Eaton Industrial Hose Global Catalog

Delivering powerful solutions.

EATON
Powering Business Worldwide

NAHAD
Industrial Hose
Listed Manufacturer

Important — User Responsibility

The user should carefully observe the precautions listed in this catalog or brochure, including the recommendations on the selection of hose and fittings on the relevant pages on fluid compatibility. In addition, care should be taken not to exceed the minimum bend radius listed for each hose size and type in the hose section. Maximum operating pressure should not exceed pressures listed in the hose data. Instructions for assembling fittings to different hose should be followed carefully to ensure the performance of the completed assembly.

WARNING Application considerations must be observed in selecting appropriate components for the application of these products contained herein. The failure to follow the recommendations set forth in this catalog may result in an unstable application which may result in serious personal injury or property damage.

WARNING Eaton corporation or any of its affiliates or subsidiaries shall not be subject to and disclaims any obligations or liabilities (including but not limited to all consequential, incidental and contingent damages) arising from tort claims (including without limitation negligence and strict liability) or other theories of law.

Failure to follow these processes and product instructions and limitations could lead to premature hose assembly failures resulting in property damage, serious injury or death.

Product Warranty

The Eaton Hydraulics warranty policy is located at
www.hydraulics.eaton.com/warranty

Eaton Industrial Hose Products

Reliable Solutions

When you work with Eaton, you can count on a comprehensive range of products that are designed for harsh and hazardous operating environments that are part of the day-to-day requirements of your industry. Eaton delivers safe and reliable products to help sustain mission-critical systems working every hour of every day.

- Dependable Solutions to Drive Your Performance
- Innovation to Take on the Toughest Challenges

Eaton Industrial Hose offers dependable parts and solutions to optimize Performance.

Reliable Solutions Service

Eaton Industrial Hose

Air and Multipurpose

Chemical

Material Handling

Petroleum

Steel Mill

Food and Beverage

Tank Truck

Refineries

Markets and Applications

- Dry bulk transfer
- Hot air blower
- High pressure cleaning
- Washdown of food processing
- Boat cleaning
- Sand blast cleaning
- Water suction and discharge
- Transfer of cleaning agents
- Fertilizer and pest control
- Hot tar pumping
- Nitrogen transfer
- Hydrocarbon drain
- Paint spray
- Rotary drilling on oil rigs
- Fuel Oil transfer
- Food & beverage dispensing
- Water and bilge lines
- Transfer of non-dairy products
- Bulk liquid transfer
- Acid & Chemical transfer
- Petroleum transfer and mixing
- Tank spinners
- Steam transfer

...and many more!

Application Data

Important Safety Information

Read this page before using any of the products/information in this catalog.

This catalog is designed to be used as a guide in selecting the proper hose for the applications listed herein. It contains many cautions, warnings, guidelines, and directions for the safe and proper use of Eaton Industrial hose. All these directions and footnotes should be read and understood before specifying or using any of these hoses.

Throughout this catalog, potentially harmful situations are highlighted with the following symbols.

This symbol is used to indicate imminently hazardous situations which, if not avoided, will result in serious injury or death.

This symbol is used to indicate potentially hazardous situations which, if not avoided, could result in serious injury or death.

This symbol is used to indicate potentially hazardous situations which, if not avoided, may result in property or equipment damage.

Some of the most common problems in the chemical hose industry result from improper hose and coupling selection, improper assembly techniques, failure to correctly inspect and test hose assemblies, and improper cleaning practices and hose assembly storage techniques.

In turn, these situations can lead to material leakage, spraying, spattering, end blow-offs, explosions, and other situations that may result in serious personal injury and property damage.

Personal injuries caused by improper hose assembly specification, installation, and usage could include cuts and abrasions, serious burns, irreparable eye damage, or even death. Therefore, for your safety and the safety of others working around you, Eaton strongly urges you to read and comply with all safety information printed in this publication.

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, and damage to property.

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.

Consult the coupling manufacturer to make sure you choose the correct coupling and proper assembly for the application, or contact Eaton Technical Support.

Before using any hose in this catalog, consult the safety section in this catalog and the guidelines on the Eaton web site for the most current information or contact for North America contact Eaton Technical Support 1-888-258-0222 for global support contact your local Eaton technical representative.

Selection of Hose

Selection of the proper Eaton Industrial hose for an application is essential to the proper operation and safe use of the hose and related equipment. Inappropriate hose selection may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage from spraying fluids or flying projectiles. To avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog. Some of the factors to consider in proper hose selection are known as **STAMPED:**

- **S - Size** (I.D., O.D. and length)
- **T - Temperature** of material conveyed and environmental
- **A - Application,** the conditions of use
- **M - Material** being conveyed, type and concentration
- **P - Pressure** to which the assembly will be exposed
- **E - Ends;** style, type, orientation, attachment methods, etc.
- **D - Delivery** testing, quality, packaging, and delivery requirements

These factors and the supplemental information contained in this catalog should be considered in selecting the proper hose for your application. If you have any questions regarding the proper hose for your application, please contact Eaton for North America contact Eaton Technical Support 1-888-258-0222 for global support contact your local Eaton technical representative.

Application Data

Important Safety Information

Proper Selection of Hose Ends

Selection of the proper Eaton Industrial hose end or coupling is essential to the proper operation and safe use of hose assemblies and related equipment. Inadequate attention to the selection of the end fittings may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage from spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from selection of an incompatible hose end or coupling, you should carefully review the information in this catalog. Some of the factors which are involved in the selection of the proper hose couplings are:

- fluid compatibility
- temperature
- installation design
- hose size
- corrosion requirements
- fluid conveyed

The given hose and hose end selection factors and the other information contained in this catalog should be considered by you in selecting the proper hose end fitting for your application.

If you have any questions regarding the use of hose/hose ends, for North America contact Eaton Technical Support 1-888-258-0222 for global support contact your local Eaton technical representative.

Hose Installation

Proper installation is essential to the proper operation and safe use of the hose assembly and related equipment.

Improper hose assembly installation may result in serious injury or property damage caused by spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from improper hose assembly installation carefully review the information in this catalog. Some of the factors to be considered when installing a hose assembly are:

- hose elongation or contraction
- proper bend radius/hose routing under pressure
- elbows and adapters to relieve strain
- protection from rub-bing or abrasion high temperature sources
- protection against excessive movement
- twisting from pressure spikes/surges

These hose assembly installation factors and the other information in this catalog should be considered by you before installing the hose assembly. If you have any questions regarding proper hose installation, for North America contact Eaton Technical Support 1-888-258-0222 for global support contact your local Eaton technical representative.

Hose Maintenance

Proper maintenance of the hose is essential to the safe use of the hose and related equipment. Hose should be stored in a dry place. Hose should also be visually inspected. Any hose that has a cut or gouge in the cover that exposes the reinforcement should be retired from service. Hoses should also be inspected for kinking or broken reinforcement. If the outside diameter of the hose is reduced by 20% or more, the hose should be repaired or removed from service. Inadequate attention to hose maintenance may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage from spraying fluids, flying projectiles, or other substances.

WARNING: Eaton industrial hose, should be used only with compatible/approved fittings and assembly equipment. Do not combine or use Aeroquip or Weatherhead fittings and assembly equipment with each other, i.e. Aeroquip fittings with Weatherhead assembly equipment, or with hose, hose fittings or assembly equipment supplied by another manufacturer. Eaton hereby disclaims any obligation or liability (including incidental and consequential damages) arising from breach or contract, warranty, or tort (under negligence or strict liability theories) should Aeroquip or Weatherhead hose fittings or assembly equipment be used interchangeably or with any fittings or assembly equipment supplied by another manufacturer, or in the event that product instructions for each specified hose assembly are not followed.

Hose Selection

Worksheet

Eaton recommends using the STAMPED process to aid in determining the correct hose and coupling for your application. This worksheet is designed to help you organize information for determining the best hose for a given application. The questions are based on the hose selection factors described earlier in this catalog.

When selecting a hose, always use this worksheet in conjunction with this catalog. Read all instructions concerning the hose you are selecting. If any questions arise contact Eaton Technical Support at 1-888-258-0222.

S - Size (I.D., O.D. and length)

T - Temperature of material conveyed and environmental

A - Application, the conditions of use

M - Material being conveyed, type and concentration

P - Pressure to which the assembly will be exposed

E - Ends; style, type, orientation, attachment methods, etc.

D - Delivery testing, quality, packaging, and delivery requirements

1. Size

Flow (cubic feet per minute) requirements? _____

See RMA Water Discharge table.

Hose I.D. requirements given the flow requirements? _____

Pressure drop? _____

Length requirements (excluding hose ends)? _____

2. Temperature

Temperature range of material to be transferred?

Min. _____ Max. _____ Average _____

Year-round external environment temperature range? _____

Cleaning temperature? _____

3. Application

If the application is new, what service is to be performed? _____

If it is an existing application, do not replace a failed hose without finding out the cause of the failure. The hose may have been specified incorrectly originally. Ask the following questions:

What hose was in use? _____

Why did it fail? _____

How long did the hose last? _____

Have the service conditions changed since the failed hose was installed? _____

Any movement during loading or unloading process such as flexing or other repetitive motion? _____

What other hose conditions exist in addition to the one at the failure point? _____

Was hose cleaned and dried prior to transferring the next material? _____

Examine other hoses in similar service to avoid unexpected failures. _____

4. Material: Compatibility & Environment

Internal and external environment consideration. Internal environment relates to the material being conveyed. External environment relates to anything originating from outside the hose.

Check all that apply.

- ☐ Abrasive materials (conveyants and external)
- ☐ Petroleum products (aromatics, aliphatics, etc.)
- ☐ Materials that could cut or gouge hose
- ☐ Solvents
- ☐ Ozone
- ☐ Acids/caustics
- ☐ Animal fats (oils)
- ☐ Sparking or flames
- ☐ Cleaning with steam

Material to be transferred? _____

Material concentration (%)? _____

What hose cleaning solution(s) will be used? _____

S - Size (I.D., O.D. and length)

T - Temperature of material conveyed and environmental

A - Application, the conditions of use

M - Material being conveyed, type and concentration

P - Pressure to which the assembly will be exposed

E - Ends; style, type, orientation, attachment methods, etc.

D - Delivery testing, quality, packaging, and delivery requirements

5. Pressure & Suction

What working pressure is required? _____

Are pressure surges involved in this application? How high? _____

What safety factor is required? _____

Is this a suction application? What vacuum rating is required? _____

6. Ends

End _____

Material _____

Attachment Method _____

7. Delivery

Qty. required _____ Date required _____ Pkg. requirements _____

Testing Required - ☐ No ☐ Yes If Yes, Type: _____

Certification Required - ☐ No ☐ Yes If Yes, Type: _____

Special Requirements/Other Information

Will the selected hose need to possess any of the following features:

Branding information needed on the hose? _____

Color coding? _____

Any special designations required by agencies or associations? _____

Will any regulatory agency approvals be required? If yes, which one(s)? _____

Non-conductive rubber needed to prevent transmittal of electricity? _____

Static wire or static-dissipating tube to prevent static electricity buildup and discharge sparks? _____

Pinpricked cover to resist blistering when transferring hot materials or air/gases under pressure? _____

Abrasion sleeve or guard? _____

Heat shield? _____

Sub-zero exposure resistance? _____

Special assembly requirements? _____

Continuous transfer service or intermittent service? _____

Flexibility: Do space restrictions exist where the hose will be used? _____

Bend Radius: of the hose relative to space in which hose will be used? _____

Considering the intended use of the hose, how flexible will it need to be (check one)?

☐ Extremely flexible ☐ Slightly flexible ☐ Not an issue

Weight: How will the hose be handled during use, if all? _____

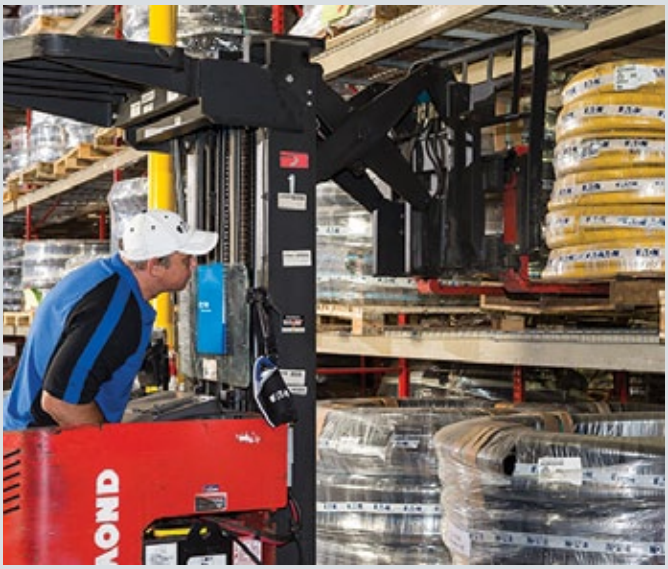
How important is the weight of the hose going to be in this application (check one)?

☐ Very important ☐ Slightly important ☐ Not an issue

Be sure to reference chemical compatibility recommendations in the Chemical Compatibility Charts starting on page O-1.

If you have any questions, please contact Eaton Technical Support at 1-888-258-0222.

Eaton Industrial Hose Reminder
Proper Hose Storage



Proper Storage of Hose Product

Proper storage conditions can enhance and extend substantially the ultimate life of hose product. Rubber hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials. The appropriate method of storing hose depends to a great extent on its size (diameter and length), and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the bottom. Since hose products vary considerably in size, weight and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as would a hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Notes

Air and Multipurpose

Air and Multipurpose

Introduction and Safety Information

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 "MULTIPURPOSE" 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 Safety Information

Important!

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 blowoffs, 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.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H6009 BULLDOG GOLD™

Construction:

Tube: Nitrile (RMA Class A)

Reinforcement:

1.00" - 1.25" 1-wire braid
1.50" - 3.00" 2-wire braid
4.00" 3-wire braid

Cover: Pin-pricked carboxylated nitrile

Operating Temperature:

-40°C to +121°C
(-40°F to +250°F)

Application:

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

Markets:

- Construction
- Mining
- Oil and gas exploration
- Water drilling
- Ship building

Type of Couplings:

- "U" Series
- TTC
- Union
- Boss male
- Ground joint female
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H600916		50	25	25,4	1.00	38,1	1.50	70	1000	275	4000	0,96	0.64		50
H600916-		100	25	25,4	1.00	38,1	1.50	70	1000	275	4000	0,96	0.64		100
H600920		50	31	31,8	1.25	46,0	1.81	55	800	220	3200	1,80	1.20		50
H600924		50	38	38,1	1.50	54,0	2.12	41	600	165	2400	2,01	1.34		50
H600924-		100	38	38,1	1.50	54,0	2.12	41	600	165	2400	2,01	1.34		100
H600932		50	51	50,8	2.00	67,5	2.66	41	600	165	2400	2,95	1.97		50
H600932-		100	51	50,8	2.00	67,5	2.66	41	600	165	2400	2,95	1.97		100
H600932-		150	51	50,8	2.00	67,5	2.66	41	600	165	2400	2,95	1.97		150
H600940		50	60	63,5	2.50	80,2	3.16	41	600	165	2400	3,75	2.50		50
H600940-		100	60	63,5	2.50	80,2	3.16	41	600	165	2400	3,75	2.50		100
H600948		40	80	76,2	3.00	94,5	3.72	41	600	165	2400	4,72	3.15		50
H600948-		100	80	76,2	3.00	94,5	3.72	41	600	165	2400	4,72	3.15		100
H600964		50	102	101,6	4.00	127,0	5.00	35	500	138	2000	7,97	5.32		50
H600964-		100	102	101,6	4.00	127,0	5.00	35	500	138	2000	7,97	5.32		100
H600964-		150	102	101,6	4.00	127,0	5.00	35	500	138	2000	7,97	5.32		150

Air and Multipurpose

High Pressure Air

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H6008 BULLDOG YELLOW JACK™

Construction:

Tube: Vinyl nitrile (RMA Class A)

Reinforcement:

0.50″ – 1.25″ 1-wire braid
1.50″ – 3.00″ 2-wire braid
4.00″ 3-wire braid

Cover: Pin-pricked neoprene MSHA approved

Operating Temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:

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

Markets:

- Oil and gas exploration
- Metal working
- Construction
- Mining

Type of Couplings:

- "U" Series
- "Z" Series
- Boss
- Ground joint
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H600808		50	12	12,7	0.50	24,6	0.97	103	1500	420	6000	0,60	0.40		50
H600808-100		100	12	12,7	0.50	24,6	0.97	103	1500	420	6000	0,60	0.40		100
H600812-100		100	19	19,0	0.75	31,7	1.25	83	1200	335	4800	1,00	0.67		100
H600816		50	25	25,4	1.00	38,1	1.50	69	1000	280	4000	1,27	0.85		50
H600816-100		100	25	25,4	1.00	38,1	1.50	69	1000	280	4000	1,27	0.85		100
H600820		50	31	31,8	1.25	46,0	1.81	45	650	182	2600	1,87	1.25		50
H600824		50	38	38,1	1.50	54,0	2.12	42	600	168	2400	2,49	1.66		50
H600824-100		100	38	38,1	1.50	54,0	2.12	42	600	168	2400	2,49	1.66		100
H600832		50	51	50,8	2.00	67,4	2.66	42	600	168	2400	3,09	2.06		50
H600832-100*		100	51	50,8	2.00	67,4	2.66	42	600	168	2400	3,09	2.06		100
H600840		50	60	63,5	2.50	80,2	3.16	28	400	112	1600	3,66	2.44		50
H600840-100*		100	60	63,5	2.50	80,2	3.16	28	400	112	1600	3,66	2.44		100
H600848		50	80	76,2	3.00	94,5	3.72	28	400	112	1600	4,15	2.77		50
H600848-100		100	80	76,2	3.00	94,5	3.72	28	400	112	1600	4,15	2.77		100
H600864		50	102	101,6	4.00	126,9	4.99	28	400	112	1600	6,43	4.29		50

* 150 ft. length available

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA500 High Pressure Air

Construction:

Tube: Oil-resistant synthetic NBR / SBR rubber

Reinforcement: High-tensile steel wire

Cover: Pin-pricked SBR/ EPDM blend

Operating Temperature:

-40°C to +93°C
(-40°F to +200°F)

Application:

- High-pressure air

Markets:

- Construction
- Oil field equipment
- Drilling equipment
- Mining
- Rental industry
- Steel
- Paper

Type of Couplings:

- Boss
- Ground joint
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA500-08YW-	MXX	100	12	12,7	0.50	23,0	0.91	41	600	165	2400	0,51	0.34	40-61	100
EHA500-12YW-	MXX	100	19	19,0	0.75	29,5	1.16	41	600	165	2400	0,62	0.42	40-61	100
EHA500-16YW-	MXX	100	25	25,4	1.00	36,0	1.42	41	600	165	2400	0,88	0.59	40-61	100
EHA500-20YW-	MXX	100	31	31,8	1.25	43,0	1.69	41	600	165	2400	1,12	0.75	40-61	100
EHA500-24YW-	MXX	100	38	38,1	1.50	50,0	1.97	41	600	165	2400	1,55	1.04	40-61	100
EHA500-32YW-	MXX	100	51	50,8	2.00	66,0	2.60	41	600	165	2400	2,51	1.69	40-61	100
EHA500-40YW-	MXX	100	60	63,5	2.50	80,0	3.15	41	600	165	2400	3,36	2.26	40-61	100
EHA500-48YW-	MXX	100	80	76,2	3.00	93,9	3.70	41	600	165	2400	4,49	3.02	40-61	100
EHA500-64YW-	MXX	100	102	101,6	4.00	122,0	4.80	41	600	165	2400	6,77	4.55	40-61	100

**50 ft. length also available and black cover available on a MTO basis

Air and Multipurpose

High Pressure Air

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9622 CONTRACTORS AIR™

Construction:

Tube: Nitrile (RMA Class A)

Reinforcement:

0.50″ – 1.25″ 1-wire braid
1.50″ – 3.00″ 2-wire braid

Cover: Pin-pricked neoprene

Operating Temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:

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

Markets:

- Oil and gas exploration
- Metal working
- Construction
- Mining

Type of Couplings:

- "U" Series
- "Z" Series
- Boss
- Ground joint
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H962208-		50	12	12,7	0.50	23,8	0.94	70	1000	275	4000	0,51	0.34		50
H962208-		100	12	12,7	0.50	23,8	0.94	70	1000	275	4000	0,51	0.34		100
H962212		50	19	19,0	0.75	30,2	1.19	70	1000	275	4000	0,65	0.44		50
H962212-*		100	19	19,0	0.75	30,2	1.19	70	1000	275	4000	0,65	0.44		100
H962216		50	25	25,4	1.00	38,1	1.50	660	850	235	3400	0,91	0.61		50
H962216-*		100	25	25,4	1.00	38,1	1.50	60	850	235	3400	0,91	0.61		100
H962220		50	31	31,8	1.25	43,7	1.72	35	500	138	2000	1,20	0.81		50
H962220-*		100	31	31,8	1.25	43,7	1.72	35	500	138	2000	1,20	0.81		100
H962224		50	38	38,1	1.50	53,9	2.12	35	500	138	2000	2,23	1.50		50
H962224-		100	38	38,1	1.50	53,9	2.12	35	500	138	2000	2,23	1.50		100
H962232		50	51	50,8	2.00	67,4	2.65	35	500	138	2000	3,03	2.04		50
H962232-*		100	51	50,8	2.00	67,4	2.65	35	500	138	2000	3,03	2.04		100

* 150 ft. length available

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA502 Heavy Duty Air

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(13°F to +158°F)

Application:

- Heavy-duty air service

Markets:

- Construction
- Mining
- Oil and gas exploration
- Drilling equipment
- Rental industry
- Steel
- Quarries

Type of Couplings:

- Boss male
- Ground joint female
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA502-08YW-	MXX	100	12	12,7	0.50	23,0	0.91	28,0	400	83,0	1200	0,38	0.26	40-61	100
EHA502-10YW-	MXX	100	16	15,9	0.62	26,0	1.02	28,0	400	83,0	1200	0,45	0.30	40-61	100
EHA502-12YW-	MXX	100	19	19,0	0.75	30,0	1.18	28,0	400	83,0	1200	0,57	0.38	40-61	100
EHA502-16YW-	MXX	100	25	25,4	1.00	37,0	1.46	28,0	400	83,0	1200	0,72	0.48	40-61	100
EHA502-20YW-	MXX	100	31	31,8	1.25	44,0	1.73	28,0	400	83,0	1200	0,95	0.64	40-61	100
EHA502-24YW-	MXX	100	38	38,1	1.50	51,0	2.01	28,0	400	83,0	1200	1,21	0.81	40-61	100
EHA502-28YW-	MXX	100	45	44,5	1.75	60,0	2.36	28,0	400	83,0	1200	1,66	1.12	40-61	100
EHA502-32YW-	MXX	100	51	50,8	2.00	66,0	2.60	28,0	400	83,0	1200	1,83	1.23	40-61	100
EHA502-40YW-	MXX	100	60	63,5	2.50	80,0	3.15	28,0	400	83,0	1200	2,51	1.68	40-61	100
EHA502-48YW-	MXX	100	80	76,2	3.00	92,0	3.62	28,0	400	83,0	1200	2,79	1.87	40-61	100
EHA502-64YW-	MXX	100	102	101,6	4.00	118,0	4.65	28,0	400	83,0	1200	3,53	2.37	40-61	100

* Product also available in BK Black

Air and Multipurpose

Medium Pressure Air

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA501 Medium Duty Air

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- Medium-duty air service

Markets:

- Construction
- Mining
- Oil and gas exploration
- Drilling equipment
- Rental industry
- Steel
- Quarries

Type of Couplings:

- Boss male
- Ground joint female
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA501-08YW-	MXX	100	12	12,7	0.50	22,0	0.87	20,7	300	62,0	900	0,33	0.22	40-61	100
EHA501-10YW-	MXX	100	16	15,9	0.62	25,0	0.98	20,7	300	62,0	900	0,37	0.25	40-61	100
EHA501-12YW-	MXX	100	19	19,0	0.75	29,0	1.14	20,7	300	62,0	900	0,50	0.33	40-61	100
EHA501-16YW-	MXX	100	25	25,4	1.00	36,0	1.42	20,7	300	62,0	900	0,67	0.45	40-61	100
EHA501-20YW-	MXX	100	31	31,8	1.25	44,0	1.73	20,7	300	62,0	900	0,96	0.64	40-61	100
EHA501-24YW-	MXX	100	38	38,1	1.50	51,0	2.01	20,7	300	62,0	900	1,18	0.79	40-61	100
EHA501-28YW-	MXX	100	45	44,5	1.75	60,0	2.36	20,7	300	62,0	900	1,63	1.10	40-61	100
EHA501-32YW-	MXX	100	51	50,8	2.00	65,0	2.56	20,7	300	62,0	900	1,66	1.11	40-61	100
EHA501-40YW-	MXX	100	60	63,5	2.50	80,0	3.15	20,7	300	62,0	900	2,45	1.65	40-61	100
EHA501-48YW-	MXX	100	80	76,2	3.00	92,0	3.62	20,7	300	62,0	900	2,65	1.78	40-61	100
EHA501-64YW-	MXX	100	102	101,6	4.00	118,0	4.65	20,7	300	62,0	900	3,81	2.56	40-61	100

* Product also available in BK Black

Air and Multipurpose

Medium Pressure Air

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H6002 BULLDOG™ Air

Construction:

Tube: Nitrile

Reinforcement:
.50" - 1.00" 2-fiber braid
1.25" - 3.00" 2-fiber ply

Cover:
.50" - 1.00" pin-pricked neoprene
1.25" - 3.00" pin-pricked vinyl nitrile

Operating Temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:
- Power operated drills, boring and mining equipment
- Provide power to air-operated equipment

Markets:
- Metal working
- Construction
- Mining
- Forest industry

Type of Couplings:
- "U" Series
- "Z" Series
- Boss
- Ground joint
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H600208		50	12	12,7	0.50	23,0	0.91	28,0	400	110	1600	0,46	0.31		50
H600208-*		100	12	12,7	0.50	23,0	0.91	28,0	400	110	1600	0,46	0.31		100
H600212		50	19	19,0	0.75	30,2	1.19	28,0	400	110	1600	0,68	0.46		50
H600212-		100	19	19,0	0.75	30,2	1.19	28,0	400	110	1600	0,68	0.46		100
H600216		50	25	25,4	1.00	38,1	1.50	28,0	400	110	1600	1,00	0.67		50
H600216-		100	25	25,4	1.00	38,1	1.50	28,0	400	110	1600	1,00	0.67		100
H600220		50	31	31,8	1.25	46,0	1.81	28,0	400	110	1600	1,28	0.86		50
H600220-		100	31	31,8	1.25	46,0	1.81	28,0	400	110	1600	1,28	0.86		100
H600224		50	38	38,1	1.50	52,4	2.06	28,0	400	110	1600	1,47	0.99		50
H600224-		100	38	38,1	1.50	52,4	2.06	28,0	400	110	1600	1,47	0.99		100
H600232		50	51	50,8	2.00	66,7	2.63	20,7	300	83	1200	1,89	1,27		50
H600232-		100	51	50,8	2.00	66,7	2.63	20,7	300	83	1200	1,89	1,27		100
H600248-		150	80	76,2	3.00	90,5	3.56	13,8	200	55	800	2,86	1,92		150

* 150 ft. length available

Air and Multipurpose

Medium Pressure Air

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA506 Anti-static Medium Duty Air

Construction:

Tube: Anti-static natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Natural and synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:
- Light duty air service
- Pneumatic tools

Markets:
- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service

Type of Couplings:
- Hansen® quick connect
- Male barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA506-04BK-	M100	300	6	6,4	0.25	12	0.47	20,7	300	62	900	0,13	0.09	100	300
EHA506-05BK-	M100	300	8	7,9	0.31	15	0.59	20,7	300	62	900	0,19	0.13	100	300
EHA506-06BK-	M100	300	10	9,5	0.38	17	0.67	20,7	300	62	900	0,22	0.15	100	300
EHA506-08BK-	M100	300	12	12,7	0.50	21	0.83	20,7	300	62	900	0,31	0.21	100	300
EHA506-10BK-	M100	300	16	15,9	0.62	25	0.98	20,7	300	62	900	0,42	0.28	100	300
EHA506-12BK-	M100	300	19	19,0	0.75	29	1.14	20,7	300	62	900	0,53	0.36	100	300
EHA506-16BK-	M100	300	25	25,4	1.00	36	1.42	20,7	300	62	900	0,75	0.50	100	300

* Product sold in bales with maximum three cut lengths in each bale
** Product also available in YW-Yellow

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA505 Medium Duty Air

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Natural and synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:
- Light duty air service
- Pneumatic tools

Markets:
- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service

Type of Couplings:
- Hansen® quick connect
- Male barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA505-04BK-	M100	300	6	6,4	0.25	13	0.51	20,7	300	62	900	0,16	0.11	100	300
EHA505-05BK-	M100	300	8	7,9	0.31	15	0.59	20,7	300	62	900	0,20	0.13	100	300
EHA505-06BK-	M100	300	10	9,5	0.38	18	0.71	20,7	300	62	900	0,27	0.18	100	300
EHA505-08BK-	M100	300	12	12,7	0.50	22	0.87	20,7	300	62	900	0,40	0.27	100	300
EHA505-10BK-	M100	300	16	15,9	0.62	25	0.98	20,7	300	62	900	0,45	0.30	100	300
EHA505-12BK-	M100	300	19	19,0	0.75	29	1.14	20,7	300	62	900	0,59	0.40	100	300
EHA505-16BK-	M100	300	25	25,4	1.00	37	1.46	20,7	300	62	900	1,89	1.27	100	300

* Product sold in bales with maximum three cut lengths in each bale
** Product also available in YW-Yellow

Air and Multipurpose

Low Working Pressure

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9949 SHOCK-SAFE™

Construction:

Tube: Nitrile (non-conductive)

Reinforcement: 2 fiber braid

Cover: Vinyl nitrile (non-conductive)

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- Air and water transfer where hose must be non-conductive

Markets:

- Oil and gas exploration
- Steel and metal
- Mining
- In-plant service

Type of Couplings:

- "U" Series
- TTC
- "Z" Series
- Hansen® quick connect

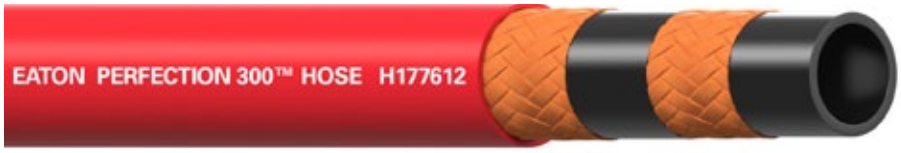
Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H994904-		500R	6	6,4	0.25	15,1	0.59	19	275	75	1100	0,22	0.15		500
H994906-		500R	10	9,5	0.38	18,3	0.72	19	275	75	1100	0,28	0.19		500
H994908-		500R	12	12,7	0.50	22,2	0.88	19	275	75	1100	0,40	0.27		500
H994912-		500R	19	19,0	0.75	29,4	1.16	19	275	75	1100	0,61	0.41		500
H994916-		300R	25	25,4	1.00	36,5	1.44	19	275	75	1100	0,95	0.64		300

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1776 & H1777 PERFECTION 300™



Construction:

Tube: Nitrile (RMA Class A)

Reinforcement:
H1777 1 fiber braid
H1776 2 fiber braid

Cover: Vinyl nitrile

Operating Temperature:
-40°C to +82°C
(-40°F to +180°F)

Application:
- For transfer of air and water
- Air tools

Markets:
- Construction
- Mining
- General industry
- In-plant air service
- Food processing

Type of Couplings:
- "U" Series
- "Z" Series
- Long shank
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H177704-		500	6	6,4	0.25	12,7	0.50	22,4	325	90	1300	0,16	0.11		500
H177705-		500	8	7,9	0,31	15,9	0.63	22,4	325	90	1300	0,25	0.17		500
H177706-		500	10	9,5	0.38	16,7	0.66	22,4	325	90	1300	0,25	0.17		500
H177708-		500	12	12,7	0.50	20,6	0.81	22,4	325	90	1300	0,36	0.24		500
H177604-		500	6	6,4	0.25	15,1	0.59	22,4	325	90	1300	0,22	0.15		500
H177606-		500	10	9,5	0.38	18,3	0.72	22,4	325	90	1300	0,30	0.20		500
H177608-		500	12	12,7	0.50	22,2	0.87	22,4	325	90	1300	0,46	0.31		500
H177610-		500	16	15,9	0.62	25,4	1.00	22,4	325	90	1300	0,54	0.36		500
H177612-		500	19	19,0	0.75	29,4	1.16	22,4	325	90	1300	0,65	0.44		500
H177616-		300	25	25,4	1.00	36,5	1.44	22,4	325	90	1300	0,89	0.46		300
H177620-		300	31	31,8	1.25	44,5	1.75	22,4	325	90	1300	0,97	0.65		300
H177624-		300	38	38,1	1.50	50,8	2.00	22,4	325	90	1300	1.22	0.82		300

Air and Multipurpose

Low Working Pressure

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H115 & H116 PERFORMER II™

Construction:

Tube: Nitrile (RMA Class B)

Reinforcement:
H115 - 2 fiber braid
H116 - 1 fiber braid

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:
- High oil-resistant
- Air and water transfer
- Provide power to operated equipment
- Pneumatic tools on production line

Markets:
- Construction
- Forest industry
- Metal working
- Oil and gas exploration
- In-plant service
- Plastic molding
- Ship building

Type of Couplings:
- "U" Series
- TTC
- "Z" Series
- Boss
- Ground joint
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H11504-		550R	6	6,4	0.25	14,8	0.58	20,7	300	83	1200	0,15	0.10		550
H11505-*		550R	8	7,9	0.31	16,7	0.66	20,7	300	83	1200	0,21	0.14		550
H11506-*		550R	10	9,5	0.38	18,1	0.71	20,7	300	83	1200	0,28	0.19		550
H11508-*		550R	12	12,7	0.50	22,2	0.88	20,7	300	83	1200	0,40	0.27		550
H11512-*		550R	19	19,0	0.75	29,4	1.16	20,7	300	83	1200	0,61	0.41		550
H11516-*		300R	25	25,4	1.00	36,5	1.44	15,5	225	62	900	0,68	0.46		300
H11520-*		300R	31	31,8	1.25	44,5	1.75	15,5	225	62	900	0,97	0.65		300
H11524-*		300R	38	38,1	1.50	50,8	2.00	15,5	225	62	900	1,22	0.82		300
H11604-		550R	6	6,4	0.25	12,7	0.50	15,5	225	62	900	0,12	0.08		550
H11605-		550R	8	7,9	0.31	15,9	0.63	15,5	225	62	900	0,19	0.13		550
H11606-		550R	10	9,5	0.38	16,7	0.66	15,5	225	62	900	0,19	0.13		550
H11608-		550R	12	12,7	0.50	20,6	0.81	15,5	225	62	900	0,25	0.17		550

* 50 ft. length available
** Maximum three cut lengths on each reel and product packaging will vary +/- 10 %

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H201 EASY COUPLE™

Construction:

Tube: Vinyl Nitrile (RMA Class A)

Reinforcement: Fiber, 1 braid

Cover: (BK) Neoprene (MSHA Approved)

(BU,GN, GY, RD,YW) Vinyl nitrile

Operating Temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:
- Air and water
- Pneumatic tools
- Air tools

Markets:
- Oil and gas exploration
- Construction
- Mining
- Plastic molding

Type of Couplings:
- Aeroquip® socketless
- Push-on couplings
- "B" Series
- Hansen® quick connect

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H20104XX		50	6	6,4	0.25	12,7	0.50	21	300	84	1200	0,13	0.09		50
H20104XX-**		250R	6	6,4	0.25	12,7	0.50	21	300	84	1200	0,13	0.09		250
H20104XX-		500R	6	6,4	0.25	12,7	0.50	21	300	84	1200	0,13	0.09		500
H20106XX		50	10	9,7	0.38	16,7	0.66	21	300	84	1200	0,19	0.13		50
H20106XX-**		250R	10	9,7	0.38	16,7	0.66	21	300	84	1200	0,19	0.13		250
H20106XX-R		500R	10	9,7	0.38	16,7	0.66	21	300	84	1200	0,19	0.13		500
H20108XX		50	12	12,7	0.50	19,2	0.76	21	300	84	1200	0,22	0.15		50
H20108XX-**		250R	12	12,7	0.50	19,2	0.76	21	300	84	1200	0,22	0.15		250
H20108XX-		500R	12	12,7	0.50	19,2	0.76	21	300	84	1200	0,22	0.15		500
H20110XX		50	16	15,9	0.62	23,6	0.93	21	300	84	1200	0,34	0.23		50
H20110XX-		250R	16	16,0	0.63	23,6	0.93	21	300	84	1200	0,34	0.23		250
H20112XX		50	19	19,0	0.75	26,3	1.04	21	300	84	1200	0,39	0.26		50
H20112XX-		250R	19	19,0	0.75	26,3	1.04	21	300	84	1200	0,39	0.26		250
H20116XX		50	25	25,4	1.00	34,9	1.38	14	200	55	800	0,57	0.38		50
H20116XX-		250R	25	25,4	1.00	34,9	1.38	14	200	55	800	0,57	0.38		250

* All sizes available in Black, Blue and Red **Green, Gray and Yellow available

Air and Multipurpose

Low Working Pressure

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H265 ULTRAFORCE™

Construction:

Tube: Modified vinyl

Reinforcement: 2 spiral fiber

Cover: Pin-pricked modified rubber

Operating Temperature:

-23°C to +65°C
(-10°F to +150°F)

Application:

- For transfer of air and water
- Air tools
- Lubricated air

Markets:

- Construction
- Mining
- General industry
- In-plant air service
- Food processing

Type of Couplings:

- "E" Series
- "P" Series
- "Z" Series
- Barbed inserts
- Quick acting or long shank
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H26504BU-		600R	6	6,4	0.25	12,7	0.50	24,0	350	97	1400	0,13	0.09		600
H26506BU-		600R	10	9,5	0.38	16,3	0.64	24,0	350	97	1400	0,18	0.12		600
H26508BU-		500R	12	12,7	0.50	19,8	0.78	20,7	300	83	1200	0,25	0.17		500
H26510BU-		500R	16	15,9	0.62	22,2	0.87	17,2	250	70	1000	0,30	0.20		500
H26512BU-		500R	19	19,0	0.75	26,9	1.06	17,2	250	70	1000	0,39	0.26		500
H26516BU-		200R	25	25,4	1.00	33,3	1.31	13,8	200	55	800	0,52	0.35		200
H26520BU-		100	31	31,8	1.25	42,9	1.69	10,5	150	41	600	0,91	0,61		100
H26524BU-		100	38	38,1	1.50	49,2	1.94	10,5	150	41	600	1,09	0.73		100
H26532BU-		100	51	50,8	2.00	63,5	2.50	8,5	125	35	500	1,56	1.05		100

*Additional colors available ** Additional lengths available on select items

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H275 POLYFORCE II™

Construction:

Tube: PVC

Reinforcement: 2 spiral fiber

Cover: Pin-pricked PVC

Operating Temperature:

-23°C to +65°C
(-10°F to +150°F)

Application:
- For transfer of air and water
- Air tools
- Lubricated air

Markets:
- Construction
- Mining
- General industry
- In-plant air service
- Food processing

Type of Couplings:
- "E" Series
- "P" Series
- "Z" Series
- Barbed inserts
- Quick acting or long shank
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H27504RD-*		600R	6	6,4	0.25	12,7	0.50	17,2	250	70	1000	0,10	0.07		600
H27506RD-*		600R	10	9,5	0.38	15,9	0.62	17,2	250	70	1000	0,18	0.12		600
H27508RD-*		500R	12	12,7	0.50	19,1	0.75	17,2	250	70	1000	0,22	0.15		500
H27510RD-		500R	16	15,9	0.62	22,6	0.89	17,2	250	70	1000	0,28	0.19		500
H27512RD-		500R	19	19,0	0.75	26,2	1.03	17,2	250	70	1000	0.34	0.23		500
H27516RD-		200R	25	25,4	1.00	33,3	1.31	13,8	200	55	800	0,51	0.34		200
H27520RD-		100	31	31,8	1.25	42,9	1.69	13,8	200	55	800	0,77	0.52		100
H27524RD-		100	38	38,1	1.50	49,2	1.94	13,8	200	55	800	0,91	0.61		100
H27532RD-		100	51	50,8	2.00	63,5	2.50	8,5	125	26	375	1.35	0.91		100

* Additional colors available ** Additional lengths available on select items

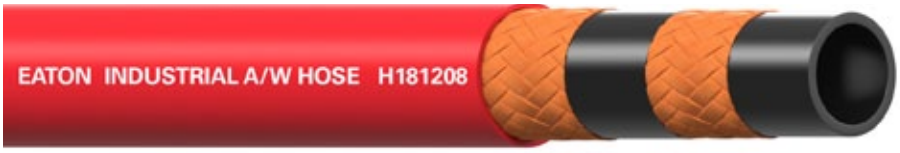
Air and Multipurpose

Low Working Pressure

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1812 Industrial Air/Water



Construction:

Tube: EPDM rubber

Reinforcement: 2-fiber braid

Cover: EPDM rubber

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For transfer of air and water
- Pneumatic tools
- For spraying water-based fertilizers and pesticides

Markets:

