

Air and Multipurpose Hose

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Air and Multipurpose Hose


Intro


C

Important Air & Multi-Purpose Hose Safety Information!


 **WARNING:** Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.


 **WARNING:** Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.


 **WARNING:** Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

 **WARNING:** Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death.

Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

 **WARNING:** Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

 **WARNING:** Be aware that if you replace a hose with one having a different I.D. than the original hose, material velocity could increase or decrease, possibly creating static electricity. This could lead to an explosion causing serious injury or death.

 **WARNING:** Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

AIR & MULTI-PURPOSE HOSE BENEFITS

4:1 Safety Factor (Burst: Working Pressure)

- Safer operation.
- Longer hose life.
- Full range of sizes and styles.
- Eaton multi-purpose hoses are designed to match capability with the job you need to do. Eaton brand products offer a well-rounded choice of hose styles for services ranging from high pressure use in heavy construction to economical hose for light duty agricultural and industrial applications.

Every Hose is Easily Identified

- Every foot of hose is easily identified by means of permanent branding. This makes hose selection on the job quicker, easier and safer, and buying hose is easier too—because you can tell at a glance that you're getting exactly the hose you ordered.

Multi-Purpose Hose for Specialized Uses


- Eaton calls them "MULTI-PURPOSE" hoses, meaning they'll do a tremendous variety of jobs. In many cases one Eaton hose can replace several different "special purpose" styles. This helps keep expenses low.

Brand Name Identity (and the quality that goes behind it)

- With the Eaton brand name on the hose you buy, you are assured maximum value and consistent quality. With over 100 years worth of reputation at stake, we wouldn't have it any other way.

Air and Multipurpose Hose

Air

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.



TYPE 24 Low Temperature PVC Air Hose



Tube: PVC-Low Temperature
Reinforcement: Fiber 2 Spiral
Cover: PVC
Color: Sky Blue
Temperature Range: -28°F to +150°F

Type Of Branding: Ink Jet
Working Pressure: 250-300 psi
Type Of Coupling: Barbed Inserts, Quick Acting, Short or Long Shank. Clamps—Bolt, Brass Collar, or Band.
Do not use internal expanded couplings.

Features:

- Good abrasion resistance
- Lightweight, non-marking & flexible
- Coupled units available
- RoHS compliant

Advantages:

- Special cold temp. materials
- Good resistance to oil, ozone & U.V.
- Good flexibility in cold temperatures

Markets:

- Construction
- Equipment rentals

Applications:


- Air & water transfer
- Pneumatic tools, service center air lines
- Good outdoor use hose

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | NOMINAL O.D. (IN.) | (MM) | WORKING PRESSURE @ 68°F | APPROX. LBS. WEIGHT PER 100 FT. | STANDARD LENGTH (FT.) | PACKAGE |
|----------------|--------------------|------|--------------------|------|-------------------------|---------------------------------|-----------------------|---------|
| 24-04 | 1/4 | 6.4 | 1/2 | 12.7 | 300 | 9.4 | 500 | Reel |
| 24-06 | 3/8 | 9.5 | 5/8 | 15.9 | 300 | 12.8 | 500 | Reel |
| 24-08 | 1/2 | 12.7 | 3/4 | 19.1 | 300 | 14.7 | 500 | Reel |
| 24-12 | 3/4 | 19.1 | 1.030 | 26.2 | 250 | 23.1 | 300 | Coil |

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page A-12 showing the relationship between working pressure and temperature for reinforced PVC hose.

Air and Multipurpose Hose

Air

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

C TYPE 27 Grey High Temperature Air Hose



Tube: Urethane/PVC Blend

Reinforcement: Fiber 2 Spiral

Cover: PVC

Color: Grey

Temperature Range: -20°F to + 180°F

Type Of Branding: Ink Jet

Working Pressure: 250 psi

Type Of Coupling: Barbed Inserts, Quick Acting, Short or Long Shank. Clamps—Bolt, Brass Collar, or Band.

Do not use internal expanded couplings.

Features:

- Polyurethane/PVC blended black core and grey cover
- Polyester reinforcement
- Good resistance to oil, ozone & U.V.
- Higher temperature resistance

Advantages:

- Non-marking, flexible
- Good abrasion resistance
- RoHS compliant
- Lightweight

Markets:

- Construction
- Equipment rentals

Applications:


- Air & water transfer
- Pneumatic tools, light vacuum line, wire conduit
- Steam cleaning equipment

| PRODUCT NUMBER | NOMINAL I.D. | | NOMINAL O.D. | | WORKING PRESSURE @ 68°F | APPROX. LBS. WEIGHT PER 100 FT. | STANDARD LENGTH (FT.) | PACKAGE |
|----------------|--------------|------|--------------|------|-------------------------|---------------------------------|-----------------------|---------|
| | (IN.) | (MM) | (IN.) | (MM) | | | | |
| 27-04 | 1/4 | 6.4 | .460 | 11.7 | 250 | 6.9 | 600 | Reel |
| 27-06 | 3/8 | 9.5 | 5/8 | 15.9 | 250 | 11.8 | 600 | Reel |
| 27-08 | 1/2 | 12.7 | 3/4 | 19.1 | 250 | 14.4 | 500 | Reel |

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page A-12 showing the relationship between working pressure and temperature for reinforced PVC hose.

