

Parflex Thermoplastic Hoses

Parflex Thermoplastic Hose Assembly Nomenclature



| F | Prefix |
|---|-----------------------------------|
| F | Parkrimp (i.e. 55 series) |
| A | Factory Crimp (i.e. 54 series) |
| R | Field Attachable (i.e. 51 series) |

| 540N | Hose | |
|------|--------|--------|
| | D6/D6R | 53DM |
| | H6 | 540N |
| | R6 | 540P |
| | HFS | 55LT |
| | HFS2 | 56DH |
| | M8 | 575X |
| | HTB | 580N |
| | HJK | H580N |
| | 560 | 588N |
| | 563 | 1035A |
| | 590 | 1035HT |
| | 593 | 83FR |
| | 510A | B9 |
| | 510C | 5CNG |
| | 518C | HLB |
| | 515H | MSH |
| | 520N | PTH |
| | 528N | SLH |
| | 526BA | |
| | 527BA | |

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

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

| 12 | Connection Size 1 | | |
|----|-------------------|---|-------|
| | -2 | 1 | 1/8 |
| | -3 | 1 | 3/16 |
| | -4 | 1 | 1/4 |
| | -5 | 1 | 5/16 |
| | -6 | 1 | 3/8 |
| | -8 | 1 | 1/2 |
| | -10 | 1 | 5/8 |
| | -12 | 1 | 3/4 |
| | -16 | 1 | 1 |
| | -20 | 1 | 1-1/4 |

| 12 | Connection Size 2 | | |
|----|-------------------|---|-------|
| | -2 | 2 | 1/8 |
| | -3 | 2 | 3/16 |
| | -4 | 2 | 1/4 |
| | -5 | 2 | 5/16 |
| | -6 | 2 | 3/8 |
| | -8 | 2 | 1/2 |
| | -10 | 2 | 5/8 |
| | -12 | 2 | 3/4 |
| | -16 | 2 | 1 |
| | -20 | 2 | 1-1/4 |

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

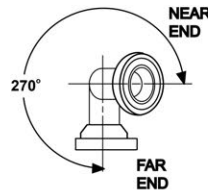
| C | Fitting Material |
|---|-----------------------------------|
| | ** No Material Designation, Steel |
| | C = Stainless Steel |
| | B = Brass |

| 52 | Overall Length |
|----|---------------------|
| | Expressed in inches |

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

| ## | Displacement Angle |
|----|--|
| | Specified only if two elbow fittings are used to construct hose assembly.* |

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



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
 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 |
| D6R12 | 3/4 | 19 | 1.15 | 29 | 3,000 | 21.0 | 4.5 | 114 | 0.70 | 1.04 | 56 |
| D6R16 | 1 | 25 | 1.44 | 37 | 3,000 | 21.0 | 5.5 | 140 | 0.94 | 1.39 | 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

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



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

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
 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
 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



HFS2 – Fire-Screen II® Hybrid Hose



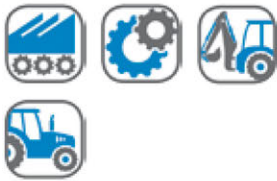
Features

- 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

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

Access instructions are on pg. G-13

Colors

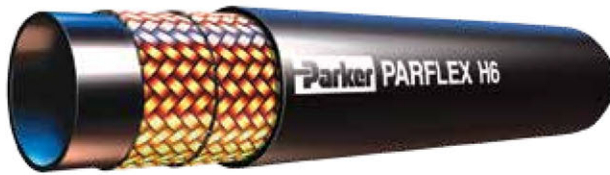
- Black

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

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd



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
 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

Access instructions are on pg. G-13

Colors

- Black

Notes

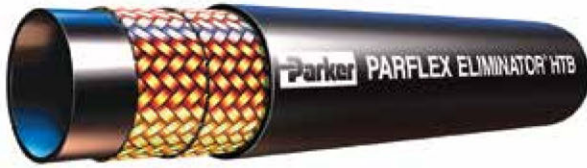
*Two wire braid

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

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd



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 | | inch | lbs./ft. | |
| # | | | | | | | | | | | | |
| 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

Access instructions are on pg. G-13

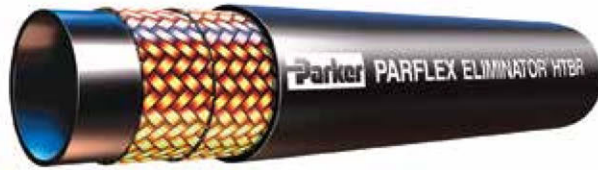
Colors

- 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

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



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

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



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 | 55/56 |
| 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

Access instructions are on pg. G-13

Colors

- Black

Notes

Non-perforated cover

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

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



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 | | 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
 Access instructions are on pg. G-13

Colors

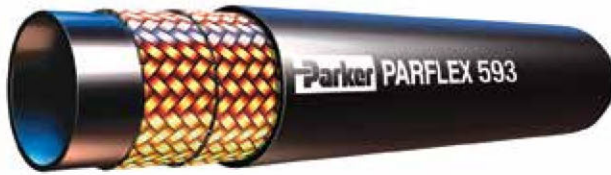
- Black

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 | | inch | lbs./ft. | |
| # | | | | | | | | | | | | |
| 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: 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

Access instructions are on pg. G-13

Colors

- Black

Notes

Non-perforated cover



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

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. | | |
| # | | | | | | | | | | | | | |
| | inch | mm | inch | mm | psi | MPa | inch | mm | inch | 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
 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



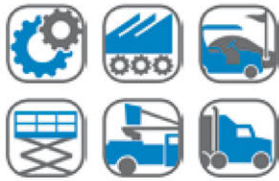
Features

- 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 | inch | lbs./ft. | | |
| 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
 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



