Parker Industrial Hose

Catalog 4800 October 2011
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WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

- This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.
- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.
- To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Parker Safety Guide

for Selecting and Using Hose, Tubing, Fittings and Related Accessories
Parker Publication No. 4400-B.1
Revised: November, 2007

WARNING: Failure or improper selection or improper use of hose, tubing, fittings, assemblies or related accessories (“Products”) can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of these Products include but are not limited to:

- Fittings thrown off at high speed.
- High velocity fluid discharge.
- Explosion or burning of the conveyed fluid.
- Electrocution from high voltage electric powerlines.
- Contact with suddenly moving or falling objects that are controlled by the conveyed fluid.
- Injections by high-pressure fluid discharge.
- Dangerously whipping hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity buildup or other sources of electricity.
- Sparking or explosion while spraying paint or flammable liquids.
- Injuries resulting from inhalation, ingestion or exposure to fluids.

Before selecting or using any Parker hose, fittings or related accessories, it is important that you read and follow the instructions in this Industrial Hose Catalog 4800, and the Parker Safety Guide for Selecting and Using Hose, Fittings and Related Accessories, Parker Publication No. 4400-B.1, November 2007 (refer to the Safety and Technical section of this catalog). Only hose from Parker’s Stratoflex Products Division is approved for in-flight aerospace applications.

Offer of Sale

Parker Hannifin Corporation, its subsidiaries or its authorized distributors hereby offer the items described in this document for sale. The provisions in the “Offer of Sale” stated on page 455 of this catalog govern this offer and its acceptance.
## Oil Field

### Hose Selector Guide – by application

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<tr>
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<td>TITANFLEX®</td>
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**NOTE:** This is a guide only. It is the responsibility of the end user to select and/or test the most appropriate product for the application. Refer to product pages for specific data. Contact Parker for additional information.

Refer to pages 9-10 for a complete listing of industry standards.

See pages ii through iv for an index of all product series by series number and pages v through xv for an index by application and by series name.

Due to continual product improvements, Parker reserves the right to alter specifications without prior notice.
BS & W™
Oil Field Suction/Vacuum Hose
Series 7208E

Series 7208E is a flexible, lightweight suction and discharge hose designed to handle brine, crude oil, mild chemicals, petroleum waste, sediments, sludge, slurries and water in harsh oil field bottom sediment and waste pit recovery applications. The hose construction incorporates a wire helix that provides full suction capability, kink resistance, and a path to conduct static electrical charge to ground. The nitrile/SBR cover is resistant to abrasion and weathering. Series 7208E is available in 200-foot continuous lengths.

NOTE: Do not use with refined oil or fuel.

Tube: Black nitrile/SBR
Reinforcement: Multiple textile plies with wire helix
Cover: Black nitrile/SBR; wrapped finish
Temp. Range: -22°F to +185°F (-30°C to +85°C)
Brand Method: White text on blue stripe
Brand Example: PARKER SERIES 7208E BS&W™ OIL FIELD SUCTION HOSE 150 MAX PSI WP

Applications:
• Brine, crude oil, mild chemicals, petroleum waste, sediments, sludge, slurries, water
• Oil field waste recovery, general industrial

Vacuum: Full
Compare to: Jason Tupelo 4677; Kuriyama T601AA; Texcel Tex-Vac; Veyance Flextra Oilfield

### Part Number Table

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<th>Part Number</th>
<th>ID (in)</th>
<th>OD (in)</th>
<th>OD (mm)</th>
<th>OD (mm)</th>
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<th>Min Bend Rad (mm)</th>
<th>Max Rec WP (psi)</th>
<th>Max Rec WP (bar)</th>
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* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠️ WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
BS & W™
Corrugated Oil Field Suction/Vacuum Hose
Series 7213E

Series 7213E is a flexible, lightweight suction and discharge hose designed to handle brine, crude oil, mild chemicals, petroleum waste, sediments, sludge, slurries and water in harsh oil field bottom sediment and waste pit recovery applications. The corrugated hose construction incorporates a wire helix that provides full suction capability, flexibility, kink resistance, and a path to conduct a static electrical charge to ground. The nitrile/SBR cover is resistant to abrasion, oil and weathering.

NOTE: Do not use with refined oil or fuel.