Air and Multipurpose Hose

Conductive

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

Type 38 Medical Conductive Air Hose



Tube: PVC

Reinforcement: Fiber 2 Spiral

Cover: PVC

Colors: Green, White, Yellow

Temperature Range: +25°F to +150°F

Type Of Branding: Ink Jet

Working Pressure: 250 psi

Type Of Coupling: Barbed Inserts, Quick Acting, Short or Long Shank. Clamps—Bolt, Brass Collar, or Band.

Do not use internal expanded couplings.

Features:

- Black core
- Colored cover: green, white, yellow
- Conductive: volume resistivity (OHM-CM3) of 7-8
- RoHS compliant

Advantages:

- Easy identification
- Lightweight
- Custom packaging

Markets:

- Medical

Applications:


- Medical conductive hose
- Air hose
- Powdered material transfer

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | NOMINAL O.D. (IN.) | (MM) | WORKING PRESSURE @ 68°F | APPROX. LBS. WEIGHT PER 100 FT. | STANDARD LENGTH (FT.) | PACKAGE |
|----------------|--------------------|------|--------------------|------|-------------------------|---------------------------------|-----------------------|-----------|
| 38-0400 | 1/4 | 6.4 | .490 | 12.4 | 250 | 7.6 | 500 | Spool/Box |
| 38-0500 | 5/16 | 7.9 | .570 | 14.5 | 250 | 9.0 | 500 | Spool/Box |
| 38-0600 | 3/8 | 9.5 | .625 | 15.9 | 250 | 11.8 | 300 | Coil |

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page A-12 showing the relationship between working pressure and temperature for reinforced PVC hose.

Air and Multipurpose Hose

Low Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

C

Polyforce II



Tube: PVC

Reinforcement: Fiber, 2 Spiral

Cover: PVC/Pinpricked

Color: Red (RD), Blue (BU), Yellow (YW)

Temperature Range: -10°F To +150°F

Type Of Branding: Ink Print

Working Pressure: 125-250 psi

Type Of Coupling: 'E' Series, 265 'P' Series, 'Z' Series, TTC, Barbed Inserts, Quick Acting or Long Shank. Clamps—Single Bolt, Brass Collar or Band.

Do not use internal expanded couplings.

Features:

- Lightweight
- Flexible
- PVC tube
- PVC cover
- 95% one piece reels and coils
- Continuous permanent brand
- Factory tested to exceed minimum electrical resistivity of one megohm per inch at 1000 volts D.C.

Advantages:

- Easy to handle
- Easy to route
- Moderate oil resistance
- Abrasion, age, ozone & moderate oil resistance
- Economical; less waste
- Easy identification

Markets:

- Assembly/Manufacturers
- Light chemical processing
- Construction
- Food processing
- Metal working
- Mining
- Oil industry
- Paper/Pulp processing
- Plywood/Chip board manufacturing
- Ship building

Applications:

- Transfer air and water
- Air tools
- Water supply
- Robotics
- Water washdown
- Lubricated air


| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | SPIRAL | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | MTO* MIN. ORDER QTY. | STANDARD LENGTH (FT) |
|----------------|--------------------|------|--------|--------------------|------|---------------------------------|---------------------------|----------------------|----------------------|
| H27503-600R* | 3/16 | 4.8 | 2 | 27/64 | 10.7 | 6 | 250 | 6,000 | 600*(RD) |
| H27504 | 1/4 | 6.4 | 2 | 1/2 | 12.7 | 7 | 250 | 6,000 | 50(RD) |
| H27504-600R | | | | | | | | | 600(RD,BU,YW) |
| H27505-600R* | 5/16 | 7.9 | 2 | 33/64 | 13.1 | 8 | 250 | 6,000 | 600*(RD) |
| H27506 | 3/8 | 9.5 | 2 | 5/8 | 15.9 | 12 | 250 | — | 50(RD) |
| H27506-600R | | | | | | | | 8,000 | 600(RD,BU*,YW) |
| H27508 | 1/2 | 12.7 | 2 | 3/4 | 19.1 | 15 | 250 | — | 50(RD) |
| H27508-500R | | | | | | | | | 500(RD,BU,YW) |
| H27510-500R | 5/8 | 15.9 | 2 | 57/64 | 22.6 | 21 | 250 | — | 500(RD) |
| H27512 | 3/4 | 19.1 | 2 | 1-1/32 | 26.2 | 23 | 250 | 3,500 | 50(RD*) |
| H27512-500R | | | | | | | | | 500(RD) |
| H27516 | 1 | 25.4 | 2 | 1-5/16 | 33.3 | 34 | 200 | 2,500 | 50(RD)* |
| H27516-200R | | | | | | | | | 200(RD) |
| H27520-100 | 1-1/4 | 31.8 | 2 | 1-11/16 | 42.9 | 52 | 200 | — | 100(RD) |
| H27524-100 | 1-1/2 | 38.1 | 2 | 1-15/16 | 49.2 | 61 | 200 | — | 100(RD) |
| H27532-100 | 2 | 50.9 | 2 | 2-1/2 | 63.5 | 91 | 125 | — | 100(RD) |

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page A-12 showing the relationship between working pressure and temperature for reinforced PVC hose.