- Metal working
- Construction
- Mining
- Oil and gas exploration
- In-plant service
- Agriculture

Type of Couplings:

- "U" Series
- "Z" Series
- Barbed inserts
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H181204-		500	6	6,4	0.25	15,1	0.59	19,0	275	75	1100	0,18	0.12		500
H181206-		500	10	9,5	0.38	18,3	0.72	19,0	275	75	1100	0,27	0.18		500
H181208-		500	12	12,7	0.50	22,2	0.87	17,2	250	70	1000	0,34	0.23		500
H181210-		500	16	15,9	0.62	25,4	1.00	17,2	250	70	1000	0,42	0.28		500
H181212-		500	19	19,0	0.75	29,4	1.16	17,2	250	70	1000	0,49	0.33		500
H181216-		300	25	25,4	1.00	36,5	1.44	17,2	250	70	1000	0,68	0.46		300
H181220-		300	31	31,8	1.25	44,5	1.75	17,2	250	70	1000	0,89	0.60		300
H181224-		300	38	38,1	1.50	50,8	2.00	17,2	250	70	1000	1,08	0.73		300

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA503 Light Duty Air

Construction:

Tube: Natural and synthetic rubber which is oil-mist resistant

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:
- Light duty air service
- Pneumatic tools

Markets:
- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service

Type of Couplings:
- Boss
- Ground joint
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA503-08BK-	MXX	100	12	12,7	0.50	22,0	0.87	10,5	150	41	600	0,40	0.27	40-61	100
EHA503-10BK-	MXX	100	16	15,9	0.62	25,0	0.98	10,5	150	41	600	0,44	0.30	40-61	100
EHA503-12BK-	MXX	100	19	19,0	0.75	29,0	1.14	10,5	150	41	600	0,56	0.38	40-61	100
EHA503-16BK-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	41	600	0,66	0.44	40-61	100
EHA503-20BK-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	41	600	1,05	0.71	40-61	100
EHA503-24BK-	MXX	100	38	38,1	1.50	51,0	2.01	10,5	150	41	600	1,34	0.90	40-61	100
EHA503-28BK-	MXX	100	45	44,5	1.75	57,0	2.24	10,5	150	41	600	1,43	0.96	40-61	100
EHA503-32BK-	MXX	100	51	50,8	2.00	63,0	2.48	10,5	150	41	600	1,62	1.09	40-61	100
EHA503-40BK-	MXX	100	60	63,5	2.50	78,0	3.07	10,5	150	41	600	2,37	1.59	40-61	100
EHA503-48BK-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	41	600	3,07	2.06	40-61	100
EHA503-64BK-	MXX	100	102	101,6	4.00	117,0	4.64	10,5	150	41	600	3,83	2.57	40-61	100

Air and Multipurpose

Low Working Pressure

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA504 Light Duty Air

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Natural and synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- Light duty air service
- Pneumatic tools

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service

Type of Couplings:

- Hansen® quick connect
- Male barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA504-03BK-	M100	300	5	4,8	0.19	10	0.39	10,5	150	41	600	0,10	0.07	100	300
EHA504-04BK-	M100	300	6	6,5	0.25	11	0.43	10,5	150	41	600	0,11	0.07	100	300
EHA504-05BK-	M100	300	8	7,9	0.31	14	0.55	10,5	150	41	600	0,16	0.11	100	300
EHA504-06BK-	M100	300	10	9,5	0.38	16	0.63	10,5	150	41	600	0,19	0.13	100	300
EHA504-08BK-	M100	300	12	12,7	0.50	19	0.75	10,5	150	41	600	0,24	0.16	100	300
EHA504-10BK-	M100	300	16	15,9	0.62	23	0.91	10,5	150	41	600	0,34	0.23	100	300
EHA504-12BK-	M100	300	19	19,0	0.75	27	1.06	10,5	150	41	600	0,44	0.30	100	300
EHA504-16BK-	M100	300	25	25,4	1.00	34	1.34	10,5	150	41	600	0,64	0.43	100	300

Product also available in YW–Yellow

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1981 & H1982 MARATHONER™ - Non-Conductive

Construction:

Tube: Nitrile blend

Reinforcement: 2- or 4-fiber spiral

Cover: Pin-pricked nitrile blend

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:
- Medium oil-resistant
- Air and water transfer

Markets:
- Construction
- Mining
- Paper industry
- Oil and gas exploration
- In-plant service

Type of Couplings:
- "U" Series
- TTC
- "Z" Series
- Boss
- Ground joint
- Air hammer
- Air king
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H198104RD-		600R	6	6,4	0.25	12,7	0.50	13,8	200	55	800	0,15	0.10	183	600
H198106RD-		600R	10	9,5	0.38	17,3	0.68	13,8	200	55	800	0,22	0.15	183	600
H198108RD-		600R	12	12,7	0.50	20,6	0.81	13,8	200	55	800	0,28	0.19	183	600
H198112RD-*		600R	19	19,0	0.75	30,2	1.19	16,0	225	62	900	0,55	0.37	183	600
H198204RD-		600R	6	6,4	0.25	15,9	0.62	20,7	300	83	1200	0,19	0.13	183	600
H198206RD-**		600R	10	9,5	0.38	18,3	0.72	20,7	300	83	1200	0,27	0.18	183	600
H198208RD-**		600R	12	12,7	0.50	25,4	1.00	20,7	300	83	1200	0,34	0.23	183	600
H198210RD-**		600R	16	15,9	0.62	26,2	1.03	20,7	300	83	1200	0,37	0.25	183	600
H198212RD-**		600R	19	19,0	0.75	30,2	1.19	20,7	300	83	1200	0,55	0.37	183	600
H198216RD-**		400R	25	25,4	1.00	36,5	1.44	20,7	300	83	1200	0,96	0.64	183	600

*Additional packaging available ** Additional colors available

Air and Multipurpose

General Air and Water

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0105 BOSFLEX™ A/W

Construction:

Tube: EPDM

Reinforcement: 4-fiber spiral, -20 & -25 2 fiber braid

Cover: EPDM

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- Air and water transfer
- Spraying and conveying water based liquid fertilizers and pesticides

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service
- Agriculture
- Assembly/manufacturers
- Paper/pulp
- Ship building

Type of Couplings:

- "U" Series
- Barbed inserts
- Quick disconnect
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H010504RD		50	6	6,4	0.25	15,6	0.62	20,7	300	83	1200	0,16	0.14		50
H010504RD-		600R	6	6,4	0.25	15,6	0.62	20,7	300	83	1200	0,16	0.14		600
H010506RD		50	10	9,5	0.38	18,0	0.71	20,7	300	83	1200	0,27	0.18		50
H010506RD-		600R	10	9,5	0.38	18,0	0.71	20,7	300	83	1200	0,27	0.18		600
H010508RD		50	12	12,7	0.50	22,1	0.87	20,7	300	83	1200	0,34	0,23		50
H010508RD-		600R	12	12,7	0.50	22,1	0.87	20,7	300	83	1200	0,34	0,23		600
H010510RD-		600R	16	15,9	0.62	25,3	1.00	20,7	300	83	1200	0,45	0.30		600
H010512RD *		50	19	19,0	0.75	29,1	1.15	15,5	225	62	900	0,55	0.37		50
H010512RD-*		600R	19	19,0	0.75	29,1	1.15	15,5	225	62	900	0,55	0.37		600
H010516RD *		50	25	25,4	1.00	34,7	1.37	13,8	200	55	800	0,89	0.60		50
H010516RD-*		600R	25	25,4	1.00	34,7	1.37	13,8	200	55	800	0,89	0.60		600
H010520BK-		300R	31	31,8	1.25	44,5	1.75	13,8	200	55	800	0,97	0.65		300
H010524BK-		300R	38	38,1	1.50	50,8	2.00	13,8	200	55	800	1,22	0.82		300

*Product also available in BK-Black

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0106 BOSFLEX™ A/W

Construction:

Tube: EPDM

Reinforcement: 2-spiral fiber

Cover: EPDM

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- Air and water transfer
- Spraying and conveying water-based liquid fertilizers and pesticides

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service
- Agriculture
- Assembly/manufacturers
- Paper/pulp
- Ship building

Type of Couplings:

- "U" Series
- Barbed inserts
- Quick disconnect
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H010604BK-		600R	6	6,4	0.25	12,4	0.49	14	200	56	800	0,15	0.10		600
H010604RD		50	6	6,4	0.25	12,4	0.49	14	200	56	800	0,15	0.10		50
H010604RD-		600R	6	6,4	0.25	12,4	0.49	14	200	56	800	0,15	0.10		600
H010606BK-		600R	10	9,5	0.38	17,2	0.68	14	200	56	800	0,22	0.15		600
H010606RD		50	10	9,5	0.38	17,2	0.68	14	200	56	800	0,22	0.15		50
H010606RD-		600R	10	9,5	0.38	17,2	0.68	14	200	56	800	0,22	0.15		600
H010608BK-		600R	12	12,7	0.50	20,6	0.81	14	200	56	800	0,28	0.19		600
H010608RD		50	12	12,7	0.50	20,6	0.81	14	200	56	800	0,28	0.19		50
H010608RD-		600R	12	12,7	0.50	20,6	0.81	14	200	56	800	0,28	0.19		600
H010610BK-		600R	16	15,9	0.62	23,6	0.93	14	200	56	800	0,42	0.28		600
H010612RD-		600R	19	19,0	0.75	29,1	1.15	21	300	84	1200	0,60	0.40		600

Air and Multipurpose

General Air and Water

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1987 CONTRACTORS WATER™

Construction:

Tube: EPDM rubber

Reinforcement: 2 fiber spiral

Cover: Pin-pricked EPDM rubber

Operating Temperature:

-34°C to +71°C
(-30°F to +160°F)

Application:

- For transfer of water

Markets:

- Construction

Type of Couplings:

- Barbed inserts
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H198710-		50	16	15,9	0.62	24,6	0.97	10,5	150	31	450	0,34	0.23		50
H198710-		50C	16	15,9	0.62	24,6	0.97	10,5	150	31	450	0,34	0.23		50C
H198710-		600R	16	15,9	0.62	24,6	0.97	10,5	150	31	450	0,34	0.23		600
H198712		50	19	19,0	0.75	28,6	1.13	10,5	150	31	450	0,45	0.30		50
H198712-		50C	19	19,0	0.75	28,6	1.13	10,5	150	31	450	0,45	0.30		50C
H198712-		600R	19	19,0	0.75	28,6	1.13	10,5	150	31	450	0,45	0.30		600

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA509 & EHA510 Multipurpose - EPDM

Construction:

Tube: EPDM rubber

Reinforcement:
High-tensile synthetic textile

Cover: EPDM rubber

Operating Temperature:

-40°C to +122°C
(-40°F to +248°F)

Application:

- For use with air, oil or water

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service

Type of Couplings:

- Hansen® quick connect
- Male barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA509-04-	M100	300	6	6,4	0.25	11	0.43	10,5	150	31	450	0,03	0.02	100	300
EHA509-05-	M100	300	8	7,9	0.31	14	0.55	10,5	150	31	450	0,05	0.03	100	300
EHA509-06-	M100	300	10	9,7	0.38	16	0.63	10,5	150	31	450	0,07	0.04	100	300
EHA509-08-	M100	300	12	12,7	0.50	20	0.79	10,5	150	31	450	0,08	0.05	100	300
EHA509-10-	M100	300	16	15,9	0.62	23	0.91	10,5	150	31	450	0,10	0.07	100	300
EHA509-12-	M100	300	19	19,0	0.75	27	1.06	10,5	150	31	450	0,12	0.08	100	300
EHA509-16-	M100	300	25	25,4	1.00	34	1.34	10,5	150	31	450	0,15	0.10	100	300
EHA510-04-	M100	300	6	6,4	0.25	13	0.52	20,7	300	62	900	0,13	0.09	100	300
EHA510-05-	M100	300	8	7,9	0.31	15	0.59	20,7	300	62	900	0,15	0.10	100	300
EHA510-06-	M100	300	10	9,7	0.38	18	0.71	20,7	300	62	900	0,21	0.14	100	300
EHA510-08-	M100	300	12	12,7	0.50	22	0.87	20,7	300	62	900	0,30	0.20	100	300
EHA510-10-	M100	300	16	15,9	0.62	25	0.98	20,7	300	62	900	0,35	0.24	100	300
EHA510-12-	M100	300	19	19,0	0.75	29	1.14	20,7	300	62	900	0,45	0.30	100	300
EHA510-16-	M100	300	25	25,4	1.00	37	1.46	20,7	300	62	900	0,69	0.46	100	300

*Product sold in bales with maximum three cut lengths in each bale.

Air and Multipurpose

General Air and Water

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA507 & EHA508 Multipurpose

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For use with air, oil or water

Markets:

- Construction
- Mining
- Rental industry
- Oil and gas exploration
- In-plant air service

Type of Couplings:

- Hansen® quick connect
- Male barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHA507-04BK-	M100	300	6	6,4	0.25	11	0.43	10,5	150	31	450	0,08	0.05	100	300
EHA507-05BK-	M100	300	8	7,9	0.31	14	0.55	10,5	150	31	450	0,12	0.08	100	300
EHA507-06BK-	M100	300	10	9,7	0.38	16	0.63	10,5	150	31	450	0,15	0.10	100	300
EHA507-08BK-	M100	300	12	12,7	0.50	20	0.79	10,5	150	31	450	0,22	0.15	100	300
EHA507-10BK-	M100	300	16	15,9	0.62	23	0.91	10,5	150	31	450	0,26	0.18	100	300
EHA507-12BK-	M100	300	19	19,0	0.75	27	1.06	10,5	150	31	450	0,34	0.23	100	300
EHA507-16BK-	M100	300	25	25,4	1.00	34	1.34	10,5	150	31	450	0,49	0.33	100	300
EHA508-04BK-	M100	300	6	6,4	0.25	13	0.52	20,7	300	62	900	0,13	0.09	100	300
EHA508-05BK-	M100	300	8	7,9	0.31	15	0.59	20,7	300	62	900	0,15	0.10	100	300
EHA508-06BK-	M100	300	10	9,7	0.38	18	0.71	20,7	300	62	900	0,21	0.14	100	300
EHA508-08BK-	M100	300	12	12,7	0.50	22	0.87	20,7	300	62	900	0,30	0.20	100	300
EHA508-10BK-	M100	300	16	15,9	0.62	25	0.98	20,7	300	62	900	0,35	0.24	100	300
EHA508-12BK-	M100	300	19	19,0	0.75	29	1.14	20,7	300	62	900	0,45	0.30	100	300
EHA508-16BK-	M100	300	25	25,4	1.00	37	1.46	20,7	300	62	900	0,69	0.46	100	300

*Product sold in bales with maximum three cut lengths in each bale ** Product also available in BU-Blue, GY-Gray or YW-Yellow

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW028 Heavy Duty MSHA Mine Spray

Construction:

Tube: Oil-mist resistant NRB rubber

Reinforcement: High-tensile steel wire

Cover: MSHA pin-pricked neoprene

Operating Temperature:

-35°C to +100°C
(-31°F to +212°F)

Application:

- High pressure air in mines

Markets:

- Mining
- Construction
- Equipment rental

Type of Couplings:

- Male NPT
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW028-08-	MXX	100	12	12,7	0.50	24,4	0.94	70,0	1000	20,7	3000	150	5.91	0,60	0.40	40-61	50, 100
EHW028-12-	MXX	100	19	19,0	0.75	28,0	1.10	70,0	1000	20,7	3000	203	9.06	0,61	0.41	40-61	50, 100
EHW028-16-	MXX	100	25	25,4	1.00	34,3	1.35	70,0	1000	20,7	3000	305	12.01	0,82	0.55	40-61	50, 100
EHW028-20-	MXX	100	31	31,8	1.25	41,4	1.63	70,0	1000	20,7	3000	385	15.16	1,10	0.74	40-61	50, 100
EHW028-24-	MXX	100	38	38,1	1.50	48,0	1.89	70,0	1000	20,7	3000	455	17.91	1,41	0.95	40-61	50, 100
EHW028-32-	MXX	100	51	50,8	2.00	62,0	2,44	70,0	1000	20,7	3000	610	24.02	2,19	1.47	40-61	50, 100
EHW028-40-	MXX	100	60	63,5	2.50	82,0	3,23	70,0	1000	20,7	3000	765	30.12	3,93	2.64	40-61	50, 100

Air and Multipurpose

Specialty

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1571 Mineforce

Construction:

Tube: Modified vinyl

Reinforcement: 4 fiber spiral

Cover: PVC/nitrile blend

Operating Temperature:

-28°C to +66°C
(-20°F to +150°F)

Application:

- For transfer of air and water
- For high pressure air tools

Markets:

- Construction
- Mining
- Food processing

Type of Couplings:

- "U" Series
- "Z" Series
- Long shank
- Hansen® quick connect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H157112		50	19	19,0	0.75	30,2	1.19	28	400	110	1600	0,60	.40		50
H157112-100		100	19	19,0	0.75	30,2	1.19	28	400	110	1600	0,60	.40		100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHA511 Air and Dust Suction

Construction:

Tube: Natural and synthetic rubber

Reinforcement: Synthetic textile and steel helical wire

Cover: Corrugated synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of air, dust, grain, powder, etc.

Markets:

- Construction
- In-plant service

# Part No.			Hose I.D.			Hose O.D.		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHA511-16-	MXX	100	25	25,4	1.00	32,0	2.21	40	2.76	61	18	0,42	0.28	1-46	100
EHA511-20-	MXX	100	31	32,0	1.25	39,0	2.69	60	4.14	61	18	0,62	0.42	1-46	100
EHA511-24-	MXX	100	38	38,1	1.50	45,0	3.10	75	5.17	61	18	0,72	0.48	1-46	100
EHA511-28-	MXX	100	45	44,5	1.75	52,0	3.59	90	6.21	61	18	0,81	0.54	1-46	100
EHA511-32-	MXX	100	51	50,8	2.00	58,0	4.00	100	6.89	61	18	0,91	0.61	1-46	100
EHA511-40-	MXX	100	60	63,5	2.50	72,0	4.96	125	8.62	61	18	1,41	0.95	1-46	100
EHA511-48-	MXX	100	80	76,2	3.00	84,5	5.83	150	10.34	61	18	1,69	1.14	1-46	100
EHA511-64-	MXX	100	102	101,6	4.00	110,0	7.58	200	13.79	61	18	2,34	1.57	1-46	100
EHA511-80-	MXX	100	130	127,0	5.00	135,0	9.31	295	20.34	61	18	3,18	2.14	1-46	100
EHA511-96-	MXX	100	150	152,4	6.00	162,0	11.17	380	26.20	61	18	4,17	2.80	1-46	100
EHA511-128-	MXX	20	200	203,2	8.00	214,0	14.75	700	48.26	61	18	6,28	4.22	20	20
EHA511-160-	MXX	20	250	254,0	10.00	267,0	18.41	1000	68.95	61	18	8,80	5.92	20	20
EHA511-192-	MXX	20	305	304,8	12.00	319,0	21.99	1400	96.53	61	18	10,43	7.01	10	20

Eaton Industrial Hose Reminder

Hose Maintenance

Hose Maintenance

Proper maintenance of the hose is essential to the safe use of the hose and related equipment. Hose should be stored in a dry place. Hose should also be visually inspected. Any hose that has a cut or gouge in the cover that exposes the reinforcement should be retired from service. Hoses should also be inspected for kinking or broken reinforcement. If the outside diameter of the hose is reduced by 20% or more, the hose should be repaired or removed from service. Inadequate attention to hose maintenance may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage for spraying fluids, flying projectiles, or other substances.

Notes

Cement, Plaster and Grout

Cement, Plaster and Grout

Introduction and Safety Information

Environmental Resistance

- The tube and cover materials of the Eaton industrial hose 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 industrial hose 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 industrial hose. 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.

Cement, Plaster and Grout Hose Safety Information

Important!

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 blowoffs, 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.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK008 Concrete Vibration

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For submerged vibrators
- For use to help prevent air bubbles in concrete liquid projected by hand vibrating

Markets:

- Construction
- Cement
- Swimming pool

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK008-10-	MXX	100	16	15,9	0.62	26	1.02	10,5	150	31	450	0,51	0.34	40-61	100
EHK008-12-	MXX	100	19	19,0	0.75	30	1.18	10,5	150	31	450	0,68	0.46	40-61	100
EHK008-14-	MXX	100	22	22,2	0.88	33	1.30	10,5	150	31	450	0,74	0.50	40-61	100
EHK008-16-	MXX	100	25	25,4	1.00	36	1.42	10,5	150	31	450	0,81	0.54	40-61	100
EHK008-16A-	MXX	100	25	25,4	1.00	39	1.54	10,5	150	31	450	1,08	0.73	40-61	100
EHK008-16B-	MXX	100	25	25,4	1.00	42	1.65	10,5	150	31	450	1,40	0.94	40-61	100
EHK008-18-	MXX	100	28	28,6	1.12	40	1.57	10,5	150	31	450	1,00	0.67	40-61	100
EHK008-18A-	MXX	100	28	28,6	1.12	44	1.73	10,5	150	31	450	1,46	0.98	40-61	100
EHK008-20-	MXX	100	31	31,8	1.25	48	1.89	10,5	150	31	450	1,60	1.08	40-61	100
EHK008-25-	MXX	100		40,0	1.58	54	2.13	10,5	150	31	450	1,65	1.11	40-61	100
EHK008-25A-	MXX	100		40,0	1.58	56	2.20	10,5	150	31	450	1,93	1.30	40-61	100

Cement, Plaster and Grout

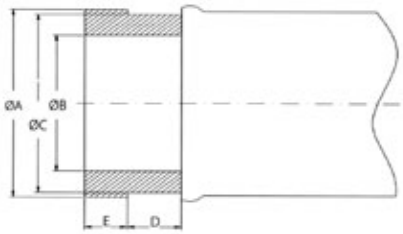
Cement and Concrete

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK007 Coupling

Concrete Pumping Couplings



	2-1/2 in		3 in		4 in		4-1/2 in		5 in		5-1/2 in		6 in	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Ø A	89,0	3.50	90,0	3.54	114,3	4.50	127,5	5.02	142,0	5.59	148,0	5.83	175,0	6.89
Ø B	64,4	2.54	77,0	3.03	98,0	3.86	98,0	3.86	124,0	4.88	124,0	4.88	147,0	5.79
Ø C	84,0	3.31	64,5	2.54	108,0	4.25	114,0	4.49	133,0	5.24	139,0	5.47	102,0	4.02
D	20,0	0.79	18,0	0.71	18,0	0.71	18,0	0.71	18,0	0.71	18,0	0.71	18,0	0.71
E	16,0	0.63	16,5	0.65	17,0	0.67	17,0	0.67	17,0	0.67	17,0	0.67	17,0	0.67

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK007 MARAUDER™ Heavy Duty Concrete Pumping

Construction:

Tube: Natural and CBR blend

Reinforcement: High-tensile steel cords

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- High-pressure concrete pumping

Markets:

- Construction
- Cement placement

Type of Couplings:

- Victaulic male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHK007-32-	MXX	100	51	50,8	2.00	70,0	2.76	85	1230	200	2900	275	10.83	3,03	2.04	40-61	100
EHK007-40-	MXX	100	60	63,5	2.50	88,0	3.46	85	1230	200	2900	300	11.81	4,48	3.01	40-61	100
EHK007-48-	MXX	100	80	76,2	3.00	102,0	4.02	85	1230	200	2900	350	13.78	5,46	3.67	40-61	100
EHK007-64-	MXX	100	102	101,6	4.00	130,0	5.12	85	1230	200	2900	400	15.75	8,46	5.69	40-61	100
EHK007-80-	MXX	100	130	127,0	5.00	155,0	6.10	85	1230	200	2900	500	19.69	9,63	6.47	40-61	100
EHK007-96-	MXX	100	150	153,0	6.00	180,0	7.09	85	1230	140	2030	650	25.59	10,99	7.39	40-61	100

Cement, Plaster and Grout

Cement and Concrete

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK006 MARAUDER™ Heavy Duty Plaster and Grout Spraying

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For high-pressure spraying plaster, grout, sand, gypsum, and ready mixed concrete

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Victaulic male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK006-16-	MXX	100	25	25,4	1.00	43,0	1.69	85	1230	178	2580	1,08	2.38	40-61	100
EHK006-20-	MXX	100	31	31,8	1.25	48,0	1.89	85	1230	178	2580	1,15	2.54	40-61	100
EHK006-24-	MXX	100	38	38,1	1.50	56,0	2.20	85	1230	178	2580	1,59	3.51	40-61	100
EHK006-32-	MXX	100	51	50,8	2.00	70,0	2.76	85	1230	178	2580	2,13	4.70	40-61	100
EHK006-40-	MXX	100	60	63,5	2.50	84,0	3.31	85	1230	178	2580	2,58	5.69	40-61	100
EHK006-48-	MXX	100	80	76,2	3.00	102,0	4.02	85	1230	178	2580	4,05	8.93	40-61	100
EHK006-56-	MXX	100	90	88,9	3.50	118,0	4.65	85	1230	178	2580	5,22	11.51	40-61	100
EHK006-64	MXX	100	102	101,6	4.00	130,0	5.12	85	1230	178	2580	5,90	13.01	40-61	100
EHK006-80-	MXX	100	130	127,0	5.00	155,0	6.10	85	1230	178	2580	6,93	15.28	40-61	100

Cement, Plaster and Grout

Cement and Concrete

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK005 Plaster and Grout Spraying

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For high-pressure spraying plaster, grout, sand, gypsum, and ready mixed concrete

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Victaulic male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK005-12BK-	MXX	100	19	19,0	0.75	31,0	1.22	41	600	125	1800	0,54	0.36	40-61	100
EHK005-16BK-	MXX	100	25	25,4	1.00	37,0	1.46	41	600	125	1800	0,65	0.44	40-61	100
EHK005-16ABK-	MXX	100	25	25,4	1.00	38,0	1.50	41	600	125	1800	0,75	0.50	40-61	100
EHK005-19BK-	MXX	100		30,0	1.18	44,0	1.73	41	600	125	1800	0,95	0.64	40-61	100
EHK005-20BK-	MXX	100	31	31,8	1.25	46,0	1.81	41	600	125	1800	1,03	0.69	40-61	100
EHK005-22BK-	MXX	100		35,0	1.38	49,0	1.93	41	600	125	1800	1,10	0.74	40-61	100
EHK005-24BK-	MXX	100	38	38,1	1.50	54,0	2.13	41	600	125	1800	1,43	0.96	40-61	100
EHK005-28BK-	MXX	100	45	44,5	1.75	61,0	2.40	41	600	125	1800	1,63	1.10	40-61	100
EHK005-32BK-	MXX	100	51	50,8	2.00	68,0	2.68	41	600	125	1800	1,96	1.32	40-61	100
EHK005-38BK-	MXX	100		60,0	2.36	80,0	3.15	41	600	125	1800	2,72	1.83	40-61	100
EHK005-40BK-	MXX	100	60	63,5	2.50	83,5	3.29	41	600	125	1800	2,86	1.92	40-61	100
EHK005-42BK-	MXX	100	65	65,0	2.56	85,0	3.35	41	600	125	1800	2,88	1.94	40-61	100
EHK005-44BK-	MXX	100	70	70,0	2.76	90,0	3.54	41	600	125	1800	2,93	1.97	40-61	100
EHK005-48BK-	MXX	100	80	76,2	3.00	96,2	3.79	41	600	125	1800	3,14	2.11	40-61	100
EHK005-64BK-	MXX	100	102	101,6	4.00	122,0	4.80	41	600	125	1800	4,14	2.78	40-61	100
EHK005-80BK-	MXX	100	130	127,0	5.00	155,0	6.10	41	600	125	1800	6,85	4.60	40-61	100

* Product available in GY-gray and YW-yellow.

Cement, Plaster and Grout

Dry Bulk

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK004 Channeled Dry Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Channeled synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK004-16-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	31	450	80	3.15	94,8	28	0,77	0.52	40-61	100
EHK004-20-	MXX	100	31	31,8	1.25	42,5	1.67	10,5	150	31	450	100	3.94	94,8	28	0,94	0.63	40-61	100
EHK004-24-	MXX	100	38	38,1	1.50	48,4	1.91	10,5	150	31	450	120	4.72	94,8	28	1,09	0.73	40-61	100
EHK004-32-	MXX	100	51	50,8	2.00	62,0	2.44	10,5	150	31	450	160	6.30	94,8	28	1,61	1.08	40-61	100
EHK004-40-	MXX	100	60	63,5	2.50	76,0	2.99	10,5	150	31	450	200	7.87	94,8	28	2,14	1.44	40-61	100
EHK004-48-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31	450	250	9.84	94,8	28	2,45	1.65	40-61	100
EHK004-56-	MXX	100	90	88,9	3.50	104,5	4.11	10,5	150	31	450	300	11.81	94,8	28	3,43	2.31	40-61	100
EHK004-64-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	350	13.78	94,8	28	4,14	2.78	40-61	100
EHK004-80-	MXX	100	130	127,0	5.00	145,5	5.73	10,5	150	31	450	450	17.72	80,0	24	6,31	4.24	40-61	100
EHK004-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	560	22.05	80,0	24	8,04	5.40	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK003 Corrugated Dry Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Corrugated synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK003-16-	MXX	100	25	25,4	1.00	37,5	1.48	10,5	150	31	450	85	3.35	94,8	28	0,79	0.53	40-61	100
EHK003-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	115	4.53	94,8	28	0,95	0.64	40-61	100
EHK003-24-	MXX	100	38	38,1	1.50	51,0	2.00	10,5	150	31	450	135	5.31	94,8	28	1,27	0.86	40-61	100
EHK003-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	180	7.09	94,8	28	1,75	1.18	40-61	100
EHK003-40-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	230	9.06	94,8	28	2,35	1.58	40-61	100
EHK003-48-	MXX	100	80	76,2	3.00	90,5	3.56	10,5	150	31	450	280	11.02	94,8	28	3,04	2.04	40-61	100
EHK003-56-	MXX	100	90	88,9	3.50	106,0	4.17	10,5	150	31	450	340	13.39	94,8	28	3,82	2.57	40-61	100
EHK003-64-	MXX	100	102	101,6	4.00	119,0	4.69	10,5	150	31	450	400	15.75	94,8	28	4,61	3.10	40-61	100
EHK003-80-	MXX	100	130	127,0	5.00	147,0	5.79	10,5	150	31	450	500	19.68	94,8	28	6,75	4.54	40-61	100
EHK003-96-	MXX	100	150	152,4	6.00	173,0	6.81	10,5	150	31	450	630	24.90	94,8	28	8,86	5.96	40-61	100
EHK003-128-	M20	20	200	203,2	8.00	227,0	8.94	10,5	150	31	450	1000	39.37	80,0	24	13,22	8.89	20	20
EHK003-160-	M20	20	250	254,0	10.00	279,0	10.98	10,5	150	31	450	1300	51.18	80,0	24	17,15	11.53	20	20

Cement, Plaster and Grout

Dry Bulk

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK002 Dry Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK002-16-	MXX	100	25	25,4	1.00	39,0	1.54	10,5	150	31	450	125	4.92	94,8	28	0,88	0.59	40-61	100
EHK002-20-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	160	6.30	94,8	28	1,05	0.71	40-61	100
EHK002-24-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	190	7.48	94,8	28	1,40	0.94	40-61	100
EHK002-32-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	250	9.84	94,8	28	1,98	1.33	40-61	100
EHK002-40-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	315	12.40	94,8	28	2,31	1.55	40-61	100
EHK002-48-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	380	14.96	94,8	28	3,11	2.09	40-61	100
EHK002-56-	MXX	100	90	88,9	3.50	107,0	4.21	10,5	150	31	450	450	17.72	94,8	28	3,76	2.53	40-61	100
EHK002-64-	MXX	100	102	101,6	4.00	120,0	4.72	10,5	150	31	450	550	21.65	94,8	28	4,55	3.06	40-61	100
EHK002-80-	MXX	100	130	127,0	5.00	149,0	5.87	10,5	150	31	450	700	27.56	94,8	28	6,70	4.50	40-61	100
EHK002-96-	MXX	100	150	152,4	6.00	174,5	6.87	10,5	150	31	450	850	33.46	94,8	28	8,81	5.92	40-61	100
EHK002-128-	M20	20	200	203,2	8.00	229,0	9.02	10,5	150	31	450	1200	47.24	80,0	24	13,69	9.20	20	20
EHK002-160-	M20	20	250	254,0	10.00	281,0	11.06	10,5	150	31	450	1600	62.99	80,0	24	17,16	11.54	20	20

Cement, Plaster and Grout

Dry Bulk

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK016 Dry Bulk Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK016-16-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,62	0.42	40-61	100
EHK016-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	0,82	0.55	40-61	100
EHK016-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31	450	0,95	0.64	40-61	100
EHK016-28-	MXX	100	45	44,5	1.75	58,0	2.28	10,5	150	31	450	1,27	0.85	40-61	100
EHK016-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	1,42	0.95	40-61	100
EHK016-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31	450	1,73	1.16	40-61	100
EHK016-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	2,09	1.41	40-61	100
EHK016-56-	MXX	100	90	88,9	3.50	104,0	4.09	10,5	150	31	450	2,56	1.72	40-61	100
EHK016-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	31	450	3,25	2.18	40-61	100
EHK016-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	31	450	4,84	3.25	40-61	100
EHK016-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	6,00	4.03	40-61	100
EHK016-128-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31	450	8,71	5.86	20-40	20
EHK016-160-	M20	20	250	254,0	10.00	276,0	10.87	10,5	150	31	450	11,40	7.66	20	20

Cement, Plaster and Grout

Dry Bulk

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK010 Dry Bulk Suction & Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK010-16-	MXX	100	25	25,4	1.00	37	1.46	5	75	15,5	225	130	5.12	94,8	28	0,73	0.49	40-61	100
EHK010-20-	MXX	100	31	31,8	1.25	43	1.69	5	75	15,5	225	165	6.50	94,8	28	0,87	0.58	40-61	100
EHK010-24-	MXX	100	38	38,1	1.50	50	1.97	5	75	15,5	225	200	7.87	94,8	28	1,21	0.81	40-61	100
EHK010-32-	MXX	100	51	50,8	2.00	64	2.52	5	75	15,5	225	270	10.63	94,8	28	1,73	1.16	40-61	100
EHK010-40-	MXX	100	60	63,5	2.50	77	3.03	5	75	15,5	225	325	12.80	94,8	28	2,11	1.42	40-61	100
EHK010-48-	MXX	100	80	76,2	3.00	91	3.58	5	75	15,5	225	400	15.75	94,8	28	2,92	1.96	40-61	100
EHK010-56-	MXX	100	90	88,9	3.50	105	4.13	5	75	15,5	225	470	18.50	94,8	28	3,54	2.38	40-61	100
EHK010-64-	MXX	100	102	101,6	4.00	118	4.65	5	75	15,5	225	570	22.44	94,8	28	4,00	2.69	40-61	100
EHK010-80-	MXX	100	130	127,0	5.00	146	5.75	5	75	15,5	225	720	28.35	94,8	28	6,01	4.04	40-61	100
EHK010-96-	MXX	100	150	152,4	6.00	172	6.77	5	75	15,5	225	870	34.25	94,8	28	7,98	5.36	40-61	100
EHK010-128-	M20	20	200	203,2	8.00	227	8.94	5	75	15,5	225	1220	48.03	80,0	24	12,68	8.52	20	20
EHK010-160-	M20	20	250	254,0	10.00	279	10.98	5	75	15,5	225	1630	64.17	80,0	24	15,76	10.59	20	20

Cement, Plaster and Grout

Dry Bulk

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK001 Dry Bulk Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of dry cement and abrasive materials

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK001-32-	MXX	100	51	50,8	2.00	60,4	2.38	5	75	15,5	225	0,96	0.65	40-61	100
EHK001-40-	MXX	100	60	63,5	2.50	73,0	2.87	5	75	15,5	225	1,18	0.79	40-61	100
EHK001-48-	MXX	100	80	76,2	3.00	86,0	3.39	5	75	15,5	225	1,39	0.93	40-61	100
EHK001-50-	MXX	100	80	79,4	3.13	90,0	3.54	5	75	15,5	225	1,52	1.02	40-61	100
EHK001-56-	MXX	100	90	88,9	3.50	100,0	3.94	5	75	15,5	225	1,77	1.19	40-61	100
EHK001-64-	MXX	100	102	101,6	4.00	112,0	4.41	5	75	15,5	225	2,03	1.36	40-61	100
EHK001-67-	MXX	100	110	109,5	4.31	120,0	4.72	5	75	15,5	225	2,10	1.41	40-61	100
EHK001-80-	MXX	100	130	127,0	5.00	137,0	5.39	5	75	15,5	225	2,41	1.62	40-61	100
EHK001-96-	MXX	100	150	152,4	6.00	164,0	6.46	5	75	15,5	225	3,41	2.29	40-61	100
EHK001-128-	MXX	20	200	203,2	8.00	215,0	8.46	5	75	15,5	225	4,66	3.13	20-40	20

Notes

Chemical Service

Suction and Discharge

Discharge

Chemical

Introduction and Safety Information

Remove the Guesswork from Selecting, Buying and Using Critical Application Hose

- When you're handling easily contaminated or hazardous material it is critical to select the proper hose. The high visibility branding and color coding removes the guess work for hose selection.

Environmental Resistance

- The tube and cover materials of Eaton Industrial hose products are designed to assure maximum hose life at a superior value to the customer. Specialty service Eaton hoses are sophisticated transfer products for demanding jobs. Exceptional aging, weathering and heat resistant properties keep the hose flexible and easy to use.

Built to Make Work Faster, Easier and Safer

- Moving and connecting hose several times a day isn't easy work. Each of the industrial hose is designed to be 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 industrial hose. That's why we put the Eaton brand name on them.

Chemical Hose Safety Information

Important!

WARNING: A failure of chemical hose in service can result in serious injury, death, or damage to property.

All chemical hose manufacturers recommend specific hose constructions to handle various chemicals.

IF AFTER CAREFUL REVIEW OF THE CHEMICAL RESISTANCE CHART FOUND IN THIS CATALOG, YOU HAVE ANY QUESTIONS ABOUT PROPER SELECTION OF THE HOSE, DO NOT USE OR RECOMMEND THE HOSE WITHOUT FIRST CONSULTING EATON FOR TECHNICAL ASSISTANCE. IF YOU DO NOT HAVE A MOST RECENT COPY, CONTACT CUSTOMER SUPPORT AT 1-888-258-0222. FOR GLOBAL SUPPORT, CONTACT YOUR LOCAL EATON REPRESENTATIVE.

The chemical resistance chart lists the more commonly used materials, chemicals, solvents, oils, etc. The recommendations are based on room temperature and pressure conditions normally recommended for the particular type of hose being used. Where conditions beyond this can be met readily, they have been so indicated; where conditions are not normal and cannot be readily met, Eaton should always be consulted. The chart does not imply conformance to the Food & Drug Administration requirements or Federal or State Laws when handling food products. The list of chemicals is offered as a guide to the chemical resistance properties of the tube material of the hoses shown. It should be used as a guide only, as the degree of resistance of any elastomer with a particular fluid depends upon such variables as temperature, concentration, pressure conditions, velocity of flow, duration of exposure, aeration, stability of the fluid, etc. Therefore, when in doubt, it is advisable not to use the hose and you should contact your Eaton representative for assistance. Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained in the care and use of this hose and must at all times wear protective clothing. A hose or system failure could cause the release of a poisonous, corrosive or flammable material.

WARNING: If cover blisters exist, be careful not to pop them. If the hose was damaged in such a way that material was allowed to leak between the cover and inner tube, the blisters may contain this material. If the material is hazardous and splatters when the blisters are popped, it could cause serious physical injury.

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: 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.

Chemical Service Hose Maintenance, Testing and Inspection

Foreword

The object of the following procedures is to detect any weakness in a hose assembly before the weakness causes failure of a hose in service. While these testing and inspection procedures may be applied to any hose, the periodic testing and inspection procedures outlined herein are mandatory for all hoses.

Rules for proper selection, handling, use and storage of hose are to be carefully followed. It is imperative that hose, while in storage or in service, not be subjected to any form of abuse such as kinking, exposure to an environment involving extremes of temperature, corrosive or oxidizing fumes or liquids, oils and solvents, ozone, etc. The procedures outlined in the ARPM Hose Handbook, Chapter IX, Care, Maintenance and Storage of Hose should be followed carefully.

Scope

This procedure is intended as a guide for the inspection, maintenance, and testing of chemical hose. It covers hose containing carcass reinforcements of woven fiber fabric; fiber cords; fiber or wire braids; flat, oval or round wire helix; spiral wire or cable; or any combinations of these reinforcements. Chemical hose is available with various types of ends or, where specified, suitable metal fittings.

Handling

Crushing or kinking of the hose can cause severe damage to the reinforcement. Care should be exercised to prevent mishandling.

Do not drag the hose or lift large bore hose from the middle of its length with the ends hanging down. Limit the curvature of the hose to the bend radius recommended by the manufacturer and avoid sharp bends at the end fittings and at manifold connections.

Operation

Important: Personnel involved in an operation using chemical hose must use safety precautions such as wearing eye or face protection, rubber gloves, boots, and other types of protective clothing.

Pressures and temperatures are to be monitored to see that the hose is not exposed to conditions above specified limits. Exceeding specified limits could injure the hose and result in damage to property and serious bodily harm.