**Tube:** Black nitrile/SBR

**Reinforcement:** Multiple textile plies with wire helix

**Cover:** Black nitrile/SBR; corrugated wrapped finish

**Temp. Range:** -22°F to +185°F (-30°C to +85°C)

**Brand Method:** White text on blue stripe

**Brand Example:** PARKER SERIES 7213E BS&W OIL FIELD SUCTION HOSE 150 PSI MAX WP

**Industry Standards:** None applicable

**Applications:**
- Brine, crude oil, mild chemicals, petroleum waste, sediments, sludge, slurries, water
- Oil field waste recovery, general industrial

**Vacuum:** Full

**Compare to:**
- Kuriyama T601AA; Jason Tupelo 4677; Texcel Tex-Vac; Veyance Flextra Oilfield

**Packaging:** Coils

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<tr>
<th>Part Number</th>
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<th>ID (mm)</th>
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* **Couplings:** Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

**Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

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**WARNING!** Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
TITANFLEX®
Corrugated Oil Field Suction / Vacuum Hose
Series SWC509

Series SWC509 is a flexible, lightweight high pressure suction and discharge hose designed to handle brine, crude oil, mild chemicals, petroleum waste, sediments, sludge, slurries and water in harsh oil field bottom sediment and waste pit recovery applications. The corrugated hose construction incorporates a wire helix that provides full suction capability, flexibility, kink resistance, and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion and weathering. Series SWC509 is available in 200-foot continuous lengths.

NOTE: Do not use with refined oil or fuel.

Tube: Black nitrile
Reinforcement: Multiple textile plies with dual wire helix
Cover: Black SBR; corrugated wrapped finish
Temp. Range: -40°F to +160°F (-40°C to +71°C)
Brand Method: White text on blue stripe
Brand Example: PARKER SERIES SWC509 TITANFLEX® OIL FIELD VACUUM HOSE XXX PSI WP MADE IN USA
Design Factor: 4:1
Industry Standards: None applicable
Applications:
• Brine, crude oil, mild chemicals, petroleum waste, sediments, sludge, slurries, water
• Oil field equipment and service trucks

Vacuum: Full
Compare to: Jason Tupelo 4677; Kuriyama T601AA; Texcel Tex-Vac; Veyance Flextra Oilfield

Packaging: Coils

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<th>ID (in)</th>
<th>ID (mm)</th>
<th>Reinf Plies</th>
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<th>OD (mm)</th>
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<th>Approx Wt (kg/ft)</th>
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<th>Min Bend Rad (mm)</th>
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<th>Max Rec WP (bar)</th>
<th>Perm Cplg Rec</th>
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* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠️ WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
Corrugated Fracturing (Frac) Tank Hose
Series 7307

Series 7307 is a versatile suction and discharge hose designed to handle brine, crude oil, drilling mud, mild chemicals, petroleum waste, sediments, sludge, slurries and water in oil field applications such as frac tank service. The corrugated hose construction incorporates a wire helix that provides full suction capability, flexibility, kink resistance, and a path to conduct a static electrical charge to ground. The nitrile/SBR cover is resistant to abrasion, oil and weathering. Series 7307 is available in 200-foot continuous lengths.

**NOTE:** Do not use with refined oil or fuel.

**Tube:** Black nitrile/SBR

**Reinforcement:** Multiple textile plies with wire helix

**Cover:** Black nitrile/SBR; corrugated wrapped finish

**Temp. Range:** -20°F to +180°F (-28°C to +82°C)

**Brand Method:** Yellow text on blue stripe

**Brand Example:** PARKER SERIES 7307 OILFIELD SUCTION & FRAC TANK HOSE 150 PSI MADE IN USA

**Design Factor:** 3:1

**Industry Standards:** None applicable

**Applications:**
- Brine, crude oil, mild chemicals, petroleum waste, sediments, sludge, slurries, water
- Frac tank transfer, oil field waste recovery, general industrial

**Vacuum:** Full

**Compare to:** Texcel Super Frac

**Packaging:** Coils

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<th>ID (mm)</th>
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<th>OD (in)</th>
<th>OD (mm)</th>
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<th>Approx Wt (kg/ft)</th>
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* **Couplings:** Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

**Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

**WARNING!** Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. **Refer to the NAHAD Industrial Hose Assembly Guidelines.**
High Pressure Jetting Hose
Series 7335

Series 7335 is a standard duty jetting hose for slurries and water. The hose construction provides high pressure, high volume flow for cleanup and washdown applications. The cover is resistant to abrasion and weathering. Series 7335 is available in 200-foot continuous lengths.

