
<tr>
<td>560</td>
<td>3500 (23.4)</td>
<td>3250 (22.3)</td>
<td>3000 (20.7)</td>
<td>2750 (19.0)</td>
<td>2500 (17.3)</td>
<td>2000 (13.8)</td>
<td>1750 (12.1)</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>590</td>
<td>5000 (34.5)</td>
<td>5000 (34.5)</td>
<td>-</td>
<td>4000 (27.6)</td>
<td>3500 (24.2)</td>
<td>3000 (20.7)</td>
<td>2250 (15.7)</td>
<td>2000 (13.8)</td>
<td>1000 (6.9)</td>
</tr>
<tr>
<td>510C</td>
<td>2500 (17.3)</td>
<td>2500 (17.3)</td>
<td>2500 (15.5)</td>
<td>2250 (15.5)</td>
<td>1500 (10.4)</td>
<td>1250 (8.6)</td>
<td>1000 (6.9)</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>518C</td>
<td>2500 (17.3)</td>
<td>2500 (17.3)</td>
<td>2500 (15.5)</td>
<td>2250 (15.5)</td>
<td>1500 (10.4)</td>
<td>1250 (8.6)</td>
<td>1000 (6.9)</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>540N</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
<td>2750 (19.0)</td>
<td>2500 (17.3)</td>
<td>2250 (15.5)</td>
<td>2000 (13.8)</td>
<td>-</td>
<td>1250 (8.6)</td>
<td>-</td>
</tr>
</tbody>
</table>

### Specialty Hoses PSI (MPa)

<table>
<thead>
<tr>
<th>Fractional Size</th>
<th>3/32</th>
<th>1/8</th>
<th>3/16</th>
<th>1/4</th>
<th>5/16</th>
<th>3/8</th>
<th>1/2</th>
<th>5/8</th>
<th>3/4</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dash Size</td>
<td>-1.5</td>
<td>-2</td>
<td>-3</td>
<td>-4</td>
<td>-5</td>
<td>-6</td>
<td>-8</td>
<td>-10</td>
<td>-12</td>
<td>-16</td>
</tr>
<tr>
<td>HC-548N</td>
<td>2250 (15.5)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>56DH</td>
<td>6000 (41.4)</td>
<td>6000 (41.4)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>568DH</td>
<td>6000 (41.4)</td>
<td>6000 (41.4)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>55N</td>
<td>4000 (28.0)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>S6</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2500 (17.3)</td>
<td>2500 (17.3)</td>
</tr>
<tr>
<td>S9</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3000 (20.7)</td>
<td>3000 (20.7)</td>
</tr>
</tbody>
</table>

Dash Size: -1.5 -2 -3 -4 -5 -6 -8 -10 -12 -16

Dimensions and pressures are for reference only and are subject to change.