# Material Handling Hose

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# Material Handling Hose

## Intro

**Important Material Handling 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:** Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

**MATERIAL HANDLING HOSE BENEFITS**

- 4:1 Safety Factor (Burst: Working Pressure)
- Safer operation. Longer hose life

**Environmental Resistance**

- The tube and cover materials of the Eaton "Big Cats" are designed to assure maximum life and top value. They are sophisticated hoses for demanding jobs.

**Built to Make Work Faster, Easier and Safer**

- Moving and connecting hose several times a day isn't easy work. Each of the "Big Cats" is designed to be as easy to handle as safety and job performance will allow.

**Honest Value**

- There is only one way to make hose cost less—build it cheaper. You won't find compromises in the "Big Cats." That's why we put the Eaton brand name on them.

**Job Related Construction Service**

- Eaton makes a variety of hose styles for material handling applications. Each product is manufactured utilizing the components and construction which make it best suited for the job to be performed.

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# Material Handling Hose

## Dry Bulk Transfer

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

### Lynx Softwall Dry Material

**Tube:** Natural Rubber/SBR Blend (3/16" tube thickness) Static Dissipating

**Reinforcement:** Fiber, 2 Spiral

**Cover:** SBR

**Color:** Black

**Temperature Range:** -10°F To +150°F

**Type Of Branding:** Printed Strip

**Working Pressure:** 50 psi (Depending on coupling)

**Type Of Coupling:** Cam and Groove, or Combination Nipple. Clamps—Band.

**Features:**

- SBR cover
- Natural rubber/SBR blend tube 3/16" thick
- Conductive tube
- Continuous printed brand
- Available in longer lengths
- Soft wall hose

**Advantages:**

- Abrasion, age and weather resistant
- Static dissipating
- Easy identification
- Economical; less waste
- Folds flat for easy storage

**Markets:**

- Tank truck
- In-plant transfer
- Bottling plant
- Coal plant

**Applications:**

- Transfer of dry bulk (cement, sand, lime, etc.); discharge of any abrasive materials
- Transfer of bottle caps
- Transfer of cleaning agents

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | SPIRAL | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | STANDARD LENGTH (FT) |
|---|---|---|---|---|---|---|---|---|
| H031964-100 | 4 | 101.6 | 2 | 4-5/8 | 117.5 | 225 | 50 | 100 |

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# Material Handling Hose

## Dry Bulk Transfer

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

### Lynx HD Softwall Dry Material

**Tube:** Natural Rubber/SBR Blend (1/4" tube thickness) Static Dissipating

**Reinforcement:** Fiber, 2 Spiral

**Cover:** SBR

**Color:** Black

**Temperature Range:** -10°F To +150°F

**Type Of Branding:** Printed Strip

**Working Pressure:** 50 psi (Depending on coupling)

**Type Of Coupling:** Cam and Groove, or Combination Nipple. Clamps—Band.

**Features:**

- SBR cover
- Natural rubber/SBR blend tube 1/4" thick
- Conductive tube
- Continuous printed brand
- Available in longer lengths
- Soft wall hose

**Advantages:**

- Abrasion, age and weather resistant
- Static dissipating
- Easy identification
- Economical; less waste
- Folds flat for easy storage

**Markets:**

- Tank truck
- In-plant transfer
- Bottling plant
- Coal plant

**Applications:**

- Transfer of dry bulk (cement, sand, lime, etc.); discharge of any abrasive materials
- Transfer of bottle caps
- Transfer of cleaning agents

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| H052164-100 | 4 | 101.6 | 2 | 4-13/16 | 122.2 | 300 | 50 | — | 100 |
| H052180-150 | 5 | 127 | 2 | 5-7/8 | 149.2 | 320 | 50 | 450 | 150 |

**MTO - Made to Order*

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# Material Handling Hose

## Dry Bulk Transfer

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

### Sabertooth Dry Material

**Tube:** Natural Rubber/SBR Blend
Static Dissipating

**Reinforcement:** Fiber, 4 Spiral and Helical Wire

**Cover:** SBR

**Color**: Black

**Temperature Range:** -10°F To +160°F

**Type Of Branding:** Printed Strip

**Suction:** Full Vacuum

**Working Pressure:** 100 psi (Depending on coupling)

**Type Of Coupling:** Cam and Groove, or Combination Nipple. Clamps—Band.

**Features:**

- SBR cover
- Natural rubber/SBR blend tube
- Conductive tube
- Continuous printed brand
- Available in longer lengths

**Advantages:**

- Abrasion, age and weather resistant
- Static dissipating
- Easy identification
- Economical; less waste

**Markets:**

- Tank truck
- In-plant transfer
- Bottling plant
- Coal plant

**Applications:**

- Transfer of dry bulk (cement, sand, lime, plastics, animal feed, etc.); suction/discharge of any abrasive materials
- Transfer of bottle caps
- Transfer of cleaning agents

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | SPIRAL | NOMINAL O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | MIN. BEND RADIUS (IN.) | (MM) | STANDARD LENGTH (FT) |
|---|---|---|---|---|---|---|---|---|---|---|
| H034748-100 | 3 | 76.2 | 4 | 4 | 101.6 | 320 | 100 | 9 | 228.6 | 100 |
| H034764-100 | 4 | 101.6 | 4 | 5 | 127.0 | 440 | 100 | 11 | 279.4 | 100 |

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# Material Handling Hose

## Hot Air Transfer

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

### Wildcat Hot Air

**Tube:** EPDM
**Reinforcement:** Fiber, 4 Spiral or 2 Ply and Helical Wire
**Cover:** EPDM/Pinpricked
**Color:** Brown
**Temperature Range:** -45°F to 300°F
**Type Of Branding:** Printed Strip

**Suction:** Full Vacuum
**Working Pressure:** 100-150 psi (Depending on coupling)
**Type Of Coupling**: Cam and Groove, or Combination Nipple. Clamps—Band.

**Features:**
- EPDM cover
- EPDM tube
- Continuous printed brand/brown color
- Longer lengths
- Pin pricked

**Advantages:**
- Abrasion, heat and weather resistant
- Heat resistant (intermittent service to 350˚F)
- Easy identification
- Economical; less waste
- Hot air permeation

**Markets:**
- Tank trucks
- In-plant transfer
- Construction

**Applications:**
- Hot air blower hose; hot, dry, non-oily air applications

| PRODUCT NUMBER | NOMINAL I.D. (IN.) | (MM) | REINF. | O.D. (IN.) | (MM) | APPROX. LBS. WEIGHT PER 100 FT. | MAX. WORKING PRESS. (PSI) | MINIMUM BEND RADIUS (IN.) | (MM) | STANDARD LENGTH |
|---|---|---|---|---|---|---|---|---|---|---|
| H034948-100 | 3 | 76.2 | 4 Sp | 3-47/64 | 94.9 | 230 | 150 | 9 | 228.6 | 100 |
| H034964 | 4 | 101.6 | 2 Ply | 4-39/64 | 117.1 | 290 | 100 | 11 | 279.4 | 50 |
| H034964-100 | | | | | | | | | | 100 |
| H034964-150 | | | | | | | | | | 150 |

*Heat resistant (intermittent service to 350°F).*

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