



Thermoplastic Hose

Quick Reference Guide

SAE 100R3

4703



Applications

- Low Pressure Hydraulics
- High Pressure Pneumatics
- Hand Tools
- Lubrication System
- Pilot Lines and Joystick Controls

Features

- Bonded Construction
- Excellent Kink Resistance
- Maximum Flex Life
- Low Volumetric Expansion
- Available - Twin or Multi-line
- Tube - Polyester Elastomer
- Reinforcement - Single Polyester Braid
- Cover - Polyurethane
- Cover Color - Black, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
1,500 - 2,000 PSI
103 - 150 bar

SAE 100R7

4700



Applications

- General Hydraulics
- Material Handling
- Mobile Hydraulics
- Agricultural Equipment
- Lubrication Systems

Features

- Bonded Construction
- Excellent Kink Resistance
- Maximum Flex Life
- Long Continuous Length
- Available - Twin or Multi-Line
- Tube - Polyester Elastomer
- Reinforcement - Single Polyester Braid
- Cover - Polyurethane
- Cover Color - Black, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
1,000 - 3,000 PSI
69 - 207 bar

4704



Applications

- General Hydraulics
- Material Handling
- Mobile Hydraulics
- Agricultural Equipment
- Lubrication Systems

Features

- Bonded Construction
- Excellent Abrasion Resistance
- Low Coefficient of Friction
- Maximum Flex Life
- Low I.D. to O.D. Ratios, Slim, and Lightweight
- Available - Twin or Multi-line
- Tube - Polyester Elastomer
- Reinforcement - Single Polyester Braid
- Cover - Proprietary Polyurethane Blend ("Tuffskin")
- Cover Color - Black, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
1,000 - 3,000 PSI
69 - 207 bar

4704 NC



Applications

- General Hydraulics Where Electrical Non-conductivity is Required
- Electrical Utility Truck Hydraulic System
- Aerial Equipment (Pickers)
- Rescue Apparatus and Tools

Features

- Bonded Construction
- Meets SAE J517 that Requires Less Than 50 Micro-Amperes Leakage When Subjected to 75,000 Volts/Ft For 5 Minutes
- Complies with ANSI 92.2 for Vehicle Mounted Aerial Devices
- Low Coefficient of Friction Cover
- Excellent Abrasion and UV Resistant Cover
- Low I.D. to O.D. Ratios, Slim, Lightweight
- Available - Twin or Multi-Line
- Tube - Polyester Elastomer
- Reinforcement - Single Polyester Braid
- Cover - Proprietary Polyurethane Blend ("Tuffskin")
- Cover Color - Orange, Non-Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
1,000 - 3,000 PSI
69 - 207 bar

4705



Applications

- General Hydraulic and Pneumatic Systems
- High Pressure Gas Transfer
- Agricultural Spraying
- Urethane Foam Mixers
- Robotics

Features

- Bonded Construction
- Excellent Chemical Compatibility
- Excellent Kink Resistance
- Maximum Flex Life
- Available - Twin and Multi-line
- Tube - Nylon
- Reinforcement - Single Polyester Braid
- Cover - Proprietary Polyurethane Blend ("Tuffskin")
- Cover Color - Black, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
1,000 - 3,000 PSI
69 - 207 bar

4700FR



Applications

- General Hydraulics and Pneumatic Systems Where a Flame-Retardant Cover is Required to Give Optimum Protection

Features

- Bonded Construction
- Flame Retardant Polyurethane Cover
- Excellent Kink Resistance
- Maximum Flex Life
- Available - Twin or Multiline
- Tube - Polyester Elastomer
- Reinforcement - Single Polyester Braid
- Cover - Flame Retardant Polyurethane
- Cover Color - Black, Non-Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
1,000 - 3,000 PSI
69 - 207 bar

SAE 100R8

4800



Applications

- Hydraulic and Pneumatic Systems
- High Pressure Gas and Chemical Transfer
- Mobile Equipment
- Machine Tools
- Agricultural Equipment

Features

- Bonded Construction
- 100R8 Performance @ 100R7 Dimensions
- Low Volumetric Expansion
- Lighter and Smaller O.D. than 100R2
- Available - Twin or Multi-Line
- Tube - Nylon
- Reinforcement - Single Aramid Braid
- Cover - Polyurethane
- Cover Color - Black, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
2,000 - 5,000 PSI
138 - 345 bar

4800 NC



Applications

- General Hydraulics Where Electrical Non-Conductivity is Required
- Aerial Equipment
- Mobile Machinery
- Rescue Tools