Never allow chemicals to drip on the exterior of a hose or allow hose to lay in a pool of chemicals since the hose cover may not have the chemical resistance of the tube. Should a corrosive material come in contact with the reinforcing material, early failure could result.

If kinking or crushing occurs, examine the hose carefully, and, if the outside diameter is reduced 5% to 20%, the hose must be immediately subjected to the Hydrostatic Pressure Test and Examination. If the reduction in diameter is more than 20%, retire the hose from service.

Care must be taken when different chemicals are conveyed in the same hose; the chemicals may react and shorten the service life of the hose. When it is impractical to disconnect the hose line after use, drain any remaining chemical from the hose.

Storage

Before placing chemical hose in storage, the hose must be completely drained and any potentially explosive vapors or corrosive residues flushed out.

WARNING: EXTREME CARE MUST BE TAKEN WHEN FLUSHING OUT A CHEMICAL HOSE WITH WATER; SOME CHEMICALS, SUCH AS CONCENTRATED ACIDS, MAY REACT WITH WATER AND CAUSE SPATTERING WHICH COULD RESULT IN SERIOUS INJURY TO EYES OR OTHER AREAS OF THE BODY.

When flushing a hose, disposal of the effluent must be made in such a manner that environmental problems are not created.

Chemical hose should be stored so that air can circulate through it. This procedure helps extend the life of the hose. Hose should be stored in a cool, dark, dry place at a temperature less than 100°F (38°C).

Frequency of Inspection and Pressure Testing When chemical hose is used in bulk transfer service, it shall be visually inspected daily and hydrostatically tested every 90 days. The details of the examination and testing are listed in this catalog. An inspection card and recording system should be adopted for chemical hose used in dock applications.

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: Kinks can cause hose to burst, leading to bodily harm.

This information taken from the ARPM, Hose Technical Information Sub Committee, IP-11-7 Chemical Hose, Copyright 1979, Revised 1987. (202) 682-1338

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0060 ARMORCAT™ Corrugated Petrochemical

Construction:

Tube: UHMW–PE FDA-approved material

Reinforcement: 2-wire braid, dual stainless steel static wire

Cover: Corrugated EPDM

Operating Temperature:

-43°C to +121°C
(-45°F to +250°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H006032-		100	51	50,8	2.00	65,9	2.59	35	500	138	2000	304,8	12.00	94,8	28	2,31	1.55		100
H006032-		150	51	50,8	2.00	65,9	2.59	35	500	138	2000	304,8	1200	94,8	28	2,31	1.55		150

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0554 ARMORCAT™ Petrochemical

Construction:

Tube: UHMW-PE FDA-approved material

Reinforcement: 2-wire braid, dual stainless steel static wire, 3.00" and 4.00" helical wire

Cover: EPDM

Operating Temperature:

-43°C to +121°C
(-45°F to +250°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H055416		50	25	25,4	1.00	38,7	1.52	35	500	138	2000	152,4	6.00	94,8	28	0,82	0.55		50
H055416-		150	25	25,4	1.00	38,7	1.52	35	500	138	2000	152,4	6.00	94,8	28	0,82	0.55		150
H055424-		150	38	38,1	1.50	50,0	1.97	35	500	138	2000	203,2	8.00	94,8	28	1,44	0.97		150
H055432		50	51	50,8	2.00	65,9	2.59	35	500	138	2000	355,6	14.00	94,8	28	2,31	1.55		50
H055432-		100	51	50,8	2.00	65,9	2.59	35	500	138	2000	355,6	14.00	94,8	28	2,31	1.55		100
H055448		50	80	76,2	3.00	95,3	3.75	35	500	138	2000	558,8	22.00	94,8	28	3,44	2.31		50
H055448-		150	80	76,2	3.00	95,3	3.75	35	500	138	2000	558,8	22.00	94,8	28	3,44	2.31		150
H055464-		150	102	101,6	4.00	121,2	4.77	35	500	138	2000	558,8	22.00	94,8	28	6,28	4.22		150

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0599 CHEMCAT™ Corrugated Petrochemical

Construction:

Tube: UHMW–PE FDA-approved material

Reinforcement: 2-ply fiber with dual helical wire

Cover: Corrugated EPDM

Operating Temperature:

-43°C to +121°C
(-45°F to +250°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H059916-		150	25	25,4	1.00	38,9	1.53	20,7	300	83	1200	76,2	3.00	94,8	28	0,82	0.55		150
H059920-		150	31	31,8	1.25	47,6	1.87	20,7	300	83	1200	76,2	4.00	94,8	28	1,00	0.67		150
H059924-		100	38	38,1	1.50	54,0	2.13	20,7	300	83	1200	76,2	4.00	94,8	28	1,32	0.89		50, 100
H059932-		100	51	50,8	2.00	67,0	2.64	17,2	250	70	1000	127,0	5.00	94,8	28	1,73	1.16		50, 100
H059948-		100	80	76,2	3.00	92,2	3.63	12,1	175	48	700	165,1	6.50	94,8	28	2,50	1.68		50, 100
H059964-		150	102	101,6	4.00	118,7	4.67	10,5	150	52	750	241,3	9.50	94,8	28	3,36	2.26		150

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0523 CHEMCAT™ Petrochemical

Construction:

Tube: UHMW-PE FDA-approved material

Reinforcement: 2-ply fiber and dual helical wires

Cover: EPDM

Operating Temperature:

-40°C to +80°C
(-40°F to +250°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Food transfer

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Ship building
- Forest products

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H052312XX-100	19	19,0	0.75	30,6	1.20	20,7	300	83	1200	101,6	4.00	94,8	28	0,46	0.31	30,5	100
H052316XX-100	25	25,4	1.00	38,9	1.53	20,7	300	83	1200	139,7	5.50	94,8	28	0,82	0.55	30,5	100
H052320XX-100	31	31,8	1.25	47,8	1.88	20,7	300	83	1200	152,4	6.00	94,8	28	1,00	0.67	30,5	100
H052324XX-100	38	38,1	1.50	54,1	2.13	20,7	300	83	1200	190,5	7.50	94,8	28	1,33	0.89	30,5	100
H052332XX-100	51	50,8	2.00	66,8	2.63	20,7	300	83	1200	203,2	8.00	94,8	28	1,74	1.16	30,5	100
H052340XX-100	60	63,5	2.50	79,5	3.13	20,7	300	83	1200	203,2	8.00	94,8	28	2,13	1.42	30,5	100
H052348XX-100	80	76,2	3.00	92,2	3.63	17,2	250	70	1000	228,6	9.00	94,8	28	2,52	1.68	30,5	100
H052364XX-100	102	101,6	4.00	118,6	4.67	12,1	175	48	700	381,0	15.00	94,8	28	3,39	2.26	30,5	100

* Additional lengths available on select items
** XX notes color; GN for green, PR for purple

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC006 Heavy Duty UHMW Suction and Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile, steel helical wire and dual anti-static copper wires

Cover: EPDM rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For suction and discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC006-12GN-	MXX	100	19	19,0	0.75	31	1.22	17,2	250	70	1000	187	7.36	94,8	28	0,67	0.45	40-61	100
EHC006-16GN-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	70	1000	225	8.86	94,8	28	0,83	0.56	40-61	100
EHC006-20GN-	MXX	100	31	31,8	1.25	44	1.73	17,2	250	70	1000	262	10.31	94,8	28	1,04	0.70	40-61	100
EHC006-24GN-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	70	1000	338	13.31	94,8	28	1,40	0.94	40-61	100
EHC006-32GN-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	70	1000	410	16.14	94,8	28	2,25	1.51	40-61	100
EHC006-40GN-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	70	1000	450	17.72	94,8	28	2,60	1.75	40-61	100
EHC006-48GN-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	70	1000	525	20.67	94,8	28	3,22	2.16	40-61	100
EHC006-64GN-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	70	1000	675	26.58	94,8	28	4,57	3.07	40-61	100

* Product also available in BK-black and BU-Blue

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC019 Hard Wall Heavy Duty UHMW Suction and Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile, dual steel helical wire and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of corrosive chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC019-48-	MXX	100	80	76,2	3.00	92,0	3.62	17,2	250	70	1000	530	20.87	80,0	24	3,20	2.15	40-61	100
EHC019-64-	MXX	100	102	101,6	4.00	121,0	7.64	17,2	250	70	1000	700	27.56	80,0	24	4,75	3.19	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC005 Corrugated UHMW Suction and Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile, steel helical wire and anti-static copper wire

Cover: Corrugated EPDM

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male MPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC005-12GN-	MXX	100	19	19,0	0.75	29,0	1.14	10,5	150	41	600	90	3.54	94,8	28	0,57	0.38	40-61	100
EHC005-16GN-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	41	600	110	4.33	94,8	28	0,76	0.51	40-61	100
EHC005-20GN-	MXX	100	31	31,8	1.25	44,0	1.69	10,5	150	41	600	150	5.91	94,8	28	1,08	0.73	40-61	100
EHC005-24GN-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	41	600	175	6.89	94,8	28	1,24	0.83	40-61	100
EHC005-32GN-	MXX	100	51	50,8	2.00	65,0	2.56	10,5	150	41	600	250	9.84	94,8	28	1,96	1.32	40-61	100
EHC005-40GN-	MXX	100	60	63,5	2.50	78,0	3.07	10,5	150	41	600	325	12.80	94,8	28	2,33	1.57	40-61	100
EHC005-48GN-	MXX	100	80	76,2	3.00	91,0	3.58	10,5	150	41	600	450	17.72	94,8	28	2,99	2.01	40-61	100
EHC005-64GN-	MXX	100	102	101,6	4.00	118,0	4.69	10,5	150	41	600	650	25.59	94,8	28	4,28	2.87	40-61	100

*Product available in additional colors on a MTO basis

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC004 UHMW Suction and Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile, steel helical wire and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC004-12GN-	MXX	100	19	19,0	0.75	31	1.22	10,5	150	41	600	80	3.15	94,8	28	0,69	0.46	40-61	100
EHC004-16GN-	MXX	100	25	25,4	1.00	37	1.46	10,5	150	41	600	110	4.33	94,8	28	0,82	0.55	40-61	100
EHC004-20GN-	MXX	100	31	31,8	1.25	45	1.77	10,5	150	41	600	165	6.50	94,8	28	1,12	0.75	40-61	100
EHC004-24GN-	MXX	100	38	38,1	1.50	52	2.05	10,5	150	41	600	225	8.86	94,8	28	1,50	1.01	40-61	100
EHC004-28GN-	MXX	100	45	44,5	1.75	59	2.32	10,5	150	41	600	285	11.22	94,8	28	1,82	1.22	40-61	100
EHC004-32GN-	MXX	100	51	50,8	2.00	67	2.64	10,5	150	41	600	350	13.78	94,8	28	2,28	1.53	40-61	100
EHC004-40GN-	MXX	100	60	63,5	2.50	80	3.15	10,5	150	41	600	450	17.72	94,8	28	2,78	1.87	40-61	100
EHC004-44GN-	MXX	100	45	44,5	2.75	87	3.43	10,5	150	41	600	550	21.65	94,8	28	3,18	2.14	40-61	100
EHC004-48GN-	MXX	100	80	76,2	3.00	93	3.66	10,5	150	41	600	800	31.50	94,8	28	3,32	2.23	40-61	100
EHC004-64GN-	MXX	100	102	101,6	4.00	120	4.72	10,5	150	41	600	1200	47.24	94,8	28	4,88	3.28	40-61	100

*Product also available in BK-Black and BU-Blue

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0661 COUGAR™ Corrugated

Construction:

Tube: CPE

Reinforcement: 2-ply fiber with helical wire

Cover: EPDM

Operating Temperature:

-43°C to +135°C
(-45°F to +275°F)

Application:

- For in-plant transfer of chemicals, alcohols, acids and petroleum products

Markets:

- In-plant transfers
- Tank truck
- Paper/pulp industry

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H066132-		150	51	50,8	2.00	67,0	2.64	12,1	175	48	700	152,4	6.00	94,8	28	1,73	1.16		150
H066148-		150	80	76,2	3.00	92,2	3.63	12,1	175	48	700	229,0	9.00	94,8	28	2,50	1.68		150

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H8359 PANTHER™ Chemical

Construction:

Tube: XLPE

Reinforcement:
2-ply fiber with helical wire

Cover: EPDM

Operating Temperature:

-43°C to +66°C
(-45°F to +150°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H835916-		150	25	25,4	1.00	38,9	1.53	17,2	250	70	1000	127,0	5.00	94,8	28	1,07	0.72		150
H835920-		150	31	31,8	1.25	47,6	1.87	17,2	250	70	1000	203,2	8.00	94,8	28	1,28	0.86		150
H835924-		150	38	38,1	1.50	54,0	2.13	17,2	250	70	1000	203,2	8.00	94,8	28	1,32	0.89		150
H835932-		150	51	50,8	2.00	66,7	2.63	17,2	250	70	1000	228,6	9.00	94,8	28	1,68	1.13		150
H835940-		150	60	63,5	2.50	79,4	3.13	12,1	175	48	700	304,8	12.00	94,8	28	2,08	1.40		150
H835948-		150	80	76,2	3.00	92,1	3.63	12,1	175	48	700	406,4	16.00	94,8	28	2,44	1.64		150
H835964-		150	102	101,6	4.00	119,1	4.69	12,1	175	48	700	533,4	21.00	94,8	28	3,56	2.39		150

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC003 Heavy Duty XLPE Suction and Discharge

Construction:

Tube: XLPE

Reinforcement: High-tensile synthetic textile, dual steel helical wire and dual anti-static copper wires

Cover: CR rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of chemicals, and solvents.

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC003-12GN-	MXX	100	19	19,0	0.75	31	1.22	17,2	250	70	1000	187	7.36	94,8	28	0,64	0.43	40-61	100
EHC003-16GN-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	70	1000	225	8.86	94,8	28	0,82	0.55	40-61	100
EHC003-20GN-	MXX	100	31	31,8	1.25	44	1.73	17,2	250	70	1000	262	10.31	94,8	28	1,02	0.69	40-61	100
EHC003-24GN-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	70	1000	338	13.31	94,8	28	1,38	0.93	40-61	100
EHC003-32GN-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	70	1000	410	16.14	94,8	28	2,24	1.51	40-61	100
EHC003-40GN-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	70	1000	450	17.72	94,8	28	2,65	1.78	40-61	100
EHC003-48GN-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	70	1000	525	20.67	94,8	28	3,27	2.20	40-61	100
EHC003-64GN-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	70	1000	675	26.58	94,8	28	4,84	3.25	40-61	100

* Product also available in BK-black and BU-Blue

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0615 Corrugated Green CROSS-LINKED™

Construction:

Tube: XLPE

Reinforcement: 2-ply fiber with helical wire

Cover: Corrugated EPDM

Operating Temperature:

-43°C to +66°C
(-45°F to +150°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H061532-		150	51	50,8	2.00	66,7	2.63	17,2	250	70	1000	152,4	7.00	94,8	28	1.68	1.13		150
H061548-		150	80	76,2	3.00	92,1	3.63	12,1	175	48	700	304,8	12.00	94,8	28	2,44	1.64		150

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0378 Green CROSS-LINKED™

Construction:

Tube: XLPE

Reinforcement: 2-ply fiber, with helical wire

Cover: EPDM

Operating Temperature:

-43°C to +66°C
(-45°F to +150°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H037816-		150	25	25,4	1.00	38,9	1.53	17,2	250	70	1000	127,0	5.00	94,8	28	1,07	0.72		150
H037820-		150	31	31,8	1.25	47,6	1.87	17,2	250	70	1000	203,2	8.00	94,8	28	1,28	0.86		150
H037824-		150	38	38,1	1.50	54,0	2.13	17,2	250	70	1000	203,2	8.00	94,8	28	1.32	0.89		150
H037832-		150	51	50,8	2.00	66,7	2.63	17,2	250	70	1000	228,6	9.00	94,8	28	1.68	1.13		150
H037848-		150	80	76,2	3.00	92,1	3.63	12,1	175	48	700	406,4	16.00	94,8	28	2,44	1.64		150
H037864-		150	102	101,6	4.00	119,1	4.67	12,1	175	48	700	533,4	21.00	94,8	28	3,56	2.39		150

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC002 Corrugated XLPE Suction and Discharge

Construction:

Tube: XLPE

Reinforcement: High-tensile synthetic textile, dual steel helical wire and anti-static copper wire

Cover: Flat corrugated EPDM

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC002-12GN-	MXX	100	19	19,0	0.75	29,0	1.14	10,5	150	31	450	70	2.76	94,8	28	0,49	0.33	40-61	100
EHC002-16GN-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	31	450	100	3.94	94,8	28	0,64	0.43	40-61	100
EHC002-20GN-	MXX	100	31	31,8	1.25	43,0	1.69	10,5	150	31	450	130	5.12	94,8	28	0,96	0.65	40-61	100
EHC002-24GN-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31	450	160	6.30	94,8	28	1,11	0.75	40-61	100
EHC002-32GN-	MXX	100	51	50,8	2.00	64,0	2.52	10,5	150	31	450	250	9.84	94,8	28	1,60	1.08	40-61	100
EHC002-40GN-	MXX	100	60	63,5	2.50	78,0	3.07	10,5	150	31	450	350	13.78	94,8	28	2,26	1.52	40-61	100
EHC002-48GN-	MXX	100	80	76,2	3.00	91,0	3.58	10,5	150	31	450	450	17.72	94,8	28	2,60	1.75	40-61	100
EHC002-64GN-	MXX	100	102	101,6	4.00	119,0	4.69	10,5	150	31	450	700	27.56	94,8	28	4,33	2.91	40-61	100
EHC002-80GN-	MXX	100	130	127,0	5.00	148,0	5.83	10,5	150	31	450	900	35.43	94,8	28	6,75	4.54	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC001 XLPE Suction and Discharge

Construction:

Tube: XLPE

Reinforcement: High-tensile synthetic textile, dual steel helical wire and anti-static copper wire

Cover: EPDM

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC001-12GN-	MXX	100	19	19,0	0.75	31	1.22	10,5	150	41	600	80	3.15	94,8	28	0,67	0.45	40-61	100
EHC001-16GN-	MXX	100	25	25,4	1.00	37	1.46	10,5	150	41	600	110	4.33	94,8	28	0,82	0.55	40-61	100
EHC001-20GN-	MXX	100	31	31,8	1.25	45	1.77	10,5	150	41	600	165	6.50	94,8	28	1,13	0.76	40-61	100
EHC001-24GN-	MXX	100	38	38,1	1.50	52	2.05	10,5	150	41	600	225	8.86	94,8	28	1,46	0.98	40-61	100
EHC001-28GN-	MXX	100	45	44,5	1.75	59	2.32	10,5	150	41	600	285	11.22	94,8	28	1,78	1.20	40-61	100
EHC001-32GN-	MXX	100	51	50,8	2.00	67	2.64	10,5	150	41	600	350	13.78	94,8	28	2,26	1.52	40-61	100
EHC001-40GN-	MXX	100	60	63,5	2.50	80	3.15	10,5	150	41	600	450	17.72	94,8	28	2,82	1.90	40-61	100
EHC001-44GN-	MXX	100	70	70,0	2.75	87	3.43	10,5	150	41	600	550	21.65	94,8	28	3,19	2.14	40-61	100
EHC001-48GN-	MXX	100	80	76,2	3.00	93	3.66	10,5	150	41	600	800	31.50	94,8	28	3,43	2.31	40-61	100
EHC001-64GN-	MXX	100	102	101,6	4.00	120	4.72	10,5	150	41	600	1200	47.24	94,8	28	5,29	3.56	40-61	100

* Product available in black on a MTO basis

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC018 Hard Wall Heavy Duty XLPE Suction & Discharge

Construction:

Tube: XLPE

Reinforcement: High-tensile synthetic textile, dual steel helical wire and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of corrosive chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male MPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC018-48-	MXX	100	80	76,1	3.00	91	3.58	10,5	150	41	600	530	20.87	80,0	24	3,20	2.15	40-61	100
EHC018-64-	MXX	100	102	101,6	4.00	120	4.72	10,5	150	41	600	700	27.56	80,0	24	4,68	3.14	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC011 Heavy EPDM Suction and Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile, dual steel helical wires and anti-static copper wire

Cover: CR rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For suction and discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC011-12-	MXX	100	19	19,0	0.75	31	1.22	17,2	250	70	1000	75	2.95	94,8	28	0,63	0.42	40-61	100
EHC011-16-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	70	1000	100	3.94	94,8	28	0,78	0.52	40-61	100
EHC011-20-	MXX	100	31	31,8	1.25	44	1.73	17,2	250	70	1000	125	4.92	94,8	28	1,03	0.69	40-61	100
EHC011-24-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	70	1000	150	5.90	94,8	28	1,42	0.95	40-61	100
EHC011-32-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	70	1000	225	8.86	94,8	28	2,20	1.48	40-61	100
EHC011-40-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	70	1000	280	11.02	94,8	28	2,67	1.79	40-61	100
EHC011-48-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	70	1000	340	13.39	80,0	24	3,16	2.12	40-61	100
EHC011-64-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	70	1000	455	17.91	80,0	24	4,36	2.93	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0345 TIGER™ Acid Suction

Construction:

Tube: EPDM

Reinforcement:
2-ply fiber with helical wire

Cover: EPDM

Operating Temperature:

-43°C to +82°C
(-45°F to +180°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H034524-		100	38	38,1	1.50	60,3	2.37	10,5	150	41	600	101,6	4.00	94,8	28	2,31	1.55		100
H034532-		100	51	50,8	2.00	73,0	2.87	10,5	150	41	600	127,0	5.00	94,8	28	2.86	1.92		100
H034548-		100	80	76,2	3.00	100,0	3.94	10,5	150	41	600	228,6	9.00	94,8	28	4,25	2.86		100
H034564-		150	102	101,6	4.00	125,4	4.94	10,5	150	41	600	279,4	11.00	94,8	28	5,49	3.69		150
H034596		150	150	152,4	6.00	183,4	7.22	10,5	150	41	600	762,0	30.00	94,8	28	11,63	7.82		150

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC009 Corrugated EPDM Suction and Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile, steel helical wire and anti-static copper wire

Cover: Corrugated EPDM rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For suction and discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC009-12-	MXX	100	19	19,0	0.75	29,5	1.16	10,5	150	41	600	75	2.95	94,8	28	0,61	0.41	40-61	100
EHC009-16-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	41	600	100	3.94	94,8	28	0,76	0.51	40-61	100
EHC009-20-	MXX	100	31	31,8	1.25	43,0	1.69	10,5	150	41	600	125	4.92	94,8	28	0,99	0.67	40-61	100
EHC009-24-	MXX	100	38	38,1	1.50	49,0	1.93	10,5	150	41	600	150	5.90	94,8	28	1,15	0.77	40-61	100
EHC009-28-	MXX	100	45	44,5	1.75	56,5	2.22	10,5	150	41	600	190	7.48	94,8	28	1,41	0.95	40-61	100
EHC009-32-	MXX	100	51	50,8	2.00	63,0	2.48	10,5	150	41	600	240	9.45	94,8	28	1,73	1.16	40-61	100
EHC009-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	41	600	305	12.00	94,8	28	2,47	1.66	40-61	100
EHC009-44-	MXX	100	45	44,5	2.75	83,5	3.29	10,5	150	41	600	335	13.19	94,8	28	2,70	1.82	40-61	100
EHC009-48-	MXX	100	80	76,2	3.00	92,5	3.64	10,5	150	41	600	380	14.96	94,8	28	3,40	2.29	40-61	100
EHC009-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	41	600	525	20.67	94,8	28	4,42	2.97	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC008 EPDM Suction and Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile, steel helical wire and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For suction and discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC008-12-	MXX	100	19	19,0	0.75	30	1.18	10,5	150	41	600	75	2.95	94,8	28	0,61	0.41	40-61	100
EHC008-16-	MXX	100	25	25,4	1.00	36	1.42	10,5	150	41	600	100	3.94	94,8	28	0,72	0.48	40-61	100
EHC008-20-	MXX	100	31	31,8	1.25	44	1.73	10,5	150	41	600	125	4.92	94,8	28	1,02	0.69	40-61	100
EHC008-24-	MXX	100	38	38,1	1.50	51	2.01	10,5	150	41	600	150	5.90	94,8	28	1,36	0.91	40-61	100
EHC008-28-	MXX	100	45	44,5	1.75	58	2.28	10,5	150	41	600	190	7.48	94,8	28	1,63	1.10	40-61	100
EHC008-32-	MXX	100	51	50,8	2.00	66	2.60	10,5	150	41	600	225	8.86	94,8	28	2,08	1.40	40-61	100
EHC008-40-	MXX	100	60	63,5	2.50	79	3.11	10,5	150	41	600	280	11.02	94,8	28	2,70	1.82	40-61	100
EHC008-44-	MXX	100	45	44,5	2.75	86	3.39	10,5	150	41	600	315	12.40	94,8	28	3,01	2.02	40-61	100
EHC008-48-	MXX	100	80	76,1	3.00	92	3.62	10,5	150	41	600	340	13.39	94,8	28	3,24	2.18	40-61	100
EHC008-64-	MXX	100	102	101,6	4.00	118	4.65	10,5	150	41	600	455	17.91	94,8	28	4,55	3.06	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC013 CSM Suction and Discharge

Construction:

Tube: CSM rubber

Reinforcement: High-tensile synthetic textile, steel helical wire and anti-static copper wire

Cover: NBR rubber

Operating Temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:

- For suction and discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC013-12-	MXX	100	19	19,0	0.75	30	1.18	10,5	150	31	450	75	2.95	94,8	28	0,59	0.40	40-61	100
EHC013-16-	MXX	100	25	25,4	1.00	36	1.42	10,5	150	31	450	100	3.94	94,8	28	0,70	0.47	40-61	100
EHC013-20-	MXX	100	31	31,8	1.25	44	1.73	10,5	150	31	450	125	4.92	94,8	28	1,01	0.68	40-61	100
EHC013-24-	MXX	100	38	38,1	1.50	51	2.01	10,5	150	31	450	150	5.90	94,8	28	1,35	0.91	40-61	100
EHC013-28-	MXX	100	45	44,5	1.75	58	2.28	10,5	150	31	450	190	7.48	94,8	28	1,59	1.07	40-61	100
EHC013-32-	MXX	100	51	50,8	2.00	66	2.60	10,5	150	31	450	225	8.86	94,8	28	2,03	1.36	40-61	100
EHC013-40-	MXX	100	60	63,5	2.50	79	3.11	10,5	150	31	450	280	11.02	94,8	28	2,63	1.77	40-61	100
EHC013-48-	MXX	100	80	76,2	3.00	92	3.62	10,5	150	31	450	340	13.39	94,8	28	3,19	2.14	40-61	100
EHC013-64-	MXX	100	102	101,6	4.00	118	4.65	10,5	150	31	450	455	17.91	94,8	28	4,26	2.86	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC017 Heavy Duty UHMW Discharge

Construction:

Tube: UHWM-PE

Reinforcement: High-tensile synthetic textile, and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC017-12GN-	MXX	100	19	19,0	0.75	31	1.22	17,2	250	70	1000	187	7.36	0,55	0.37	40-61	100
EHC017-16GN-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	70	1000	225	8.86	0,67	0.45	40-61	100
EHC017-20GN-	MXX	100	31	31,8	1.25	44	1.73	17,2	250	70	1000	262	10.31	1,02	0.69	40-61	100
EHC017-24GN-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	70	1000	338	13.31	1,18	0.79	40-61	100
EHC017-32GN-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	70	1000	410	16.14	1,68	1.13	40-61	100
EHC017-40GN-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	70	1000	450	17.72	2,20	1.48	40-61	100
EHC017-48GN-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	70	1000	525	20.67	2,70	1.82	40-61	100
EHC017-64GN-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	70	1000	675	26.57	3,61	2.43	40-61	100

*Product also available in BK-Black and BU-Blue

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC016 UHMW Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHC016-12GN-	MXX	100	19	19,0	0.75	30	1.18	10,5	150	41	600	0,56	0.38	40-61	100
EHC016-16GN-	MXX	100	25	25,4	1.00	36	1.42	10,5	150	41	600	0,66	0.44	40-61	100
EHC016-20GN-	MXX	100	31	31,8	1.25	45	1.77	10,5	150	41	600	1,19	0.80	40-61	100
EHC016-24GN-	MXX	100	38	38,1	1.50	51	2.01	10,5	150	41	600	1,58	1.06	40-61	100
EHC016-28GN-	MXX	100	45	44,5	1.75	59	2.32	10,5	150	41	600	1,75	1.18	40-61	100
EHC016-32GN-	MXX	100	51	50,8	2.00	65	2.56	10,5	150	41	600	2,23	1.50	40-61	100
EHC016-40GN-	MXX	100	60	63,5	2.50	79	3.11	10,5	150	41	600	2,50	1.68	40-61	100
EHC016-44GN-	MXX	100	45	44,5	2.75	86	3.39	10,5	150	41	600	2,71	1.82	40-61	100
EHC016-48GN-	MXX	100	80	76,2	3.00	92	3.62	10,5	150	41	600	3,21	2.16	40-61	100
EHC016-64GN-	MXX	100	102	101,6	4.00	118	4.65	10,5	150	41	600	3,77	2.53	40-61	100

*Product also available in BK-Black and BU-Blue

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC015 Heavy Duty XLPE Discharge

Construction:

Tube: UHWM-PE

Reinforcement: High-tensile synthetic textile, and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC015-12GN-	MXX	100	19	19,0	0.75	31	1.22	17,2	250	70	1000	187	7.36	0,60	0.40	40-61	100
EHC015-16GN-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	70	1000	225	8.86	0,71	0.48	40-61	100
EHC015-20GN-	MXX	100	31	31,8	1.25	44	1.73	17,2	250	70	1000	262	10.31	0,93	0.63	40-61	100
EHC015-24GN-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	70	1000	338	13.31	1,19	0.80	40-61	100
EHC015-32GN-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	70	1000	410	16.14	1,91	1.28	40-61	100
EHC015-40GN-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	70	1000	450	17.72	2,22	1.49	40-61	100
EHC015-48GN-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	70	1000	525	20.67	2,65	1.78	40-61	100
EHC015-64GN-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	70	1000	675	26.57	3,65	2.45	40-61	100

*Product also available in BK-Black and BU-Blue

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC014 XLPE Discharge

Construction:

Tube: XLPE

Reinforcement: High-tensile synthetic textile, and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHC014-12GN-	MXX	100	19	19,0	0.75	30	1.18	10,5	150	41	600	0,55	0.37	40-61	100
EHC014-16GN-	MXX	100	25	25,4	1.00	36	1.42	10,5	150	41	600	0,67	0.45	40-61	100
EHC014-20GN-	MXX	100	31	31,8	1.25	45	1.77	10,5	150	41	600	1,02	0.69	40-61	100
EHC014-24GN-	MXX	100	38	38,1	1.50	51	2.01	10,5	150	41	600	1,18	0.79	40-61	100
EHC014-28GN-	MXX	100	45	44,5	1.75	59	2.32	10,5	150	41	600	1,59	1.07	40-61	100
EHC014-32GN-	MXX	100	51	50,8	2.00	65	2.56	10,5	150	41	600	1,68	1.13	40-61	100
EHC014-40GN-	MXX	100	60	63,5	2.50	79	3.11	10,5	150	41	600	2,20	1.48	40-61	100
EHC014-48GN-	MXX	100	80	76,2	3.00	92	3.62	10,5	150	41	600	2,70	1.82	40-61	100
EHC014-64GN-	MXX	100	102	101,6	4.00	118	4.65	10,5	150	41	600	3,61	2.43	40-61	100

*Product also available in BK-Black

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9699 ALLEYCAT™ Hot Liquid

Construction:

Tube: Synthetic rubber for high temperature

Reinforcement: 2-wire braid with anti-static wire

Cover: EPDM

Operating Temperature:

-40°C to +149°C
(-40°F to +300°F)

Application:

- For in-plant transfer of liquors and cleaning solutions

Markets:

- In-plant transfers
- Tank truck
- Paper/pulp industry

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H969924-		50	38	38,1	1.50	55,6	2.19	41	600	165	2400	203,2	8.00	94,8	28	2,23	1.50		50, 150
H969932-		50	51	50,8	2.00	68,3	2.69	41	600	165	2400	406,4	16.00	94,8	28	2,63	1.77		50

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC010 Heavy Duty EPDM Discharge

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile, and dual anti-static copper wire

Cover: CR rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC010-12-	MXX	100	19	19,0	0.75	31	1.22	17,2	250	70	1000	125	4.92	0,63	0.42	40-61	100
EHC010-16-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	70	1000	150	5.91	0,75	0.50	40-61	100
EHC010-20-	MXX	100	31	31,8	1.25	44	1.73	17,2	250	70	1000	175	6.89	0,93	0.63	40-61	100
EHC010-24-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	70	1000	225	8.86	1,20	0.81	40-61	100
EHC010-32-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	70	1000	275	10.83	1,94	1.30	40-61	100
EHC010-40-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	70	1000	300	11.81	2,31	1.55	40-61	100
EHC010-48-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	70	1000	350	13.78	2,71	1.82	40-61	100
EHC010-64-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	70	1000	450	17.72	3,72	2.50	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0346 LEOPARD™ Acid Discharge

Construction:

Tube: EPDM

Reinforcement: 2-ply fiber

Cover: EPDM

Operating Temperature:

-43°C to +82°C
(-45°F to +180°F)

Application:

- For transfer of acids, chemicals, solvents, and petroleum products
- Loading and unloading, pumping, suction, or gravity flow discharge

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H034624-		100	38	38,1	1.50	57,4	2.26	10,5	150	41	600	152,4	6.00	94,8	28	1,79	1.20		100
H034632-		100	51	50,8	2.00	69,9	2.75	10,5	150	41	600	228,6	9.00	94,8	28	2,23	1.50		100
H034648-		100	80	76,2	3.00	98,0	3.86	7,0	100	28	400	508,0	20.00	94,8	28	3,12	2.10		100
H034664		50	102	101,6	4.00	123,4	4.86	7,0	100	28	400	762,0	30.00	94,8	28	3,87	2.60		50

Elevated temperatures can change chemical resistance ratings. Please refer to the Chemical Compatibility information prior to use. Factors such as concentration, fluid contamination, and extreme temperatures may affect these performance specification. Please consult Eaton catalog or Technical Support for proper application.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC007 EPDM Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHC007-12-	MXX	100	19	19,0	0.75	29	1.14	10,5	150	41	600	0,48	0.32	40-61	100
EHC007-16-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	41	600	0,60	0.40	40-61	100
EHC007-20-	MXX	100	31	31,8	1.25	43	1.69	10,5	150	41	600	0,86	0.58	40-61	100
EHC007-24-	MXX	100	38	38,1	1.50	49	1.93	10,5	150	41	600	0,99	0.67	40-61	100
EHC007-28-	MXX	100	45	44,5	1.75	56	2.20	10,5	150	41	600	1,18	0.79	40-61	100
EHC007-32-	MXX	100	51	50,8	2.00	64	2.52	10,5	150	41	600	1,55	1.04	40-61	100
EHC007-40-	MXX	100	60	63,5	2.50	77	3.03	10,5	150	41	600	1,91	1.28	40-61	100
EHC007-44	MXX	100	70	70,0	2.75	84	3.31	10,5	150	41	600	2,19	1.47	40-61	100
EHC012-48-	MXX	100	80	76,2	3.00	90	3.54	10,5	150	41	600	2,37	1.59	40-61	100
EHC012-64-	MXX	100	102	101,6	4.00	116	4.57	10,5	150	41	600	3,11	2.09	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC012 CSM Discharge

Construction:

Tube: CSM rubber

Reinforcement: High-tensile synthetic textile, and anti-static copper wire

Cover: NBR rubber

Operating Temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:

- For discharge of chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple
- Male NPT

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHC012-12-	MXX	100	19	19,0	0.75	29	1.14	10,5	150	31	450	0,59	0.40	40-61	100
EHC012-16-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	31	450	0,70	0.47	40-61	100
EHC012-20-	MXX	100	31	31,8	1.25	43	1.69	10,5	150	31	450	1,01	0.68	40-61	100
EHC012-24-	MXX	100	38	38,1	1.50	49	1.93	10,5	150	31	450	1,35	0.91	40-61	100
EHC012-28-	MXX	100	45	44,5	1.75	56	2.20	10,5	150	31	450	1,59	1.07	40-61	100
EHC012-32-	MXX	100	51	50,8	2.00	64	2.52	10,5	150	31	450	2,03	1.36	40-61	100
EHC012-40-	MXX	100	60	63,5	2.50	77	3.03	10,5	150	31	450	2,63	1.77	40-61	100
EHC012-48-	MXX	100	80	76,2	3.00	90	3.54	10,5	150	31	450	3,19	2.14	40-61	100
EHC012-64-	MXX	100	102	101,6	4.00	116	4.57	10,5	150	31	450	4,26	2.86	40-61	100

Eaton Industrial Hose Reminder

Selection of Hose Ends

Proper Selection of Hose Ends

Selection of the proper Eaton Industrial hose end or coupling is essential to the proper operation and safe use of hose assemblies and related equipment.

Inadequate attention to the selection of the end fittings may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage form spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from selection of an incompatible hose end or coupling, you should carefully review the information in this catalog. Some factors which are involved in selection of the proper hose couplings are:

- Fluid compatibility
- Temperature
- Installation design
- Hose size
- Corrosion requirements
- Fluid conveyed

The given hose and hose end selection factors and the other information contained in this catalog should be considered by you in selecting the proper hose end fitting for your application.

If you have any questions regarding the use of hose/hose ends, for North America contact Eaton Technical Support 1-888-258-0222 for global support contact your local Eaton technical representative.

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminium, brass etc.) and attachment procedure with crimp specifications.

Food and Beverage

Food and Beverage

Introduction and Safety Information

Remove the Guesswork from Selecting, Buying and Using Critical Application Hose

- When you are handling easily contaminated or hazardous material it is critical to select the proper hose. The high visibility branding and color coding removes the guesswork from hose selection.

Environmental Resistance

- The tube and cover materials of the Eaton Industrial Hose 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 Industrial Hose is designed to be 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 Industrial Hose. That's why we put the Eaton brand name on them.

Food and Beverage Hose Safety Information

Important!

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: 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.

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.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0350 LION™ Food Transfer

Construction:

Tube: Vinyl nitrile

Reinforcement: 2-ply fiber helical wire

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of non-dairy food products

Markets:

- Food processing
- Tank truck
- Rail car

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H035032-		100	51	50,8	2.00	66,7	2.63	17,2	250	70	1000	127,0	5.00	94,8	28	2.38	1.60		100
H035032-		150	51	50,8	2.00	66,7	2.63	17,2	250	70	1000	127,0	5.00	94,8	28	2.38	1.60		150
H035048-		100	80	76,2	3.00	92,1	3.63	17,2	250	70	1000	317,5	12.50	94,8	28	3.17	2.13		100
H035064-		150	102	101,6	4.00	118,3	4.66	17,2	250	70	1000	317,5	12.50	94,8	28	5.24	3.52		150

Food and Beverage

Food Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0384 Grey Food Transfer

Construction:

Tube: Vinyl nitrile

Reinforcement: 2-ply fiber with helical wire

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of bulk abrasive material for food industry

Markets:

- Food processing
- Tank truck
- Plastic industry

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H038432-		100	51	50,8	2.00	66,7	2.63	10,5	150	41	600	127,0	5.00	94,8	28	23,2	1.45		100
H038448-		100	80	76,1	3.00	92,1	3.63	10,5	150	41	600	228,6	9.00	94,8	28	35,2	2.20		100
H038464-		100	102	101,6	4.00	117,2	4.61	10,5	150	41	600	279,4	11.00	94,8	28	50,5	3.15		100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF002 Liquid Food Suction and Discharge

Construction:

Tube: Vegetable oil resistant NBR

Reinforcement: High-tensile synthetic textile with a single steel helical wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of milk, vegetable oil and beverages

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF002-12GY-	MXX	100	19	19,0	0.75	31,0	1.22	10,5	150	31	450	70	2.76	94,8	28	0,71	0.48	40-61	100
EHF002-16GY-	MXX	100	25	25,4	1.00	38,0	1.50	10,5	150	31	450	85	3.35	94,8	28	0,96	0.65	40-61	100
EHF002-20GY-	MXX	100	31	31,8	1.25	45,0	1.69	10,5	150	31	450	100	3.94	94,8	28	1,23	0.83	40-61	100
EHF002-24GY-	MXX	100	38	38,1	1.50	52,0	2.06	10,5	150	31	450	120	4.72	94,8	28	1,65	1.11	40-61	100
EHF002-28GY-	MXX	100	45	44,5	1.75	58,5	2.30	10,5	150	31	450	140	5.51	94,8	28	1,83	1.23	40-61	100
EHF002-32GY-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	160	6.30	94,8	28	2,29	1.54	40-61	100
EHF002-40GY-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	280	11.02	94,8	28	2,80	1.88	40-61	100
EHF002-48GY-	MXX	100	80	76,2	3.00	93,0	3.66	10,5	150	31	450	360	14.17	94,8	28	3,74	2.51	40-61	100
EHF002-64GY-	MXX	100	102	101,6	4.00	118,5	4.67	10,5	150	31	450	450	17.72	94,8	28	4,73	3.18	40-61	100

* Additional colors available on BK-Black, BU-Blue, or RD-Red

Food and Beverage

Food Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF018 Milk Suction and Discharge

Construction:

Tube: Vegetable oil-resistant NBR rubber

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of milk

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF018-12BU-	MXX	100	19	19,0	0.75	29,0	1.14	7,0	100	20,7	300	60	2.36	94,8	28	0,62	0.42	40-61	100
EHF018-16BU-	MXX	100	25	25,4	1.00	36,0	1.42	7,0	100	20,7	300	85	3.35	94,8	28	0,85	0.57	40-61	100
EHF018-20BU-	MXX	100	31	31,8	1.25	43,0	1.69	7,0	100	20,7	300	105	4.13	94,8	28	1,06	0.71	40-61	100
EHF018-24BU-	MXX	100	38	38,1	1.50	49,0	1.93	7,0	100	20,7	300	125	4.92	94,8	28	1,36	0.91	40-61	100
EHF018-28BU-	MXX	100	45	44,5	1.75	56,0	2.20	7,0	100	20,7	300	150	5.91	94,8	28	1,66	1.12	40-61	100
EHF018-32BU-	MXX	100	51	50,8	2.00	62,5	2.46	7,0	100	20,7	300	170	6.69	94,8	28	1,87	1.26	40-61	100
EHF018-40BU-	MXX	100	60	63,5	2.50	74,5	2.93	7,0	100	20,7	300	200	7.87	94,8	28	2,19	1.47	40-61	100
EHF018-48BU-	MXX	100	80	76,2	3.00	89,0	3.50	7,0	100	20,7	300	380	14.96	94,8	28	3,08	2.07	40-61	100
EHF018-64BU-	MXX	100	102	101,6	4.00	115,0	4.53	7,0	100	20,7	300	500	19.68	94,8	28	4,28	2.88	40-61	100

* Additional colors available BK-black and RD-Red

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF010 & EHF011 Non-Oily Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of food, such as water, fruit juices, etc.