**Tube:** Black SBR

**Reinforcement:** Multiple textile plies

**Cover:** Black SBR; wrapped finish

**Temp. Range:** -40°F to +180°F (-40°C to +82°C)

**Brand Method:** Black text on blue stripe

**Brand Example:** PARKER SERIES 7335 WATER JETTING HOSE 500 PSI MAX WP MADE IN USA (LOT #)

**Design Factor:** 4:1

**Industry Standards:** None applicable

**Applications:**
- Slurries, water
- Cable cover, cleaning, stripping, washdown
- Construction, general industrial, oil field, shipyards

**Vacuum:** Not recommended

**Packaging:** Coils

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<th>ID (in)</th>
<th>ID (mm)</th>
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<th>OD (mm)</th>
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<th>Max Rec WP (bar)</th>
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* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

** Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

**WARNING!** Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
High Pressure Jetting Hose
Series SS111

Series SS111 is a heavy duty jetting hose for slurries and water. The hose construction provides high pressure, high volume flow for cleanup and washdown applications, and the SBR cover is resistant to abrasion and weathering.

**Tube:**
Black SBR

**Reinforcement:**
Multiple textile plies

**Cover:**
Black SBR; wrapped finish

**Temp. Range:**
-40°F to +180°F (-40°C to +82°C)

**Brand Method:**
Black text on blue stripe

**Brand Example:**
PARKER SERIES SS111 HIGH PRESSURE WATER JETTING XXX PSI WP MADE IN USA

**Design Factor:**
4:1

**Industry Standards:**
None applicable

**Applications:**
- Slurries, water
- Cable cover, cleaning, stripping, washdown
- Construction, general industrial, oil field, shipyards

**Vacuum:**
Not recommended

**Packaging:**
Coils

| Part Number | ID (in) | ID (mm) | Reinf Plies | OD (in) | OD (mm) | Approx Wt (lbs/ft) | Approx Wt (kg/ft) | Max Rec WP (psi) | Max Rec WP (bar) | Perm Cplg Rec | Std Pack Qty (ft) | Stock Status ** |
|-------------|--------|---------|-------------|--------|---------|-------------------|-------------------|-----------------|-----------------|---------------|-----------------|-----------------
| SS111-2000  | 2      | 50.8    | 6           | 2.813  | 71.4    | 1.13              | 0.51              | 800             | 55.2           | *             | 100             | N               |
| SS111-2500  | 2-1/2  | 63.5    | 6           | 3.313  | 84.2    | 1.37              | 0.62              | 800             | 55.2           | *             | 100             | N               |
| SS111-3000  | 3      | 76.2    | 6           | 3.813  | 96.8    | 2.42              | 1.10              | 800             | 55.2           | *             | 100             | Y               |
| SS111-4000  | 4      | 101.6   | 6           | 4.813  | 122.2   | 3.10              | 1.41              | 800             | 55.2           | *             | 100             | Y               |
| SS111-5000  | 5      | 127.0   | 6           | 5.813  | 147.6   | 3.77              | 1.71              | 500             | 34.5           | *             | 100             | N               |
| SS111-6000  | 6      | 152.4   | 8           | 7.000  | 177.8   | 5.23              | 2.37              | 500             | 34.5           | *             | 100             | Y               |

* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠️ WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
Mud Discharge Hose
Series 7309

Series 7309 is a heavy duty, high pressure discharge hose designed to handle drilling mud, mild chemicals, petroleum waste and water. The hose construction incorporates a heavy wall for durability and a static wire as a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, heat, mild chemicals and weathering. Series 7309 is available in 200-foot continuous lengths.

**Tube:** Black nitrile; ARPM Class A oil resistance  
**Reinforcement:** Multiple textile plies with static wire  
**Cover:** Black chloroprene; wrapped finish  
**Temp. Range:** -20°F to +180°F (-28°C to +82°C)  
**Brand Method:** Black text on yellow stripe  
**Brand Example:** PARKER SERIES 7309 MUD HOSE 300 PSI MAX WP MADE IN USA  
**Design Factor:** 4:1  
**Industry Standards:** ARPM Class A oil resistant tube  
**Applications:**  
- Drilling mud, mild chemicals, oil, water  
- General industrial, oil field  
**Vacuum:** Not recommended  
**Packaging:** Coils

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<th>ID (mm)</th>
<th>Reinf Pliys</th>
<th>OD (in)</th>
<th>OD (mm)</th>
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* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.  
** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠️ WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
Oil Field

Mud Suction Hose
Series TKW160

Custom Made Hose

Series TKW160 is a large diameter suction and discharge hose designed to handle drilling mud, mild chemicals, oily water, petroleum waste and sewage in oil field applications such as a flexible, vibration-dampening connection between the slush pump and mud pit during rotary well drilling. The hose construction incorporates a wire helix that provides full suction capability, kink resistance, and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, oil and weathering.

NOTE: Other customized versions of this product are available. Contact Parker.