Features

- Bonded Construction
- Low Coefficient of Friction
- Meets SAE J517 That Requires Less Than 50 Micro-Amperes Leakage When Subjected to 75,000 Volts/Ft for 5 Minutes
- 100R8 Performance @ 100R7 Dimensions
- Low Volumetric Expansion
- UV Resistant Cover
- Available - Twin or Multi-Line
- Tube - Nylon
- Reinforcement - Single Aramid Braid
- Cover - Proprietary Polyurethane Blend ("TuffSkin")
- Cover Color - Orange, Non-Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
2,000 - 5,000 PSI
138 - 345 bar

4850**Applications**

- General Hydraulic Systems
- Mobile Equipment
- Hydraulic Tools
- High Pressure Pneumatic System
- High Pressure Chemical Transfer

Features

- Bonded Construction
- Superior Impulse Cycling and Flexing
- Excellent Fluid Compatibility
- Robust Construction
- Available - Twin or Multi-Line
- Tube - Nylon
- Reinforcement - Two Polyester Braids
- Cover - Polyurethane
- Cover Color - Black, Perforated

Specifications

-40°F to +212°F
 -40°C to +100°C
 2,000 - 5,000 PSI
 138 - 345 bar

4850 NC**Applications**

- General Hydraulic Systems Where Electrical Non-Conductivity is Required
- Aerial/Utility Equipment
- Mobile Equipment
- Rescue Tool

Features

- Bonded Construction
- Meets SAE J517 That Requires Less Than 50 Micro-Amperes Leakage When Subjected to 75,000 Volts/Ft for 5 Minutes
- Superior Impulse Cycling and Flexing
- UV Resistant Cover
- Low Coefficient Cover
- Available - Twin or Multi-Line
- Tube - Nylon
- Reinforcement - Two Polyester Braids
- Cover - Proprietary Polyurethane Blend ("Tuff-Skin")
- Cover Color - Orange, Non-Perforated

Specifications

-40°F to +212°F
 -40°C to +100°C
 2,000 - 5,000 PSI
 138 - 345 bar

SAE 100R18**4730LT****Applications**

- Fork truck (over-the-sheave)
- Cold storage and refrigerated areas
- Material Handling
- Construction Equipment
- General Hydraulics & Hydraulic Tools
- Agricultural Equipment
- Lubrication Equipment

Features

- Bonded Construction
- Superior Flexibility in Cold Temperature Applications
- Low Coefficient of Friction Cover (non-stick)
- Excellent Bend Radius
- Optimum Flex Life
- Tube - Polyester Elastomer
- Reinforcement - One or Two Polyester Braids
- Cover - Polyester Elastomer (Non-Stick)
- Cover Color - Black, Perforated

Specifications

-70°F to +212°F
 -57°C to +100°C
 3,000 PSI
 207 bar

General Hydraulic Hose**4920****Applications**

- Mobile General Hydraulics
- Lubrication Equipment
- Construction/Agricultural Equipment

Features

- Cut Resistant
- Crush Resistant
- Low I.D. to O.D. Ratios, Slim/Lightweight
- Tube - Polyester Elastomer
- Reinforcement - Wire Braid
- Cover - Polyurethane
- Cover Color - Black, Non-Perforated

Specifications

-40°F to +250°F
 -40°C to +121°C
 3,000 - 4,500 PSI
 207 - 310 bar

Very High Pressure Hose

4810



Applications

- High Pressure Hydraulic Tools
- Rescue Equipment
- High Pressure Test Equipment
- Jacking Systems

Features

- Bonded Construction
- Low Volumetric Expansion
- Low I.D. to O.D. Ratios
- Superior Flexibility and Bend Radius in Comparison to Multi-Spiral Designs
- Available - Single or Twin Line
- Tube - Nylon
- Reinforcement - Two Aramid Braids
- Cover - Polyurethane
- Cover Color - Black, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
8,000 - 10,000 PSI
552 - 690 bar

4810 NC



Applications

- High Pressure Hydraulics Systems Where Electrical Non-Conductivity is Required
- Rescue Equipment
- Mobile Equipment
- Aerial Equipment

Features

- Bonded Construction
- Low Volumetric Expansion
- Low I.D. to O.D. Ratios
- Superior Flexibility and Bend Radius in Comparison to Multi-Spiral Designs
- Meets SAE J517 that Requires Less Than 50 Micro-Amperes Leakage When Subjected to 75,000 Volts/Ft for 5 Minutes.
- Available - Single or Twin Line
- Tube - Nylon
- Reinforcement - Two Aramid Braids
- Cover - Proprietary Polyurethane Blend ("Tuff-Skin")
- Cover Color - Orange, Non-Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
8,000 - 10,000 PSI
552 - 690 bar

4930



Applications

- High Pressure Hydraulic Systems
- High Pressure Pumps
- Rescue Equipment
- Jacking Systems

Features

- Bonded Construction
- Low Volumetric Expansion
- Low I.D. to O.D. Ratios
- Superior Flexibility and Bend Radius in Comparison to Multi-Spiral Designs
- Available - Single or Twin Line
- Tube - Nylon
- Reinforcement - One Aramid/One Wire Braid
- Cover - Polyurethane
- Cover Color - Black, Non-Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
10,000 PSI
690 bar