*MTO—Made To Order

Air and Multipurpose Hose

Low Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

Ultraforce



Tube: Modified Vinyl
Reinforcement: Fiber, 2 Spiral
Cover: Rubber Modified, Non-Marking Thermoplastic/Pinpricked
Color: Blue (BU) & Red (RD)
 (Other colors made on a Made To Order basis)
Temperature Range: -20°F To +180°F

Type Of Branding: Ink Print
Working Pressure: 125-350 psi
Type Of Coupling: 'E' Series, 265 'P' Series, 'Z' Series, TTC, Barbed Inserts, Quick Acting, Short or Long Shank. Clamps—Bolt, Brass Collar, or Band.
Do not use internal expanded couplings.

Features:

- Lightweight
- Flexible
- Modified vinyl tube
- Rubber modified thermoplastic cover
- 95% one piece reels and coils
- Continuous permanent brand
- Factory tested to exceed minimum electrical resistivity of one megaohm per inch at 1000 volts D.C.

Advantages:

- Easy to handle
- Easy to route
- Medium-high oil resistance
- Abrasion, age, ozone & moderate oil resistance
- Economical; less waste
- Easy identification
- Safety

Markets:

- Assembly/Manufacturers
- Light chemical processing
- Construction
- Food processing
- Metal working
- Mining
- Oil industry
- Paper/Pulp processing
- Plywood/Chip board manufacturing
- Ship building

Applications:

- Transfer air and water
- Air tools
- Water supply
- Robotics
- Water washdown


| PRODUCT NUMBER | NOMINAL I.D. (IN.) (MM) | SPIRAL | APPROX. NOMINAL O.D. (IN.) (MM) | LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESSURE (PSI) | MTO* MIN. ORDER QTY. | STANDARD REELS (FT) | MIN BEND RADIUS (IN.) |
|----------------|-------------------------|--------|---------------------------------|-------------------------|-----------------------------|----------------------|---------------------|-----------------------|
| H26504-600R | 1/4 6.4 | 2 | 1/2 12.7 | 9 | 350 | | 600(BU,RD) | 3/4 |
| H26506 | 3/8 9.5 | 2 | 41/64 16.3 | 12 | 350 | | 50(BU) | 1-1/4 |
| H26506-600R | | | | | | | 600(BU,RD) | |
| H26508 | 1/2 12.7 | 2 | 25/32 19.8 | 17 | 300 | — | 50(BU) | 2 |
| H26508-500R | | | | | | | 500(BU,RD) | |
| H26510-500R | 5/8 15.9 | 2 | 7/8 22.2 | 20 | 250 | 5,000 | 500(BU) | |
| H26512 | 3/4 19.1 | 2 | 1-1/16 26.9 | 26 | 250 | | 50(BU) | 2-1/2 |
| H26512-500R | | | | | | 3,500 | 500(BU,RD*) | |
| H26516 | 1 25.4 | 2 | 1-5/16 33.3 | 35 | 200 | — | 50(BU) | |
| H26516-200R | | | | | | 2,500 | 200(BU,RD*) | |
| H26520-100 | 1-1/4 31.8 | 2 | 1-11/16 42.9 | 61 | 150 | 2,000 | 100(BU,RD*) | |
| H26524-100 | 1-1/2 38.1 | 2 | 1-15/16 49.2 | 73 | 150 | 1,500 | 100(BU*,RD*) | |
| H26532-100 | 2 50.8 | 2 | 2-1/2 63.5 | 105 | 125 | | 100**(BU,RD) | |

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page A-12 showing the relationship between working pressure and temperature for reinforced PVC hose.

*MTO—Made To Order

Air and Multipurpose Hose

Low Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

C

Boston Marathoner



Tube: Blended Nitrile

Reinforcement: Fiber, 2 or 4 Spiral

Cover: Neoprene/Pinpricked

Color: Red (RD), Green (GN), Yellow (YW), Black (BK)

Temperature Range: -40°F To +180°F

Type Of Branding: Ink Print

Working Pressure: 200-300 psi

Type Of Coupling: 'U' Series, TTC, 'Z' Series, Barbed Inserts, Quick Acting or Long Shank. Clamps—Bolt, Band or Wire.

Features:

- Neoprene cover
- Blended nitrile tube
- Continuous permanent brand
- Longer lengths
- Each reel factory tested to exceed minimum electrical resistivity of one megaohm per inch at 1000 volts D.C.

Advantages:

- Abrasion, oil, and water resistant
- Medium oil resistant
- Easy identification
- Economical; less waste

Markets:

- Assembly/Manufacturers
- Lumber/Woodworking
- Plywood mfg.
- Paper/Pulp processing
- Metal working


Applications:

- Pneumatic tools on production line
- Transfer air and water

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | SPIRAL | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | STANDARD REELS (FT) |
|----------------|--------------------|------|--------|--------------------|------|---------------------------------|---------------------------|---------------------|
| H198104-600R | 1/4 | 6.3 | 2 | 1/2 | 12.7 | 10 | 200 | 600(RD) |
| H198204-600R | 1/4 | 6.3 | 4 | 5/8 | 15.9 | 13 | 300 | 600(RD) |
| H198105-600R | 5/16 | 7.9 | 2 | 5/8 | 15.9 | 12 | 200 | 600(RD) |
| H198205-600R | 5/16 | 7.9 | 4 | 11/16 | 17.3 | 13 | 300 | 600(RD) |
| H198106-600R | 3/8 | 9.5 | 2 | 11/16 | 17.3 | 15 | 200 | 600(RD) |
| H198206-600R | 3/8 | 9.5 | 4 | 3/4 | 18.3 | 18 | 300 | 600(RD, GN, BK) |
| H198108-600R | 1/2 | 12.7 | 2 | 13/16 | 20.6 | 19 | 200 | 600(RD) |
| H198208-600R | 1/2 | 12.7 | 4 | 7/8 | 25.4 | 23 | 300 | 600(RD, YW, GN, BK) |
| H198210-600R | 5/8 | 15.9 | 4 | 1-1/32 | 26.2 | 25 | 300 | 600(RD) |
| H198112-250 | 3/4 | 19.1 | 4 | 1-3/16 | 30.2 | 37 | 225 | 5-50's(RD) |
| H198112-600R | 3/4 | 19.1 | 4 | 1-3/16 | 30.2 | 37 | 225 | 600(RD) |
| H198212-250 | 3/4 | 19.1 | 4 | 1-3/16 | 30.2 | 37 | 300 | 5-50's(RD, BU) |
| H198212-600R | 3/4 | 19.1 | 4 | 1-3/16 | 30.2 | 37 | 300 | 600(RD, YW, GN, BK) |
| H198216-400R | 1 | 25.4 | 4 | 1-7/16 | 36.5 | 64 | 300 | 400(RD, GN) |

Air and Multipurpose Hose

Low Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

Performer II



Tube: Nitrile

Reinforcement: Fiber, 1 or 2 Braid

Cover: Vinyl Nitrile

Color: Red

Temperature Range: -40°F To +180°F

Type Of Branding: Ink Print

Working Pressure: 225-300 psi

Type Of Coupling: 'U' Series, 430 'U', TTC, 'Z' Series, Barbed Inserts, Quick Acting, Long Shank, Series or Steel Nipple. Clamps—Interlocking, Bolt, Band or Wire.

Features:

- Vinyl nitrile cover
- Nitrile tube (RMA class B)
- Continuous permanent brand
- Multi-purpose hose
- High working pressure
- Braided reinforcement

Advantages:

- Abrasion, oil, and weather resistant
- High oil resistance
- Easy identification
- For many applications
- Better coupling retention for impulse applications

Markets:

- Assembly/Manufacturers
- Construction industry
- Forest industry
- Metal working
- Mining
- Ship building
- Plastic molding


Applications:

- Pneumatic tools on production line
- Provide power to air operated equipment
- Convey air and water

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | I.D. (MM) | BRAID | NOMINAL O.D. (IN.) | O.D. (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | STANDARD REELS (FT) |
|----------------|--------------------|-----------|-------|--------------------|-----------|---------------------------------|---------------------------|---------------------|
| H11604-550R | 1/4 | 6.3 | 1 | 1/2 | 12.7 | 10 | 225 | 550 |
| H11504 | 1/4 | 6.3 | 2 | 19/32 | 15.1 | 15 | 300 | 50 |
| H11504-550R | | | | | | | | 550 |
| H11605-550R | 5/16 | 7.9 | 1 | 5/8 | 15.9 | 14 | 225 | 550 |
| H11505 | 5/16 | 7.9 | 2 | 21/32 | 15.9 | 14 | 300 | 50 |
| H11505-550R | | | | | | | | 550 |
| H11606-550R | 3/8 | 9.5 | 1 | 21/32 | 16.7 | 15 | 225 | 550 |
| H11506 | 3/8 | 9.5 | 2 | 3/32 | 18.3 | 19 | 300 | 50 |
| H11506-550R | | | | | | | | 550 |
| H11608-550R | 1/2 | 12.7 | 1 | 13/16 | 20.6 | 21 | 225 | 550 |
| H11508 | 1/2 | 12.7 | 2 | 7/8 | 22.2 | 27 | 300 | 50 |
| H11508-550R | | | | | | | | 550 |
| H11512 | 3/4 | 19.1 | 2 | 1-5/32 | 29.4 | 41 | 300 | 50 |
| H11512-550R | | | | | | | | 550 |
| H11516 | 1 | 25.4 | 2 | 1-7/16 | 36.5 | 46 | 250 | 50 |
| H11516-300R | | | | | | | | 300 |
| H11520 | 1-1/4 | 31.8 | 2 | 1-3/4 | 44.5 | 65 | 225 | 50 |
| H11520-300R | | | | | | | | 300 |
| H11524 | 1-1/2 | 38.1 | 2 | 2 | 50.8 | 82 | 225 | 50 |
| H11524-300R | | | | | | | | 300 |

Air and Multipurpose Hose

Low Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

C

Easy Couple



Tube: Vinyl Nitrile (RMA Class A)

Reinforcement: Fiber, 1 Braid

Cover: Neoprene MSHA approved (BK), Vinyl Nitrile (BU,GY,RD,YW,GN)

Color: Black (BK), Gray (GY), Blue (BU), Red (RD), Green (GN) & Yellow (YW)

Temperature Range: -40°F To +200°F

Type Of Branding: Ink Print

Working Pressure: 250 psi

Type Of Coupling: 100 'B' Series, Aeroquip Socketless, Barbed Inserts, Quick Acting, Long Shank, or Push on Couplings (clamps not required). Clamps—Interlocking, Bolt, or Band.