- Tube: Black nitrile
- Reinforcement: Multiple textile plies with wire helix
- Cover: Black synthetic rubber; wrapped finish
- Temp. Range: -40°F to +180°F (-40°C to +82°C)
- Brand Method: Black text on red stripe
- Brand Example: PARKER MUD SUCTION HOSE
- Design Factor: 4:1
- Industry Standards: None applicable
- Applications: • Drilling mud, mild chemicals, oily water, petroleum waste, sewage • General industrial, oil field
- Vacuum: Full
- Packaging: Coils; straight lengths in bales or slat packs
- Couplings: Plain ends or ends per customer specification

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<th>ID (mm)</th>
<th>Reinf Plies</th>
<th>OD (in)</th>
<th>OD (mm)</th>
<th>Approx Wt (lbs/ft)</th>
<th>Approx Wt (kg/ft)</th>
<th>Min Bend Rad (in)</th>
<th>Min Bend Rad (mm)</th>
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WILDCATTER®
Slim Hole Rotary Drill Hose
Series 7234

Series 7234 is a heavy duty, high pressure, versatile hose designed to handle cement solutions, mild chemicals, oil and water in oil field applications such as rotary service on portable drilling units, reverse circulation systems, seismic equipment and workover rigs. The hose construction incorporates multiple plies of high tensile wire reinforcement that provide high pressure capability, crush resistance, durability, kink resistance and a path to conduct a static eletrical charge to ground. The nitrile/PVC cover is resistant to abrasion, oil and weathering.

**Tube:** Black nitrile
**Reinforcement:** Multiple wire plies
**Cover:** Black nitrile/PVC; wrapped finish
**Temp. Range:** -40°F to +200°F (-40°C to +93°C)
**Brand Method:** Black text on blue stripe
**Brand Example:** PARKER SERIES 7234 WILDCATTER® 3000 PSI MAX WP (CAGE CODE) (DATE/MFG CODE)
**Design Factor:** 3.3:1
**Industry Standards:** None applicable
**Applications:**
- Cement solutions, mild chemicals, oil, water
- Portable drilling units, workover rigs
- General industrial, oil field

**Vacuum:** Not recommended

**Compare to:** Gates Powerbraid Plus Slim Rotary Hole

**Packaging:** Coils

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<th>ID (mm)</th>
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<th>OD (mm)</th>
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* **Couplings:** Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

**Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

**WARNING!** Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
## WILDCATTER® Hot Oiler Hose
### Series 7301

Series 7301 is a heavy duty, high pressure hose for hot oil at 275°F continuous/300°F intermittent (135°C/149°C). The hose construction incorporates multiple wire braids of reinforcement for crush resistance, durability, kink resistance and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, heat, oil and weathering.

**Tube:** Black chloroprene  
**Reinforcement:** Multiple wire braids  
**Cover:** Black chloroprene; wrapped finish  
**Temp. Range:** -40°F to +275°F/300°F (-40°C to +135°C/149°C)  
**Brand Method:** Red text on black stripe  
**Brand Example:** PARKER SERIES 7301 WILDCATTER HOT OILER HOSE (ID)  
2250 PSI MAX WP TEMP RATING 275°F CONTINUOUS 300°F INTERMITTENT 001 (DATE CODE)

**Design Factor:** 3:1  
**Industry Standards:** None applicable  
**Applications:**  
- Hot asphalt, glue, tar, oil, wax  
- In-plant transfer; delivery trucks  
- Construction, general industrial, oil field  
**Vacuum:** Not recommended  
**Packaging:** Coils

### Part Number Table

| Part Number | ID (in) | ID (mm) | Reinf Braids | OD (in) | OD (mm) | Approx Wt (lbs/ft) | Approx Wt (kg/ft) | Min Bend Rad (in) | Min Bend Rad (mm) | Max Rec WP (psi) | Max Rec WP (bar) | Perm Cplg Rec * | Std Pack Qty (ft) | Stock Status ** |
|-------------|--------|---------|--------------|--------|---------|-------------------|-------------------|------------------|------------------|----------------|----------------|----------------|----------------|-----------------|----------------|
| 7301-1502   | 1-1/2  | 38.1    | 2            | 2.000  | 50.8    | 1.59              | 0.72              | 13.0            | 330.2           | 2250           | 155.1          | 71             | 50             | Y               |                |
| 7301-1502075| 1-1/2  | 38.1    | 2            | 2.000  | 50.8    | 1.59              | 0.72              | 13.0            | 330.2           | 2250           | 155.1          | 71             | 75             | Y               |                |

* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

**WARNING!** Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.