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing

Type of Couplings:

- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF010-12BU-	MXX	100	19	19,0	0.75	29,0	1.14	7,0	100	20,7	300	50	1.97	94,8	28	0,65	0.44	40-61	100
EHF010-16BU-	MXX	100	25	25,4	1.00	36,0	1.42	7,0	100	20,7	300	70	2.76	94,8	28	0,84	0.56	40-61	100
EHF010-20BU-	MXX	100	31	31,8	1.25	43,0	1.69	7,0	100	20,7	300	85	3.35	94,8	28	1,10	0.74	40-61	100
EHF010-24BU-	MXX	100	38	38,1	1.50	49,0	1.93	7,0	100	20,7	300	100	3.94	94,8	28	1,42	0.95	40-61	100
EHF010-28BU-	MXX	100	45	44,5	1.75	56,0	2.20	7,0	100	20,7	300	120	4.72	94,8	28	1,70	1.14	40-61	100
EHF010-32BU-	MXX	100	51	50,8	2.00	62,5	2.46	7,0	100	20,7	300	140	5.51	94,8	28	1,91	1.28	40-61	100
EHF010-40BU-	MXX	100	60	63,5	2.50	74,5	2.93	7,0	100	20,7	300	250	9.84	94,8	28	2,23	1.50	40-61	100
EHF010-48BU-	MXX	100	80	76,2	3.00	89,0	3.50	7,0	100	20,7	300	310	12.20	94,8	28	3,01	2.02	40-61	100
EHF010-64BU-	MXX	100	102	101,6	4.00	115,0	4.53	7,0	100	20,7	300	420	16.54	94,8	28	4,17	2.80	40-61	100
EHF011-12BU-	MXX	100	19	19,0	0.75	30,0	1.18	10,5	150	31	450	60	2.36	94,8	28	0,63	0.42	40-61	100
EHF011-16BU-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	75	2.95	94,8	28	0,81	0.54	40-61	100
EHF011-20BU-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	95	3.74	94,8	28	1,06	0.71	40-61	100
EHF011-24BU-	MXX	100	38	38,1	1.50	51,0	2.01	10,5	150	31	450	110	4.33	94,8	28	1,34	0.90	40-61	100
EHF011-28BU-	MXX	100	45	44,5	1.75	57,5	2.26	10,5	150	31	450	130	5.12	94,8	28	1,53	1.03	40-61	100
EHF011-32BU-	MXX	100	51	50,8	2.00	65,0	2.56	10,5	150	31	450	150	5.91	94,8	28	1,87	1.26	40-61	100
EHF011-40BU-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	280	11.02	94,8	28	2,29	1.54	40-61	100
EHF011-48BU-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	340	13.39	94,8	28	2,98	2.00	40-61	100
EHF011-64BU-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	450	17.72	94,8	28	3,94	2.64	40-61	100

* Additional colors available BK-black and RD-Red

Food and Beverage

Food Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF001 Liquid Food Discharge

Construction:

Tube: Vegetable oil-resistant NBR

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- Discharge of milk, vegetable oil and beverages

Markets:

- Food transfer
- Food tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF001-12BU-	MXX	100	19	19,0	0.75	30,0	1.18	10,5	150	31	450	0,61	0.41	40-61	100
EHF001-16BU-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,79	0.53	40-61	100
EHF001-20BU-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	1,05	0.71	40-61	100
EHF001-24BU-	MXX	100	38	38,1	1.50	51,0	2.00	10,5	150	31	450	1,31	0.88	40-61	100
EHF001-28BU-	MXX	100	45	44,5	1.75	57,5	2.26	10,5	150	31	450	1,51	1.02	40-61	100
EHF001-32BU-	MXX	100	51	50,8	2.00	65,0	2.56	10,5	150	31	450	1,84	1.24	40-61	100
EHF001-40BU-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	2,27	1.53	40-61	100
EHF001-48BU-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	2,93	1.97	40-61	100
EHF001-64BU-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	3,83	2.57	40-61	100

* Additional colors available BK-Black and RD– Red

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF017 Milk Discharge

Construction:

Tube: Vegetable oil-resistant, NBR rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of milk

Markets:

- Food transfer
- Food tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF017-12BU-	MXX	100	19	19,0	0.75	28,5	1.22	7	100	20,7	300	0,51	0.34	40-61	100
EHF017-16BU-	MXX	100	25	25,4	1.00	35,0	1.38	7	100	20,7	300	0,64	0.43	40-61	100
EHF017-20BU-	MXX	100	31	31,8	1.25	43,0	1.69	7	100	20,7	300	0,96	0.65	40-61	100
EHF017-24BU-	MXX	100	38	38,1	1.50	49,0	1.93	7	100	20,7	300	1,13	0.76	40-61	100
EHF017-28BU-	MXX	100	45	44,5	1.75	55,5	2.19	7	100	20,7	300	1,30	0.87	40-61	100
EHF017-32BU-	MXX	100	51	50,8	2.00	62,0	2.44	7	100	20,7	300	1,49	1.00	40-61	100
EHF017-40BU-	MXX	100	60	63,5	2.50	75,0	2.95	7	100	20,7	300	1,80	1.21	40-61	100
EHF017-48BU-	MXX	100	80	76,2	3.00	89,0	3.50	7	100	20,7	300	2,32	1.56	40-61	100
EHF017-64BU-	MXX	100	102	101,6	4.00	115,0	4.53	7	100	20,7	300	3,18	2.14	40-61	100

* Additional colors available BK-Black and RD– Red

Food and Beverage

Food Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF008 & EHF009 Non-Oily Liquid Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of food, such as water, fruit juices, etc.

Markets:

- Food processing
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF008-12BU-	MXX	100	19	19,0	0.75	28,5	1.12	7	100	20,7	300	0,53	0.36	40-61	100
EHF008-16BU-	MXX	100	25	25,4	1.00	35,0	1.38	7	100	20,7	300	0,68	0.46	40-61	100
EHF008-20BU-	MXX	100	31	31,8	1.25	43,0	1.69	7	100	20,7	300	0,99	0.67	40-61	100
EHF008-24BU-	MXX	100	38	38,1	1.50	49,0	1.93	7	100	20,7	300	1,14	0.77	40-61	100
EHF008-28BU-	MXX	100	45	44,5	1.75	55,5	2.19	7	100	20,7	300	1,32	0.89	40-61	100
EHF008-32BU-	MXX	100	51	50,8	2.00	62,0	2.44	7	100	20,7	300	1,51	1.02	40-61	100
EHF008-40BU-	MXX	100	60	63,5	2.50	75,0	2.95	7	100	20,7	300	1,87	1.26	40-61	100
EHF008-48BU-	MXX	100	80	76,2	3.00	89,0	3.50	7	100	20,7	300	2,42	1.63	40-61	100
EHF008-64BU--	MXX	100	102	101,6	4.00	115,0	4.53	7	100	20,7	300	3,32	2.23	40-61	100
EHF009-12BU-	MXX	100	19	19,0	0.75	30,0	1.18	10,5	150	31	450	0,63	0.42	40-61	100
EHF009-16BU-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,81	0.54	40-61	100
EHF009-20BU-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	1,06	0.71	40-61	100
EHF009-24BU-	MXX	100	38	38,1	1.50	51,0	2.01	10,5	150	31	450	1,34	0.90	40-61	100
EHF009-28BU-	MXX	100	45	44,5	1.75	57,5	2.26	10,5	150	31	450	1,53	1.03	40-61	100
EHF009-32BU-	MXX	100	51	50,8	2.00	65,0	2.56	10,5	150	31	450	1,87	1.26	40-61	100
EHF009-40BU-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	2,29	1.54	40-61	100
EHF009-48BU-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	2,98	2.00	40-61	100
EHF009-64BU-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	3,94	2.65	40-61	100

* Product available in additional colors BK-Black and RD-Red

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF021 Flat Corrugated Alcohol Suction and Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Flat corrugated synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of food containing high percentage of alcohol

Markets:

- Breweries
- Distilleries
- Food processing

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF021-12RD-	MXX	100	19	19,0	0.75	29	1.14	10,5	150	31	450	70	2.76	94,8	28	0,48	0.32	40-61	100
EHF021-16RD-	MXX	100	25	25,4	1.00	36	1.42	10,5	150	31	450	90	3.54	94,8	28	0,63	0.42	40-61	100
EHF021-20RD-	MXX	100	31	31,8	1.25	43	1.69	10,5	150	31	450	130	5.12	94,8	28	0,91	0.61	40-61	100
EHF021-24RD-	MXX	100	38	38,1	1.50	50	1.97	10,5	150	31	450	180	7.09	94,8	28	1,06	0.71	40-61	100
EHF021-32RD-	MXX	100	51	50,8	2.00	64	2.52	10,5	150	31	450	250	9.84	94,8	28	1,53	1.03	40-61	100
EHF021-40RD-	MXX	100	60	63,5	2.50	78	3.07	10,5	150	31	450	280	11.02	94,8	28	2,15	1.45	40-61	100
EHF021-48RD-	MXX	100	80	76,2	3.00	91	3.58	10,5	150	31	450	350	13.78	94,8	28	2,55	1.71	40-61	100
EHF021-64RD-	MXX	100	102	101,6	4.00	119	4.69	10,5	150	31	450	450	17.72	94,8	28	4,21	2.83	40-61	100
EHF021-80RD-	MXX	100	130	127,0	5.00	148	5.83	10,5	150	31	450	600	23.62	80,0	24	6,48	4.26	40-61	100

* Additional colors available BK-black and BU-Blue

Food and Beverage

Beverage Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF020 Alcohol Suction & Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of food containing high percentage of alcohol

Markets:

- Breweries
- Distilleries
- Food processing

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF020-12RD-	MXX	100	19	19,0	0.75	31,0	1.22	10,5	150	31	450	75	2.95	94,8	28	0,65	0.44	40-61	100
EHF020-16RD-	MXX	100	25	25,4	1.00	38,0	1.50	10,5	150	31	450	100	3.94	94,8	28	0,86	0.58	40-61	100
EHF020-20RD-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	150	5.91	94,8	28	1,10	0.74	40-61	100
EHF020-24RD-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	200	7.87	94,8	28	1,43	0.96	40-61	100
EHF020-28RD-	MXX	100	45	44,5	1.75	58,5	2.30	10,5	150	31	450	260	10.24	94,8	28	1,75	1.18	40-61	100
EHF020-32RD-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	300	11.81	94,8	28	2,11	1.42	40-61	100
EHF020-40RD-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	400	15.75	94,8	28	2,55	1.71	40-61	100
EHF020-48RD-	MXX	100	80	76,2	3.00	93,0	3.66	10,5	150	31	450	800	31.50	94,8	28	3,47	2.33	40-61	100
EHF020-64RD-	MXX	100	102	101,6	4.00	118,5	4.67	10,5	150	31	450	1200	47.24	94,8	28	4,52	3.04	40-61	100

* Additional colors available BK-black and BU-Blue

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHB502 & EHB503 Medium Duty Beer/Wine Suction & Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For suction and discharge of beverages such as mineral water, beer, fruit juices, wine and liquor

Markets:

- Food processing
- Tank truck
- Breweries
- Distilleries

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHB502-12RD-	MXX	100	19	19,0	0.75	28,5	1.12	7,0	100	20,7	300	50	1.97	94,8	28	0,59	0.40	40-61	100
EHB502-16RD-	MXX	100	25	25,4	1.00	35,0	1.38	7,0	100	20,7	300	70	2.76	94,8	28	0,76	0.51	40-61	100
EHB502-20RD-	MXX	100	31	31,8	1.25	43,0	1.69	7,0	100	20,7	300	90	3.54	94,8	28	1,00	0.67	40-61	100
EHB502-24RD-	MXX	100	38	38,1	1.50	49,0	1.93	7,0	100	20,7	300	100	3.94	94,8	28	1,30	0.87	40-61	100
EHB502-28RD-	MXX	100	45	44,5	1.75	55,5	2.19	7,0	100	20,7	300	120	4.72	94,8	28	1,52	1.02	40-61	100
EHB502-32RD-	MXX	100	51	50,8	2.00	62,0	2.44	7,0	100	20,7	300	140	5.51	94,8	28	1,71	1.15	40-61	100
EHB502-40RD-	MXX	100	60	63,5	2.50	75,0	2.95	7,0	100	20,7	300	260	10.24	94,8	28	2,00	1.34	40-61	100
EHB502-48RD-	MXX	100	80	76,2	3.00	89,0	3.50	7,0	100	20,7	300	310	12.20	94,8	28	2,93	1.97	40-61	100
EHB502-64RD-	MXX	100	102	101,6	4.00	115,0	4.53	7,0	100	20,7	300	420	16.54	94,8	28	4,06	2.73	40-61	100
EHB503-12RD-	MXX	100	19	19,0	0.75	31,0	1.22	10,5	150	31	450	60	2.36	94,8	28	0,56	0.38	40-61	100
EHB503-16RD-	MXX	100	25	25,4	1.00	38,0	1.50	10,5	150	31	450	75	2.95	94,8	28	0,72	0.48	40-61	100
EHB503-20RD-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	95	3.74	94,8	28	0,95	0.64	40-61	100
EHB503-24RD-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	110	4.33	94,8	28	1,19	0.80	40-61	100
EHB503-28RD-	MXX	100	45	44,5	1.75	58,5	2.30	10,5	150	31	450	130	5.12	94,8	28	1,36	0.91	40-61	100
EHB503-32RD-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	150	5.91	94,8	28	1,66	1.11	40-61	100
EHB503-40RD-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	280	11.02	94,8	28	2,08	1.40	40-61	100
EHB503-48RD-	MXX	100	80	76,2	3.00	93,0	3.66	10,5	150	31	450	340	13.39	94,8	28	2,68	1.80	40-61	100
EHB503-64RD-	MXX	100	102	101,6	4.00	118,5	4.67	10,5	150	31	450	450	17.72	94,8	28	3,54	2.38	40-61	100

* Additional colors available BK-Black and BU-Blue

Food and Beverage

Beverage Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF007 Heavy Duty Potable Water Suction and Discharge

Construction:

Tube: NR

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: EPDM rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of potable water

Markets:

- Food processing
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF007-48-	MXX	200	80	76,2	3.00	97	3.82	17,2	250	70	1000	608	23.94	80,0	24	4,37	2.94	40-61	200
EHF007-64-	MXX	200	102	101,6	4.00	119	4.69	17,2	250	70	1000	816	32.13	80,0	24	4,57	3.07	40-61	200

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF005 Potable Water Suction and Discharge

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of potable water

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF005-12BU-	MXX	100	19	19,0	0.75	31,0	1.22	10,5	150	31,5	450	60	2.36	94,8	28	0,73	0.49	40-61	100
EHF005-16BU-	MXX	100	25	25,4	1.00	38,0	1.50	10,5	150	31,5	450	80	3.15	94,8	28	0,98	0.66	40-61	100
EHF005-20BU-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31,5	450	100	3.94	94,8	28	1,26	0.85	40-61	100
EHF005-24BU-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31,5	450	120	4.72	94,8	28	1,69	1.14	40-61	100
EHF005-28BU-	MXX	100	45	44,5	1.75	58,5	2.30	10,5	150	31,5	450	145	5.71	94,8	28	1,87	1.26	40-61	100
EHF005-32BU-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31,5	450	165	6.50	94,8	28	2,34	1.57	40-61	100
EHF005-40BU-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31,5	450	250	9.84	94,8	28	2,86	1.92	40-61	100
EHF005-48BU-	MXX	100	80	76,2	3.00	93,0	3.66	10,5	150	31,5	450	380	14.96	94,8	28	3,81	2.56	40-61	100
EHF005-64BU-	MXX	100	102	101,6	4.00	118,5	4.67	10,5	150	31,5	450	500	19.68	94,8	28	4,84	3.25	40-61	100

* Additional colors available BK-Black and RD-Red

Food and Beverage

Beverage Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF019 Alcohol Transfer

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- Discharge of food containing high percentage of alcohol

Markets:

- Breweries
- Distilleries
- Food processing

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF019-12RD-	MXX	100	19	19,0	0.75	30,0	1.18	10,5	150	31	450	0,55	0.37	40-61	100
EHF019-16RD-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,71	0.48	40-61	100
EHF019-20RD-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	0,92	0.62	40-61	100
EHF019-24RD-	MXX	100	38	38,1	1.50	51,0	2.01	10,5	150	31	450	1,14	0.77	40-61	100
EHF019-28RD-	MXX	100	45	44,5	1.75	57,5	2.26	10,5	150	31	450	1,30	0.88	40-61	100
EHF019-32RD-	MXX	100	51	50,8	2.00	65,0	2.56	10,5	150	31	450	1,64	1.10	40-61	100
EHF019-40RD-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	1,89	1.27	40-61	100
EHF019-48RD-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	2,58	1.73	40-61	100
EHF019-64RD-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	3,50	2.35	40-61	100

* Additional colors available BK-Black and BU–Blue

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHB500 & EHB501 Beer/Wine Light Duty Discharge

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of beverages such as mineral water, beer, fruit juices, wine and liquor

Markets:

- Food processing
- Tank truck
- Breweries
- Distilleries

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHB500-12RD-	MXX	100	19	19,0	0.75	28,5	1.12	7,0	100	20,7	300	0,47	0.32	40-61	100
EHB500-16RD-	MXX	100	25	25,4	1.00	35,0	1.38	7,0	100	20,7	300	0,60	0.40	40-61	100
EHB500-20RD-	MXX	100	31	31,8	1.25	43,0	1.69	7,0	100	20,7	300	0,89	0.60	40-61	100
EHB500-24RD-	MXX	100	38	38,1	1.50	49,0	1.93	7,0	100	20,7	300	0,99	0.67	40-61	100
EHB500-28RD-	MXX	100	45	44,5	1.75	55,5	2.19	7,0	100	20,7	300	1,14	0.77	40-61	100
EHB500-32RD-	MXX	100	51	50,8	2.00	62,0	2.44	7,0	100	20,7	300	1,32	0.89	40-61	100
EHB500-40RD-	MXX	100	60	63,5	2.50	75,0	2.95	7,0	100	20,7	300	1,67	1.12	40-61	100
EHB500-48RD-	MXX	100	80	76,2	3.00	89,0	3.50	7,0	100	20,7	300	2,15	1.45	40-61	100
EHB500-64RD-	MXX	100	102	101,6	4.00	115,0	4.53	7,0	100	20,7	300	2,93	1.97	40-61	100
EHB501-12RD-	MXX	100	19	19,0	0.75	30,0	1.18	10,5	150	31	450	0,56	0.38	40-61	100
EHB501-16RD-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,72	0.48	40-61	100
EHB501-20RD-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	0,95	0.64	40-61	100
EHB501-24RD-	MXX	100	38	38,1	1.50	51,0	2.01	10,5	150	31	450	1,19	0.80	40-61	100
EHB501-28RD-	MXX	100	45	44,5	1.75	57,5	2.26	10,5	150	31	450	1,36	0.91	40-61	100
EHB501-32RD-	MXX	100	51	50,8	2.00	65,0	2.56	10,5	150	31	450	1,66	1.12	40-61	100
EHB501-40RD-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	2,08	1.40	40-61	100
EHB501-48RD-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	2,68	1.80	40-61	100
EHB501-64RD-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	3,54	2.38	40-61	100

* Product available in additional colors BK-Black and BU-Blue

Food and Beverage

Beverage Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF004 Potable Water Discharge

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of potable water

Markets:

- Food transfer
- Food tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF004-12BU-	MXX	100	19	19,0	0.75	30,0	1.18	10,5	150	31	450	0,63	0.43	40-61	100
EHF004-16BU-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,82	0.55	40-61	100
EHF004-20BU-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	1,08	0.73	40-61	100
EHF004-24BU-	MXX	100	38	38,1	1.50	51,0	2.00	10,5	150	31	450	1,37	0.92	40-61	100
EHF004-28BU-	MXX	100	45	44,5	1.75	57,5	2.26	10,5	150	31	450	1,57	1.06	40-61	100
EHF004-32BU-	MXX	100	51	50,8	2.00	65,0	2.56	10,5	150	31	450	1,91	1.28	40-61	100
EHF004-40BU-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	2,33	1.57	40-61	100
EHF004-48BU-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	3,03	2.04	40-61	100
EHF004-64BU-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	3,96	2.66	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF006 Softwall Potable Water Discharge

Construction:

Tube: Non-toxic NR

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For discharge of potable water

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHF006-48-	MXX	200	80	76,2	3.00	93,0	3.66	10,0	145	40	580	760	29.92	3,24	2.18	40-61	200
EHF006-64-	MXX	200	102	101,6	4.00	118,5	4.67	10,0	145	40	580	1020	40.16	4,02	2.70	40-61	200
EHF006-80-	MXX	200	130	127,0	5.00	146,0	5.75	8,0	115	32	460	1270	50.00	5,25	3.53	40-61	200
EHF006-96-	MXX	200	150	152,4	6.00	169,0	6.65	8,0	115	32	460	1520	59.84	5,83	3.92	40-61	200

Food and Beverage

Beverage Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H285 CLEARFORCE™–R

Construction:

Tube: Clear PVC

Reinforcement: 2-spiral fiber

Cover: Clear PVC

Operating Temperature:

-26°C to +66°C
(-15°F to +150°F)

Application:

- For food and beverage dispensing
- For spraying and conveying fertilizer and pesticides

Markets:

- Food processing
- Agriculture
- In-plant service

Type of Couplings:

- "E" Series
- 265 "P" Series
- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H28503-		300	5	4,8	0.19	9,5	0.37	17,2	250	70,0	1000	0,07	0.05		300
H28504-		300	6	6,4	0.25	11,3	0.44	17,2	250	70,0	1000	0,09	0.06		300
H28505-		300	8	7,9	0.31	13,5	0.53	17,2	250	70,0	1000	0,11	0.08		300
H28506-		300	10	9,5	0.38	15,1	0.59	15,5	225	62,0	900	0,14	0.09		300
H28508-		300	12	12,7	0.50	19,1	0.75	13,8	200	55,0	800	0,19	0.13		300
H28510-		300	16	15,9	0.62	22,2	0.87	13,8	200	55,0	800	0,23	0.15		300
H28512-		300	19	19,0	0.75	26,2	1.03	10,5	150	41,0	600	0,29	0.20		300
H28516-		200	25	25,4	1.00	33,3	1.31	8,5	125	35,0	500	0,42	0.28		200
H28520-		100	31	31,8	1.25	42,9	1.69	7,0	100	28,0	400	0,76	0.51		100
H28524-		100	38	38,1	1.50	49,2	1.94	7,0	100	28,0	400	0,88	0.60		100
H28532-		100	51	50,8	2.00	63,5	2.50	5,0	75	20,7	300	1,27	0.85		100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H160 CLEARFORCE™—NR

Construction:

Tube: Clear PVC

Cover: Clear PVC

Operating Temperature:

-10°C to +66°C
(-15°F to +150°F)

Application:

- For food and beverage dispensing

Markets:

- Food processing
- In-plant service

Type of Couplings:

- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	mtr	ft
H160204-		100	3	3,2	0.12	6,4	0.25	4,5	65		100
H160305-		100	5	4,8	0.19	7,9	0.31	3,9	55		100
H160406-		100	6	6,5	0.25	9,5	0.38	3,9	55		100
H160408-		100	6	6,5	0.25	12,7	0.50	4,0	60		100
H160507-		100	8	7,9	0.31	11,1	0.44	3,5	50		100
H160608-		100	10	9,5	0.38	12,7	0.50	3,0	45		100
H160609-		100	10	9,5	0.38	14,3	0.56	3,4	50		100
H160610-		100	10	9,5	0.38	15,9	0.62	3,9	55		100
H160810-		100	12	12,7	0.50	15,9	0.62	2,0	30		100
H160811-		100	12	12,7	0.50	17,3	0.68	2,8	40		100
H160812-		100	12	12,7	0.50	19,1	0.75	3,0	45		100
H161013-		100	16	15,9	0.62	20,6	0.81	2,5	35		100
H161014-		100	16	15,9	0.62	22,2	0.87	2,8	40		100
H161216-		100	19	19,0	0.75	25,4	1.00	2,5	35		100
H161418-		100	22	22,2	0.88	28,6	1.13	2,0	30		100
H161620-		100	25	25,4	1.00	31,8	1.25	1,7	25		100
H162024-		100	31	31,8	1.25	38,1	1.50	1,3	20		100
H162430-		100	38	38,1	1.50	47,6	1.87	1,7	25		100
H162432-		100	38	38,1	1.50	50,1	1.97	2,5	35		100
H163240-		100	51	50,8	2.00	63,5	2.50	2,5	35		100

Food and Beverage

Dry Bulk Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF016 Channeled Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Channeled synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of bulk abrasive products such as sugar, flour, milk powder and granules

Markets:

- Food processing
- Tank truck

Type of Couplings:

- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF016-16-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	31	450	45	1.77	94,8	28	0,69	0.46	40-61	100
EHF016-20-	MXX	100	31	31,8	1.25	42,5	1.67	10,5	150	31	450	55	2.17	94,8	28	0,90	0.61	40-61	100
EHF016-24-	MXX	100	38	38,1	1.50	48,4	1.91	10,5	150	31	450	75	2.95	94,8	28	1,04	0.70	40-61	100
EHF016-32-	MXX	100	51	50,8	2.00	62,0	2.44	10,5	150	31	450	110	4.33	94,8	28	1,56	1.05	40-61	100
EHF016-40-	MXX	100	60	63,5	2.50	76,0	2.99	10,5	150	31	450	150	5.91	94,8	28	2,13	1.43	40-61	100
EHF016-48-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31	450	180	7.09	94,8	28	2,51	1.69	40-61	100
EHF016-56-	MXX	100	90	88,9	3.50	104,5	4.11	10,5	150	31	450	225	8.86	94,8	28	3,48	2.34	40-61	100
EHF016-64-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	260	10.24	94,8	28	4,19	2.82	40-61	100
EHF016-80-	MXX	100	130	127,0	5.00	145,5	5.73	10,5	150	31	450	340	13.39	80,0	24	6,44	4.33	40-61	100
EHF016-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	550	21.65	80,0	24	8,13	5.47	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF014 Corrugated Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and

Cover: Corrugated synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of bulk abrasive products such as sugar, flour, milk powder and granules

Markets:

- Food processing
- Tank truck

Type of Couplings:

- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF014-16-	MXX	100	25	25,4	1.00	37,5	1.48	10,5	150	31	450	60	2.36	94,8	28	0,81	0.54	40-61	100
EHF014-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	75	2.95	94,8	28	0,98	0.66	40-61	100
EHF014-24-	MXX	100	38	38,1	1.50	51,0	2.01	10,5	150	31	450	90	3.54	94,8	28	1,29	0.87	40-61	100
EHF014-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	125	4.92	94,8	28	1,78	1.20	40-61	100
EHF014-40-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	175	6.89	94,8	28	2,39	1.61	40-61	100
EHF014-48-	MXX	100	80	76,2	3.00	90,5	3.56	10,5	150	31	450	200	7.87	94,8	28	3,08	2.07	40-61	100
EHF014-56-	MXX	100	90	88.9	3.50	106,0	4.17	10,5	150	31	450	250	9.84	94,	28	3,86	2.59	40-61	100
EHF014-64-	MXX	100	102	101,6	4.00	119,0	4.69	10,5	150	31	450	275	10.83	94,8	28	4,66	3.13	40-61	100
EHF014-80-	MXX	100	130	127,0	5.00	147,0	5.79	10,5	150	31	450	350	13.78	94,8	28	6,83	4.59	40-61	100
EHF014-96-	MXX	100	150	152,4	6.00	173,0	6.81	10,5	150	31	450	400	15.75	94,8	28	8,96	6.02	40-61	100
EHF014-128-	M20	20	200	203,2	8.00	227,0	8.94	10,5	150	31	450	750	29.53	80,0	24	14,09	9.47	20	20
EHF014-160-	M10	20	250	254,0	10.00	279.0	10.98	10,5	150	31	450	1100	43.31	80,0	24	17,31	11.64	20	20

Food and Beverage

Dry Bulk Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF015 Flat Corrugated Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Flat corrugated synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of bulk abrasive products such as sugar, flour, milk powder and granules

Markets:

- Food processing
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF015-16-	MXX	100	25	25,4	1.00	39,0	1.54	10,5	150	31	450	50	1.97	94,8	28	0,81	0.54	40-61	100
EHF015-20-	MXX	100	31	31,8	1.25	46,0	1.81	10,5	150	31	450	60	2.36	94,8	28	1,07	0.72	40-61	100
EHF015-24-	MXX	100	38	38,1	1.50	54,0	2.13	10,5	150	31	450	75	2.95	94,8	28	1,45	0.97	40-61	100
EHF015-32-	MXX	100	51	50,8	2.00	69,0	2.72	10,5	150	31	450	100	3.94	94,8	28	2,16	1.45	40-61	100
EHF015-40-	MXX	100	60	63,5	2.50	81,5	3.21	10,5	150	31	450	150	5.91	94,8	28	2,74	1.84	40-61	100
EHF015-48-	MXX	100	80	76,2	3.00	95,0	3.74	10,5	150	31	450	175	6.89	94,8	28	3,39	2.28	40-61	100
EHF015-64-	MXX	100	102	101,6	4.00	121,5	4.78	10,5	150	31	450	225	8.86	94,8	28	4,84	3.25	40-61	100
EHF015-80-	MXX	100	130	127,0	5.00	150,0	5.91	10,5	150	31	450	325	12.80	94,8	28	7,47	5.02	40-61	100
EHF015-96-	MXX	100	150	152,4	6.00	176,0	6.93	10,5	150	31	450	375	14.76	94,8	28	9,58	6.44	40-61	100
EHF015-128-	M20	20	200	203,2	8.00	230,0	9.06	10,5	150	31	450	600	23.62	80,0	24	13,67	9.19	20	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF013 Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of bulk abrasive products such as sugar, flour, milk powder and granules

Markets:

- Food processing
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF013-16-	MXX	100	25	25,4	1.00	39,0	1.54	10,5	150	31	450	110	4.33	94,8	28	0,90	0.61	40-61	100
EHF013-20-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	135	5.31	94,8	28	1,06	0.71	40-61	100
EHF013-24-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	160	6.30	94,8	28	1,42	0.95	40-61	100
EHF013-32-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	210	8.27	94,8	28	2,01	1.35	40-61	100
EHF013-40-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	270	10.63	94,8	28	2,43	1.63	40-61	100
EHF013-48-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	330	12.99	94,8	28	3,16	2.12	40-61	100
EHF013-56-	MXX	100	90	88.9	3.50	107,0	4.21	10,5	150	31	450	410	16.14	94,8	28	3,77	2.53	40-61	100
EHF013-64-	MXX	100	102	101,6	4.00	120,0	4.72	10,5	150	31	450	470	18.50	94,8	28	4,63	3.11	40-61	100
EHF013-80-	MXX	100	130	127,0	5.00	149,0	5.87	10,5	150	31	450	600	23.62	94,8	28	6,85	4.60	40-61	100
EHF013-96-	MXX	100	150	152,4	6.00	174,5	6.87	10,5	150	31	450	770	30.31	80,0	24	8,91	5.99	40-61	100
EHF013-128-	M20	20	200	203,2	8.00	229,0	4.69	10,5	150	31	450	1200	47.24	80,0	24	13,80	9.28	20	20
EHF013-160-	M10	20	250	254,0	10.00	281,0	11.06	10,5	150	31	450	1520	59.84	80,0	24	17,32	11.64	10	20

Food and Beverage

Dry Bulk Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF012 Bulk Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For discharge of bulk abrasive material for food industry

Markets:

- Food processing
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF012-16-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,64	0.43	40-61	100
EHF012-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	0,84	0.56	40-61	100
EHF012-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31	450	0,97	0.65	40-61	100
EHF012-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	1,46	0.98	40-61	100
EHF012-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31	450	1,78	1.20	40-61	100
EHF012-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	2,14	1.44	40-61	100
EHF012-56-	MXX	100	90	88,9	3.50	104,0	4.09	10,5	150	31	450	2,53	1.70	40-61	100
EHF012-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	31	450	3,25	2.18	40-61	100
EHF012-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	31	450	4,94	3.32	40-61	100
EHF012-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	6,12	4.11	40-61	100
EHF012-128-	M20	20	200	203,2	8.00	225,0	8.86	10,5	150	31	450	8,87	5.96	20	20
EHF012-160-	M20	20	250	254,0	10.00	276,0	10.87	10,5	150	31	450	11,60	7.80	20	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0413 Dry Bulk Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover:

Operating Temperature:

-29°C to +71°C
(-20°F to +160°F)

Application:

- For discharge of bulk abrasive material for food industry

Markets:

- Food processing
- Tank truck
- Plastic industry

Type of Couplings:

- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H041364-		100	102	101,6	4.00	121,9	4.80	3,5	50	13,8	200	3,35	2.25		100
H041364-		150	102	101,6	4.00	121,9	4.80	3,5	50	13,8	200	3,35	2.25		150

Food and Beverage

Dry Bulk Suction & Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF022 Flat Light Duty Bulk Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile and anti-static copperwire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of bulk abrasive material for food industry

Markets:

- Food processing
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF022-32-	MXX	100	51	50,8	2.00	60,4	2.38	5	75	15,5	225	0,98	0.66	40-61	100
EHF022-40-	MXX	100	60	63,5	2.50	73,0	2.87	5	75	15,5	225	1,20	0.81	40-61	100
EHF022-48-	MXX	100	80	76,2	3.00	86,0	3.39	5	75	15,5	225	1,43	0.96	40-61	100
EHF022-50-	MXX	100		80,0	3.15	90,0	3.54	5	75	15,5	225	1,49	1.00	40-61	100
EHF022-56-	MXX	100	90	90,0	3.54	100,0	3.94	5	75	15,5	225	1,84	1.24	40-61	100
EHF022-64-	MXX	100	102	101,6	4.00	112,0	4.41	5	75	15,5	225	2,06	1.38	40-61	100
EHF022-67-	MXX	100		110,0	4.33	120,0	4.72	5	75	15,5	225	2,23	1.50	40-61	100
EHF022-80-	MXX	100	130	127,0	5.00	137,0	5.39	5	75	15,5	225	2,55	1.71	40-61	100
EHF022-96-	MXX	100	150	152,4	6.00	164,0	6.46	5	75	15,5	225	3,61	2.43	40-61	100
EHF022-128-	M20	20	200	203,2	8.00	215,0	8.46	5	75	15,5	225	4,77	3.21	20	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1066 Creamery/Packing Washdown

Construction:

Tube: Nitrile

Reinforcement: 2-braid fiber

Cover: Pin-pricked vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For washdown of food processing facilities and equipment

Not for conveying milk

Markets:

- Food processing
- Meat packing and rendering
- Chicken processing
- Dairies
- Canneries
- Syrup manufacturing

Type of Couplings:

- Barbed inserts
- "U" series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H106612-500R		500	19	19,0	0.75	31,8	1.25	13,8	200	55	800	0,65	0.44		500

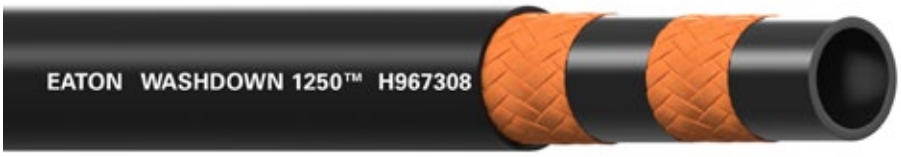
Food and Beverage

Washdown

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9673 Washdown 1250



Construction:

Tube: Nitrile

Reinforcement: 1- and 2-braid fiber

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For washdown of food processing facilities and equipment

Markets:

- Food processing
- Industry cleaning
- Construction
- Poultry

Type of Couplings:

- "U" Series
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H967306-350R		350R	10	9,5	0.38	17,8	0.70	86	1250	345	5000	0,25	0.17		350
H967308-100		100	12	12,7	0.50	21,7	0.86	86	1250	345	5000	0,31	0,21		100
H967308-350R		350R	12	12,7	0.50	21,7	0.86	86	1250	345	5000	0,31	0,21		350
H967312-350R		350R	19	19,1	0.75	29,7	1.17	86	1250	345	5000	0.49	0.33		350

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9610 Washdown 1000

Construction:

Tube: Nitrile

Reinforcement: 1-braid fiber

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For washdown of food processing facilities and equipment

Markets:

- Food processing
- Industry cleaning
- Construction
- Poultry

Type of Couplings:

- "U" Series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H961006GY-350R		350R	10	9,5	0.38	17,7	0.70	70	1000	275	4000	0,35	0.24		350
H961008GY-350R		350R	12	12,7	0.50	20,6	0.81	70	1000	275	4000	0,45	0.30		350
H961008YW-350R		350R	12	12,7	0.50	21,6	0.85	70	1000	275	4000	0,48	0.32		350
H961012GY-350R		350R	19	19,0	0.75	29,4	1.16	70	1000	275	4000	0,77	0.52		350

Food and Beverage

Washdown

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF003 Dairy Washdown

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +125°C
Steam up to +165°C

(-40°F to +176°F)
Steam up to +329°F

Application:

- For cleaning in food processing plant

Markets:

- Food processing

Type of Couplings:

- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHF003-06BU-	MXX	100	10	9,5	0.38	20,0	0.79	7	100	70	1000	0,30	0.20	40-61	100
EHF003-08BU-	MXX	100	12	12,7	0.50	24,0	0.94	7	100	70	1000	0,41	0.28	40-61	100
EHF003-10BU-	MXX	100	16	15,9	0.62	28,0	1.10	7	100	70	1000	0,51	0.34	40-61	100
EHF003-12BU-	MXX	100	19	19,0	0.75	31,0	1.22	7	100	70	1000	0,60	0.40	40-61	100
EHF003-16BU-	MXX	100	25	25,4	1.00	37,0	1.46	7	100	70	1000	0,68	0.46	40-61	100
EHF003-20BU-	MXX	100	31	31,8	1.25	46,0	1.81	7	100	70	1000	1,07	0.72	40-61	100
EHF003-24BU-	MXX	100	38	38,1	1.50	53,0	2.09	7	100	70	1000	1,34	0.90	40-61	100
EHF003-28BU-	MXX	100	45	44,5	1.75	60,0	2.36	7	100	70	1000	1,57	1.06	40-61	100
EHF003-32BU-	MXX	100	51	50,8	2.00	67,5	2.66	7	100	70	1000	1,97	1.32	40-61	100
EHF003-40BU-	MXX	100	60	63,5	2.50	81,0	3.19	7	100	70	1000	2,50	1.68	40-61	100
EHF003-48BU-	MXX	100	80	76,2	3.00	98,0	3.86	7	100	70	1000	3,66	2.46	40-61	100
EHF003-64BU-	MXX	100	102	101,6	4.00	124,0	4.88	7	100	70	1000	4,83	3.25	40-61	100

* Additional colors available BK-Black and RD– Red

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1531 SUPRAFORCE™

Construction:

Tube: Rubber modified thermoplastic

Reinforcement: 2-spiral fiber

Cover: Rubber modified thermoplastic

Operating Temperature:

-12°C to +82°C
(-10°F to +180°F)

Application:

- For high pressure spray or washdown

Markets:

- Food processing
- Industry cleaning
- Construction

Type of Couplings:

- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H153106-500R		500	10	9,5	0.38	17,5	0.69	28,0	400	110	1600	0,22	0.15		500
H153108-500R		500	12	12,7	0.50	19,8	0.78	28,0	400	110	1600	0,25	0.17		500
H153110-500R		500	16	15,9	0.62	25,4	1.00	28,0	400	110	1600	0,42	0.28		500
H153112-500R		500	19	19,0	0.75	28,6	1.13	28,0	400	110	1600	0,48	0.32		500
H153116-300R		300	25	25,4	1.00	36,5	1.44	20,7	300	83	1200	0,71	0.48		300

Eaton Industrial Hose Reminder

Hose Selection

Selection of hose

Selection of the proper Eaton Industrial hose for an application is essential to the proper operation and safe use of the hose ad related equipment. Inappropriate hose selection may result in hose leakage, bursting, or other failure which may cause bodily injury or property damage from spraying fluids or flying projectiles. To avoid serious bodily injury or property damage resulting form selection of the wrong hose, carefully review the information in this catalog. Some of the factors to consider on proper hose selection are known as STAMPED:

S - **Size,** (I.D., O.D. and length)

T - **Temperature** of material conveyed and environmental

A - **Application**, the conditions of use

M - **Material** being conveyed, type and concentration

P - **Pressure** to which the assembly will be exposed

E - **Ends**; style, type, orientation, attachment method, etc.