Features:

- Neoprene cover
Vinyl nitrile cover
- Nitrile tube (RMA class A)
- Continuous permanent brand
- Six colors
- Lightweight & flexible
- Easily coupled
- Braid reinforcement

Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Color code air systems
- Easy to handle
- Use push-on couplings; no need for clamps
- Better coupling retention for impulse applications

Markets:

- Assembly/Manufacturers
- Mining
- Construction industry
- Plastic molding


Applications:

- Pneumatic tools on production line; convey air, water, oils, etc.; transfer lubricated air to valves and cylinders; low pressure hydraulics
- Black hose cover only has been accepted by MSHA (2G-13C) for underground use in lube oil lines, pneumatic, and low pressure hydraulics

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | BRAID | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | MIN. BEND RADIUS (IN.) | STANDARD LENGTH (FT) |
|----------------|--------------------|------|-------|--------------------|------|---------------------------------|---------------------------|------------------------|------------------------|
| H20104 | 1/4 | 6.3 | 1 | 1/2 | 12.7 | 8 | 250 | 3 | 50(GY,BU,RD,GN,YW,BK) |
| H20104-250R | | | | | | | | | 250(GY,BU,RD,GN,YW,BK) |
| H20104-500R | | | | | | | | | 500(GY,BU,RD,GN,YW,BK) |
| H20106 | 3/8 | 9.5 | 1 | 21/32 | 16.7 | 13 | 250 | 3 | 50(GY,BU,RD,GN,YW,BK) |
| H20106-250R | | | | | | | | | 250(GY,BU,RD,GN,YW,BK) |
| H20106-500R | | | | | | | | | 500(GY,BU,RD,GN,YW,BK) |
| H20108 | 1/2 | 12.7 | 1 | 3/4 | 19.1 | 15 | 250 | 5 | 50(GY,BU,RD,GN,YW,BK) |
| H20108-250R | | | | | | | | | 250(GY,BU,RD,GN,YW,BK) |
| H20108-500R | | | | | | | | | 500(GY,BU,RD,GN,YW,BK) |
| H20110-250R | 5/8 | 15.9 | 1 | 15/16 | 23.8 | 20 | 250 | 6 | 250(GY,BU,RD,GN,YW,BK) |
| H20112-250R | 3/4 | 19.1 | 1 | 1-1/16 | 27.0 | 26 | 250 | 7 | 250(GY,BU,RD,GN,YW,BK) |

Air and Multipurpose Hose

Low Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

Shock-Safe



Tube: Nitrile (non-conductive)
Reinforcement: Fiber, 2 Braid
Cover: Vinyl Nitrile (non-conductive)
Color: Red
Temperature Range: -40°F To +180°F

Type Of Branding: Ink Print
Working Pressure: 275 psi
Type Of Coupling: 'U' Series, TTC, 'Z' Series, Barbed Inserts, Quick Acting, Long Shank, or Steel Nipple. Clamps—Brass Collar, Interlocking, Single Bolt, Band or Wire.

Features:

- Vinyl nitrile cover
- Nitrile tube
- Continuous permanent brand
- Non-conductive
- Each reel factory tested to exceed minimum electrical resistivity of one megaohm per inch at 1000 volts D.C.

Advantages:

- Abrasion, oil, and weather resistant
- Medium oil resistance
- Easy identification
- Suitable for use around electrical equipment
- Safety

Markets:

- Metal working
- Utility company
- Aluminum industry


Applications:

- Use as general purpose air/water hose where hoses must be non-conductive

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | BRAID | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | STANDARD REELS (FT) |
|----------------|--------------------|------|-------|--------------------|------|---------------------------------|---------------------------|---------------------|
| H994904-500R | 1/4 | 6.3 | 2 | 19/32 | 15.1 | 15 | 275 | 500 |
| H994906-500R | 3/8 | 9.5 | 2 | 23/32 | 18.3 | 19 | 275 | 500 |
| H994908-500R | 1/2 | 12.7 | 2 | 7/8 | 22.2 | 27 | 275 | 500 |
| H994912-500R | 3/4 | 19.1 | 2 | 1-5/32 | 29.4 | 41 | 275 | 500 |
| H994916-300R | 1 | 25.4 | 2 | 1-7/16 | 36.5 | 64 | 275 | 300 |

Air and Multipurpose Hose

Low Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

C

Perfection 300



Tube: Nitrile (RMA Class A)

Reinforcement: Fiber, 1 or 2 Braid

Cover: Vinyl Nitrile

Color: Red

Temperature Range: -40°F To +180°F

Type Of Branding: Ink Print

Working Pressure: 325 psi

Type Of Coupling: 'U' Series or 430 'U' Series, TTC, 'Z' Series, Long Shank, Standard Serrated Nipple or Steel Nipple. Clamps —Interlocking or Bands.