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
 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
 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 |
|-------------|----------------|--------------|----|--------------|----|--------------------------|------|---------------------|-----|----------------------|----------|----------|--------------------------|
| # | # | ⊙ | | ⊙ | | ↗ | | ↘ | | U | lbs | kg | ⊗ |
| Natural | Non-Conductive | inch | mm | inch | mm | psi | MPa | inch | mm | inch | lbs./ft. | kg./mtr. | |
| 520N-3 | 528N-3 | 3/16 | 5 | .43 | 11 | 5,000 | 34.5 | 1.50 | 38 | 28 | .05 | .07 | 55/56 |
| 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
 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 | | lbs./ft. | kg./mtr. | |
| # | | | | | | | | | | | | |
| 526BA-3 | 3/16 | 5 | .42 | 11 | 6,000 | 41.4 | 1.50 | 38 | 28 | .05 | .07 | 55 |
| 526BA-4 | 1/4 | 6 | .50 | 13 | 6,000 | 41.4 | 2.00 | 51 | 28 | .07 | .10 | 55 |
| 526BA-6 | 3/8 | 10 | .64 | 16 | 6,000 | 41.4 | 3.00 | 76 | 28 | .09 | .13 | 55 |

Construction

Tube: Nylon
 Reinforcement: Aramid fiber
 Cover: Polyurethane

Colors

- Gray

Operating Parameters

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

Notes

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

Fittings

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



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
 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.



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
Access instructions are on pg. G-13

Colors

- Black
- Orange (Non-Conductive)

Notes

Do not use in over-the-sheave applications
Perforated cover - 53DM
Non-perforated cover - 538DM

540N – General Hydraulic Hose



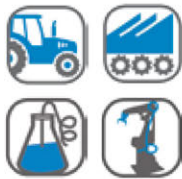
Features

- 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
 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



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
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 | | lbs./ft. | kg./mtr. | |
| # | | | | | | | | | | | | |
| | inch | mm | inch | mm | psi | MPa | inch | mm | inch | lbs./ft. | kg./mtr. | |
| 55LT-2 | 1/8 | 3 | .34 | 9 | 3,000 | 20.7 | 0.50 | 13 | 28 | .03 | .05 | 57 |
| 55LT-3 | 3/16 | 5 | .43 | 11 | 3,250 | 22.4 | 0.75 | 19 | 28 | .05 | .08 | 55/56 |
| 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 | 2,000 | 13.8 | 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

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



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

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.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd



A-51

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

Fittings

LV Series – pg. E-124
 For most Parker products, Crimp Die Selection charts can be found online at 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)
 Change in length at Max. Working Pressure: ±2%
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

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 | | inch | 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
 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



580N/H580N/588N – High Pressure Hose



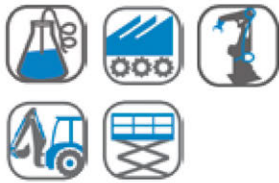
Features

- 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

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
 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.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd



A-55

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
 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 | | inch | lbs./ft. | |
| # | | | | | | | | | | | | |
| 1035HT-3 | 3/16 | 5 | .43 | 11 | 2,000 | 13.8 | 0.75 | 19 | 28 | .04 | .06 | 55 |
| 1035HT-4 | 1/4 | 6 | .50 | 13 | 1,750 | 12.1 | 1.50 | 38 | 28 | .06 | .08 | 55/56 |
| 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
 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.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd



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
 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)

Notes

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

Fittings

55 Series - pg. E-12 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)



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

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.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd



A-59

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
 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
 Access instructions are on pg. G-13

Colors

- Black

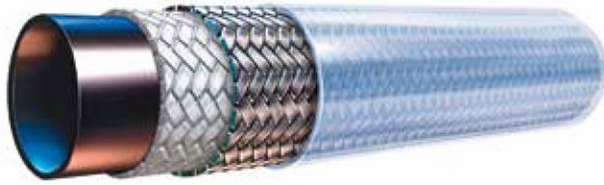
Notes

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
 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
 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.



S6 – Predator® Hose (Sewer Cleaning)



Features

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

Certifications

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

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)

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

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

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
 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.



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

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

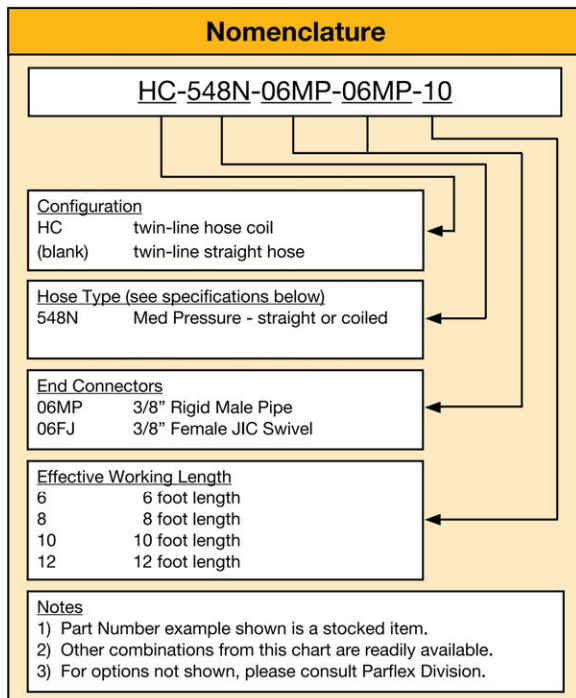
- Meets/Exceeds SAE 100R7
- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

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 | inch | 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
 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.