D - **Delivery** testing, quality, packaging and delivery requirements

These factors and the supplemental information contained in this catalog should be considered in selecting the proper hose for your application. If you have any questions regarding the proper hose for your application, please contact Eaton for North America, Eaton Technical Support 1-888-258-0222 for global support contact your local Eaton Technical Representative.

Gaseous Service

Gaseous Service

Introduction and Safety Information

Remove the Guesswork from Selecting, Buying and Using Critical Application Hose

- When you're handling easily contaminated or hazardous material, it is critical to select the proper hose. The high visibility branding and color coding of Eaton removes the guesswork for hose selection.

Environmental Resistance

- The tube and cover materials of Eaton industrial hose products are designed to assure maximum hose life at a superior value to the customer. Specialty service Eaton hoses are sophisticated transfer products for demanding jobs. Exceptional aging, weathering and heat resistant properties keep the hose flexible and easy to use.

Permanent Branding for Easy Identification

- The name of the hose and the working pressure are molded into the hose cover can't rub off. This makes hose selection on the job quicker, easier and safer.

The Eaton Reputation for Quality

- Your assurance of dependable performance.

Gaseous Hose Safety Information

Important!

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: Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained
in the care and use of this hose and must at all times wear protective clothing. A hose or system failure could cause the release of a poisonous, corrosive or flammable material.

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 industrial 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.

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.

Refer to warnings and safety information on pages P-1– P-16.

Not to be used for NH_3 . Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H900 UL LPG

Construction:

Tube: Nitrile

Reinforcement: Textile braid

Cover: Pin-pricked vinyl nitrile

Operating Temperature:

-40°C to +60°C
(-40°F to +140°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Application:

- For transfer and delivery of propane and butane
- Transfer of natural gas in open, well ventilated areas (1 psiG max. working pressure)

Markets:

- LPG delivery vehicles
- Petroleum refineries
- Chemical processing
- Tank truck

Type of Couplings:

- "U" Series
- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H90004-		500R	6	6,4	0.25	14,9	0.59	24	350	120	1750	0,18	0.12		500
H90006-		500R	10	9,5	0.38	18,4	0,73	24	350	120	1750	0,25	0.17		500
H90008-		500R	12	12,7	0.50	23,3	0,92	24	350	120	1750	0,36	0.24		500
H90012-		500R	19	19,0	0.75	31,2	1.23	24	350	120	1750	0,61	0.41		500
H90016-		150	25	25,4	1.00	38,1	1.50	24	350	120	1750	0,77	0.52		150
H90016-		300R	25	25,4	1.00	38,1	1.50	24	350	120	1750	0,77	0.52		300

*Additional lengths available on select items

Gaseous Service

LPG

Refer to warnings and safety information on pages P-1– P-16.

Not to be used for NH_3. Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EH920 UL LPG

Construction:

Tube: Nitrile

Reinforcement: Textile braids and stainless steel static wire

Cover: Pin-pricked neoprene

Operating Temperature:

-40°C to +60°C
(-40°F to +140°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Application:

- For transfer and delivery of propane and butane
- Transfer of natural gas in open, well ventilated areas (1 psiG max. working pressure)

Markets:

- LPG delivery vehicles
- Petroleum refineries
- Chemical processing
- Tank truck

Type of Couplings:

- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EH92032-		150	51	50,8	2.00	69,9	2.75	24	350	120	1750	2,38	1.60		150

Refer to warnings and safety information on pages P-1– P-16.

Not to be used for NH_3. Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG003 Liquid Propane Suction and Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Application:

- For transfer and delivery of propane and butane
- Transfer of natural gas in open, well ventilated areas (1 psiG max. working pressure)

Markets:

- LPG delivery vehicles
- Petroleum refineries
- Chemical processing
- Tank truck

Type of Couplings:

- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHG003-08-	MXX	100	12	12,7	0.50	23	0.91	25	365	101	1460	55	2.17	80,0	24	0,44	0.30	40-61	100
EHG003-10-	MXX	100	16	15,9	0.62	26	1.02	25	365	101	1460	75	2.95	80,0	24	0,52	0.35	40-61	100
EHG003-12-	MXX	100	19	19,0	0.75	31	1.22	25	365	101	1460	100	3.94	80,0	24	0,68	0.46	40-61	100
EHG003-16-	MXX	100	25	25,4	1.00	38	1.50	25	365	101	1460	140	5.51	80,0	24	0,90	0.61	40-61	100
EHG003-20-	MXX	100	31	31,8	1.25	45	1.77	25	365	101	1460	190	7.48	80,0	24	1,17	0.79	40-61	100
EHG003-24-	MXX	100	38	38,1	1.50	52	2.05	25	365	101	1460	200	7.87	80,0	24	1,50	1.00	40-61	100
EHG003-32-	MXX	100	51	50,8	2.00	67	2.64	25	365	101	1460	280	11.02	80,0	24	2,19	1.47	40-61	100
EHG003-40-	MXX	100	60	63,5	2.50	81	3.19	25	365	101	1460	380	14.96	80,0	24	2,91	1.96	40-61	100
EHG003-48-	MXX	100	80	76,2	3.00	94	3.70	25	365	101	1460	460	18.11	80,0	24	3,58	2.41	40-61	100
EHG003-64	MXX	100	102	101,6	4.00	120	4.72	25	365	101	1460	625	24.61	80,0	24	4,56	3.07	40-61	100

Gaseous Service

LPG

Refer to warnings and safety information on pages P-1– P-16.

Not to be used for NH_3. Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG004 Liquid Propane Suction and Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-50°C to +70°C
(-58°F to +158°F)

Hose is capable of this rating. LP-Gas should never be elevated above 100°F

Application:

- For transfer and delivery of propane and butane
- Transfer of natural gas in open, well ventilated areas (1 psiG max. working pressure)

Markets:

- LPG delivery vehicles
- Petroleum refineries
- Chemical processing
- Tank truck

Type of Couplings:

- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHG004-08-	MXX	100	12	12,7	0.50	23	0.91	25	365	101	1460	55	2.17	80,0	24	0,44	0.30	40-61	100
EHG004-10-	MXX	100	16	15,9	0.62	26	1.02	25	365	101	1460	75	2.95	80,0	24	0,52	0.35	40-61	100
EHG004-12-	MXX	100	19	19,0	0.75	31	1.22	25	365	101	1460	100	3.94	80,0	24	0,68	0.46	40-61	100
EHG004-16-	MXX	100	25	25,4	1.00	38	1.50	25	365	101	1460	140	5.51	80,0	24	0,90	0.61	40-61	100
EHG004-20-	MXX	100	31	31,8	1.25	45	1.77	25	365	101	1460	190	7.48	80,0	24	1,17	0.79	40-61	100
EHG004-24-	MXX	100	38	38,1	1.50	52	2.05	25	365	101	1460	200	7.87	80,0	24	1,50	1.00	40-61	100
EHG004-32-	MXX	100	51	50,8	2.00	67	2.64	25	365	101	1460	280	11.02	80,0	24	2,19	1.47	40-61	100
EHG004-40-	MXX	100	60	63,5	2.50	81	3.19	25	365	101	1460	380	14.96	80,0	24	2,91	1.96	40-61	100
EHG004-48-	MXX	100	80	76,2	3.00	94	3.70	25	365	101	1460	460	18.11	80,0	24	3,58	2.41	40-61	100
EHG004-64	MXX	100	102	101,6	4.00	120	4.72	25	365	101	1460	625	24.61	80,0	24	4,56	3.07	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG001 Nitrogen Transfer

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For transfer of nitrogen

Markets:

- Nitrogen tanks
- Tank truck

Type of Couplings:

- Swaged or crimp male couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHG001-08-	MXX	100	12	12,7	0.50	22	0.87	20,7	300	62	900	0,33	0.22	40-61	100
EHG001-10-	MXX	100	16	15,9	0.62	25	0.98	20,7	300	62	900	0,37	0.25	40-61	100
EHG001-12-	MXX	100	19	19,0	0.75	29	1.14	20,7	300	62	900	0,50	0.34	40-61	100
EHG001-16-	MXX	100	25	25,4	1.00	36	1.42	20,7	300	62	900	0,67	0.45	40-61	100
EHG001-20-	MXX	100	31	31,8	1.25	44	1.73	20,7	300	62	900	0,96	0.65	40-61	100
EHG001-24-	MXX	100	38	38,1	1.50	51	2.01	20,7	300	62	900	1,18	0.79	40-61	100
EHG001-28-	MXX	100	45	44,5	1.75	60	2.36	20,7	300	62	900	1,63	1.10	40-61	100
EHG001-32-	MXX	100	51	50,8	2.00	65	2.56	20,7	300	62	900	1,66	1.12	40-61	100
EHG001-40-	MXX	100	60	63,5	2.50	80	3.15	20,7	300	62	900	2,45	1.65	40-61	100
EHG001-48-	MXX	100	80	76,2	3.00	92	3.62	20,7	300	62	900	2,65	1.78	40-61	100
EHG001-64-	MXX	100	102	101,6	4.00	118	4.65	20,7	300	62	900	3,81	2.56	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG002 Carbon Dioxide Discharge

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For transfer of carbon dioxide

Markets:

- Fire Fighting

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHG002M07-	M10	100	—	7,0	0.28	18	0.71	103	1500	400	5800	0,27	0.18	10	100
EHG002M7.5-	M10	100	—	7,5	0.30	18	0.71	103	1500	400	5800	0,26	0.17	10	100
EHG002M08-	M10	100	—	8,0	0.31	17	0.67	103	1500	400	5800	0,22	0.15	10	100

Material Handling

Material Handling Service

Introduction and Safety Information

Environmental Resistance

- The tube and cover materials of the Eaton industrial hose 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 industrial hose is designed to be 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 industrial hose. 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.

Material Handling Hose Safety Information

Important!

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.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK015 Channeled Abrasion Suction & Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Channeled synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of abrasive powders, dust, granules, sand, gravel and cement

Markets:

- Construction
- In-plant transfer
- Tank truck
- Dry cement delivery

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK015-16-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	31	450	50	1.97	94,8	28	0,76	0.51	40-61	100
EHK015-20-	MXX	100	31	31,8	1.25	42,5	1.67	10,5	150	31	450	65	2.56	94,8	28	0,92	0.62	40-61	100
EHK015-24-	MXX	100	38	38,1	1.50	48,4	1.91	10,5	150	31	450	80	3.15	94,8	28	1,07	0.72	40-61	100
EHK015-32-	MXX	100	51	50,8	2.00	62,0	2.44	10,5	150	31	450	115	4.53	94,8	28	1,58	1.06	40-61	100
EHK015-40-	MXX	100	60	63,5	2.50	76,0	2.99	10,5	150	31	450	160	6.30	94,8	28	2,07	1.39	40-61	100
EHK015-48-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31	450	190	7.48	94,8	28	2,37	1.59	40-61	100
EHK015-56-	MXX	100	90	88,9	3.50	104,5	4.11	10,5	150	31	450	235	9.25	94,8	28	3,34	2.25	40-61	100
EHK015-64-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	265	10.43	94,8	28	4,04	2.72	40-61	100
EHK015-80-	MXX	100	130	127,0	5.00	145,5	5.73	10,5	150	13	450	355	13.98	80,0	24	6,12	4.11	40-61	100
EHK015-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	550	21.65	80,0	24	7,81	5.25	40-61	100

Material Handling

Slurry and Abrasive Resistant
Coupling and Gaskets for EHM001

Refer to warnings and safety information on pages P-1– P-16.

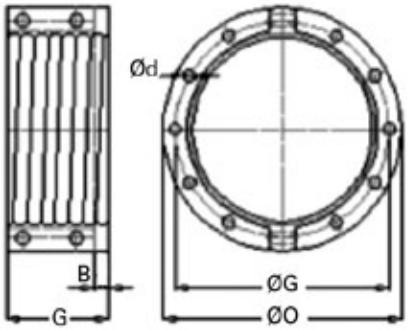
Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

RDSA

EHM001 Couplings and Gaskets

Coupling dimensions according to PN 10-DIN 2576

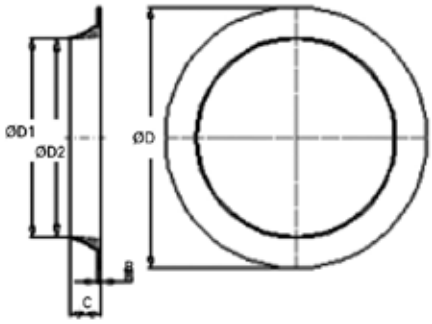
Material: Aluminum



# Part No.	Diameter		ØO	ØG	C	B	Ød	Drilling Number
	mm	in	mm	mm	mm	mm	mm	
RDSA080001	80	3.15	208	160	101	20	18	4
RDSA100001	100	3.94	230	180	102	20	18	4
RDSA125001	125	4.92	250	210	112	24	10	8
RDSA150001	150	5.91	295	240	152	24	22	8
RDSA200001	200	7.87	352	295	171	26	22	8
RDSA250001	250	9.84	405	350	186	28	22	12
RDSA300001	300	11.81	445	400	190	28	22	12

CONTA

Gaskets for Frame Hose Couplings



# Part No.	Diameter		ØD	ØD1	ØD2	C	B
	mm	in	mm	mm	mm	mm	mm
CONTA08001	80	3.15	118	78	75,5	23,0	3,5
CONTA10001	100	4.00	138	98	95,5	23,0	3,5
CONTA12501	125	5.00	183	123	120,0	31,5	4
CONTA15001	150	6.00	208	148	145,0	31,5	4
CONTA20001	200	8.00	250	198	195,0	31,5	4
CONTA25001	250	10.00	311	248	245,0	37,0	4
CONTA30001	300	12.00	366	292,0	37,0	4	

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM001 Corrugated Dry Bulk Suction and Discharge

Construction:

Tube: Anti-static natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Corrugated synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement placement

Type of Couplings:

- Frame coupling and gaskets

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHM001-50-	MXX	100	80	80,0	3.15	113,0	4.45	10,5	150	31	450	350	13.78	94,8	28	6,58	4.42	40-61	100
EHM001-64-	MXX	100	102	101,6	4.00	133,0	5.24	10,5	150	31	450	500	19.68	94,8	28	7,66	5.15	40-61	100
EHM001-80-	MXX	100	130	127,0	5.00	158,0	6.22	10,5	150	31	450	650	25.59	94,8	28	9,82	6.60	40-61	100
EHM001-96-	MXX	100	150	152,4	6.00	183,0	7.20	10,5	150	31	450	750	29.53	94,8	28	12,12	8.15	40-61	100
EHM001-128-	M20	20	200	203,2	8.00	234,0	9.21	10,5	150	31	450	1750	68.90	80,0	24	16,59	11.15	20	20
EHM001-160-	M12	20	250	254,0	10.00	286,0	11.26	10,5	150	31	450	2000	78.74	80,0	24	22,18	14.91	12	20
EHM001-192-	M12	20	305	304,8	12.00	341,0	13.43	10,5	150	31	450	2500	98.42	80,0	24	26,52	17.83	12	20

*Coupling sold separately

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK014 Corrugated Abrasion Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Corrugated synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of abrasive powders, dust, granules, sand, gravel and cement

Markets:

- Construction
- In-plant transfer
- Tank truck
- Dry cement delivery

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK014-16-	MXX	100	25	25,4	1.00	37,5	1.48	10,5	150	31	450	75	2.95	94,8	28	0,80	0.54	40-61	100
EHK014-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	95	3.74	94,8	28	0,92	0.62	40-61	100
EHK014-24-	MXX	100	38	38,1	1.50	51,0	2.01	10,5	150	31	450	110	4.33	94,8	28	1,23	0.83	40-61	100
EHK014-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	150	5.91	94,8	28	1,70	1.14	40-61	100
EHK014-40-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	190	7.48	94,8	28	2,28	1.53	40-61	100
EHK014-48-	MXX	100	80	76,2	3.00	90,5	3.56	10,5	150	31	450	225	8.86	94,8	28	2,96	1.99	40-61	100
EHK014-56-	MXX	100	90	88,9	3.50	106,0	4.17	10,5	150	31	450	270	10.63	94,8	28	3,72	2.50	40-61	100
EHK014-64-	MXX	100	102	101,6	4.00	119,0	4.69	10,5	150	31	450	325	12.80	94,8	28	4,50	3.02	40-61	100
EHK014-80-	MXX	100	130	127,0	5.00	147,0	5.79	10,5	150	13	450	450	17.72	94,8	28	6,56	4.41	40-61	100
EHK014-96-	MXX	100	150	152,4	6.00	173,0	6.81	10,5	150	31	450	550	21.65	94,8	28	8,64	5.81	40-61	100
EHK014-128-	MXX	20	200	203,2	8.00	227,0	8.94	10,5	150	31	450	900	35.43	80,0	24	13,67	9.19	20-40	20
EHK014-160-	MXX	20	250	254,0	10.00	279,0	10.98	10,5	150	31	450	1200	47.24	80,0	24	16,79	11.28	10	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM002 Abrasive Material Suction and Discharge

Construction:

Tube: Anti-static natural rubber

Reinforcement: High-tensile synthetic textile with steel helical wire and anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel and dry cement

Markets:

- Construction
- Cement placement

Type of Couplings:

- Rubber beaded end with flange

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHM002-48-	M61	–	80	76,2	3.00	103	4.06	10,5	150	31	450	305	12.00	94,8	28	5,18	3.48	61	–
EHM002-64-	M61	–	102	101,6	4.00	131	5.16	10,5	150	31	450	550	21.65	94,8	28	7,23	4.86	61	–
EHM002-80-	M61	–	130	127,0	5.00	156	6.14	10,5	150	31	450	650	25.59	80,0	24	9,18	6.17	61	–
EHM002-96-	M61	–	150	152,4	6.00	180	7.09	10,5	150	31	450	900	35.43	80,0	24	10,55	7.09	61	–
EHM002-128-	M20	–	200	203,2	8.00	233	9.17	10,5	150	31	450	1200	47.24	80,0	24	15,52	10.43	20	–
EHM002-160-	M10	–	250	254,0	10.00	291	11.46	8	116	24	350	1600	62.99	80,0	24	23,50	15.80	10	–
EHM002-192-	M10	–	305	304,8	12.00	333	13.11	8	116	24	350	2050	80.71	80,0	24	27,10	18.22	10	–

*Coupling sold separately

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK013 Abrasion Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of abrasive powders, dust, granules, sand, gravel and cement

Markets:

- Construction
- In-plant transfer
- Tank truck
- Dry cement delivery

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK013-16-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	100	3.94	94,8	28	0,60	0.40	40-61	100
EHK013-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	125	4.92	94,8	28	0,78	0.52	40-61	100
EHK013-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31	450	150	5.91	94,8	28	0,90	0.61	40-61	100
EHK013-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	200	7.87	94,8	28	1,35	0.91	40-61	100
EHK013-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31	450	250	9.84	94,8	28	1,65	1.11	40-61	100
EHK013-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	300	11.81	94,8	28	1,98	1.33	40-61	100
EHK013-56-	MXX	100	90	88,9	3.50	104,0	4.09	10,5	150	31	450	360	14.17	94,8	28	2,43	1.63	40-61	100
EHK013-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	31	450	450	17.72	94,8	28	3,15	2.11	40-61	100
EHK013-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	13	450	570	22.44	94,8	28	4,61	3,10	40-61	100
EHK013-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	700	27.56	94,8	28	5,73	3.85	40-61	100
EHK013-128-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31	450	990	38.98	80,0	24	8,35	5.61	20-40	20
EHK013-160-	MXX	20	250	254,0	10.00	276,0	10.87	10,5	150	31	450	1440	56.69	80,0	24	10,94	7.35	10	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM005 Hard Wall Material Handing Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: EPDM

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of abrasive materials including barite bentonite

Markets:

- Construction
- In-plant transfer
- Tank truck
- Bottling plant
- Coal plant
- Well service
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHM005-64-	MXX	100	102	101,6	4.00	123	4.84	10,5	150	41	600	1020	40.16	80,0	24	5,37	3.61	40-61	100
EHM005-80-	MXX	100	130	127,0	5.00	149	5.87	10,5	150	41	600	1270	50.00	80,0	24	6,97	4.68	40-61	100
EHM005-96-	MXX	100	150	152,4	6.00	174	6.85	10,5	150	41	600	1520	59.84	80,0	24	8,71	5.85	40-61	100

Material Handling

Slurry & Abrasive Resistant

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK012 Abrasion Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of abrasive powders, dust, granules, sand, gravel, and cement

Markets:

- Construction
- In-plant transfer
- Tank truck
- Dry cement delivery

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK012-16-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,60	0.40	40-61	100
EHK012-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	0,78	0.52	40-61	100
EHK012-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31	450	0,90	0.61	40-61	100
EHK012-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	1,35	0.91	40-61	100
EHK012-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31	450	1,65	1.11	40-61	100
EHK012-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	1,98	1.33	40-61	100
EHK012-56-	MXX	100	90	88,9	3.50	104,0	4.09	10,5	150	31	450	2,43	1.63	40-61	100
EHK012-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	31	450	3,15	2.11	40-61	100
EHK012-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	13	450	4,61	3,10	40-61	100
EHK012-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	5,73	3.85	40-61	100
EHK012-128-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31	450	8,35	5.61	20-40	20
EHK012-160-	MXX	20	250	254,0	10.00	276,0	10.87	10,5	150	31	450	10,94	7.35	10	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM004 Soft Wall Material Handling Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: EPDM

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of abrasive materials including barite bentonite

Markets:

- Construction
- In-plant transfer
- Tank truck
- Bottling plant
- Coal plant
- Well service
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHM004-48-	MXX	100	80	76,2	3.00	97	3.82	13,8	200	55	800	760	29.92	3,24	2.18	40-61	100
EHM004-64-	MXX	100	102	101,6	4.00	123	4.84	10,5	150	41	600	1020	40.16	4,50	3.03	40-61	100
EHM004-80-	MXX	100	130	127,0	5.00	149	5.87	10,5	150	41	600	1270	50.00	5,82	3.91	40-61	100
EHM004-96-	MXX	100	150	152,4	6.00	174	6.85	10,5	150	41	600	1520	59.84	6,63	4.46	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK011 Abrasion Gravity Fed

Construction:

Tube: Natural rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of abrasive materials without pressure

Markets:

- Construction
- Dry cement delivery

# Part No.			Hose I.D.			Hose O.D.		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	kg/m	lbs/ft	mtr	ft
EHK011-16-	MXX	100	25	25,4	1.00	35,4	1.39	0,48	0.32	40-61	100
EHK011-22-	MXX	100	–	35,0	1.38	45,0	1.77	0,63	0.42	40-61	100
EHK011-28-	MXX	100	–	45,0	1.75	55,0	2.17	0,80	0.53	40-61	100
EHK011-32-	MXX	100	51	50,8	2.00	60,0	2.36	0,81	0.54	40-61	100
EHK011-48-	MXX	100	80	76,2	3.00	86,2	3.39	1,27	0.85	40-61	100
EHK011-56-	MXX	100	90	88,9	3.50	100,0	3.94	1,49	1.00	40-61	100
EHK011-64-	MXX	100	102	101,6	4.00	111,6	4.39	1,67	1.12	40-61	100
EHK011-72-	MXX	100	–	114,0	4.50	124,0	4.88	1,87	1.26	20-40	100
EHK011-80-	M20	100	130	127,0	5.00	137,0	5.39	2,06	1.39	20	100
EHK011-88-	M20	100	–	140,0	5.50	150,0	5.91	2,26	1.52	20	100
EHK011-96-	M20	100	150	152,4	6.00	162,4	6.39	2,46	1.65	20	100
EHK011-106-	M20	20	–	168,0	6.63	178,0	7.01	2,71	1.82	20	20
EHK011-128-	M20	20	200	203,2	8.00	213,0	8.39	3,25	2.18	20	20
EHK011-138-	M10	20	–	219,0	8.63	229,0	9.02	3,50	2.35	10	20
EHK011-160-	M10	20	250	254,0	10.00	264,0	10.39	4,05	2.72	10	20
EHK011-172-	M10	20	–	273,0	10.75	283,0	11.14	4,34	2.92	10	20
EHK011-192-	M10	20	305	304,8	12.00	316,0	12.44	4,86	3.26	10	20
EHK011-204-	M10	20	–	323,0	12.75	333,0	13.11	5,13	3.45	10	20
EHK011-224-	M6	20	350	356,0	14.00	366,0	14.41	5,64	3.79	6	20
EHK011-256-	M6	20	–	406,0	16.00	416,0	16.38	6,43	4.32	6	20
EHK011-284-	M2	6	–	450,0	17.75	460,0	18.11	7,11	4.78	2	6
EHK011-288-	M6	20	–	457,0	18.00	467,0	18.39	7,22	4.85	6	20
EHK011-320-	M6	20	–	508,0	20.00	518,0	20.39	8,02	5.39	6	20

EHK004 Channeled Dry Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Channeled synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK004-16-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	31	450	80	3.15	94,8	28	0,77	0.52	40-61	100
EHK004-20-	MXX	100	31	31,8	1.25	42,5	1.67	10,5	150	31	450	100	3.94	94,8	28	0,94	0.63	40-61	100
EHK004-24-	MXX	100	38	38,1	1.50	48,4	1.91	10,5	150	31	450	120	4.72	94,8	28	1,09	0.73	40-61	100
EHK004-32-	MXX	100	51	50,8	2.00	62,0	2.44	10,5	150	31	450	160	6.30	94,8	28	1,61	1.08	40-61	100
EHK004-40-	MXX	100	60	63,5	2.50	76,0	2.99	10,5	150	31	450	200	7.87	94,8	28	2,14	1.44	40-61	100
EHK004-48-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31	450	250	9.84	94,8	28	2,45	1.65	40-61	100
EHK004-56-	MXX	100	90	88,9	3.50	104,5	4.11	10,5	150	31	450	300	11.81	94,8	28	3,43	2.31	40-61	100
EHK004-64-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	350	13.78	94,8	28	4,14	2.78	40-61	100
EHK004-80-	MXX	100	130	127,0	5.00	145,5	5.73	10,5	150	31	450	450	17.72	80,0	24	6,31	4.24	40-61	100
EHK004-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	560	22.05	80,0	24	8,04	5.40	40-61	100

EHK003 Corrugated Dry Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Corrugated synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK003-16-	MXX	100	25	25,4	1.00	37,5	1.48	10,5	150	31	450	85	3.35	94,8	28	0,79	0.53	40-61	100
EHK003-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	115	4.53	94,8	28	0,95	0.64	40-61	100
EHK003-24-	MXX	100	38	38,1	1.50	51,0	2.00	10,5	150	31	450	135	5.31	94,8	28	1,27	0.86	40-61	100
EHK003-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	180	7.09	94,8	28	1,75	1.18	40-61	100
EHK003-40-	MXX	100	60	63,5	2.50	77,5	3.05	10,5	150	31	450	230	9.06	94,8	28	2,35	1.58	40-61	100
EHK003-48-	MXX	100	80	76,2	3.00	90,5	3.56	10,5	150	31	450	280	11.02	94,8	28	3,04	2.04	40-61	100
EHK003-56-	MXX	100	90	88,9	3.50	106,0	4.17	10,5	150	31	450	340	13.39	94,8	28	3,82	2.57	40-61	100
EHK003-64-	MXX	100	102	101,6	4.00	119,0	4.69	10,5	150	31	450	400	15.75	94,8	28	4,61	3.10	40-61	100
EHK003-80-	MXX	100	130	127,0	5.00	147,0	5.79	10,5	150	31	450	500	19.68	94,8	28	6,75	4.54	40-61	100
EHK003-96-	MXX	100	150	152,4	6.00	173,0	6.81	10,5	150	31	450	630	24.90	94,8	28	8,86	5.96	40-61	100
EHK003-128-	M20	20	200	203,2	8.00	227,0	8.94	10,5	150	31	450	1000	39.37	80,0	24	13,22	8.89	20	20
EHK003-160-	M20	20	250	254,0	10.00	279,0	10.98	10,5	150	31	450	1300	51.18	80,0	24	17,15	11.53	20	20

EHK002 Dry Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK002-16-	MXX	100	25	25,4	1.00	39,0	1.54	10,5	150	31	450	125	4.92	94,8	28	0,88	0.59	40-61	100
EHK002-20-	MXX	100	31	31,8	1.25	45,0	1.77	10,5	150	31	450	160	6.30	94,8	28	1,05	0.71	40-61	100
EHK002-24-	MXX	100	38	38,1	1.50	52,0	2.05	10,5	150	31	450	190	7.48	94,8	28	1,40	0.94	40-61	100
EHK002-32-	MXX	100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	250	9.84	94,8	28	1,98	1.33	40-61	100
EHK002-40-	MXX	100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	315	12.40	94,8	28	2,31	1.55	40-61	100
EHK002-48-	MXX	100	80	76,2	3.00	92,0	3.62	10,5	150	31	450	380	14.96	94,8	28	3,11	2.09	40-61	100
EHK002-56-	MXX	100	90	88,9	3.50	107,0	4.21	10,5	150	31	450	450	17.72	94,8	28	3,76	2.53	40-61	100
EHK002-64-	MXX	100	102	101,6	4.00	120,0	4.72	10,5	150	31	450	550	21.65	94,8	28	4,55	3.06	40-61	100
EHK002-80-	MXX	100	130	127,0	5.00	149,0	5.87	10,5	150	31	450	700	27.56	94,8	28	6,70	4.50	40-61	100
EHK002-96-	MXX	100	150	152,4	6.00	174,5	6.87	10,5	150	31	450	850	33.46	94,8	28	8,81	5.92	40-61	100
EHK002-128-	M20	20	200	203,2	8.00	229,0	9.02	10,5	150	31	450	1200	47.24	80,0	24	13,69	9.20	20	20
EHK002-160-	M20	20	250	254,0	10.00	281,0	11.06	10,5	150	31	450	1600	62.99	80,0	24	17,16	11.54	20	20

EHK010 Dry Bulk Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK010-16-	MXX	100	25	25,4	1.00	37	1.46	5	75	15,5	225	130	5.12	94,8	28	0,73	0.49	40-61	100
EHK010-20-	MXX	100	31	31,8	1.25	43	1.69	5	75	15,5	225	165	6.50	94,8	28	0,87	0.58	40-61	100
EHK010-24-	MXX	100	38	38,1	1.50	50	1.97	5	75	15,5	225	200	7.87	94,8	28	1,21	0.81	40-61	100
EHK010-32-	MXX	100	51	50,8	2.00	64	2.52	5	75	15,5	225	270	10.63	94,8	28	1,73	1.16	40-61	100
EHK010-40-	MXX	100	60	63,5	2.50	77	3.03	5	75	15,5	225	325	12.80	94,8	28	2,11	1.42	40-61	100
EHK010-48-	MXX	100	80	76,2	3.00	91	3.58	5	75	15,5	225	400	15.75	94,8	28	2,92	1.96	40-61	100
EHK010-56-	MXX	100	90	88,9	3.50	105	4.13	5	75	15,5	225	470	18.50	94,8	28	3,54	2.38	40-61	100
EHK010-64-	MXX	100	102	101,6	4.00	118	4.65	5	75	15,5	225	570	22.44	94,8	28	4,00	2.69	40-61	100
EHK010-80-	MXX	100	130	127,0	5.00	146	5.75	5	75	15,5	225	720	28.35	94,8	28	6,01	4.04	40-61	100
EHK010-96-	MXX	100	150	152,4	6.00	172	6.77	5	75	15,5	225	870	34.25	94,8	28	7,98	5.36	40-61	100
EHK010-128-	M20	20	200	203,2	8.00	227	8.94	5	75	15,5	225	1220	48.03	80,0	24	12,68	8.52	20	20
EHK010-160-	M20	20	250	254,0	10.00	279	10.98	5	75	15,5	225	1630	64.17	80,0	24	15,76	10.59	20	20

EHK016 Dry Bulk Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of dry bulk materials, sand, gravel, dry cement

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK016-16-	MXX	100	25	25,4	1.00	37,0	1.46	10,5	150	31	450	0,62	0.42	40-61	100
EHK016-20-	MXX	100	31	31,8	1.25	44,0	1.73	10,5	150	31	450	0,82	0.55	40-61	100
EHK016-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31	450	0,95	0.64	40-61	100
EHK016-28-	MXX	100	45	44,5	1.75	58,0	2.28	10,5	150	31	450	1,27	0.85	40-61	100
EHK016-32-	MXX	100	51	50,8	2.00	64,5	2.54	10,5	150	31	450	1,42	0.95	40-61	100
EHK016-40-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31	450	1,73	1.16	40-61	100
EHK016-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	2,09	1.41	40-61	100
EHK016-56-	MXX	100	90	88,9	3.50	104,0	4.09	10,5	150	31	450	2,56	1.72	40-61	100
EHK016-64-	MXX	100	102	101,6	4.00	118,0	4.65	10,5	150	31	450	3,25	2.18	40-61	100
EHK016-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	31	450	4,84	3.25	40-61	100
EHK016-96-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	6,00	4.03	40-61	100
EHK016-128-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31	450	8,71	5.86	20-40	20
EHK016-160-	M20	20	250	254,0	10.00	276,0	10.87	10,5	150	31	450	11,40	7.66	20	20

EHK001 Dry Bulk Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of dry cement and abrasive materials

Markets:

- Construction
- Cement
- Swimming pool

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHK001-32-	MXX	100	51	50,8	2.00	60,4	2.38	5	75	15,5	225	0,96	0.65	40-61	100
EHK001-40-	MXX	100	60	63,5	2.50	73,0	2.87	5	75	15,5	225	1,18	0.79	40-61	100
EHK001-48-	MXX	100	80	76,2	3.00	86,0	3.39	5	75	15,5	225	1,39	0.93	40-61	100
EHK001-50-	MXX	100	80	79,4	3.13	90,0	3.54	5	75	15,5	225	1,52	1.02	40-61	100
EHK001-56-	MXX	100	90	88,9	3.50	100,0	3.94	5	75	15,5	225	1,77	1.19	40-61	100
EHK001-64-	MXX	100	102	101,6	4.00	112,0	4.41	5	75	15,5	225	2,03	1.36	40-61	100
EHK001-67-	MXX	100	110	109,5	4.31	120,0	4.72	5	75	15,5	225	2,10	1.41	40-61	100
EHK001-80-	MXX	100	130	127,0	5.00	137,0	5.39	5	75	15,5	225	2,41	1.62	40-61	100
EHK001-96-	MXX	100	150	152,4	6.00	164,0	6.46	5	75	15,5	225	3,41	2.29	40-61	100
EHK001-128-	MXX	20	200	203,2	8.00	215,0	8.46	5	75	15,5	225	4,66	3.13	20-40	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0347 WILDCAT™ Dry Material

Construction:

Tube: Static dissipating natural rubber/SBR

Reinforcement: 2-ply fiber with dual helical wires

Cover: SBR

Operating Temperature:

-23°C to +71°C
(-10°F to +160°F)

Application:
- Transfer of dry bulk
- Discharge of abrasive material
- Transfer of bottle caps
- Transfer of cleaning agents

Markets:
- In-plant transfers
- Tank truck
- Bottling plant
- Coal plant
- Dry cement operations
- Well service

Type of Couplings:
- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H034748-100	80	76,2	3.00	101,6	4.00	7	100	28	400	228,6	9.00	4.76	3.20	30,5	100
H034764-100	102	101,6	4.00	127,0	5.00	7	100	28	400	279,4	11.00	6,55	4.40	30,5	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0521 WILDCAT™ Heavy Duty Dry Material

Construction:

Tube: 1/4" tube thickness natural rubber blend

Reinforcement: 2-ply textile and conductive copper static wire

Cover: SBR

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Transfer of dry bulk
- Discharge of abrasive material
- Transfer of bottle caps
- Transfer of cleaning agents

Markets:

- In-plant transfers
- Tank truck
- Bottling plant
- Coal plant
- Dry cement operations
- Well service

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H052164-100	102	101,6	4.00	122,2	4.03	5	75	20,7	300	4,03	2.71	30,5	100
H052180-100	130	127,0	5.00	147,0	5.79	5	75	20,7	300	5,02	3.37	30,5	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0319 WILDCAT™ Softwall Dry Material

Construction:

Tube: 3/16" tube thickness natural rubber blend

Reinforcement: 2-ply textile and conductive copper static wire

Cover: NR blend

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Transfer of dry bulk
- Discharge of abrasive material
- Transfer of bottle caps
- Transfer of cleaning agents

Markets:

- In-plant transfers
- Tank truck
- Bottling plant
- Coal plant
- Dry cement operations
- Well service

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H031964-100	102	101,6	4.00	117	4.61	5	75	20,7	300	3,35	2.25	30,5	100
H031980-100	130	127,0	5.00	144	5.67	5	75	20,7	300	4,22	2.84	30,5	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0349 WILDCAT™ Hot Air Transfer

Construction:

Tube: EPM

Reinforcement: Textile with dual helical wires

Cover: Pin-pricked EPDM

Operating Temperature:

-34°C to +177°C
(-30°F to +350°F)

Application:

- Hot air blower hose
- Hot, dry, non-oily applications

Markets:

- Construction
- In-plant transfers
- Tank truck
- Dry cement delivery

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H034948-100	80	76,2	3.00	90,5	3.56	10,5	150	42	600	350	13.78	81,3	24	2,85	1.92	30,5	100
H034964-100	102	101,6	4.00	116,6	4.59	7,0	100	28	400	460	18.11	81,3	24	3,58	2.41	30,5	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM003 Hot Air Blower

Construction:

Tube: EPM

Reinforcement: High-tensile synthetic textile

Cover: EPDM

Operating Temperature:

-40°C to +200°C
Intermittent to 240° C

(-40°F to +392°F)
Intermittent to 464°F

Application:

- Hot air blower hose
- Hot, dry, non-oily applications

Markets:

- Construction
- In-plant transfers
- Tank truck
- Dry cement delivery

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHM003-16-	MXX	100	25	25,4	1.00	39	1.54	10,5	150	31	450	0,83	0.55	40-61	100
EHM003-20-	MXX	100	31	31,8	1.25	46	1.81	10,5	150	31	450	1,00	0.67	40-61	100
EHM003-24-	MXX	100	38	38,1	1.50	54	2.13	10,5	150	31	450	1,41	0.95	40-61	100
EHM003-32-	MXX	100	51	50,8	2.00	68	2.68	10,5	150	31	450	1,96	1.31	40-61	100
EHM003-40-	MXX	100	60	63,5	2.50	81	3.19	10,5	150	31	450	2,39	1.61	40-61	100
EHM003-48-	MXX	100	80	76,2	3.00	94	3.70	10,5	150	31	450	2,81	1.89	40-61	100
EHM003-64-	MXX	100	102	101,6	4.00	120	4.72	10,5	150	31	450	3,85	2.59	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0034 WILDCAT™ Sandblast

Construction:

Tube: Natural rubber

Reinforcement: 4-ply textile

Cover: SBR

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Conveys sand or shot for cleaning purposes
- Conveys sand from sandblast equipment to clean steel or concrete before painting or sealing

Markets:

- Construction
- Metal working
- Ship building

Type of Couplings:

- Sandblast couplings that attach to the O.D. of hose

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H003408-100	12	12,7	0.50	27,0	1.06	10,5	150	41	600	60	2.36	0,60	0.40	30,5	100
H003412-100	19	19,0	0.75	38,1	1.50	10,5	150	41	600	80	3.15	1,03	0.69	30,5	100
H003416-100	24	25,4	1.00	47,6	1.87	10,5	150	41	600	115	4.53	1,53	1.03	30,5	100
H003420-100	31	31,8	1.25	54,8	2.16	10,5	150	41	600	135	5.31	1,84	1.23	30,5	100
H003424-100	38	38,0	1.50	60,0	2.36	10,5	150	41	600	175	6.89	1.98	1.33	30,5	100
H003432-100	51	50,8	2.00	73,0	2.87	10,5	150	41	600	310	12,2	2.47	1.66	30,5	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC502 Sandblast 2-ply – 60mm³

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked natural and synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Conveys sand or shot for cleaning purposes
- Conveys sand from sandblast equipment to clean steel or concrete before painting or sealing

Markets:

- Construction
- Metal working
- Ship building

Type of Couplings:

- Sandblast couplings that attach to the O.D. of hose

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC502-08-	MXX	100	12	12,7	0.50	25,4	1.00	12,1	175	36	525	125	4.92	0,45	0.30	40-61	100
EHC502-08A-	MXX	100	12	12,7	0.50	26,9	1.06	12,1	175	36	525	125	4.92	0,53	0.36	40-61	100
EHC502-08B-	MXX	100	12	12,7	0.50	28,5	1.12	12,1	175	36	525	125	4.92	0,60	0.40	40-61	100
EHC502-12-	MXX	100	19	19,0	0.75	38,0	1.50	12,1	175	36	525	190	7.48	0,97	0.65	40-61	100
EHC502-16-	MXX	100	24	25,4	1.00	47,0	1.85	12,1	175	36	525	250	9.84	1,38	0.93	40-61	100
EHC502-20-	MXX	100	31	31,8	1.25	47,6	1.87	12,1	175	36	525	320	12.60	1,11	0.75	40-61	100
EHC502-20A-	MXX	100	31	31,8	1.25	54,7	2.15	12,1	175	36	525	320	12.60	1,79	1.20	40-61	100
EHC502-24-	MXX	100	38	38,1	1.50	60,0	2.36	12,1	175	36	525	380	14.96	1,96	1.32	40-61	100
EHC502-32-	MXX	100	51	50,8	2.00	73,0	2.87	12,1	175	36	525	500	19.68	2,50	1.68	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC501 Sandblast – 35mm³

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked natural and synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Conveys sand or shot for cleaning purposes
- Conveys sand from sandblast equipment to clean steel or concrete before painting or sealing

Markets:

- Construction
- Metal working
- Ship building

Type of Couplings:

- Sandblast couplings that attach to the O.D. of hose

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC501-08-	MXX	100	12	12,7	0.50	25	0.98	12,1	175	36	525	125	4.92	0,41	0.27	40-61	100
EHC501-08A-	MXX	100	12	12,7	0.50	27	1.06	12,1	175	36	52`5	125	4.92	0,49	0.33	40-61	100
EHC501-10-	MXX	100	16	15,9	0.62	28	1.10	12,1	175	36	525	150	5.91	0,47	0.32	40-61	100
EHC501-10A-	MXX	100	16	15,9	0.62	30	1.18	12,1	175	36	525	150	5.91	0,57	0.38	40-61	100
EHC501-12-	MXX	100	19	19,0	0.75	30	1.18	12,1	175	36	525	190	7.48	0,48	0.32	40-61	100
EHC501-12A-	MXX	100	19	19,0	0.75	31	1.22	12,1	175	36	525	190	7.48	0,53	0.36	40-61	100
EHC501-12B-	MXX	100	19	19,0	0.75	33	1.30	12,1	175	36	525	190	7.48	0,65	0.44	40-61	100
EHC501-16-	MXX	100	24	25,4	1.00	39	1.54	12,1	175	36	525	250	9.84	0,81	0.55	40-61	100
EHC501-20-	MXX	100	31	31,8	1.25	48	1.89	12,1	175	36	525	320	12.60	1,16	0.78	40-61	100
EHC501-24-	MXX	100	38	38,1	1.50	54	2.13	12,1	175	36	525	380	14.96	1,33	0.89	40-61	100
EHC501-24A-	MXX	100	38	38,1	1.50	56	2.20	12,1	175	36	525	380	14.96	1,53	1.03	40-61	100
EHC501-28-	MXX	100	45	44,5	1.75	60	2.36	12,1	175	36	525	445	17.52	1,46	0.98	40-61	100
EHC501-28A-	MXX	10	45	44,5	1.75	63	2.48	12,1	175	36	525	445	17.52	1,81	1.22	40-61	100
EHC501-32-	MXX	100	51	50,8	2.00	69	2.72	12,1	175	36	525	500	19.68	2,02	1.36	40-61	100
EHC501-32A-	MXX	100	51	50,8	2.00	73	2.87	12,1	175	36	525	500	19.68	2,48	1.67	40-61	100
EHC501-40-	MXX	100	60	63,5	2.50	82	3.23	12,1	175	36	525	630	24.80	2,63	1.77	40-61	100
EHC501-48-	MXX	100	80	76,2	3.00	96	3.78	12,1	175	36	525	760	29.92	3,08	2.07	40-61	100
EHC501-64-	MXX	100	102	101,6	4.00	122	4.80	12,1	175	36	525	1000	39.37	4,21	2.83	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC500 Sandblast – 60mm³

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with anti-static copper wire

Cover: Pin-pricked natural and synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Conveys sand or shot for cleaning purposes
- Conveys sand from sandblast equipment to clean steel or concrete before painting or sealing

Markets:

- Construction
- Metal working
- Ship building

Type of Couplings:

- Sandblast couplings that attach to the O.D. of hose

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHC500-08-	MXX	100	12	12,7	0.50	25	0.98	12,1	175	36	525	125	4.92	0,41	0.28	40-61	100
EHC500-08A-	MXX	100	12	12,7	0.50	27	1.06	12,1	175	36	52`5	125	4.92	0,50	0.33	40-61	100
EHC500-10-	MXX	100	16	15,9	0.62	28	1.10	12,1	175	36	525	150	5.91	0,48	0.32	40-61	100
EHC500-10A-	MXX	100	16	15,9	0.62	30	1.18	12,1	175	36	525	150	5.91	0,58	0.39	40-61	100
EHC500-12-	MXX	100	19	19,0	0.75	30	1.18	12,1	175	36	525	190	7.48	0,49	0.33	40-61	100
EHC500-12A-	MXX	100	19	19,0	0.75	31	1.22	12,1	175	36	525	190	7.48	0,53	0.36	40-61	100
EHC500-12B-	MXX	100	19	19,0	0.75	33	1.30	12,1	175	36	525	190	7.48	0,65	0.44	40-61	100
EHC500-16-	MXX	100	24	25,4	1.00	39	1.54	12,1	175	36	525	250	9.84	0,81	0.55	40-61	100
EHC500-20-	MXX	100	31	31,8	1.25	48	1.89	12,1	175	36	525	320	12.60	1,16	0.78	40-61	100
EHC500-24-	MXX	100	38	38,1	1.50	54	2.13	12,1	175	36	525	380	14.96	1,34	0.90	40-61	100
EHC500-24A-	MXX	100	38	38,1	1.50	56	2.20	12,1	175	36	525	380	14.96	1,53	1.03	40-61	100
EHC500-28-	MXX	100	45	44,5	1.75	60	2.36	12,1	175	36	525	445	17.52	1,47	0.99	40-61	100
EHC500-28A-	MXX	10	45	44,5	1.75	63	2.48	12,1	175	36	525	445	17.52	1,82	1.22	40-61	100
EHC500-32-	MXX	100	51	50,8	2.00	69	2.72	12,1	175	36	525	500	19.68	2,03	1.36	40-61	100
EHC500-32A-	MXX	100	51	50,8	2.00	73	2.87	12,1	175	36	525	500	19.68	2,48	1.67	40-61	100
EHC500-40-	MXX	100	60	63,5	2.50	82	3.23	12,1	175	36	525	630	24.80	2,63	1.77	40-61	100
EHC500-48-	MXX	100	80	76,2	3.00	96	3.78	12,1	175	36	525	760	29.92	3,09	2.08	40-61	100
EHC500-64-	MXX	100	102	101,6	4.00	122	4.80	12,1	175	36	525	1000	39.37	4,22	2.84	40-61	100

Eaton Industrial Reminder

Proper Hose Handling

Proper Hose Handling

Proper hose handling can help preserve hose assembly life and work environment safety. Therefore, consider the following points when handling hose assemblies.

- Avoid crushing or kinking the hose. This can cause severe damage to the reinforcement that isn't always obvious when looking at the cover.
- Do not drag the hose or lift a large bore hose from the middle of its length with the ends hanging down. Doing so can cause kinking, cover cuts, hose reinforcement damage, and coupling damage.
- Limit curvature of the hose to the minimum bend radius recommended by the manufacturer. Also avoid sharp bends at the end fittings and the manifold connections.
- Do not exceed pressure and temperature limits because this could damage the hose and ultimately result in serious bodily injury or property damage. Monitor pressure and temperature during hose use.
- Never allow chemicals, solvents, or any other hazardous materials to drip onto ground. Always comply with environmental laws.
- Never allow chemicals to drip on the exterior of a hose or allow hose to lay in a pool of chemicals. The hose cover may not have the chemical resistance of the tube. If a corrosive material comes into contact with the hose reinforcement, the result could be early hose failure.
- Avoid extreme flexing of the hose near the coupling. If necessary, use elbows in the piping system to assure a straight line connection with the hose.
- Protect hose from heat, flame, cutting and twisting. Use shields or clamps to do this.
- Support hose to avoid mechanical strain on couplings.
- Be aware that dropping or dragging the assembly, chemical incompatibility, exposure to temperature extremes, or extensive internal coupling abrasion can cause leaks and reduce coupling retention.

Oil and Gas Exploration

Oil and Gas Exploration

Introduction and Safety Information

Pressure and Vacuum Rated

- Eaton manufactures braided and spiral hoses using the latest technology in wire and synthetic yarns. As a result, Eaton hoses are pressure and vacuum resistant, as well as flexible and easy to handle.

Quality Assured

- Value through design and quality control assures you of maximum performance from Eaton products.

Oil and Gas Exploration Hose Safety Information

Important!

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: 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.

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.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP001 BLACK CAT™ FRAC

Construction:

Tube: Nitrile blend (RMA Class A)

Reinforcement: 4-ply polyester fabric

Cover: Bruiser™ abrasion resistant cover

Operating Temperature:

-40°C to +93°C
(-40°F to +200°F)

Application:

- Petroleum based fluids, non-potable and salt water, fracturing solutions, and slurries

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of Couplings:

- King crimp style combination nipples
- One-piece hammer union frac fitting

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP00148	80	76,2	3.00	93,7	3.69	28	400	110	1600	762	30.0	3,08	2.07	15,3	50
EHP00148-100	80	76,2	3.00	93,7	3.69	28	400	110	1600	762	30.0	3,08	2.07	30,5	100
EHP00164	102	101,6	4.00	118,7	4.67	28	400	110	1600	1016	40.0	3,58	2.43	15,3	50
EHP00164-100	102	101,6	4.00	118,7	4.67	28	400	110	1600	1016	40.0	3,58	2.43	30,5	100

Oil and Gas Exploration

Frac and Well Service

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0377 Kelly Power Drilling Hose

Construction:

Tube: Nitrile/Hypalon blend

Reinforcement: 4-spiral wire

Cover: Neoprene

Operating Temperature:

-40°C to +121°C
(-40°F to +250°F)

Application:

- Rotary drilling on portable drilling rigs, work over rigs and slim hole rigs

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of Couplings:

- 430 "U" Series
- Unions
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H037732	51	50,8	2.00	66,7	2.63	207	3000	830	12000	635	25.00	4,61	3.10	15,2	50
H037732-100	51	50,8	2.00	66,7	2.63	207	3000	830	12000	635	25.00	4,61	3.10	30,5	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM005 Hard Wall Material Handing Suction and Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: EPDM

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For suction and discharge of abrasive materials including barite bentonite

Markets:

- Construction
- In-plant transfer
- Tank truck
- Bottling plant
- Coal plant
- Well service
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHM005-64-	MXX	100	102	101,6	4.00	123	4.84	10,5	150	41	600	1020	40.16	80,0	24	5,37	3.61	40-61	100
EHM005-80-	MXX	100	130	127,0	5.00	149	5.87	10,5	150	41	600	1270	50.00	80,0	24	6,97	4.68	40-61	100
EHM005-96-	MXX	100	150	152,4	6.00	174	6.85	10,5	150	41	600	1520	59.84	80,0	24	8,71	5.85	40-61	100

Oil and Gas Exploration

Suction and Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP005 Hard Wall Oilfield Oil/Fuel Suction and Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: CR rubber

Operating Temperature:

-35°C to +80°C
(-31°F to +176°F)

Application:

- For suction and discharge of heavy-duty petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Oil rig platform
- Tankers
- Barges
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP005-48-	MXX	100	80	76,2	3.00	93,5	3.68	17,2	250	70	1000	608	23.94	80,0	24	3,63	2.44	40-61	100
EHP005-64-	MXX	100	102	101,6	4.00	118,5	4.67	17,2	250	70	1000	816	32.13	80,0	24	4,80	3.23	40-61	100
EHP005-80-	MXX	100	130	127,0	5.00	149,0	5.87	10,5	150	41	600	1000	39.37	80,0	24	7,59	5.10	40-61	100
EHP005-96-	MXX	100	150	152,4	6.00	174,0	6.85	10,5	150	41	600	1216	47.87	80,0	24	9,36	6.29	40-61	100
EHP005-128-	M20	20	200	203,2	8.00	230,0	9.06	10,5	150	41	600	1624	63.94	80,0	24	15,39	10.35	20	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP004 Heavy Duty Oilfield Liquid Mud Suction & Discharge

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile with dual steel helical wire and antistatic copper wire

Cover: CR rubber

Operating Temperature:

-35°C to +80°C
(-31°F to +176°F)

Application:

- For suction and discharge of high pressure liquid mud, mineral oils, etc.

Markets:

- Oil rig platform
- Oil and gas exploration

Type of Couplings:

- Cam and Groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP004-64-	MXX	200	102	101,6	4.00	127	5.00	41	600	165	2400	1020	40.16	80,0	24	6,91	4.65	40-61	200
EHP004-80-	MXX	200	130	127,0	5.00	153	6.02	41	600	165	2400	1279	50.35	80,0	24	9,70	6.52	40-61	200

Oil and Gas Exploration

Suction and Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP007 Oilfield Suction

Construction:

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with a single steel helical wire for smaller sizes and dual helical wire available on 8.00" and 10.00" and an anti-static copper wire

Cover: Nitrile/PVC

Operating Temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For transfer applications such as drilling mud or crude oil
- For use with petroleum products with aromatic content up to 50%

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of Couplings:

- Cam and groove
- Male NPT
- Unions

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP007-24-	MXX	100	38	38,1	1.50	49,0	1.93	10,5	150	31	450	110	4.33	94,8	28	1,11	0.75	40-61	100
EHP007-32-	MXX	100	51	50,8	2.00	63,0	2.48	10,5	150	31	450	170	6.69	94,8	28	1,58	1.06	40-61	100
EHP007-40-	MXX	100	60	63,5	2.50	76,0	2.99	10,5	150	31	450	210	8.27	94,8	28	2,04	1.37	40-61	100
EHP007-48-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31	450	230	9.06	94,8	28	2,69	1.81	40-61	100
EHP007-64-	MXX	100	102	101,6	4.00	117,0	4.61	10,5	150	31	450	400	15.75	94,8	28	3,90	2.62	40-61	100
EHP007-96-	MXX	100	150	152,4	6.00	170,0	6.69	10,5	150	31	450	675	26.57	94,8	28	7,56	5.08	40-61	100
EHP007-128-	MXX	20	200	203,2	8.00	228,0	8.98	10,5	150	31	450	1025	40.35	80,0	24	13,79	9.27	10	20
EHP007-128-	MXX	25	200	203,2	8.00	228,0	8.98	10,5	150	31	450	1025	40.35	80,0	24	13,79	9.27	10	25
EHP007-160-	MXX	20	250	254,0	10.00	282,0	11.10	10,5	150	31	450	1450	57.09	80,0	24	18,30	12.30	10	20
EHP007-160-	MXX	25	250	254,0	10.00	282,0	11.10	10,5	150	31	450	1450	57.09	80,0	24	18,30	12.30	10	25

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP009 Oilfield Vacuum

Construction:

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with dual steel helical wires

Cover: Corrugated EPDM blend

Operating Temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For transfer applications such as drilling mud or crude oil

Not recommended for refined petroleum products

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of Couplings:

- Cam and groove
- Male NPT
- Unions

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP009-24-	MXX	100	38	38,1	1.50	45,1	1.78	10,5	150	31	450	115	4.53	94,8	28	1,07	0.72	40-61	100
EHP009-32-	MXX	100	51	50,8	2.00	61,1	2.41	10,5	150	31	450	145	5.71	94,8	28	1,58	1.06	40-61	100
EHP009-40-	MXX	100	60	63,5	2.50	80,5	3.17	10,5	150	31	450	195	7.68	94,8	28	2,12	1.42	40-61	100
EHP009-48-	MXX	100	80	76,2	3.00	90,9	3.58	10,5	150	31	450	240	9.45	94,8	28	2,70	1.81	40-61	100
EHP009-64-	MXX	100	102	101,6	4.00	116,4	4.58	10,5	150	31	450	340	13.39	94,8	28	3,87	2.60	40-61	100
EHP009-96-	MXX	100	150	152,4	6.00	171,4	6.75	10,5	150	31	450	650	25.59	80,0	24	7,57	5.09	40-61	100
EHP009-128-	MXX	20	200	203,2	8.00	224,5	8.84	10,5	150	31	450	900	35.43	80,0	24	13,52	9.09	10	20
EHP009-128-	MXX	25	200	203,2	8.00	224,5	8.84	10,5	150	31	450	900	35.43	80,0	24	13,52	9.09	10	25
EHP009-160-	MXX	20	250	254,0	10.00	276,5	10.88	10,5	150	31	450	1400	55.12	80,0	24	17,89	12.02	10	20
EHP009-160-	MXX	25	250	254,0	10.00	276,4	10.88	10,5	150	31	450	1400	55.12	80,0	24	17,89	12.02	10	25

Oil and Gas Exploration

Suction and Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP002 Oilfield Mud Suction and Discharge

Construction:

Tube: Synthetic and natural rubber blend

Reinforcement: High-tensile synthetic textile and a single steel helical wire available on smaller sizes and dual helical wires available for 8.00" through 12.00"

Cover: EPDM blend

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For transfer applications such as drilling mud

Not recommended for refined petroleum products

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of Couplings:

- Cam and groove
- Male NPT
- Unions

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP002-16-	MXX	100	25	25,4	1.00	34,0	1.34	10,5	150	31	450	90	3.54	94,8	28	0,60	0.40	40-61	100
EHP002-24-	MXX	100	38	38,1	1.50	48,0	1.89	10,5	150	31	450	135	5.31	94,8	28	1,11	0.75	40-61	100
EHP002-32-	MXX	100	51	50,8	2.00	62,0	2.44	10,5	150	31	450	200	7.87	94,8	28	1,68	1.13	40-61	100
EHP002-40-	MXX	100	60	63,5	2.50	75,0	2.95	10,5	150	31	450	270	10.63	94,8	28	2,12	1.42	40-61	100
EHP002-48-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31	450	340	13.39	94,8	28	2,75	1.85	40-61	100
EHP002-64-	MXX	100	102	101,6	4.00	115,0	4.53	10,5	150	31	450	450	17.72	94,8	28	3,81	2.56	40-61	100
EHP002-96-	MXX	100	150	152,4	6.00	168,0	6.61	10,5	150	31	450	700	27.56	94,8	28	7,19	4.83	40-61	100
EHP002-128-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31	450	1100	43.31	80,0	24	13,22	8.88	20	20
EHP002-128-	MXX	25	200	203,2	8.00	225,0	8.86	10,5	150	31	450	1100	43.31	80,0	24	13,22	8.88	20	25
EHP002-160-	MXX	20	250	254,0	10.00	279,0	10.98	10,5	150	31	450	1500	59.06	80,0	24	18,26	12.27	10	20
EHP002-160-	MXX	25	250	254,0	10.00	279,0	10.98	10,5	150	31	450	1500	59.06	80,0	24	18,26	12.27	10	25
EHP002-192-	MXX	20	305	304,8	12.00	329,0	12.95	10,5	150	31	450	1900	74.80	80,0	24	20,68	13.90	10	20
EHP002-192-	MXX	25	305	304,8	12.00	329,0	12.95	10,5	150	31	450	1900	74.80	80,0	24	20,68	13.90	10	25

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHM004 Soft Wall Material Handling Discharge

Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: EPDM

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For discharge of abrasive materials including barite bentonite

Markets:

- Construction
- In-plant transfer
- Tank truck
- Bottling plant
- Coal plant
- Well service
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHM004-48-	MXX	100	80	76,2	3.00	97	3.82	13,8	200	55	800	760	29.92	3,24	2.18	40-61	100
EHM004-64-	MXX	100	102	101,6	4.00	123	4.84	10,5	150	41	600	1020	40.16	4,50	3.03	40-61	100
EHM004-80-	MXX	100	130	127,0	5.00	149	5.87	10,5	150	41	600	1270	50.00	5,82	3.91	40-61	100
EHM004-96-	MXX	100	150	152,4	6.00	174	6.85	10,5	150	41	600	1520	59.84	6,63	4.46	40-61	100

Oil and Gas Exploration

Discharge

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP003 Heavy Duty Oilfield Liquid Mud Discharge

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile with and antistatic copper wire

Cover: CR rubber

Operating Temperature:

-35°C to +80°C
(-31°F to +176°F)

Application:

- For discharge of high pressure liquid mud, mineral oils, etc.

Markets:

- Oil rig platform
- Oil and gas exploration

Type of Couplings:

- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP003-48-	MXX	200	80	76,2	3.00	97	3.82	41	600	165	2400	760	29.92	3,73	2.51	40-61	200
EHP003-64-	MXX	200	102	101,6	4.00	126	4.96	41	600	165	2400	1020	40.16	5,69	3.83	40-61	200

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW007 Soft Wall Water Discharge

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: CR

Operating Temperature:

-35°C to +80°C
(-31°F to +176°F)

Application:

- For water discharge

Markets:

- Construction
- Industrial
- Oil and gas exploration

Type of Couplings:

- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW007-48-	MXX	100	80	76,2	3.00	93	3.66	10,5	150	41	600	3,06	2.06	40-61	100
EHW007-64-	MXX	100	102	101,6	4.00	118	4.65	10,5	150	41	600	4,00	2.69	40-61	100
EHW007-80-	MXX	100	130	127,0	5.00	144	5.67	7,0	100	28	400	5,05	3.39	40-61	100
EHW007-96-	MXX	100	150	152,4	6.00	169	6.65	7,0	100	28	400	5,70	3.83	40-61	100

Oil and Gas Exploration

Potable Water

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF007 Heavy Duty Potable Water Suction and Discharge

Construction:

Tube: NR

Reinforcement: High-tensile synthetic textile with steel helical wire

Cover: EPDM rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of potable water

Markets:

- Food processing
- Tank truck
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF007-48-	MXX	200	80	76,2	3.00	97	3.82	17,2	250	70	1000	608	23.94	80,0	24	4,37	2.94	40-61	200
EHF007-64-	MXX	200	102	101,6	4.00	119	4.69	17,2	250	70	1000	816	32.13	80,0	24	4,57	3.07	40-61	200

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF006 Softwall Potable Water Discharge

Construction:

Tube: Non-toxic NR

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For discharge of potable water

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHF006-48-	MXX	200	80	76,2	3.00	93,0	3.66	10,0	145	40	580	760	29.92	3,24	2.18	40-61	200
EHF006-64-	MXX	200	102	101,6	4.00	118,5	4.67	10,0	145	40	580	1020	40.16	4,02	2.70	40-61	200
EHF006-80-	MXX	200	130	127,0	5.00	146,0	5.75	8,0	115	32	460	1270	50.00	5,25	3.53	40-61	200
EHF006-96-	MXX	200	150	152,4	6.00	169,0	6.65	8,0	115	32	460	1520	59.84	5,83	3.92	40-61	200

Oil and Gas Exploration

Chemical

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC019 Hard Wall Heavy Duty UHMW Suction and Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile, dual steel helical wire and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of corrosive chemicals, and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC019-48-	MXX	100	80	76,2	3.00	92,0	3.62	17,2	250	70	1000	530	20.87	80,0	24	3,20	2.15	40-61	100
EHC019-64-	MXX	100	102	101,6	4.00	121,0	7.64	17,2	250	70	1000	700	27.56	80,0	24	4,75	3.19	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHC018 Hard Wall Heavy Duty XLPE Suction & Discharge

Construction:

Tube: UHMW-PE

Reinforcement: High-tensile synthetic textile, dual steel helical wire and anti-static copper wire

Cover: EPDM rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of corrosive chemicals and solvents

Markets:

- Chemical petroleum industry
- In-plant transfers
- Tank truck
- Paper/pulp industry
- Bulk hauling
- Oil and gas exploration

Type of Couplings:

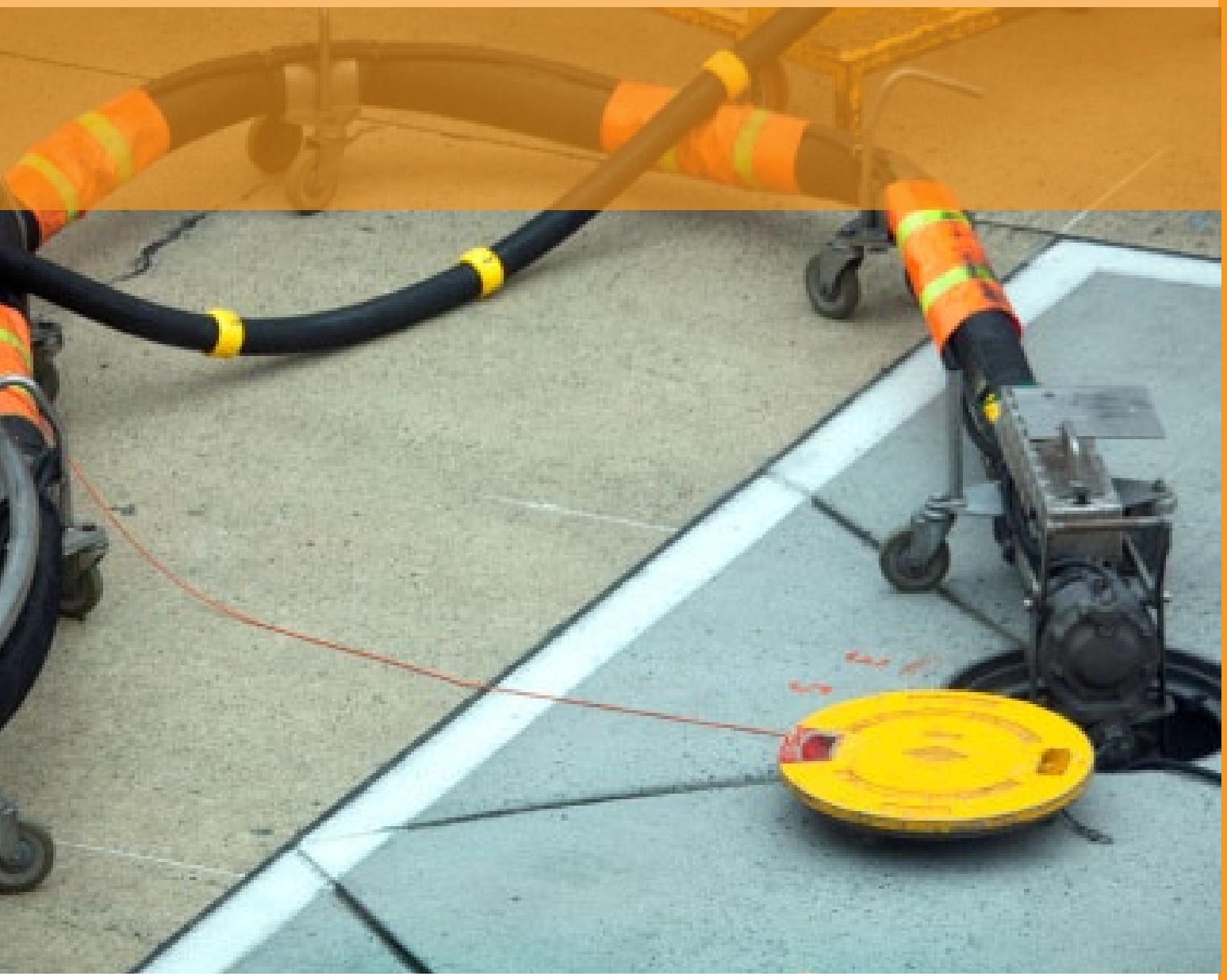
- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHC018-48-	MXX	100	80	76,1	3.00	91	3.58	10,5	150	41	600	530	20.87	80,0	24	3,20	2.15	40-61	100
EHC018-64-	MXX	100	102	101,6	4.00	120	4.72	10,5	150	41	600	700	27.56	80,0	24	4,68	3.14	40-61	100

Notes

Petroleum Service



Petroleum Service

Introduction and Safety Information

Environmental Resistance

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

Remove the Guesswork from Selecting, Buying and Using Critical Application Hose

- When you are handling hazardous material, it is critical to select the proper hose. Eaton products' high visibility branding and color coding removes the guesswork for hose selection.

Built to Make Work Faster, Easier and Safer

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

The Eaton Reputation for Quality

- Your assurance of dependable performance.

Petroleum Service Hose Safety Information

Important!

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: If cover blisters exist, be careful not to pop them. If the hose was damaged in such a way that material was allowed to leak between the cover and inner tube, the blisters may contain this material. If the material is hazardous and splatters when the blisters are popped, it could cause . serious physical injury.

WARNING: Kinks can cause hose to burst, leading to bodily harm.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHJ001

Aircraft Refueling Discharge – Type B

EN1361 Type B

Construction:

Tube: Conductive NBR rubber

Reinforcement: High-tensile synthetic textile braid and anti-static wire

Cover: Synthetic rubber

Operating Temperature:

-30°C to +65°C
(-22°F to +149°F)

Application:

- For ground refueling of aircraft

For use with petroleum products with aromatic content up to 30%

Markets:

- Aircraft refueling

Type of Couplings:

- API couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHJ001-12-	MXX	100	19	19,0	0.75	29	1.14	20,7	300	83	1200	113	4.45	0,52	0.35	40-61	100
EHJ001-16-	MXX	100	25	25,4	1.00	38	1.50	20,7	300	83	1200	150	5.91	0,84	0.56	40-61	100
EHJ001-20-	MXX	100	31	31,8	1.25	45	1.77	20,7	300	83	1200	190	7.48	1,00	0.67	40-61	100
EHJ001-24-	MXX	100	38	38,1	1.50	51	2.01	20,7	300	83	1200	225	8.86	1,16	0.78	40-61	100
EHJ001-32-	MXX	100	51	50,8	2.00	65	2.56	20,7	300	83	1200	275	10.83	1,70	1.14	40-61	100
EHJ001-40-	MXX	100	60	63,5	2.50	79	3.11	20,7	300	83	1200	300	11.81	2,06	1.38	40-61	100
EHJ001-48-	MXX	100	80	76,2	3.00	92	3.62	20,7	300	83	1200	300	11.81	2,56	1.72	40-61	100
EHJ001-64-	MXX	100	102	101,6	4.00	120	4.72	20,7	300	83	1200	450	17.72	3,73	2.51	40-61	100

Petroleum Service

Aircraft Refueling

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHJ002

Aircraft Refueling Discharge – Type C

EN1361 Type C

Construction:

Tube: Conductive NBR rubber

Reinforcement: High-tensile synthetic textile braid

Cover: Synthetic rubber

Operating Temperature:

-30°C to +65°C
(-22°F to +149°F)

Application:

- For ground refueling of aircraft

For use with petroleum products with aromatic content up to 30%

Markets:

- Aircraft refueling

Type of Couplings:

- API couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHJ002-12-	MXX	100	19	19,0	0.75	29	1.14	20,7	300	83	1200	113	4.45	0,52	0.35	40-61	100
EHJ002-16-	MXX	100	25	25,4	1.00	38	1.50	20,7	300	83	1200	150	5.91	0,84	0.56	40-61	100
EHJ002-20-	MXX	100	31	31,8	1.25	45	1.77	20,7	300	83	1200	190	7.48	1,00	0.67	40-61	100
EHJ002-24-	MXX	100	38	38,1	1.50	51	2.01	20,7	300	83	1200	225	8.86	1,16	0.78	40-61	100
EHJ002-32-	MXX	100	51	50,8	2.00	65	2.56	20,7	300	83	1200	275	10.83	1,71	1.15	40-61	100
EHJ002-40-	MXX	100	60	63,5	2.50	79	3.11	20,7	300	83	1200	300	11.81	2,07	1.39	40-61	100
EHJ002-48-	MXX	100	80	76,2	3.00	92	3.62	20,7	300	83	1200	300	11.81	2,58	1.73	40-61	100
EHJ002-64-	MXX	100	102	101,6	4.00	120	4.72	20,7	300	83	1200	450	17.72	3,76	2.53	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHJ003

Aircraft Refueling Suction and Discharge – Type E

EN1361 Type E

Construction:

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with a dual steel helical wire for smaller sizes and dual helical wire and dual antistatic copper wire

Cover: Synthetic rubber

Operating Temperature:

-30°C to +65°C
(-22°F to +149°F)

Application:

- For ground refueling and fuel discharge of aircraft

For use with petroleum products with aromatic content up to 30%

Markets:

- Aircraft refueling

Type of Couplings:

- API couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHJ003-12-	MXX	100	19	19,0	0.75	31	1.22	20,7	300	83	1200	113	4.45	94,8	28	0,69	0.46	40-61	100
EHJ003-16-	MXX	100	25	25,4	1.00	39	1.54	20,7	300	83	1200	150	5.91	94,8	28	0,97	0.65	40-61	100
EHJ003-20-	MXX	100	31	31,8	1.25	46	1.81	20,7	300	83	1200	190	7.48	94,8	28	1,22	0.82	40-61	100
EHJ003-24-	MXX	100	38	38,1	1.50	53	2.09	20,7	300	83	1200	225	8.86	94,8	28	1,59	1.07	40-61	100
EHJ003-32-	MXX	100	51	50,8	2.00	67	2.64	20,7	300	83	1200	275	10.83	94,8	28	2,32	1.56	40-61	100
EHJ003-40-	MXX	100	60	63,5	2.50	81	3.19	20,7	300	83	1200	300	11.81	94,8	28	2,86	1.92	40-61	100
EHJ003-48-	MXX	100	80	76,2	3.00	95	3.74	20,7	300	83	1200	300	11.81	94,8	28	3,70	2.49	40-61	100
EHJ003-64-	MXX	100	102	101,6	4.00	123	4.84	20,7	300	83	1200	450	17.72	94,8	28	5,17	3.48	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP506 & EHP507 Light Duty Dock Oil Suction and Discharge

EN1765 Type S

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile dual steel helical wire and antistatic copper wire

Cover: Synthetic rubber

Operating Temperature:

-30°C to +82°C
(-50°F to +180°F)

Application:

- For suction & discharge of petroleum products from tankers and barges bunkering services

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Tankers
- Barges

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP506-64-	MXX	100	102	101,6	4.00	128	5.04	10,5	150	41	600	500	19.68	94,8	28	6,82	4.58	40-61	100
EHP506-80-	MXX	100	130	127,0	5.00	156	6.14	10,5	150	41	600	650	25.59	94,8	28	9,40	6.32	40-61	100
EHP506-96-	MXX	100	150	152,4	6.00	185	7.28	10,5	150	41	600	750	29.53	94,8	28	13,15	8.84	40-61	100
EHP506-128-	M20	20	200	203,2	8.00	239	9.41	10,5	150	41	600	950	37.40	94,8	28	18,49	12.43	20	20
EHP506-160-	M10	20	250	254,0	10.00	293	11.53	10,5	150	41	600	1200	47.24	94,8	28	25,52	17.16	10	20
EHP507-64-	MXX	100	102	101,6	4.00	130	5.12	15,5	225	62	900	500	19.68	94,8	28	6,98	4.69	40-61	100
EHP507-80-	MXX	100	130	127,0	5.00	158	6.22	15,5	225	62	900	650	25.59	94,8	28	9,65	6.49	40-61	100
EHP507-96-	MXX	100	150	152,4	6.00	188	7.40	15,5	225	62	900	750	29.53	94,8	28	14,39	9.67	40-61	100
EHP507-128-	M20	20	200	203,2	8.00	242	9.53	15,5	225	62	900	950	37.40	94,8	28	20,17	13.56	20	20
EHP507-160-	M10	20	250	254,0	10.00	296	11.65	15,5	225	62	900	1200	47.24	94,8	28	27,49	18.48	10	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP511 Petroleum Dispensing

Construction:

Tube: Nitrile

Reinforcement: 1-wire braid

Cover: Synthetic rubber

Operating Temperature:

-40°C to +85°C
(-40°F to +185°F)

Application:

- For gasoline dispensing

Markets:

- Petroleum industry
- Oil and gas exploration
- Ship building

Type of Couplings:

- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in
EHP511-08BK-	>M6	100	12	12,7	0.50	21,5	0.85	89	3.50	0,47	0.32	>6	100
EHP511-10BK-	>M6	100	16	15,9	0.62	25,4	1.00	89	3.50	0,58	0.39	>6	100
EHP511-12BK-	>M6	100	19	19,0	0.75	28,6	1.13	89	3.50	0,66	0.44	>6	100
EHP511-16BK-	>M6	100	25	25,4	1.00	34,9	1.37	89	3.50	0,82	0.55	>6	100

Petroleum Service

Dispensing

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP510 Petroleum Dispensing

Construction:

Tube: Nitrile

Reinforcement: 1-wire braid

Cover: Synthetic rubber

Operating Temperature:

-40°C
(-40°F)

Application:

- For gasoline dispensing

Markets:

- Petroleum industry
- Oil and gas exploration
- Ship building

Type of Couplings:

- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

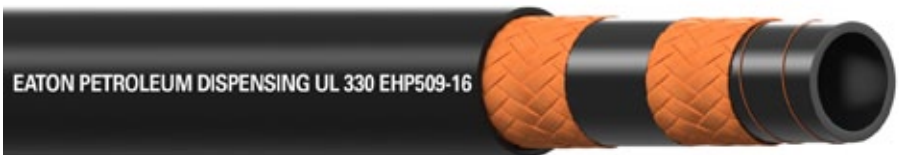
# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP510-08BK-	>M6	100	12	12,7	0.50	21,5	0.85	16	232	48	696	50	1.97	0,39	0.26	>6	100
EHP510-10BK-	>M6	100	16	15,9	0.62	26,0	1.02	16	232	48	696	65	2.56	0,53	0.36	>6	100
EHP510-12BK-	>M6	100	19	19,0	0.75	29,0	1.14	16	232	48	696	85	3.35	0,60	0.40	>6	100
EHP510-16BK-	>M6	100	25	25,4	1.00	36,5	1.43	16	232	48	696	130	5.12	0,86	0.58	>6	100

* Product also available BU-Blue, GN-Green, and RD-Red

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP509 Petroleum Dispensing



Construction:

Tube: Nitrile

Reinforcement: High-tensile synthetic textile and antistatic copper wire

Cover: Synthetic rubber

Operating Temperature:

-54°C to + 85° C
-65° F to + 185°F

Application:

- For gasoline dispensing

Markets:

- Petroleum industry
- Oil and gas exploration
- Ship building

Type of Couplings:

- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	mm	in	kg/m	lbs/ft	mtr	ft
EHP509-08BK-	>M6	100	12	12,7	0.50	21,5	0.85	89	3.50	0,30	0.20	>6	100
EHP509-10BK-	>M6	100	16	15,9	0.62	25,4	1.00	89	3.50	0,43	0.29	>6	100
EHP509-12BK-	>M6	100	19	19,0	0.75	28,6	1.13	89	3.50	0,48	0.32	>6	100
EHP509-16BK-	>M6	100	25	25,4	1.00	34,9	1.37	89	3.50	0,69	0.46	>6	100

Petroleum Service

Dispensing

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP508 Petroleum Dispensing

Construction:

Tube: Nitrile

Reinforcement: High-tensile synthetic textile and antistatic copper wire

Cover: Synthetic rubber

Operating Temperature:

-40°C
(-40°F)

Application:

- For gasoline dispensing

Markets:

- Petroleum industry
- Oil and gas exploration
- Ship building

Type of Couplings:

- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP508-08BK-	>M6	100	12	12,7	0.50	21,5	0.85	16	232	48	696	50	1.97	0,30	0.20	>6	100
EHP508-10BK-	>M6	100	16	15,9	0.62	26,0	1.02	16	232	48	696	70	2.76	0,43	0.29	>6	100
EHP508-12BK-	>M6	100	19	19,0	0.75	29,0	1.14	16	232	48	696	95	3.74	0,48	0.32	>6	100
EHP508-16BK-	>M6	100	25	25,4	1.00	36,4	1.43	16	232	48	696	130	5.12	0,69	0.46	>6	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1193 ROYALFLEX Petroleum

Construction:

Tube: Nitrile blend

Reinforcement: 100% polyester and helical wire

Cover: Nitrile blend

Operating Temperature:

-29°C to +82°C
(-20°F to +180°F)

Application:

- For transfer of petroleum products

Markets:

- Petroleum industry
- Oil exploration
- Tank trucks
- Waste hauling
- Batch plants
- Refineries

Type of Couplings:

- Male NPT
- Cam locks

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H119324		50	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	100	30	1,19	0.80		50
H119324-		100	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	100	30	1,19	0.80		100
H119324-		120	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	100	30	1,19	0.80		120
H119332		50	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	100	30	1,64	1.10		50
H119332-		100	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	100	30	1,64	1.10		100
H119332-		120	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	100	30	1,64	1.10		120
H119340-		100	60	63,5	2.50	76,2	3.00	21	300	62	900	254,0	10.00	100	30	1,99	1.34		100
H119340-		120	60	63,5	2.50	76,2	3.00	21	300	62	900	254,0	10.00	100	30	1,99	1.34		120
H119348		50	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	100	30	2,98	2.00		50
H119348-		100	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	100	30	2,98	2.00		100
H119348-		120	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	100	30	2,98	2.00		120
H119364		50	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	100	30	4,05	2.72		50
H119364-		100	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	100	30	4,05	2.72		100
H119364-		120	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	100	30	4,05	2.72		120

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP522 Heavy Duty Petroleum/Oil Suction and Discharge

Construction:

Tube: Nitrile

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Synthetic rubber (RMA Class A)

Operating Temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For high-pressure petroleum suction and discharge