Features:

- Vinyl nitrile cover
- Nitrile tube (RMA class A)
- Continuous permanent brand
- Multi-purpose hose
- High working pressure
- Braided reinforcement

Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Wide variety of applications
- Rugged; long life
- Better coupling retention for impulse applications

Markets:

- Assembly/Manufacturers
- Construction industry
- Forest industry
- Metal working
- Mining
- Ship building


Applications:

- Pneumatic tools on production line; convey air and water
- Provide power to air operated equipment
- Convey air and water

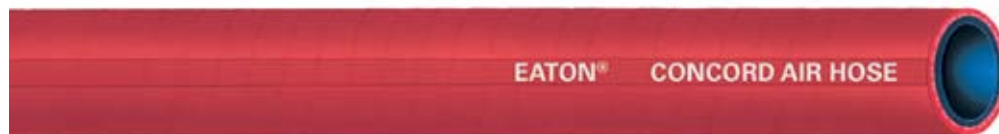
| PRODUCT NUMBER | NOMINAL I.D. (IN.) (MM) | | BRAID | NOMINAL O.D. (IN.) (MM) | | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | STANDARD LENGTH (FT) |
|----------------|-------------------------|------|-------|-------------------------|------|---------------------------------|---------------------------|----------------------|
| H177704-500R | 1/4 | 6.3 | 1 | 1/2 | 12.7 | 11 | 325 | 500 |
| H177604-500R | 1/4 | 6.3 | 2 | 19/32 | 15.1 | 15 | 325 | 500 |
| H177705-500R | 5/16 | 7.9 | 1 | 5/8 | 15.9 | 17 | 325 | 500 |
| H177706-500R | 3/8 | 9.5 | 1 | 21/32 | 16.7 | 17 | 325 | 500 |
| H177606-500R | 3/8 | 9.5 | 2 | 23/32 | 18.3 | 20 | 325 | 500 |
| H177708-500R | 1/2 | 12.7 | 1 | 13/16 | 20.6 | 24 | 325 | 500 |
| H177608-500R | 1/2 | 12.7 | 2 | 7/8 | 22.2 | 31 | 325 | 500 |
| H177610-500R | 5/8 | 15.9 | 2 | 1 | 25.4 | 36 | 325 | 500 |
| H177612-500R | 3/4 | 19.1 | 2 | 1-5/32 | 29.4 | 44 | 325 | 500 |
| H177616-300R | 1 | 25.4 | 2 | 1-7/16 | 36.5 | 46 | 325 | 300 |
| H177620-300R | 1-1/4 | 31.8 | 2 | 1-3/4 | 44.5 | 65 | 325 | 300 |
| H177624-300R | 1-1/2 | 38.1 | 2 | 2 | 50.8 | 82 | 325 | 300 |

Air and Multipurpose Hose

Medium Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

Concord Air



Tube: Nitrile

Reinforcement: Fiber, 2 Braid or 2 Ply

Cover: Neoprene 1/2", 3/4" & 1" Pinpricked
Vinyl Nitrile 1-1/4", 1-1/2", 2" & 3" Pinpricked

Color: Red

Temperature Range: -40°F To +200°F

Type Of Branding: Embossed

Working Pressure: 200-400 psi

Type Of Coupling: 'U' Series or 430 'U' Series, TTC, 'Z' Series, Interlocking, Non-Reattachable (Swaged), Quick Acting, Long Shank, Steel Nipple. Clamps —Interlocking or Bands.

Features:

- Neoprene cover
- Nitrile tube
- Continuous permanent brand
- Two textile braids or ply

Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Easy to handle
- Kink resistant

Markets:

- Construction industry
- Forest industry
- Metal working
- Mining

Applications:


- Provide power to air-operated construction equipment
- Transfer air and water
- Power air-operated drills, boring, and mining equipment

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | NOMINAL I.D. (MM) | REINF. | NOMINAL O.D. (IN.) | NOMINAL O.D. (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | MTO* MIN. ORDER QTY. | STANDARD LENGTH (FT) |
|----------------|--------------------|-------------------|--------|--------------------|-------------------|---------------------------------|---------------------------|----------------------|----------------------|
| H600208 | 1/2 | 12.7 | 2 Br | 29/32 | 23.0 | 31 | 400 | — | 50 |
| H600208-100 | | | | | | | | | 100 |
| H600208-150 | | | | | | | | | 150 |
| H600212 | 3/4 | 19.1 | 2 Br | 1-3/16 | 30.2 | 46 | 400 | — | 50 |
| H600212-100 | | | | | | | | | 100 |
| H600212-150 | | | | | | | | | 150 |
| H600216 | 1 | 25.4 | 2 Br | 1-1/2 | 38.1 | 67 | 400 | — | 50 |
| H600216-100 | | | | | | | | | 100 |
| H600216-150 | | | | | | | | | 150 |
| H600220 | 1-1/4 | 31.8 | 2 Ply | 1-13/16 | 46.0 | 86 | 400 | — | 50 |
| H600220-100 | | | | | | | | | 100 |
| H600220-150 | | | | | | | | | 150 |
| H600224 | 1-1/2 | 38.1 | 2 Ply | 2-1/16 | 52.4 | 99 | 400 | — | 50 |
| H600224-100 | | | | | | | | | 100 |
| H600224-150 | | | | | | | | | 150 |
| H600232 | 2 | 50.8 | 2 Ply | 2-5/8 | 66.7 | 127 | 300 | — | 50 |
| H600232-100 | | | | | | | | | 100 |
| H600232-150 | | | | | | | | | 150 |
| H600248 | 3 | 76.2 | 2 Ply | 3-9/16 | 90.49 | 192 | 200 | 600 | 50 *600 |
| H600248-100 | | | | | | | | | 150 *600 |
| H600248-150 | | | | | | | | | 150 *600 |

*MTO—Made To Order

Air and Multipurpose Hose

Medium Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

C

Mineforce



Tube: Modified Vinyl

Reinforcement: Fiber, 4 Spiral

Cover: PVC/Nitrile Blend Wrapped Impression Finish

Color: Yellow

Temperature Range: -20°F To +150°F

Type Of Branding: Ink Print

Working Pressure: 400 psi

Type Of Coupling: 'U' Series, 'Z' Series, TTC with 3/4", Interlocking, Non-Reattachable Quick Acting, Long Shank, or Steel Nipple. Clamps —Interlocking, (Swaged).