Specialty Hose

4702



Applications

- Hand Held Grease Gun
- Central Lubrication Systems

Features

- Bonded Construction
- Very Flexible and Compact
- Replaces Rigid Nylon and/or Steel Pipe
- Tube - Polyester Elastomer
- Reinforcement - Single Polyester Braid
- Cover - Polyurethane
- Cover Color - Black, Perforated

Specifications

-40°F to +150°F
-40°C to +66°C
3,000 PSI
207 bar

4750**Applications**

- Pure Water Transfer
- Deionized Water
- Distilled Water
- Potable Water
- Food Products

Features

- Bonded Construction
- Made with NSF, FDA Approved Materials
- Plasticizer Free, Non-Leaching Core Tube
- Prevents moisture transmission, extraction of contaminants.
- Tube - Polyolefin
- Reinforcement - Single Polyester Braid
- Cover - Polyurethane
- Cover Color - Blue, Non-Perforated

Specifications

-10°F to +150°F
-23°C to +66°C
1,500 - 2,750 PSI
104 - 190 bar

4760**Applications**

- Conveying Urethane Foam Components
- Moisture Sensitive Chemicals

Features

- Bonded Construction
- Low moisture permability
- Plasticizer Free Core Tube
- UV Resistant Cover
- Custom Colors Available
- Available - Twin or Multi-Line
- Tube - Polyolefin
- Reinforcement - Single Polyester Braid
- Cover - Polyurethane
- Cover Color - Black, Perforated

Specifications

-10°F to +150°F
-23°C to +66°C
1,000 - 2,750 PSI
69 - 190 bar

4804**Applications**

- Air Compressor Stations
- SCUBA Tank Refilling Stations
- Mobile Air Wagons
- Cascade Systems

Features

- Bonded Construction
- Excellent Flexibility
- Low I.D. to O.D. Ratio
- UV Resistant Cover
- Available - Twin or Multi-Line
- Tube - Nylon
- Reinforcement - Aramid Fiber
- Cover - Polyurethane
- Cover Color - Gray, Perforated

Specifications

-40°F to +180°F
-40°C to +82°C
6,000 PSI
414 bar

Paint Spray Hose

4710**Applications**

- Airless Paint Spray Supply Lines

Features

- Bonded Construction
- Extremely Kink Resistant
- Proprietary Design for Improved Flexibility
- Resistant to Most Chemicals, Paints, and Solvents
- Wireless Design Dissipates Static Electricity
- Certified to UL-1450 Specifications
- Tube - Nylon 11
- Reinforcement - Two Polyester Braids w/ Conductive Material
- Cover - Polyurethane
- Cover Color - Blue, Non-Perforated (Other Colors Available)

Specifications

-40°F to +180°F
-40°C to +82°C
3,300 PSI
228 bar

4900



Applications

- Airless Paint Equipment
- High Pressure Applications

Features

- High Pressure Performance
- Steel Braid Guarantees Electrical Conductivity
- Excellent Flexibility w/ Small Bend Radius
- Tube - Nylon
- Reinforcement - One Wire Braid
- Cover - Polyurethane
- Cover Color - Black, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
3,000 - 5,000 PSI
207 - 345 bar

4910



Applications

- Airless Paint Spray Equipment
- Extra High Pressure Applications

Features

- Extra High Pressure Performance
- Double Braid Ensures Mechanical Strength
- Resistant to Most Chemicals, Paints, and Elements
- Excellent Flexibility With Small Bend Radius
- Tube - Nylon
- Reinforcement - Two Wire Braid
- Cover - Polyurethane
- Cover Color - Blue, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
5,000 - 6,170 PSI
345 - 426 bar

4940



Applications

- Airless Paint Spray Equipment
- Very High Pressure Applications

Features

- Very High Pressure Performance
- Resistant to Most Chemicals, Paints and Solvents
- Excellent Flexibility With Small Bend Radius
- Light Weight in Comparison to Multi-Spiral Construction
- Tube - Nylon
- Reinforcement - One Aramid / One Wire Braid
- Cover - Polyurethane
- Cover Color - Red, Perforated

Specifications

-40°F to +212°F
-40°C to +100°C
7,200 - 10,000 PSI
497 - 690 bar

Sewer Cleaning Hose

4610



Applications

- High Pressure Water Cleaning
- Lateral Sewer Lines
- Water Jetting Equipment
- **Not for Hydraulic Applications**

Features

- Bonded Construction
- Slim Profile and Light Weight
- Flexible and Kink Resistant
- Black Color Denotes 4000 PSI
- Low Coefficient of Friction
- Excellent Cut, Gouge and Abrasion Resistance
- Tube - Polyester Elastomer (Cream Color)
- Reinforcement - One Aramid Braid
- Cover - Proprietary Urethane Blend ("Tuff-Skin")
- Cover Color - Black, Non-Perforated (Other Colors Available)