Do not use internal expanded couplings.

Features:

- Lightweight
- Flexible
- Bright yellow cover
- Modified vinyl tube
- Rubber modified thermoplastic cover
- Packaged in 50 & 100 foot lengths
- Factory tested to exceed minimum electrical resistivity of one megohm per inch at 1000 volts D.C.

Advantages:

- Easy to handle
- Easy to route
- Very visible; safety
- Moderate oil resistance
- Abrasion, age, ozone & moderate oil resistance
- Exact lengths; no waste

Markets:

- Mining
- Construction
- Ship building
- Paper/Pulp processing
- Food processing

Applications:

- High pressure air tools
- Transfer air and water
- Water supply
- Water washdown


| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | SPIRAL | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | MTO* MIN. ORDER QTY. | STANDARD LENGTH (FT) |
|----------------|--------------------|------|--------|--------------------|------|---------------------------------|---------------------------|----------------------|----------------------|
| H157108-100 | 1/2 | 12.7 | 4 | 5/16 | 7.9 | 30 | 400 | 5,000 | 100 |
| H157112 | 3/4 | 19.1 | 4 | 1-3/16 | 30.2 | 40 | 400 | — | 50 |
| H157112-100 | | | | | | | | | 100 |
| H157116 | 1 | 25.4 | 4 | 1-15/32 | 37.3 | 55 | 400 | 5,000 | 50 |
| H157116-100 | | | | | | | | | 100 |

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. See chart on page A-12 showing the relationship between working pressure and temperature for reinforced PVC hose.

*MTO—Made To Order

Air and Multipurpose Hose

High Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

Concord Yellow Jack



Tube: Nitrile (RMA Class A)
Reinforcement: Wire, 1, 2, or 3 Braid
Cover: Neoprene/Pinpricked MSHA Approved
Color: Yellow
Temperature Range: -40°F To +200°F
Type Of Branding: Embossed

Working Pressure: 400-1500 psi
Type Of Coupling: 430 'U' Series, TTC, 'Z' Series, TTC12 (3/4" ID only), Swaged/Crimped, Interlocking, or Steel Nipple. Clamps —Interlocking.
Branding: Eaton Concord Yellow Jack Air

Features:

- Neoprene cover
- Nitrile tube (RMA class A)
- Continuous permanent brand
- Wide range of sizes

Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Many applications

Markets:

- Construction industry
- Oil field equipment
- Drilling equipment
- Mining

Applications:


- Provide power to air-operated construction equipment. (Bull lines, jackhammer, etc.)
- Power air-operated drills, boring, and mining equipment

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | BRAID | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | STANDARD LENGTH (FT) |
|----------------|--------------------|-------|-------|--------------------|-------|---------------------------------|---------------------------|----------------------|
| H600808 | 1/2 | 12.7 | 1 | 31/32 | 24.6 | 40 | 1,500 | 50 |
| H600812 | 3/4 | 19.1 | 1 | 1-1/4 | 31.8 | 62 | 1,200 | 50 |
| H600812-100 | | | | | | | | 100 |
| H600812-150 | | | | | | | | 150 |
| H600816 | 1 | 25.4 | 1 | 1-1/2 | 38.1 | 80 | 1,000 | 50 |
| H600816-100 | | | | | | | | 100 |
| H600816-150 | | | | | | | | 150 |
| H600820 | 1-1/4 | 31.8 | 1 | 1-13/16 | 46.0 | 122 | 650 | 50 |
| H600820-100 | | | | | | | | 100 |
| H600820-150 | | | | | | | | 150 |
| H600824 | 1-1/2 | 38.1 | 2 | 2-1/8 | 53.9 | 143 | 600 | 50 |
| H600824-100 | | | | | | | | 100 |
| H600824-150 | | | | | | | | 150 |
| H600832 | 2 | 50.8 | 2 | 2-21/32 | 67.4 | 216 | 600 | 50 |
| H600832-100 | | | | | | | | 100 |
| H600832-150 | | | | | | | | 150 |
| H600840 | 2-1/2 | 63.5 | 2 | 3-5/32 | 80.1 | 240 | 400 | 50 |
| H600840-100 | | | | | | | | 100 |
| H600840-150 | | | | | | | | 150 |
| H600848 | 3 | 76.2 | 2 | 3-23/32 | 94.4 | 310 | 400 | 50 |
| H600848-100 | | | | | | | | 100 |
| H600848-150 | | | | | | | | 150 |
| H600864 | 4 | 101.6 | 3 | 5 | 127.0 | 579 | 400 | 50 *MTO 600 |
| H600864-100 | | | | | | | | 100 *MTO 600 |
| H600864-150 | | | | | | | | 150 *MTO 600 |

*MTO—Made To Order

Air and Multipurpose Hose

High Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

C

Contractors Air



Tube: Nitrile (RMA Class A)

Reinforcement: Wire, 1 or 2 Braid

Cover: Neoprene/Pinpricked

Color: Yellow

Temperature Range: -40°F To +200°F

Type Of Branding: Ink Print

Working Pressure: 500-1000 psi

Type Of Coupling: 430 'U' Series, TTC, 'Z' Series, TTC12 with 1/2", Non-Reattachable (Swaged), Interlocking, or Steel Nipple. Clamps —Interlocking.

Features:

- Neoprene cover
- Nitrile tube (RMA class A)
- Continuous permanent brand
- Wide range of sizes

Advantages:

- Abrasion, oil, and weather resistant
- Good oil resistance
- Easy identification
- Many applications

Markets:

- Construction industry
- Oil Field equipment
- Drilling equipment
- Mining


Applications:

- Provide power to air-operated construction equipment. (Bull lines, jackhammer, etc.)
- Power air-operated drills, boring, and mining equipment

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | BRAID | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | STANDARD LENGTH (FT) |
|----------------|--------------------|------|-------|--------------------|------|---------------------------------|---------------------------|----------------------|
| H962208 | 1/2 | 12.7 | 1 | 15/16 | 23.8 | 34 | 1,000 | 50 |
| H962208-100 | | | | | | | | 100 |
| H962208-150 | | | | | | | | 150 |
| H962212 | 3/4 | 19.1 | 1 | 1-3/16 | 30.2 | 44 | 1,000 | 50 |
| H962212-100 | | | | | | | | 100 |
| H962212-150 | | | | | | | | 150 |
| H962216 | 1 | 25.4 | 1 | 1-1/2 | 38.1 | 61 | 850 | 50 |
| H962216-100 | | | | | | | | 100 |
| H962216-150 | | | | | | | | 150 |
| H962220 | 1-1/4 | 31.8 | 1 | 1-23/32 | 43.7 | 81 | 500 | 50 |
| H962220-100 | | | | | | | | 100 |
| H962220-150 | | | | | | | | 150 |
| H962224 | 1-1/2 | 38.1 | 2 | 2-1/8 | 53.9 | 150 | 500 | 50 |
| H962224-100 | | | | | | | | 100 |
| H962224-150 | | | | | | | | 150 |
| H962232 | 2 | 50.8 | 2 | 2-21/32 | 67.4 | 204 | 500 | 50 |
| H962232-100 | | | | | | | | 100 |
| H962232-150 | | | | | | | | 150 |

Air and Multipurpose Hose

High Working Pressure

 Refer to warnings and safety information on pages A-1 thru A-2 and page C-2.

Boston Bulldog Gold



Tube: Nitrile (RMA Class A)

Reinforcement: Wire, 1, 2, or 3 Braid

Cover: Carboxylated Nitrile/Pinpricked

Color: Black

Temperature Range: -40°F To +250°F

Type Of Branding: Printed Strip

Working Pressure: 500-1200 psi

Type Of Coupling: TTC, 'Z' Series, 430 'U' Series, Non-Reattachable (Swaged), Interlocking, or Steel Nipple. Clamps —Interlocking.

Features:

- Carboxylated nitrile cover
- Nitrile tube (RMA class A)
- Continuous permanent brand

Advantages:

- Excellent abrasion, oil, and weather resistant
- Excellent lube oil resistance and high temperature resistance
- Easy identification

Markets:

- Construction industry
- Oil field equipment
- Drilling equipment
- Mining
- All markets

Applications:

- Provide power to air-operated construction equipment. (Bull lines, jackhammer, etc.)
- Power air-operated drills, boring, and mining equipment
- Use when you need a reinforced hose for extremely abusive applications

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | I.D. (MM) | BRAID | NOMINAL O.D. (IN.) | O.D. (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | MTO* MIN. ORDER QTY. | STANDARD LENGTH (FT) |
|----------------|--------------------|-----------|-------|--------------------|-----------|---------------------------------|---------------------------|----------------------|----------------------|
| H600916 | 1 | 25.4 | 1 | 1-1/2 | 38.1 | 80 | 1,000 | 1,500 | 50 |
| H600916-100 | | | | | | | | | 100 |
| H600916-150 | | | | | | | | | 150 |
| H600920 | 1-1/4 | 31.8 | 1 | 1-13/16 | 46.0 | 120 | 800 | 1,200 | 50 |
| H600920-100 | | | | | | | | | 100 |
| H600920-150 | | | | | | | | | 150 |
| H600924 | 1-1/2 | 38.1 | 2 | 2-1/8 | 53.9 | 134 | 600 | — | 50 |
| H600924-100 | | | | | | | | | 100 |
| H600924-150 | | | | | | | | | 150 |
| H600932 | 2 | 50.8 | 2 | 2-21/32 | 67.4 | 197 | 600 | — | 50 |
| H600932-100 | | | | | | | | | 100 |
| H600932-150 | | | | | | | | | 150 |
| H600940 | 2-1/2 | 63.5 | 2 | 3-5/32 | 80.1 | 250 | 600 | — | 50 |
| H600940-100 | | | | | | | | | 100 |
| H600940-150 | | | | | | | | | 150 |
| H600948 | 3 | 76.2 | 2 | 3-23/32 | 94.4 | 315 | 600 | — | 50 |
| H600948-100 | | | | | | | | | 100 |
| H600948-150 | | | | | | | | | 150 |
| H600964 | 4 | 101.6 | 3 | 5 | 127.0 | 532 | 500 | — | 50 |
| H600964-100 | | | | | | | | | 100 |
| H600964-150 | | | | | | | | | 150 |

*MTO—Made To Order

Air and Multipurpose Hose

Notes

C