Specifications

-40°F to +135°F
-40°C to +57°C
4,000 PSI
276 bar

4625



Applications

- Sewer Cleaning
- Sewer & Water Jetting Equipment
- **Not for Hydraulic Applications**

Features

- Bonded Construction
- Excellent Kink Resistance and Flexibility
- Orange Color Denotes 2500 PSI
- Low Coefficient of Friction
- Excellent Cut, Gouge and Abrasion Resistance
- Tube - Polyester Elastomer (Cream Color)
- Reinforcement - Single Polyester Braid
- Cover - Proprietary Polyurethane Blend ("Tuff-Skin")
- Cover Color - Orange, Non-Perforated

Specifications

-40°F to +135°F
-40°C to +57°C
2,500 PSI
173 bar

4630



Applications

- High Pressure Sewer Cleaning
- Sewer & Water Jetting Equipment
- **Not for Hydraulic Applications**

Features

- Bonded Construction
- Excellent Kink Resistance and Flexibility
- Blue Color Denotes 3000 PSI
- Low Coefficient of Friction
- Excellent Cut, Gouge and Abrasion Resistance
- Tube - Polyester Elastomer (Cream Color)
- Reinforcement - Two Polyester Braids
- Cover - Proprietary Polyurethane Blend ("Tuff-Skin")
- Cover Color - Blue, Non-Perforated

Specifications

-40°F to +135°F
-40°C to +57°C
3,000 PSI
207 bar

4640



Applications

- High Pressure Water Jetting
- Lateral Sewer Lines
- **Not for Hydraulic Applications**

Features

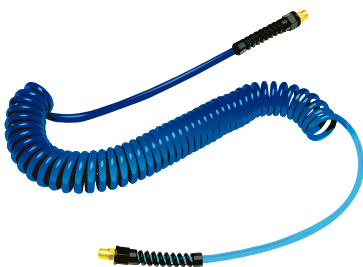
- Bonded Construction
- Excellent Kink Resistance and Flexibility
- Green Color Denotes 4000 PSI
- Low Coefficient of Friction
- Excellent Cut, Gouge and Abrasion Resistance
- Tube - Polyester Elastomer (Cream Color)
- Reinforcement - Two Polyester Braids
- Cover - Proprietary Polyurethane Blend ("Tuff-Skin")
- Cover Color - Green, Non-Perforated

Specifications

-40°F to +135°F
-40°C to +57°C
4,000 PSI
276 bar

Polyurethane Air Tool Hose

Recoil Air Hose



Applications

- Aerospace Manufacturers
- Air Tools
- Auto Repair
- Automotive Assembly Lines
- Car Wash Systems
- Dental Drill Equipment
- Electronic Controls & Instrumentation
- Machine Shops
- Maintenance Shops
- Nailing and Stapling
- Paint Shops
- Robotics
- Service Stations
- Tire Shops

Features

- Integral Strain Relief & Re-usable Fittings
- Excellent Recoil Memory; Superior to Competitor's Loose Coil
- 10 Times More Durable Than Rubber
- Small Coil Diameter Allows for Compact Storage
- Resistant to Oil, Grease, Corrosion and Abrasion
- 1/4" and 3/8" ID Sizes Available
- 10-50 Ft Lengths Available

Specifications

125 PSI @ 70°F
8 bar @ 21°C

Air Hose



Applications

- Aerospace Manufacturers
- Air Tools
- Auto Repair
- Automotive Assembly Lines
- Car Wash Systems
- Dental Drill Equipment
- Electronic Controls & Instrumentation
- Machine Shops
- Maintenance Shops
- Nailing and Stapling
- Paint Shops
- Robotics
- Service Stations
- Tire Shops

Features

- 85 Durometer Polyurethane Compound Provides Extreme Flexibility
- Rugged Brass Reusable Fittings For Long Service Life
- Soft Polyurethane is Non-Marring
- Smooth Tube Bore For Maximum Air Flow
- Thermally Bonded Cover and Tube for Maximum Adhesion & Zero Ply Separation
- Specially Engineered Strain Reliefs to Eliminate Hose Kink at the Fitting
- Reinforcement - Dacron Polyester
- Cover - 85A Ether-Based Polyurethane
- Fittings: 2 Piece Reusable Solid Brass Fittings
- Nylon Integrated Strain Relief: Specially Engineered for Maximum Strain Relief
- UV Stabilized: Special Additive for Longer Hose Life & Color Integrity
- Available in 50', 100' & Bulk Lengths

Specifications

-40°F to +165°F
-40°C to +74°C
225 PSI @ 70°F
16 bar @ 21°C

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