For use with petroleum products with aromatic content up to 50%

Markets:

- Tank truck
- Paper/pulp industry
- Oil exploration
- Ship building
- Batch plants

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP522-16-	MXX	100	25	25,4	1.00	36,8	1.45	20,7	300	62	900	85	3.35	85	25	0,79	0.53	40-61	100
EHP522-20-	MXX	100	31	31,8	1.25	44,0	1.73	20,7	300	62	900	100	3.94	85	25	1,04	0.70	40-61	100
EHP522-24-	MXX	100	38	38,1	1.50	52,2	2.06	20,7	300	62	900	125	4.98	85	25	1,53	1.03	40-61	100
EHP522-28-	MXX	100	45	44,5	1.75	59,3	2.33	20,7	300	62	900	175	6.89	85	25	1,78	1.20	40-61	100
EHP522-32-	MXX	100	51	50,8	2.00	66,8	2.63	20,7	300	62	900	200	7.87	85	25	2,25	1.51	40-61	100
EHP522-40-	MXX	100	60	63,5	2.50	79,9	3.15	20,7	300	62	900	250	9.84	85	25	2,82	1.90	40-61	100
EHP522-48-	MXX	100	80	76,2	3.00	92,0	3.62	20,7	300	62	900	300	11.81	85	25	3,25	2.19	40-61	100
EHP522-56-	MXX	100	90	90,0	3.50	109,2	4.30	20,7	300	62	900	340	13.39	85	25	4,53	3.04	40-61	100
EHP522-64-	MXX	100	102	101,6	4.00	120,0	4.72	20,7	300	62	900	440	17.32	85	25	4,88	3.28	40-61	100
EHP522-80-	MXX	100	130	127,0	5.00	149,8	5.90	20,7	300	62	900	580	22.83	80	24	7,32	4.92	40-61	100
EHP522-96-	MXX	100	150	152,4	6.00	177,2	6.98	20,7	300	62	900	700	27.56	80	24	9,92	6.66	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP518

Petroleum/Oil Suction & Discharge

EN12115 Type SD

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile steel helical wires and dual antistatic copper wires

Cover: Synthetic rubber

Operating Temperature:

-20°C to +70°C
(-4°F to +158°F)

Application:

- For suction and discharge of petroleum

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP518-12-	MXX	100	19	19,0	0.75	31	1.22	17,2	250	70	1000	125	4.92	94,8	28	0,67	0.45	40-61	100
EHP518-16-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	70	1000	150	5.91	94,8	28	0,84	0.56	40-61	100
EHP518-20-	MXX	100	31	31,8	1.25	44	1.73	17,2	250	70	1000	175	6.89	94,8	28	1,04	0.70	40-61	100
EHP518-24-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	70	1000	225	8.86	94,8	28	1,41	0.95	40-61	100
EHP518-32-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	70	1000	275	10.83	94,8	28	2,21	1.49	40-61	100
EHP518-40-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	70	1000	300	11.81	94,8	28	2,74	1.84	40-61	100
EHP518-48-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	70	1000	350	13.78	80,0	24	3,30	2.22	40-61	100
EHP518-64-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	70	1000	450	17.72	80,0	24	4,54	3.05	40-61	100

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP516

Petroleum/Oil Suction and Discharge

EN1761 Type SD

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wires

Cover: Synthetic rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP516-12-	MXX	100	19	19,0	0.75	31	1.22	17,2	250	52	750	75	2.95	80,0	24	0,67	0.45	40-61	100
EHP516-16-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	52	750	100	3.94	80,0	24	0,81	0.54	40-61	100
EHP516-20-	MXX	100	31	31,8	1.25	44	1.73	17,2	250	52	750	120	4.72	80,0	24	1,04	0.70	40-61	100
EHP516-24-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	52	750	140	5.51	80,0	24	1,38	0.93	40-61	100
EHP516-32-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	52	750	190	7.48	80,0	24	2,22	1.49	40-61	100
EHP516-40-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	52	750	250	9.84	80,0	24	2,63	1.77	40-61	100
EHP516-48-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	52	750	300	11.81	80,0	24	3,38	2.27	40-61	100
EHP516-64-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	52	750	425	16.73	80,0	24	4,42	2.97	40-61	100
EHP516-80-	MXX	100	130	127,0	5.00	145	5.71	17,2	250	52	750	550	21.65	80,0	24	5,80	3.90	40-61	100
EHP516-96-	MXX	100	150	152,4	6.00	172	6.77	17,2	250	52	750	640	25.20	80,0	24	8,15	5.48	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP514

Petroleum/Oil Suction and Discharge

EN1360 Type 2

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wires

Cover: Channeled synthetic rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP514-12-	MXX	100	19	19,0	0.75	30	1.18	17,2	250	52	750	100	3.94	94,8	28	0,63	0.42	40-61	100
EHP514-16-	MXX	100	25	25,4	1.00	38	1.50	17,2	250	52	750	150	5.91	94,8	28	0,93	0.63	40-61	100
EHP514-20-	MXX	100	31	31,8	1.25	45	1.77	17,2	250	52	750	175	6.89	94,8	28	1,18	0.79	40-61	100
EHP514-24-	MXX	100	38	38,1	1.50	51	2.01	17,2	250	52	750	225	8.86	94,8	28	1,45	0.97	40-61	100
EHP514-25-	MXX	100	39	39,6	1.56	54	2.13	17,2	250	52	750	225	8.86	94,8	28	1,66	1.12	40-61	100

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0327 JAGUAR™ Heavy Duty Petroleum Suction and Discharge

Construction:

Tube: Vinyl nitrile

Reinforcement: 2-ply fiber with helical wire

Cover: CR rubber

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction & discharge of petroleum products

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H032732-		100	51	50,8	2.00	65,1	2.56	17,2	250	70	1000	127,0	5.00	94,8	28	1,84	1.24		100
H032740-		100	60	63,5	2.50	77,0	3.03	17,2	250	70	1000	190,5	7.50	94,8	28	2,39	1.61		100
H032748-		100	80	76,2	3.00	90,5	3.56	17,2	250	70	1000	203,2	8.00	94,8	28	2,98	2.00		100
H032764-		100	102	101,6	4.00	115,9	4.56	17,2	250	70	1000	317,5	12.50	94,8	28	4,34	2.92		100
H032796-		100	150	152,4	6.00	184,2	7.24	17,2	250	70	1000	762,0	30.00	80,0	24	10,73	7.21		100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP502 High Pressure Petroleum/Oil Suction & Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile helical wire and anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For suction & discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP502-16-	MXX	100	25	25,4	1.00	37,0	1.38	17,2	250	52	750	110	4.33	94,8	28	0,80	0.39	40-61	100
EHP502-20-	MXX	100	31	31,8	1.25	44,0	1.73	17,2	250	52	750	145	5.71	94,8	28	1,04	0.58	40-61	100
EHP502-24-	MXX	100	38	38,1	1.50	51,0	2.00	17,2	250	52	750	180	7.09	94,8	28	1,37	0.92	40-61	100
EHP502-28-	MXX	100	45	44,5	1.75	58,0	2.28	17,2	250	52	750	220	8.66	94,8	28	1,62	1.09	40-61	100
EHP502-32-	MXX	100	51	50,8	2.00	65,0	2.56	17,2	250	52	750	265	10.43	94,8	28	1,89	1.27	40-61	100
EHP502-40-	MXX	100	60	63,5	2.50	79,0	3.11	17,2	250	52	750	330	13.00	94,8	28	2,48	1.67	40-61	100
EHP502-48-	MXX	100	80	76,2	3.00	92,0	3.62	17,2	250	52	750	400	15.75	94,8	28	3,26	2.19	40-61	100
EHP502-56-	MXX	100	90	90,0	3.50	107,0	4.21	17,2	250	52	750	475	18.70	94,8	28	4,03	2.71	40-61	100
EHP502-64-	MXX	100	102	101,6	4.00	118,0	4.65	17,2	250	52	750	535	21.06	94,8	28	4,31	2.90	40-61	100
EHP502-80-	MXX	100	130	127,0	5.00	148,0	5.83	17,2	250	52	750	685	27.00	80,0	24	7,01	4.71	40-61	100
EHP502-96-	MXX	100	150	152,4	6.00	175,5	6.91	17,2	250	52	750	840	33.02	80,0	24	9,63	6.47	40-61	100

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP521 PUMA™ Petroleum Cold Temperature Suction & Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile with dual helical wires and an antistatic copper wire

Cover: Flat corrugated NBR/EPDM

Operating Temperature:

-55°C to +80°C
(-67°F to +176°F)

Application:

- For suction & discharge of petroleum products

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP521-48-	MXX	100	80	76,2	3.00	92,8	3.65	10,5	150	41	600	250	9.84	94,8	28	2.85	1.92	40-61	100
EHP521-64-	MXX	100	102	101,6	4.00	118,4	4.66	10,5	150	41	600	350	13.78	94,8	28	4.04	2.71	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP519 PUMA™ Petroleum Flat Corrugated Suction and Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wire

Cover: Flat corrugated nitrile rubber

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of petroleum

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling
- Well service

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP519-12-	MXX	100	19	19,1	0.75	28,4	1.12	10,5	150	41	600	55	2.17	94,8	28	0,47	0.31	40-61	100
EHP519-16-	MXX	100	25	25,4	1.00	35,2	1.39	10,5	150	41	600	75	2.95	94,8	28	0,62	0.41	40-61	100
EHP519-20-	MXX	100	31	31,8	1.25	43,2	1.70	10,5	150	41	600	90	3.54	94,8	28	0,94	0.63	40-61	100
EHP519-24-	MXX	100	38	38,1	1.50	49,2	1.94	10,5	150	41	600	115	4.53	94,8	28	1.10	0.74	40-61	100
EHP519-32-	MXX	100	51	50,8	2.00	62,8	2.47	10,5	150	41	600	145	5.71	94,8	28	1.51	1.02	40-61	100
EHP519-40-	MXX	100	60	63,5	2.50	78,3	3.08	10,5	150	41	600	195	7.68	94,8	28	2.35	1.58	40-61	100
EHP519-48-	MXX	100	80	76,2	3.00	91,4	3.60	10,5	150	41	600	240	9.45	94,8	28	2.87	1.93	40-61	100
EHP519-64-	MXX	100	102	101,6	4.00	116,8	4.60	10,5	150	41	600	340	13.39	94,8	28	4.05	2.72	40-61	100
EHP519-96-	MXX	100	150	152,4	6.00	174,0	6.85	10,5	150	41	600	650	25.59	94,8	28	9.54	6.41	40-61	100
EHP519-128-	MXX	20	200	203,2	8.00	226,6	8.92	10,5	150	41	600	900	35.43	80,0	24	13.00	8.74	20-40	20,25

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0363 PUMA™ Petroleum

Construction:

Tube: Vinyl nitrile blend

Reinforcement: Fiber 2- or 4-ply with dual helical wires and anti-static copper wire

Cover: Vinyl nitrile blend

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of petroleum products

Markets:

- Tank truck
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Batch plants

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H036312BK-		100	19	19,1	0.75	28,8	1.13	10,5	150	42	600	110	4.33	94,8	28	0,59	0.40		100
H036316BK-		100	25	25,4	1.00	38,0	1.50	10,5	150	42	600	152	5.98	94,8	28	0,91	0.61		100
H036320BK-		100	31	31,8	1.25	45,0	1.77	10,5	150	42	600	190	7,48	94,8	28	1,09	0.73		100
H036324BK-		100	38	38,1	1.50	52,5	2.07	10,5	150	42	600	200	7.87	94,8	28	1,44	0.97		100
H036332BK-		100	51	50,8	2.00	65,0	2.56	10,5	150	42	600	255	10.04	94,8	28	2,01	1.35		100
H036340BK-		100	60	63,5	2.50	77,0	3.03	10,5	150	42	600	315	12.40	94,8	28	2,30	1.55		100
H036348BK-		100	80	76,2	3.00	90,5	3.56	10,5	150	42	600	380	14.96	94,8	28	2,93	1.97		100
H036364BK-		100	102	101,6	4.00	116,3	4.58	10,5	150	42	600	510	20.08	94,8	28	3,78	2.54		100
H036396BK-		20	150	152,4	6.00	174,0	6.85	10,5	150	42	600	780	30.71	94,8	28	8,45	5.68		20
H036396BK-		25	150	152,4	6.00	174,0	6.85	10,5	150	42	600	780	90.71	94,8	28	8,45	5.68		25
H03638ABK-		20	200	203,2	8.00	226,8	8.93	10,5	150	42	600	1100	43.31	80,0	24	13,19	8.86		20
H03638ABK-		25	200	203,2	8.00	226,8	8.93	10,5	150	42	600	1100	43.31	80,0	24	13,19	8.86		25

***50 ft. lengths available on select items

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0369 BOBCAT™ Corrugated Light Duty

Construction:

Tube: Vinyl nitrile

Reinforcement: 2-ply fiber with dual helical wires

Cover: Corrugated vinyl nitrile blend

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For transfer and blending of petroleum products
- Transfer of crude oil, salt water, slurries and non-potable water

Markets:

- Petroleum industry
- Oil and gas exploration
- Tank trucks
- Waste hauling
- Batch plants
- Gasoline drop

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H036932RD		50	51	50,8	2.00	63,5	2.50	10,5	150	42,0	600	76,2	3.00	1,18	0.79		50
H036932RD-		100	51	50,8	2.00	63,5	2.50	10,5	150	42,0	600	76,2	3.00	1,18	0.79		100
H036948RD-		100	80	76,2	3.00	88,9	3.50	10,5	150	42,0	600	127,0	5.00	1,86	1.25		100
H036964RD		50	102	101,6	4.00	114,3	4.50	10,5	150	42,0	600	177,8	7.00	2,38	1.60		50
H036964RD-		100	102	101,6	4.00	114,3	4.50	7,0	100	28,0	400	177,8	7.00	2,38	1.60		100

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP505 Channeled Petroleum/Oil Suction and Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wire

Cover: Channeled synthetic rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of petroleum

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP505-12-	MXX	100	19	19,0	0.75	29,0	1.14	10,5	150	31	450	50	1.97	94,8	28	0,49	0.33	40-61	100
EHP505-16-	MXX	100	25	25,4	1.00	35,0	1.38	10,5	150	31	450	70	2.76	94,8	28	0,60	0.40	40-61	100
EHP505-20-	MXX	100	31	31,8	1.25	42,0	1.65	10,5	150	31	450	90	3.54	94,8	28	0,81	0.54	40-61	100
EHP505-24-	MXX	100	38	38,1	1.50	48,0	1.89	10,5	150	31	450	105	4.13	94,8	28	0,95	0.64	40-61	100
EHP505-32-	MXX	100	51	50,8	2.00	63,0	2.48	10,5	150	31	450	150	5.91	94,8	28	1,58	1.06	40-61	100
EHP505-40-	MXX	100	60	63,5	2.50	74,0	2.91	10,5	150	31	450	185	7.28	94,8	28	1,79	1.20	40-61	100
EHP505-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	220	8.66	94,8	28	2,57	1.73	40-61	100
EHP505-64-	MXX	100	102	101,6	4.00	117,5	4.63	10,5	150	31	450	300	11.81	94,8	28	4,23	2.84	40-61	100
EHP505-80-	MXX	100	130	127,0	5.00	146,0	5.75	10,5	150	31	450	400	15.75	80,0	24	6,02	4.05	40-61	100
EHP505-96-	MXX	100	150	152,4	6.00	172	6.77	10,5	150	31	450	550	21.65	80,0	24	7,06	4.75	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP503 Flat Corrugated Tank Truck

Construction:

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with a single steel helical wire and anti-static copper wire

Cover: Flat corrugated synthetic blend

Operating Temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For suction and discharge of petroleum products

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP503-12BK-	MXX	100	19	19,1	0.75	29,0	1.14	10,5	150	31	450	65	2.17	94,8	28	0,46	0.31	40-61	100
EHP503-16BK-	MXX	100	25	25,4	1.00	36,0	1.42	10,5	150	31	450	85	3.35	94,8	28	0,61	0.41	40-61	100
EHP503-20BK-	MXX	100	31	31,8	1.25	43,0	1.69	10,5	150	31	450	110	4.33	94,8	28	0,85	0.57	40-61	100
EHP503-24BK-	MXX	100	38	38,1	1.50	49,0	1.93	10,5	150	31	450	130	5.12	94,8	28	0,99	0.67	40-61	100
EHP503-32BK-	MXX	100	51	50,8	2.00	63,0	2.48	10,5	150	31	450	175	6.89	94,8	28	1,50	1.01	40-61	100
EHP503-40BK-	MXX	100	60	63,5	2.50	77,0	3.03	10,5	150	31	450	210	8.27	94,8	28	2,10	1.41	40-61	100
EHP503-48BK-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	250	9.84	94,8	28	2,60	1.75	40-61	100
EHP503-64BK-	MXX	100	102	101,6	4.00	117,0	4.61	10,5	150	31	450	360	14.17	94,8	28	3,82	2.57	40-61	100
EHP503-80BK-	MXX	100	130	127,0	5.00	145,0	5.71	10,5	150	31	450	480	18.90	80,0	24	6,19	4.16	40-61	100
EHP503-96BK-	MXX	100	150	152,4	6.00	172,0	6.77	10,5	150	31	450	600	23.62	80,0	24	8,62	5.79	40-61	100
EHP503-128BK-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31	450	900	35.43	80,0	24	12,43	8.35	20	20

*Product available in red also use RD as a color indicator when ordering

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP512 Corrugated Petroleum/Oil Suction & Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile helical wire and anti-static copper wire

Cover: Corrugated synthetic rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For suction and discharge of petroleum

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP512-12BK-	MXX	100	19	19,0	0.75	29	1.14	10,5	150	31	450	75	2.95	94,8	28	0,57	0.38	40-61	100
EHP512-16BK-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	31	450	100	3.94	94,8	28	0,68	0.46	40-61	100
EHP512-20BK-	MXX	100	31	31,8	1.25	42	1.65	10,5	150	31	450	120	4.72	94,8	28	0,83	0.56	40-61	100
EHP512-24BK-	MXX	100	38	38,1	1.50	48	1.89	10,5	150	31	450	140	5.51	94,8	28	0,97	0.65	40-61	100
EHP512-32BK-	MXX	100	51	50,8	2.00	63	2.48	10,5	150	31	450	190	7.48	94,8	28	1,70	1.14	40-61	100
EHP512-40BK-	MXX	100	60	63,5	2.50	74	2.91	10,5	150	31	450	250	9.84	94,8	28	1,98	1.33	40-61	100
EHP512-48BK-	MXX	100	80	76,2	3.00	89	3.50	10,5	150	31	450	300	11.81	94,8	28	2,67	1.79	40-61	100
EHP512-64BK-	MXX	100	102	101,6	4.00	116	4.57	10,5	150	31	450	425	16.73	94,8	28	3,86	2.59	40-61	100
EHP512-80BK-	MXX	100	130	127,0	5.00	145	5.71	10,5	150	31	450	550	21.65	80,0	24	6,04	4.06	40-61	100
EHP512-96BK-	MXX	100	150	152,4	6.00	172	6.77	10,5	150	31	450	640	25.20	80,0	24	7,57	5.09	40-61	100

*Product also available in RD-Red

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP500 Petroleum/Oil Suction and Discharge

Construction:

Tube: Synthetic nitrile blend

Reinforcement: High-tensile synthetic textile with a single steel helical wire and anti-static copper wire

Cover: Nitrile/PVC blend

Operating Temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For suction and discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling
- Batch plants

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHP500-12BK-	MXX	200	19	19,1	0.75	30,0	1.18	10,5	150	31	450	70	2.76	94,8	28	0,59	0.40	40-61	200
EHP500-16BK-	MXX	200	25	25,4	1.00	36,0	1.44	10,5	150	31	450	75	2.95	94,8	28	0,71	0.48	40-61	200
EHP500-20BK-	MXX	200	31	31,8	1.25	43,0	1.69	10,5	150	31	450	85	3.35	94,8	28	0,91	0.61	40-61	200
EHP500-24BK-	MXX	200	38	38,1	1.50	49,0	1.93	10,5	150	31	450	110	4.33	94,8	28	1,17	0.79	40-61	200
EHP500-28BK-	MXX	200	45	44,5	1.78	56,0	2.20	10,5	150	31	450	150	5.91	94,8	28	1,36	0.91	40-61	200
EHP500-32BK-	MXX	200	51	50,8	2.00	63,0	2.48	10,5	150	31	450	170	6.69	94,8	28	1,65	1.11	40-61	200
EHP500-40BK-	MXX	200	60	63,5	2.50	77,0	3.03	10,5	150	31	450	210	8.27	94,8	28	2,13	1.43	40-61	200
EHP500-48BK-	MXX	200	80	76,2	3.00	89,0	3.50	10,5	150	31	450	230	9.06	94,8	28	2,81	1.89	40-61	200
EHP500-56BK-	MXX	200	90	88,9	3.50	105,0	4.13	10,5	150	31	450	300	11.81	94,8	28	3,61	2.43	40-61	200
EHP500-64BK-	MXX	200	102	101,6	4.00	117,0	4.61	10,5	150	31	450	400	15.75	94,8	28	4,06	2.73	40-61	200
EHP500-80BK-	MXX	100	130	127,0	5.00	145,0	5.70	10,5	150	31	450	550	21.65	94,8	28	6,21	4.17	40-61	200
EHP500-96BK-	MXX	100	150	152,4	6.00	170,0	6.69	10,5	150	31	450	675	26.57	94,8	28	7,87	5.29	40-61	200
EHP500-128BK-	MXX	100	200	203,2	8.00	228,0	8.98	10,5	150	31	450	1200	47.24	80,0	24	14,42	9.69	40-61	100

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0436 Light Duty Petroleum Suction and Discharge

Construction:

Tube: Vinyl nitrile

Reinforcement: 2-ply fiber with dual helical wire

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +71°C
(-40°F to +160°F)

Application:

- For suction and discharge of petroleum products

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H043624-		100	38	38,1	1.50	50,8	2.00	7	100	28	400	127,0	5.00	94,8	28	1,58	1.06		100
H043632-		100	51	50,8	2.00	63,5	2.50	7	100	28	400	152,4	6.00	94,8	28	1,90	1.28		100
H043648-		100	80	76,2	3.00	90,5	3.56	7	100	28	400	304,8	12.00	94,8	28	2,86	1.92		100
H043664-		100	102	101,6	4.00	115,9	4.56	7	100	28	400	355,6	14.00	94,8	28	3,97	2.67		100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP517

Petroleum/Oil Discharge

EN 12115 Type D

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile and dual antistatic copper wire

Cover: Synthetic rubber

Operating Temperature:

-20°C to +70°C
(-4°F to +158°F)

Application:

- For discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP517-12-	MXX	100	19	19,0	0,75	31	1.22	17,2	250	52	750	125	4.92	0,63	0.42	40-61	100
EHP517-16-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	52	750	150	5.91	0,78	0.52	40-61	100
EHP517-20-	MXX	100	31	32,0	1.25	44	1.73	17,2	250	52	750	175	6.89	0,97	0.65	40-61	100
EHP517-24-	MXX	100	38	38,0	1.50	51	2.01	17,2	250	52	750	225	8.86	1,22	0.82	40-61	100
EHP517-32-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	52	750	275	10.83	2,01	1.35	40-61	100
EHP517-40-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	52	750	300	11.81	2,31	1.55	40-61	100
EHP517-48-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	52	750	350	13.78	2,78	1.87	40-61	100
EHP517-64-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	52	750	450	17.72	3,82	2.57	40-61	100

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP515

Petroleum/Oil Discharge

EN1761 Type D

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile and dual antistatic copper wire

Cover: Synthetic rubber

Operating Temperature:

-20°C to +70°C
(-4°F to +158°F)

Application:

- For discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP515-12-	MXX	100	19	19,0	0,75	31	1.22	17,2	250	52	750	125	4.92	0,63	0.42	40-61	100
EHP515-16-	MXX	100	25	25,4	1.00	37	1.46	17,2	250	52	750	150	5.91	0,73	0.49	40-61	100
EHP515-20-	MXX	100	31	32,0	1.25	44	1.73	17,2	250	52	750	175	6.89	0,94	0.63	40-61	100
EHP515-24-	MXX	100	38	38,0	1.50	51	2.01	17,2	250	52	750	225	8.86	1,19	0.80	40-61	100
EHP515-32-	MXX	100	51	50,8	2.00	67	2.64	17,2	250	52	750	275	10.83	1,96	1.32	40-61	100
EHP515-40-	MXX	100	60	63,5	2.50	79	3.11	17,2	250	52	750	300	11.81	2,24	1.51	40-61	100
EHP515-48-	MXX	100	80	76,2	3.00	92	3.62	17,2	250	52	750	350	13.78	2,73	1.84	40-61	100
EHP515-64-	MXX	100	102	101,6	4.00	118	4.65	17,2	250	52	750	450	17.72	3,71	2.49	40-61	100
EHP515-80-	MXX	100	130	127,0	5.00	145	5.71	17,2	250	52	750	635	25.00	4,82	3.24	40-61	100
EHP515-96-	MXX	100	150	152,4	6.00	172	6.77	17,2	250	52	750	750	29.53	6,14	4.13	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP513

Petroleum/Oil Discharge

EN 1360 Type 1

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile and dual anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP513-08-	MXX	100	12	12,7	0.50	21,5	0.85	17,2	250	52	750	60	2.36	0,34	0.23	40-61	100
EHP513-10-	MXX	100	16	15,9	0.62	26,0	1.02	17,2	250	52	750	80	3.15	0,48	0.32	40-61	100
EHP513-12-	MXX	100	19	19,0	0.75	29,0	1.14	17,2	250	52	750	100	3.94	0,53	0.36	40-61	100
EHP513-16-	MXX	100	25	25,4	1.00	36,0	1.42	17,2	250	52	750	150	5.91	0,74	0.50	40-61	100
EHP513-20-	MXX	100	31	32,0	1.25	45,0	1.77	17,2	250	52	750	175	6.89	1,10	0.74	40-61	100
EHP513-24-	MXX	100	38	38,0	1.50	51,0	2.01	17,2	250	52	750	225	8.86	1,24	0.83	40-61	100
EHP513-25-	MXX	100	40	40,0	1.57	53,0	2.09	17,2	250	52	750	225	8.85	1,29	0.87	40-61	100

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP504 High Pressure Petroleum Discharge

Construction:

Tube: Nitrile

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP504-16-	MXX	100	25	25,4	1.00	36	1.42	17,2	250	52	750	254	10.00	0,65	0.44	40-61	100
EHP504-20-	MXX	100	31	32,0	1.25	43	1.69	17,2	250	52	750	320	12.60	0,86	0.58	40-61	100
EHP504-24-	MXX	100	38	38,0	1.50	49	1.93	17,2	250	52	750	380	14.96	0,97	0.65	40-61	100
EHP504-28-	MXX	100	45	44,5	1.75	56	2.20	17,2	250	52	750	445	17.52	1,23	0.83	40-61	100
EHP504-32-	MXX	100	51	50,8	2.00	63	2.48	17,2	250	52	750	508	20.00	1,39	0.93	40-61	100
EHP504-40-	MXX	100	60	63,5	2.50	76	2.99	17,2	250	52	750	635	25.00	1,79	1.20	40-61	100
EHP504-48-	MXX	100	80	76,2	3.00	90	3.54	17,2	250	52	750	762	30.00	2,33	1.57	40-61	100
EHP504-56-	MXX	100	90	90,0	3.50	105	4.13	17,2	250	52	750	900	35.43	2,96	1.99	40-61	100
EHP504-64-	MXX	100	102	101,6	4.00	117	4.61	17,2	250	52	750	1016	40.00	3,35	2.25	40-61	100
EHP504-80-	MXX	100	130	127,0	5.00	144	5.67	17,2	250	52	750	1270	50.00	4,55	3.06	40-61	100
EHP504-96-	MXX	100	150	152,4	6.00	171	6.73	17,2	250	52	750	1524	60.00	5,96	4.01	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHP501 Petroleum/Oil Discharge

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile and dual anti-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-30°C to +70°C
(-22°F to +158°F)

Application:

- For discharge of petroleum products

For use with petroleum products with aromatic content up to 50%

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHP501-16-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	31	450	0,57	0.38	40-61	100
EHP501-20-	MXX	100	31	32,0	1.25	42	1.65	10,5	150	31	450	0,72	0.48	40-61	100
EHP501-24-	MXX	100	38	38,0	1.50	48	1.89	10,5	150	31	450	0,86	0.58	40-61	100
EHP501-28-	MXX	100	45	44,5	1.75	55	2.17	10,5	150	31	450	1,06	0.71	40-61	100
EHP501-32-	MXX	100	51	50,8	2.00	62	2.44	10,5	150	31	450	1,28	0.86	40-61	100
EHP501-40-	MXX	100	60	63,5	2.50	75	2.95	10,5	150	31	450	1,63	1.10	40-61	100
EHP501-48-	MXX	100	80	76,2	3.00	88	3.46	10,5	150	31	450	1,98	1.33	40-61	100
EHP501-56-	MXX	100	90	90,0	3.50	104	4.09	10,5	150	31	450	2,72	1.53	40-61	100
EHP501-64-	MXX	100	102	101,6	4.00	116	4.57	10,5	150	31	450	3,19	2.14	40-61	100
EHP501-80-	MXX	100	130	127,0	5.00	143	5.63	10,5	150	31	450	4,46	3.00	40-61	100
EHP501-96-	MXX	100	150	152,4	6.00	168	6.61	10,5	150	31	450	5,25	3.53	40-61	100

Petroleum Service

Transfer

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H901 Boston Bull Dog Fuel Oil

Construction:

Tube: Nitrile rubber (RMA Class A)

Reinforcement: Double fiber braid

Cover: Vinyl nitrile rubber

Operating Temperature:

-40°C to +82° C
(-40°F to +180°F)

Application:

- For fuel oil transfer for residential and/or commercial delivery

Markets:

- Tank truck
- Petroleum refining
- Chemical processing
- Home delivery of fuel

Type of Couplings:

- Reattachable
- Internally expanded permanent attached

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H90120-		150	31	31,8	1.25	44,5	1.75	17,2	250	70	1000	0,93	0.62		150
H90122-		150	35	34,9	1.38	47,6	1.87	17,2	250	70	1000	0,99	0.66		150
H90124-		100	38	38,1	1.50	50,8	2.00	17,2	250	70	1000	1,11	0.75		100
H90124-		150	38	38,1	1.50	50,8	2.00	17,2	250	70	1000	1,11	0.75		150

Specialty Service

Specialty Service

Introduction and Safety Information

Remove the Guesswork from Selecting, Buying and Using Critical Application Hose

- When you're handling easily contaminated or hazardous material, it is critical to select the proper hose. The high visibility branding and color coding of Eaton removes the guesswork for hose selection.

Environmental Resistance

- The tube and cover materials of Eaton industrial hose products are designed to assure maximum hose life at a superior value to the customer. Specialty service Eaton hoses are sophisticated transfer products for demanding jobs. Exceptional aging, weathering and heat resistant properties keep the hose flexible and easy to use.

Permanent Branding for Easy Identification

- The name of the hose and the working pressure are molded into the hose cover can't rub off. This makes hose selection on the job quicker, easier and safer.

The Eaton Reputation for Quality

- Your assurance of dependable performance.

Specialty Service Hose Safety Information

Important!

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: Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained in the care and use of this hose and must at all times wear protective clothing. A hose or system failure could cause the release of a poisonous, corrosive or flammable material.

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 industrial 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.

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.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW018

Heavy Duty Fire Fighting Discharge

EN 1947 2002-1/CAT.II TYPE C-CLASS 1

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-20°C to +70°C
(-4°F to +158°F)

Application:

- For fire fighting vehicles

Markets:

- Fire fighting

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW018-08-	MXX	100	12	12,7	0.50	21,5	1.24	41	600	125	1800	120	4.72	0,32	0.22	40-61	100
EHW018-12-	MXX	100	19	19,0	0.75	32,5	1.28	41	600	125	1800	190	7.48	0,72	0.48	40-61	100
EHW018-16-	MXX	100	25	25,4	1.00	39,0	1.54	41	600	125	1800	200	7.87	0,87	0.58	40-61	100
EHW018-20-	MXX	100	31	31,8	1.25	45,0	1.77	41	600	125	1800	280	11.02	0,98	0.66	40-61	100

Specialty Service

Fire Fighting

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW017

Fire Fighting Discharge

EN 1947:2002-1/ CAT. 1 TYPE A-CLASS 1

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-20°C to +70°C
(-4°F to +158°F)

Application:

- For fire fighting vehicles

Markets:

- Fire fighting

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW017-08-	MXX	100	12	12,7	0.50	21	0.83	15,5	225	46	675	120	4.72	0,31	0.21	40-61	100
EHW017-12-	MXX	100	19	19,0	0.75	32	1.26	15,5	225	46	675	190	7.48	0,71	0.48	40-61	100
EHW017-16-	MXX	100	25	25,4	1.00	38	1.50	15,5	225	46	675	200	7.87	0,85	0.57	40-61	100
EHW017-20-	MXX	100	31	31,8	1.25	44	1.73	15,5	225	46	675	280	11.02	0,96	0.65	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW019 & EHW020 THERMORUB™ Fire Fighting Fire Reel

Construction:

Tube: Thermorub compound

Reinforcement: High-tensile synthetic textile

Cover: Thermorub compound

Operating Temperature:

-5°C to +60°C
(+23°F to +140°F)

Application:

- For fire fighting applications in fire reels

Markets:

- Fire fighting

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW019-12RD-	MXX	100	19	19,0	0.75	26	1.02	13,8	200	41	600	230	9.06	0,39	0.26	20-100	100
EHW019-16RD-	MXX	100	25	25,4	1.00	33	1.30	13,8	200	41	600	300	11.81	0,57	0.38	20-100	100
EHW019-20RD-	MXX	100	31	31,8	1.25	43	1.69	7,0	100	41	600	385	15.16	0,91	0.61	20-100	100
EHW020-08RD-	MXX	100	12	12,7	0.50	19	0.75	20,7	300	72	1050	200	7.87	0.24	0.16	20-100	100
EHW020-12RD-	MXX	100	19	19,0	0.75	26	1.02	20,7	300	72	1050	230	9.06	0,38	0.26	20-100	100
EHW020-16RD-	MXX	100	25	25,4	1.00	33	1.30	20,7	300	72	1050	300	11.81	0,56	0.38	20-100	100

* Product is also available in BK-Black

Specialty Service

Fire Fighting

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW016 Fire Extinguisher

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For fire extinguishers

Markets:

- Fire fighting

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW016-06-	M10	100	10	9,5	0.38	16	0.63	20,7	300	70	1015	0,15	0.10	10	100
EHW016-08-	M10	100	12	12,7	0.50	21	0.83	20,7	300	70	1015	0,25	0.17	10	100
EHW016-10-	M10	100	16	15,9	0.62	25	0.98	20,7	300	70	1015	0,35	0.24	10	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHG002 Carbon Dioxide Discharge

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For transfer of carbon dioxide

Markets:

- Fire fighting

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.				Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHG002M07-	M10	100		7,0	0.28	18	0.71	103	1500	400	5800	0,27	0.18	10	100
EHG002M7.5-	M10	100		7,5	0.30	18	0.71	103	1500	400	5800	0,26	0.17	10	100
EHG002M08-	M10	100		8,0	0.31	17	0.67	103	1500	400	5800	0,22	0.15	10	100

Specialty Service

Fire Fighting

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H5751 & H5752 Chemical Booster

Construction:

Tube: Synthetic rubber

Reinforcement: 2 textile braid

Cover: Synthetic rubber

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For pressure booster hose on fire fighting equipment

Markets:

- Fire fighting

Type of Couplings:

- Spanner hole type
- Barway

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H5751-*		50 or 100	19	19,0	0.75	31,8	1.25	55	800	165	2400	0,83	0.56		50, 100
H5751-*		150 or 200	19	19,0	0.75	31,8	1.25	55	800	165	2400	0,83	0.56		150, 200
H5752-*		50 or 100	25	25,4	1.00	40,5	1.59	55	800	165	2400	1,20	0.81		50, 100
H5752-*		150 or 200	25	25,4	1.00	40,5	1.59	55	800	165	2400	1,20	0.81		150, 200

*Product is available as a MTO—Make to Order

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN001 Steel Mill Carbon Blower

Construction:

Tube: NR

Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- For carbon blower applications in steel mills and foundries

Markets:

- Steel mill

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN001-20-	MXX	100	31	31,8	1.25	62	2.44	10,5	150	31	450	2,75	1.85	40-61	100
EHN001-24-	MXX	100	38	38,1	1.50	68	2.68	10,5	150	31	450	3,46	2.33	40-61	100
EHN001-32-	MXX	100	51	50,8	2.00	80	3.15	10,5	150	31	450	3,88	2.61	40-61	100
EHN001-40-	MXX	100	60	63,5	2.50	95	3.74	10,5	150	31	450	5,45	3.66	40-61	100

Specialty Service

Steel Mill

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN002

Steel Mill FG Cooling Water Transfer

(Outside Temp. up to 600° C)

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber and glass fiber

Operating Temperature:

-25°C to +75°C
(-13°F to +158°F)

Application:

- For cooling water transfer

Markets:

- Steel mill
- Foundries

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN002-06-	M61	100	10	9,5	0.38	20,0	0.79	7	100	20,7	300	0,31	0.21	61	100
EHN002-08-	M61	100	12	12,7	0.50	22,0	0.87	7	100	20,7	300	0,36	0.24	61	100
EHN002-10-	M61	100	16	15,9	0.62	25,0	0.98	7	100	20,7	300	0,44	0.30	61	100
EHN002-12-	M61	100	19	19,0	0.75	29,0	1.14	7	100	20,7	300	0,52	0.35	61	100
EHN002-16-	M61	100	25	25,4	1.00	35,0	1.38	7	100	20,7	300	0,64	0.43	61	100
EHN002-20-	M61	100	31	31,8	1.25	41,5	1.63	7	100	20,7	300	0,85	0.57	61	100
EHN002-24-	M61	100	38	38,1	1.50	50,0	1.97	7	100	20,7	300	0,97	0.65	61	100
EHN002-28-	M61	100	45	44,5	1.75	55,0	2.17	7	100	20,7	300	1,22	0.82	61	100
EHN002-32-	M61	100	51	50,8	2.00	63,0	2.48	7	100	20,7	300	1,40	0.94	61	100
EHN002-40-	M61	100	60	63,5	2.50	76,0	2.99	7	100	20,7	300	2,04	1.37	61	100
EHN002-48-	M61	100	80	76,2	3.00	89,0	3.50	7	100	20,7	300	2,54	1.71	61	100
EHN002-64-	M61	100	102	101,6	4.00	115,0	4.53	7	100	20,7	300	3,31	2.23	61	100
EHN002-80-	M61	100	130	127,0	5.00	145,0	5.71	7	100	20,7	300	5,16	3.47	61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN003 Steel Mill Non-flammable HD Cooling Water Transfer

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber and glass fiber

Operating Temperature:

-40°C to +150°C
(-40°F to +300°F)

Application:

- For discharge of cooling water

Markets:

- Steel mill
- Foundries

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN003-06-	MXX	100	10	9,5	0.38	19	0.75	10,5	150	31	450	0,28	0.19	40-61	100
EHN003-08-	MXX	100	12	12,7	0.50	22	0.87	10,5	150	31	450	0,36	0.24	40-61	100
EHN003-12-	MXX	100	19	19,0	0.75	32	1.26	10,5	150	31	450	0,70	0.47	40-61	100
EHN003-16-	MXX	100	25	25,4	1.00	38	1.50	10,5	150	31	450	0,83	0.32	40-61	100
EHN003-20-	MXX	100	31	31,8	1.25	47	1.85	10,5	150	31	450	1,24	0.83	40-61	100
EHN003-24-	MXX	100	38	38,1	1.50	54	2.13	10,5	150	31	450	1,53	1.03	40-61	100
EHN003-28-	MXX	100	45	44,5	1.75	61	2.40	10,5	150	31	450	1,83	1.23	40-61	100
EHN003-32-	MXX	100	51	50,8	2.00	69	2.72	10,5	150	31	450	2,36	1.59	40-61	100
EHN003-40-	MXX	100	60	63,5	2.50	80	3.15	10,5	150	31	450	2,61	1.75	40-61	100
EHN003-48-	MXX	100	80	76,2	3.00	94	3.70	10,5	150	31	450	3,11	2.09	40-61	100
EHN003-64-	MXX	100	102	101,6	4.00	122	4.80	10,5	150	31	450	4,72	3.17	40-61	100

Specialty Service

Steel Mill

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN004

Steel Mill Heavy Duty White Cooling Water Transfer

(Outside Temp. up to 600° C)

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber and glass fiber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For discharge of cooling water

Markets:

- Steel mill
- Foundries

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN004-08-	MXX	100	12	12,7	0.50	22	0.87	10,5	150	31	450	0,34	0.23	40-61	100
EHN004-10-	MXX	100	16	15,9	0.62	26	1.02	10,5	150	31	450	0,44	0.30	40-61	100
EHN004-12-	MXX	100	19	19,0	0.75	30	1.18	10,5	150	31	450	0,57	0.38	40-61	100
EHN004-16-	MXX	100	25	25,4	1.00	37	1.46	10,5	150	31	450	0,74	0.50	40-61	100
EHN004-20-	MXX	100	31	31,8	1.25	45	1.77	10,5	150	31	450	0,99	0.67	40-61	100
EHN004-24-	MXX	100	38	38,1	1.50	52	2.05	10,5	150	31	450	1,24	0.83	40-61	100
EHN004-28-	MXX	100	45	44,5	1.75	59	2.32	10,5	150	31	450	1,49	1.00	40-61	100
EHN004-32-	MXX	100	51	50,8	2.00	65	2.56	10,5	150	31	450	1,64	1.10	40-61	100
EHN004-40-	MXX	100	60	63,5	2.50	79	3.11	10,5	150	31	450	2,15	1.45	40-61	100
EHN004-48-	MXX	100	80	76,2	3.00	94	3.70	10,5	150	31	450	3,02	2.03	40-61	100
EHN004-64-	MXX	100	102	101,6	4.00	120	4.72	10,5	150	31	450	3,96	2.66	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN005 Steel Mill Medium Duty Cooling Water Transfer

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber and 2 glass fiber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For cooling water systems in steel mills and foundries

Markets:

- Steel mill
- Foundries

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN005-64-	M20	20	102	101,6	4.00	130	5.12	16	232	64	928	6,86	4.61	20	20
EHN005-80-	M20	20	130	127,0	5.00	155	6.10	16	232	64	928	8,36	5.62	20	20
EHN005-96-	M20	20	150	152,4	6.00	181	7.13	16	232	64	928	9,92	6.67	20	20
EHN005-128-	M20	20	200	203,2	8.00	232	9.13	16	232	64	928	12,73	8.56	20	20
EHN005-160-	M20	20	250	254,0	10.00	282	11.10	16	232	64	928	15,50	10.42	20	20

Specialty Service

Steel Mill

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN006 Steel Mill Heavy Duty Ceramic Coated Cooling Water Transfer

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: Ceramic coated EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For transfer of water and hot water where hose needs to be resistant to heat

Markets:

- Steel mill
- Foundries

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN006-08-	MXX	100	12	12,7	0.50	24	0.95	28	400	110	1600	0,42	0.28	40-61	100
EHN006-12-	MXX	100	19	19,0	0.75	30	1.18	28	400	110	1600	0,57	0.38	40-61	100
EHN006-16-	MXX	100	25	25,4	1.00	38	1.50	28	400	110	1600	0,83	0.56	40-61	100
EHN006-20-	MXX	100	31	31,8	1.25	46	1.81	28	400	110	1600	1,14	0.77	40-61	100
EHN006-24-	MXX	100	38	38,1	1.50	52	2.05	28	400	110	1600	1,32	0.89	40-61	100
EHN006-28-	MXX	100	45	44,5	1.75	60	2.36	28	400	110	1600	1,75	1.18	40-61	100
EHN006-32-	MXX	100	51	50,8	2.00	67	2.64	28	400	110	1600	2,25	1.51	40-61	100
EHN006-40-	MXX	100	60	63,5	2.50	81	3.19	28	400	110	1600	2,53	1.70	40-61	100
EHN006-48-	MXX	100	80	76,2	3.00	95	3.74	28	400	110	1600	3,25	2.18	40-61	100
EHN006-64-	MXX	100	102	101,6	4.00	123	4.84	28	400	110	1600	5,30	3.56	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHN007

Steel Fiberglass Steam Transfer

(Outside Temp. up to 600° C)

Construction:

Tube: EPM

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber and glass fiber

Operating Temperature:

-20°C to +165°C
(-4°F to +329°F)

Application:

- For discharge of cooling water

Markets:

- Steel mill
- Foundries

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHN007-08-	MXX	100	12	12,7	0.50	24,0	0.95	8	115	80	1150	0,41	0.28	40-61	100
EHN007-10-	MXX	100	16	15,9	0.62	30,0	1.18	8	115	80	1150	0,65	0.44	40-61	100
EHN007-12-	MXX	100	19	19,0	0.75	33,0	1.30	8	115	80	1150	0,71	0.48	40-61	100
EHN007-16-	MXX	100	25	25,4	1.00	39,5	1.56	8	115	80	1150	0,82	0.55	40-61	100
EHN007-20-	MXX	100	31	31,8	1.25	47,0	1.85	8	115	80	1150	1,15	0.77	40-61	100
EHN007-24-	MXX	100	38	38,1	1.50	53,0	2.09	8	115	80	1150	1,35	0.91	40-61	100
EHN007-28-	MXX	100	45	44,5	1.75	60,0	2.36	8	115	80	1150	1,57	1.06	40-61	100
EHN007-32-	MXX	100	51	50,8	2.00	67,5	2.66	8	115	80	1150	1,97	1.32	40-61	100
EHN007-40-	MXX	100	60	63,5	2.50	81,0	3.19	8	115	80	1150	2,51	1.69	40-61	100
EHN007-48-	MXX	100	80	76,2	3.00	98,0	3.86	8	115	80	1150	3,66	2.46	40-61	100
EHN007-64-	MXX	100	102	101,6	4.00	124,0	4.88	8	115	80	1150	4,83	3.25	40-61	100

Specialty Service

Steel Mill

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW006

Heavy Duty Water Cooling Transfer

(Outside Temp. up to 600° C)

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber and glass fiber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For discharge of cooling water

Markets:

- Steel mill
- Foundries

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW006-06-	MXX	100	10	9,5	0.38	18,0	0.71	10,5	150	31	450	0,27	0.18	40-61	100
EHW006-08-	MXX	100	12	12,7	0.50	21,5	0.85	10,5	150	31	450	0,35	0.24	40-61	100
EHW006-10-	MXX	100	16	15,9	0.62	25,0	0.98	10,5	150	31	450	0,42	0.28	40-61	100
EHW006-12-	MXX	100	19	19,0	0.75	28,0	1.10	10,5	150	31	450	0,48	0.32	40-61	100
EHW006-16-	MXX	100	25	25,4	1.00	34,0	1.34	10,5	150	31	450	0,60	0.40	40-61	100
EHW006-20-	MXX	100	31	31,8	1.25	42,0	1.65	10,5	150	31	450	0,82	0.55	40-61	100
EHW006-22-	MXX	100	35	35,0	1.38	46,0	1.81	10,5	150	31	450	0,95	0.64	40-61	100
EHW006-24-	MXX	100	38	38,1	1.50	50,0	1.97	10,5	150	31	450	1,17	0.79	40-61	100
EHW006-28-	MXX	100	45	44,5	1.75	57,0	2.24	10,5	150	31	450	1,39	0.93	40-61	100
EHW006-32-	MXX	100	51	50,8	2.00	63,5	2.50	10,5	150	31	450	1,64	1.10	40-61	100
EHW006-40-	MXX	100	60	63,5	2.50	76,5	3.01	10,5	150	31	450	2,04	1.37	40-61	100
EHW006-44-	MXX	100	45	44,5	2.75	83,0	3.27	10,5	150	31	450	2,26	1.52	40-61	100
EHW006-48-	MXX	100	80	76,2	3.00	90,0	3.54	10,5	150	31	450	2,58	1.73	40-61	100
EHW006-64-	MXX	100	102	101,6	4.00	116,0	4.57	10,5	150	31	450	3,45	2.32	40-61	100
EHW006-80-	MXX	100	130	127,0	5.00	142,0	5.59	10,5	150	31	450	4,31	2.90	40-61	100
EHW006-96-	MXX	100	150	152,4	6.00	167,0	6.57	10,5	150	31	450	5,16	3.47	40-61	100
EHW006-128-	M20	20	200	203,2	8.00	221,0	8.70	10,5	150	31	450	8,28	5.57	20	20
EHW006-160-	M20	20	250	254,0	10.00	274,0	10.79	10,5	150	31	450	11,80	7.93	20	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW500 Industrial Welding

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For industrial welding with oxygen or acetylene

Markets:

- In-plant service
- Welding

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW500-04RD-	M100	100	6	6,4	0.25	13	0.51	20,7	300	62	900	30	1.18	0,16	0.11	100	100
EHW500-04ARD-	M100	100	6	6,4	0.25	14	0.55	20,7	300	62	900	30	1.18	0,18	0.12	100	100
EHW500-05RD-	M100	100	8	7,9	0.31	15	0.59	20,7	300	62	900	40	1.57	0,19	0.13	100	100
EHW500-05ARD-	M100	100	8	7,9	0.31	16	0.63	20,7	300	62	900	40	1.57	0,22	0.15	100	100
EHW500M09RD-	M100	100	9	9,0	0.35	16	0.63	20,7	300	62	900	45	1.77	0,20	0.13	100	100
EHW500-06RD-	M100	100	10	15,9	0.38	17	0.67	20,7	300	62	900	50	1.97	0,22	0.15	100	100
EHW500-06ARD-	M100	100	10	15,9	0.38	18	0.71	20,7	300	62	900	50	1.97	0,26	0.17	100	100
EHW500-08RD-	M100	100	12	12,7	0.50	22	0.87	20,7	300	62	900	65	2.56	0,37	0.25	100	100

*Product also available in BK-Black and BU-Blue

Specialty Service

Welding

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW502 Heavy Duty Industrial Welding

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-30°C to +1000°C
(-22°F to +212°F)

Application:

- For industrial welding with oxygen or acetylene

Markets:

- In-plant service
- Welding

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW502-05RD-	M100	100	8	7,9	0.31	16	0.63	28	400	83	1200	35	1.38	0,24	0.16	100	100
EHW502-06RD-	M100	100	10	15,9	0.38	19	0.75	28	400	83	1200	45	1.77	0,34	0.23	100	100
EHW502-08RD-	M100	100	12	12,7	0.50	23	0.91	28	400	83	1200	55	2.17	0,46	0.31	100	100
EHW502-10RD-	M100	100	16	15,9	0.62	26	1.02	28	400	83	1200	70	2.76	0,54	0.36	100	100
EHW502-12RD-	M100	100	19	19,0	0.75	32	1.26	28	400	83	1200	85	3.35	0,83	0.56	100	100
EHW502-16RD-	M100	100	25	25,4	1.00	38	1.50	28	400	83	1200	140	5.51	1,05	0.71	100	100
EHW502-20RD-	M100	100	31	31,8	1.25	46	1.81	28	400	83	1200	160	6.30	1,43	0.96	100	100
EHW502-24RD-	M100	100	38	38,1	1.50	54	2.13	28	400	83	1200	190	7.48	1,85	1.24	100	100

* Product also available in BK-Black, BU-Blue, and OR-Orange

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW503 Welding Liquid Propane Gas

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For industrial welding with LPG

Markets:

- In-plant service
- Welding

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW503-04OR-	M100	100	6	6,4	0.25	13	0.51	20,7	300	62	900	30	1.18	0,16	0.11	100	100
EHW503-04AOR-	M100	100	6	6,4	0.25	14	0.55	20,7	300	62	900	30	1.18	0,19	0.13	100	100
EHW503-05OR-	M100	100	8	7,9	0.31	15	0.59	20,7	300	62	900	40	1.57	0,19	0.13	100	100
EHW503-05AOR-	M100	100	8	7,9	0.31	16	0.63	20,7	300	62	900	40	1.57	0,22	0.15	100	100
EHW503M09OR-	M100	100	9	9,0	0.35	16	0.63	20,7	300	62	900	45	1.77	0,20	0.13	100	100
EHW503-06OR-	M100	100	10	15,9	0.38	17	0.67	20,7	300	62	900	50	1.97	0,22	0.15	100	100
EHW503-06AOR-	M100	100	10	15,9	0.38	18	0.71	20,7	300	62	900	50	1.97	0,26	0.17	100	100
EHW503-08OR-	M100	100	12	12,7	0.50	22,5	0.89	20,7	300	62	900	65	2.56	0,40	0.24	100	100

* Product also available in BK-Black

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW504 Welding Torch Cooling

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:

- For delivery of water and cooling liquids suitable for welding torch

Markets:

- In-plant service
- Welding

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW504-05-	MXX	300	8	7,9	0.31	13,0	0.51	7	100	20,7	300	0,12	0.08	100	300
EHW504-M09-	MXX	300	9	9,0	0.35	14,0	0.55	7	100	20,7	300	0,13	0.09	100	300
EHW504-06-	MXX	300	10	9,5	0.38	15,5	0.61	7	100	20,7	300	0,16	0.11	100	300

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW501 Industrial Welding Twinline (Blue & Red)

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For industrial welding with oxygen or acetylene

Markets:

- In-plant service
- Welding

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW501-0303-	MXX	100	5	4,8	0.19	11	0.43	20,7	300	62	900	25	0.98	0,23	0.17	10-100	100
EHW501-0404-	MXX	100	6	6,4	0.25	13	0.51	20,7	300	62	900	30	1.18	0,32	0.22	10-100	100
EHW501-0405-	MXX	100	6	6,4	0.25	13	0.51	20,7	300	62	900	30	1.18	0,36	0.24	10-100	100
- -	- -	- -	8	7,9	0.31	15	0.59	20,7	300	62	900	- -	- -	- -	- -	- -	- -
EHW501-0505-	MXX	100	8	7,9	0.31	15	0.59	20,7	300	62	900	40	1.57	0,39	0.26	10-100	100
EHW501-0506-	MXX	100	8	7,9	0.31	15	0.59	20,7	300	62	900	40	1.57	0,43	0.29	10-100	100
- -	- -	- -	10	9,5	0.38	17	0.67	20,7	300	62	900	- -	- -	- -	- -	- -	- -
EHW501-0606-	MXX	100	10	9,5	0.38	17	0.67	20,7	300	62	900	50	1.97	0,46	0.31	10-100	100
EHW501-0608-	MXX	100	10	9,5	0.38	17	0.67	20,7	300	62	900	50	1.97	0,63	0.42	10-100	100
- -	- -	- -	12	12,7	0.50	22	0.87	20,7	300	62	900	- -	- -	- -	- -	- -	- -
EHW501-0808-	MXX	100	12	12,7	0.50	22	0.87	20,7	300	62	900	65	2.56	0,77	0.52	10-100	100

Specialty Service

Welding

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW507 Industrial Welding Twinline (Green & Red)

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For industrial welding with oxygen or acetylene

Markets:

- In-plant service
- Welding

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW507-0303-	MXX	100	5	4,8	0.19	11	0.43	20,7	300	62	900	25	0.98	0,23	0.17	10-100	100
EHW507-0404-	MXX	100	6	6,4	0.25	13	0.51	20,7	300	62	900	30	1.18	0,32	0.22	10-100	100
EHW507-0405-	MXX	100	6	6,4	0.25	13	0.51	20,7	300	62	900	30	1.18	0,36	0.24	10-100	100
- -	- -	- -	8	7,9	0.31	15	0.59	20,7	300	62	900	- -	- -	- -	- -	- -	- -
EHW507-0505-	MXX	100	8	7,9	0.31	15	0.59	20,7	300	62	900	40	1.57	0,39	0.26	10-100	100
EHW507-0506-	MXX	100	8	7,9	0.31	15	0.59	20,7	300	62	900	40	1.57	0,43	0.29	10-100	100
- -	- -	- -	10	9,5	0.38	17	0.67	20,7	300	62	900	- -	- -	- -	- -	- -	- -
EHW507-0606-	MXX	100	10	9,5	0.38	17	0.67	20,7	300	62	900	50	1.97	0,46	0.31	10-100	100
EHW507-0608-	MXX	100	10	9,5	0.38	17	0.67	20,7	300	62	900	50	1.97	0,63	0.42	10-100	100
- -	- -	- -	12	12,7	0.50	22	0.87	20,7	300	62	900	- -	- -	- -	- -	- -	- -
EHW507-0808-	MXX	100	12	12,7	0.50	22	0.87	20,7	300	62	900	65	2.56	0,77	0.52	10-100	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW505 Welding Rubberized Electrical Protection

Construction:

Tube: Rubberized synthetic rubber

Cover: Synthetic rubber

Operating Temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For cable protection in industrial applications

Markets:

- In-plant service
- Welding

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW505-10-	M61	100	16	15,9	0.62	19,0	0.75	- -	- -	- -	- -	- -	- -	0,10	0.07	M61	100
EHW505-12-	M61	100	19	19,0	0.75	22,0	0.87	- -	- -	- -	- -	- -	- -	0,11	0.07	M61	100
EHW505-M20-	M61	100	20	20,0	0.79	23,0	0.91	- -	- -	- -	- -	- -	- -	0,10	0.07	M61	100
EHW505-14-	M61	100	22	22,2	0.88	25,0	0.98	- -	- -	- -	- -	- -	- -	0,11	0.07	M61	100
EHW505-16-	M61	100	25	25,4	1.00	27,4	1.08	- -	- -	- -	- -	- -	- -	0,12	0.08	M61	100
EHW505-18-	M61	100	28	28,6	1.12	31,0	1.22	- -	- -	- -	- -	- -	- -	0,13	0.09	M61	100
EHW505-19-	M61	100	30	30,0	1.18	33,0	1.30	- -	- -	- -	- -	- -	- -	0,14	0.09	M61	100
EHW505-20-	M61	100	31	31,8	1.25	35,0	1.38	- -	- -	- -	- -	- -	- -	0,16	0.11	M61	100
EHW505-22-	M61	100	35	35,0	1.38	38,0	1.50	- -	- -	- -	- -	- -	- -	0,18	0.12	M61	100
EHW505-24-	M61	100	38	38,1	1.50	41,0	1.61	- -	- -	- -	- -	- -	- -	0,19	0.13	M61	100
EHW505-25-	M61	100	40	40,0	1.57	43,0	1.69	- -	- -	- -	- -	- -	- -	0,20	0.13	M61	100
EHW505-26-	M61	100	42	42,0	1.65	45,0	1.77	- -	- -	- -	- -	- -	- -	0,22	0.15	M61	100
EHW505-28-	M61	100	45	44,5	1.75	48,0	1.89	- -	- -	- -	- -	- -	- -	0,24	0.16	M61	100
EHW505-32-	M61	100	51	50,8	2.00	54,0	2.13	- -	- -	- -	- -	- -	- -	0,25	0.17	M61	100
EHW505-M54-	M61	100	54	54,0	2.13	57,0	2.24	- -	- -	- -	- -	- -	- -	0,27	0.18	M61	100
EHW505-M55-	M61	100	55	55,0	2.17	58,0	2.28	- -	- -	- -	- -	- -	- -	0,28	0.19	M61	100
EHW505-36-	M61	100	57	57,0	2.24	60,0	2.36	- -	- -	- -	- -	- -	- -	0,32	0.22	M61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW506 Welding Electrical Protection

Construction:

Tube: Synthetic fulleno

Cover: Synthetic rubber

Operating Temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For cable protection in industrial applications

Markets:

- In-plant service
- Welding

Type of Couplings:

Contact coupling manufacturer for coupling selection and installation

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW506-M14-	M61	100	14	14,0	0.55	16,0	0.63	- -	- -	- -	- -	- -	- -	0,06	0.04	M61	100
EHW506-M18-	M61	100	18	18,0	0.71	20,0	0.79	- -	- -	- -	- -	- -	- -	0,08	0.05	M61	100
EHW506-M20-	M61	100	20	20,0	0.79	22,0	0.87	- -	- -	- -	- -	- -	- -	0,09	0.06	M61	100
EHW506-14-	M61	100	22	22,2	0.88	24,0	0.94	- -	- -	- -	- -	- -	- -	0,09	0.06	M61	100
EHW506-M24-	M61	100	24	24,0	0.94	26,0	1.02	- -	- -	- -	- -	- -	- -	0,10	0.07	M61	100
EHW506-16-	M61	100	25	25,4	1.00	27,4	1.08	- -	- -	- -	- -	- -	- -	0,11	0.07	M61	100
EHW506-18-	M61	100	28	28,6	1.12	30,0	1.18	- -	- -	- -	- -	- -	- -	0,12	0.08	M61	100
EHW506-20-	M61	100	31	31,8	1.25	34,0	1.34	- -	- -	- -	- -	- -	- -	0,14	0.09	M61	100
EHW506-22-	M61	100	35	35,0	1.38	37,0	1.46	- -	- -	- -	- -	- -	- -	0,15	0.10	M61	100
EHW506-25-	M61	100	40	40,0	1.57	42,0	1.65	- -	- -	- -	- -	- -	- -	0,17	0.11	M61	100
EHW506-28-	M61	100	45	44,5	1.75	46,5	1.83	- -	- -	- -	- -	- -	- -	0,24	0.16	M61	100
EHW506-30-	M61	100	48	48,0	1.89	50,0	1.97	- -	- -	- -	- -	- -	- -	0,20	0.13	M61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0372 BLACKCAT™ Hot Tar & Asphalt

Construction:

Tube: Nitrile

Reinforcement: 2-ply fiberglass with helical wire

Cover: Neoprene

Operating Temperature:

+177°C Intermittent (+350°F)

Handle intermittent temperature of hot tar and asphalt up to +400°F

Application:

- For suction & discharge of tar and asphalt

Markets:

- Road construction
- Roof construction

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H037232-**		100	51	50,8	2.00	74,6	2.94	13,8	200	55	800	177,8	7.00	94,8	28	3,48	2.34		100
H037240-		100	60	63,5	2.50	87,3	3.44	13,8	200	55	800	254,0	10.00	94,8	28	4,24	2.85		100
H037248-**		100	80	76,2	3.00	97,6	3.84	13,8	200	55	800	254,0	10.00	94,8	28	4,95	3.33		100
H037264-		100	102	101,6	4.00	126,2	4.97	13,8	200	55	800	304,8	12.00	94,8	28	6,74	4.53		100

Product available in 50 ft. lengths . ** Product available in 150 ft. lengths

Specialty Service

Road Construction

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0616 BLACKCAT™ Corrugated Hot Tar & Asphalt

Construction:

Tube: Nitrile

Reinforcement: 2-ply fiberglass with helical wire

Cover: Corrugated neoprene

Operating Temperature:

+177°C Intermittent (+350°F)

Handle intermittent temperature of hot tar and asphalt up to +400°F

Application:

- For suction & discharge of tar and asphalt

Markets:

- Road construction
- Roof construction

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H061632-		50	51	50,8	2.00	76,2	3.00	13,8	200	55	800	127,0	5.00	94,8	28	3,48	2.34		50
H061632-		100	51	50,8	2.00	76,2	3.00	13,8	200	55	800	127,0	5.00	94,8	28	3,48	2.34		100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHK009 Asphalt Suction & Discharge

Construction:

Tube: Synthetic acrylic rubber

Reinforcement: High-tensile synthetic textile dual helical wire with antl-static copper wire

Cover: Synthetic rubber

Operating Temperature:

-40°C to +180°C
(-40°F to +356°F)

Application:

- For suction & discharge of tar and asphalt

Markets:

- Road construction
- Roof construction

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			DN	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHK009-16-	MXX	100	25	25,4	1.00	43	1.69	18	260	54	780	115	4.53	94,8	28	1,24	0.83	40-61	100
EHK009-20-	MXX	100	31	31,8	1.25	50	1.97	18	260	54	780	150	5.91	94,8	28	1,50	1.01	40-61	100
EHK009-24-	MXX	100	38	38,1	1.50	56	2.20	18	260	54	780	180	7.09	94,8	28	1,83	1.23	40-61	100
EHK009-28-	MXX	100	45	44,5	1.75	64	2.52	18	260	54	780	220	8.66	94,8	28	2,34	1.57	40-61	100
EHK009-32-	MXX	100	51	50,8	2.00	71	2.80	18	260	54	780	250	9.84	94,8	28	2,78	1.87	40-61	100
EHK009-40-	MXX	100	60	63,5	2.50	83	3.27	10,5	150	31	450	320	12.60	94,8	28	3,13	2.10	40-61	100
EHK009-48-	MXX	100	80	76,2	3.00	97	3.81	10,5	150	31	450	400	15.75	94,8	28	4,11	2.76	40-61	100
EHK009-64-	MXX	100	102	101,6	4.00	126	4.96	10,5	150	31	450	520	20.47	94,8	28	6,17	4.15	40-61	100
EHK009-80-	MXX	100	130	127,0	5.00	153	6.02	10,5	150	31	450	680	26.77	94,8	28	8,15	5.48	40-61	100
EHK009-96-	MXX	100	150	152,4	6.00	179	7.05	10,5	150	31	450	850	33.46	94,8	28	10,23	6.88	40-61	100

Specialty Service

Road Construction

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9603 Hot Tar Pumping

Construction:

Tube: Nitrile (RMA Class A)

Reinforcement: 2-wire braid

Cover: Pin-pricked CPE

Operating Temperature:

+177°C Intermittent (+350°F)

Application:

- For hot tar projects

Markets:

- Road construction
- Roof construction

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H960316-		50	25	25,4	1.00	39,7	1.56	17,2	250	172	2500	304,8	12.00	1,34	.90		50
H960316-		100	25	25,4	1.00	39,7	1.56	17,2	250	172	2500	304,8	12.00	1,34	.90		100
H960316-		150	25	25,4	1.00	39,7	1.56	17,2	250	172	2500	304,8	12.00	1,34	.90		150

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EH066 Diesel Exhaust Fluid Dispensing

Construction:

Tube: Peroxide cured EPDM

Reinforcement: Fiber braid with stainless steel static wire

Cover: Peroxide cured EPDM

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For conveying diesel exhaust fluid

Markets:

- Tank truck

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EH06608-		50	12	12,7	0.50	21,6	0.85	21	300	83	1200	101	3,98	0,26	0.18		50
EH06612-		50	19	19,0	0.75	29,0	1.14	21	300	83	1200	152	5,98	0,42	0.29		50

Specialty Service

Hydrocarbon

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H969 Hydrocarbon Drain

Construction:

Tube: Nitrile (RMA Class A)

Reinforcement: 2-wire braid

Cover: Pin-pricked chlorinated polyetheylene

Operating Temperature:

+177°C
(+350°F)

Application:

- For hydrocarbon drain service

Markets:

- Petroleum

Type of Couplings:

- Boss Male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H969012-		50	19	19,0	0.75	34,1	1.34	21	300	207	3000	0,89	0.60		50

Specialty Service

Nitrogen

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H8811 Nitrogen

Construction:

Tube: Nitrile

Reinforcement: 4-spiral fiber

Cover: Pin-pricked neoprene

Operating Temperature:

+21°C Ambient
(+70°F)

Application:

- For transfer of nitrogen at ambient temperatures

Markets:

- Refineries
- Petroleum industry

Type of Couplings:

- "U" Series
- Barbed inserts
- Boss male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H881112YW-		250	19	19,0	0.75	30,2	1.19	21	300	83	1200	0,57	0.38		5-50's

Specialty Service

Road Cleaning

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS500 Sweeper Hose

Construction:

Tube: Natural rubber

Reinforcement: Synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For street cleaning machines

Markets:

- Road cleaning

Type of Couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS500-96-	MX	10	150	152,4	6.00	- -	- -	- -	- -	- -	- -	150	5.91	3,40	2.29	1-3	10
EHS500-112-	MX	10	180	180,0	7.09	- -	- -	- -	- -	- -	- -	180	7.09	3,50	2.35	1-3	10
EHS500-128-	MX	10	200	203,2	8.00	- -	- -	- -	- -	- -	- -	200	7.87	4,30	2.89	1-3	10
EHS500-138-	MX	10	219	219,0	8.62	- -	- -	- -	- -	- -	- -	220	8.66	5,10	3.42	1-3	10
EHS500-160-	MX	10	254	254,0	10.00	- -	- -	- -	- -	- -	- -	250	9.84	5,90	3.97	1-3	10
EHS500-172-	MX	10	273	273,0	10.75	- -	- -	- -	- -	- -	- -	270	10.63	6,50	4.37	1-3	10
EHS500-192-	MX	10	304	304,8	12.00	- -	- -	- -	- -	- -	- -	300	11.81	7,00	4.71	1-3	10
EHS500-224-	MX	10	355	355,6	14.00	- -	- -	- -	- -	- -	- -	350	13.78	10,00	6.72	1-3	10

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS501 Sewer Sweeper Vacuum

Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: CR with cuffed ends

Operating Temperature:

-35°C to +100°C
(-31°F to +212°F)

Application:

- For suction and cleaning of sewage systems

Markets:

- Street cleaning

Type of Couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Cuffed End	Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	cm	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHS501-64-	M20	20	102	101,6	4.00	117	4.60	120	6	85	17,5	255	300	11.81	94,8	28	4,73	3.18	20	20
EHS501-80-	M20	20	130	127,0	5.00	146	5.75	150	6	85	17,5	255	350	13.78	94,8	28	6,95	4.67	20	20
EHS501-96-	M20	20	150	152,4	6.00	170	6.69	150	6	85	17,5	255	400	15.75	94,8	28	8,93	6.00	20	20

Notes

Steam Service

Steam Hose

Steam Service

Introduction and Safety Information

Heat Resisting Patrex or EPDM Tubes

- Eaton products' exclusive elastomers with superior heat resistance provide for longer service life...and will resist flaking rubber particles (popcorning) and will handle most steam cleaner detergents.

Hi-Strength Steel Wire Braided Reinforcement

- Keeps the hose limber and easy to handle. Adds versatility... hot water cleaning to high pressure process steam service.

EPDM or Oil Resistant

- Stand up to the dragging, scuffing and abuse found in many applications.

Covers

- Ensures maximum service life and value. Exceptional aging, weathering, and heat resisting properties keep the hose flexible and easy to use.

Permanent Branding for Easy Identification

- The name of the hose and the working pressure are molded into the hose cover...can't rub off. This lets the operator know that the hose is for steam service.

The Eaton Brand Reputation for Quality

- Your assurance of dependable performance.

Steam Service Hose Safety Information

Important!

WARNING: Exposure to steam is hazardous. If not properly controlled, steam can cause property damage, serious bodily injury, or death. In order to avoid property damage, serious injury, or death, you must select the proper steam hose for the given application. Also, proper installation, usage and maintenance of the steam hose you select will contribute to increased operator safety.

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, and damage to property.

WARNING: Only specially trained persons should engage in applications or testing procedures that require particular skills. Failure to do so may result in damage to the hose products or to other property and more importantly, may result in serious injury.

WARNING: Steam heat is hotter than 212°F (boiling water) and increases in temperature as pressure increases. See safety information in this catalog.

Safety Tips

Common Sense with Steam Hose

- Provide operators with adequate safety clothing. Include gloves, rubber boots, full length protective clothing and eye protection. The objective is to provide protection from scalding burns resulting from splash back of steam or hot water.
- Ensure that the work area is free of tripping hazards and other clutter.
- Check the tightness of the coupling with each use.
- Do not allow the hose to remain pressurized when not in service. Turning off the pressure can provide dramatic increases in steam hose service life.
- Periodic maintenance of steam hose can pay big dividends. All steam hoses are expected to wear out in time. It is important to continually be on the lookout for hose that has deteriorated to the point where it can no longer provide safe service. The following guidelines can help in that determination.

Operators should be aware of the obvious signs of trouble:

They include:

- Cover blisters or lumps
- Cuts or gouges in the outside of the hose which expose the reinforcement
- Hardened or inflexible hose
- Steam leakages at the coupling ends or anywhere along the length of the hose
- Flattened or kinked areas which have damaged the hose
- A reduction of steam flow indicating that the tube is swelling

When any of the above abnormalities appear it is good safety sense to immediately remove the hose from service. Once removed, the hose can be carefully inspected before further use. Steam hose failures occur near the ends due to flexing and strain at the couplings. In those cases the hose can frequently be cut back and recoupled, providing additional service life. Hose used in continuous high pressure/ temperature service should be inspected periodically for signs of tube hardening. In most cases it is necessary to remove a coupling for tube inspection.

Make Your Selection With Safety in Mind

- Be sure to select a hose identified as steam hose.
- Hose identification should be in the form of permanent branding on the hose outer cover, not just on the package.
- You must identify the type of service the steam hose is required to accomplish.
  a) Is the hose manually handled?
  b) What is the anticipated frequency of use?
  c) What is the actual pressure of the steam service?
  d) Is it subject to surges or peak pressures?
  e) What is the temperature of the steam?
  f) Saturated (wet) or superheated (dry) steam?
  g) What are the external conditions in the area where the hose will be used?
- You should recognize that spillage or accumulations of corrosive chemicals or petroleum based materials externally can have a deteriorating effect on the hose cover.

Making Sure the Hose is Installed Properly

- Be certain to use hose couplings designed for steam hose service. Follow the coupling manufacturer's instruction for coupling attachment. Check tightness with each use.
- Avoid extreme flexing of the hose near the coupling. If necessary use elbows in the piping system to assure a straight line connection with the hose.
- Installing and using a shut-off valve between the steam source and the hose will maximize service life and operator safety, and we consider such a value mandatory for safe operation.
- The use of spring guards can relieve some of the acute flexing encountered in heavy manual handling applications.
- Provide a suitable means of storing the hose when not in use. A permanent rack or tray will minimize the damage to the hose in storage. Do not hang the hose on a hook, nail, or other device which could cut or damage the hose.

Recommendations

1 Install an OSHA approved safety cable on the hose at every junction to prevent whipping of the end if the coupling should disconnect.

2 Ensure continuous static grounding of the hose at each coupling.

3 If the clamps are a bolt-on style, tighten them to the correct torque before use. Use calibrated torque wrenches, not impact or other types.

4 Repairs on steam hoses and couplings should be done only by fully qualified distributors or fabricators.

5 All workers near the hose should wear full protective safety gear including gloves, safety shoes, full-length protective clothing and protective glasses or goggles.

6 Perform a complete safety check before the steam is turned on. Inspect the area and remove all unnecessary objects and debris. Inspect the hose for gouges, kinks, worn areas, loose couplings and other potential safety problems.

7 Install a shut-off valve between the source of steam and hose assembly.

8 Use spring guards to protect the hose from kinking when handling of the hose is required.

9 Avoid excessive flexing of the hose, particularly near couplings. Flexing can weaken the assembly.

10 Examine connections to the steam source. Use straight connections instead of bending the hose. Install pipe elbows to ensure either straight vertical connections pointing downward, or a 45° downward angle that allows the hose to gently contact the ground without too much flexing.

11 Be aware of the danger of hammer effect and take steps to prevent it. Hammer effect is caused by spikes of extreme pressure; it can damage hose assemblies and break couplings free. The usual causes are blockage, pinched-off flow or valves being opened or closed too fast. Make personnel aware of both the danger and causes, and urge them to avoid actions that can cause the hammer effect.

12 When finished using steam, always close the pressure valve from the steam source. In addition to providing an extra safety margin, this action can extend the working life of the hose.

13 Add an extra measure of safety by ensuring that all steam hose connections are incompatible with other hoses in the plant or by color-coding for different applications. Manufacturers can often cooperate with these requests and suggest good color-coding systems.

14 Train workers to look for signs of problems during usage, such as steam leakage, loose clamps, hose shrinkage, cover damage or exposed reinforcement.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EH084 Steam Slayer™

Construction:

Tube: Special chlorobutyl blend

Reinforcement: 2-wire braid

Cover: Pin-pricked EPDM

Operating Temperature:

-40°C to +208°C
(-40°F to +407°F)

For superheated steam
+232°C (+450°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- EJ Series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EH08408	12	12,7	0.50	27,7	1.09	17,2	250	172	2500	0,73	0.49	15,2	50
EH08412	19	19,0	0.75	33,5	1.32	17,2	250	172	2500	0,94	0.63	15,2	50
EH08416	25	25,4	1.00	40,4	1.59	17,2	250	172	2500	1,28	0.86	15,2	50

Steam Service

Specialized Hose

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EH080 & EH081 Steam Slayer™

Construction:

Tube: Special chlorobutyl blend

Reinforcement: 2-wire braid

Cover: Pin-pricked EPDM

Operating Temperature:

-40°C to +208°C
(-40°F to +407°F)

For superheated steam
+232°C (+450°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- EJ Series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EH08008	12	12,7	0.50	27,7	1.09	17,2	250	172	2500	0,73	0.49	15,2	50
EH08012	19	19,0	0.75	33,5	1.32	17,2	250	172	2500	0,94	0.63	15,2	50
EH08016	25	25,4	1.00	40,4	1.59	17,2	250	172	2500	1,28	0.86	15,2	50
EH08108	12	12,7	0.50	27,7	1.09	17,2	250	172	2500	0,73	0.49	15,2	50
EH08112	19	19,0	0.75	33,5	1.32	17,2	250	172	2500	0,94	0.63	15,2	50
EH08116	25	25,4	1.00	40,4	1.59	17,2	250	172	2500	1,28	0.86	15,2	50

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0084 Concord Standard

Construction:

Tube: Special chlorobutyl blend

Reinforcement: 2-wire braid with stainless steel static wire

Cover: Pin-pricked EPDM

Operating Temperature:

Maximum Operating +232°C (+450°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- Ground joint female
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H008420BK	31	31,8	1.25	50,0	1.97	17,2	250	172	2500	2,0	1.35	15,2	50
H008424BK	38	38,1	1.50	56,4	2.22	17,2	250	172	2500	2,3	1.55	15,2	50
H008432BK	51	50,8	2.00	69,1	2.72	17,2	250	172	2500	2,9	1.94	15,2	50
H008432BK	51	50,8	2.00	69,1	2.72	17,2	250	172	2500	2,9	1.94	15,2	50

Steam Service

Specialized Hose

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS005 Steel Wire Reinforced Steam

Construction:

Tube: Butyl

Reinforcement: High-tensile steel wire cords

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +208°C
(-40°F to +406°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- Ground joint female
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS005-08-	MXX	50	12	12,7	0.50	24,0	0.94	17	247	170	2465	70	2.76	0,49	0.82	40	50
EHS005-10-	MXX	50	16	15,9	0.62	27,0	1.06	17	247	170	2465	80	3.15	0,56	0.38	40	50
EHS005-12-	MXX	50	19	19,0	0.75	32,0	1.26	17	247	170	2465	100	3.94	0,72	0.48	40,61	50
EHS005-16-	MXX	50	25	25,4	1.00	38,5	1.52	17	247	170	2465	140	5.51	0,96	0.65	40,61	50
EHS005-20-	MXX	50	31	31,8	1.25	46,0	1.81	17	247	170	2465	200	7.87	1,27	0.85	40,61	50
EHS005-24-	MXX	50	38	38,1	1.50	52,0	2.05	17	247	170	2465	250	9.84	1,58	1.06	40,61	50
EHS005-32-	MXX	50	51	50,8	2.00	67,0	2.64	17	247	170	2465	350	13.78	2,37	1.59	40,61	50
EHS005-40-	MXX	50	60	63,5	2.50	79,5	3.13	17	247	170	2465	450	17.72	2,97	2.00	40,61	50
EHS005-48-	MXX	50	80	76,2	3.00	93,0	3.66	17	247	170	2465	550	21.65	3,88	2.61	40,61	50
EHS005-64-	MXX	50	102	101,6	4.00	124,0	4.88	17	247	170	2465	750	29.53	6,60	4.44	40,61	50

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS007

Steel Wire Reinforced Steam

ISO 6134-2B Oil Resistant Cover

Construction:

Tube: EPM

Reinforcement: High-tensile steel wire cords

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +210°C

Intermittent to +232°C

(-40°F to +410°F)
Intermittent to +450°F

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- Ground joint female
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS007-08-	MXX	50	12	12,7	0.50	25	0.98	18	261	180	2610	130	5.12	0,56	0.38	40,61	50
EHS007-10-	MXX	50	16	15,9	0.62	30	1.18	18	261	180	2610	160	6.30	0,78	0.52	40,61	50
EHS007-12-	MXX	50	19	19,0	0.75	33	1.30	18	261	180	2610	190	7.48	0,82	0.55	40,61	50
EHS007-16-	MXX	50	25	25,4	1.00	40	1.57	18	261	180	2610	250	9.84	1,07	0.72	40,61	50
EHS007-20-	MXX	50	31	31,8	1.25	48	1.89	18	261	180	2610	320	12.60	1,49	1.00	40,61	50
EHS007-24-	MXX	50	38	38,1	1.50	54	2.13	18	261	180	2610	380	14.96	1,87	1.26	40,61	50
EHS007-32-	MXX	50	51	50,8	2.00	69	2.72	18	261	180	2610	500	19.68	2,70	1.82	40,61	50
EHS007-40-	MXX	50	60	63,5	2.50	81	3.19	18	261	180	2610	630	24.80	3,21	2.16	40,61	50
EHS007-48-	MXX	50	80	76,2	3.00	94	3.70	18	261	180	2610	750	29.53	4,18	2.81	40,61	50
EHS007-64-	MXX	50	102	101,6	4.00	122	4.80	18	261	180	2610	1000	39.37	6,43	4.32	40,61	50

Steam Service

Specialized Hose

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS006

Steel Wire Reinforced Steam

ISO 6134-2A

Construction:

Tube: EPM

Reinforcement: High-tensile steel wire cords

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +210°C

Intermittent to +232°C

(-40°F to +410°F)
Intermittent to +450°F

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- Ground joint female
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS006-08-	MXX	50	12	12,7	0.50	25	0.98	18	261	180	2610	130	5.12	0,53	0.36	40,61	50
EHS006-10-	MXX	50	16	15,9	0.62	30	1.18	18	261	180	2610	160	6.30	0,75	0.50	40,61	50
EHS006-12-	MXX	50	19	19,0	0.75	33	1.30	18	261	180	2610	190	7.48	0,78	0.52	40,61	50
EHS006-16-	MXX	50	25	25,4	1.00	40	1.57	18	261	180	2610	250	9.84	1,03	0.69	40,61	50
EHS006-20-	MXX	50	31	31,8	1.25	48	1.89	18	261	180	2610	320	12.60	1,41	0.95	40,61	50
EHS006-24-	MXX	50	38	38,1	1.50	54	2.13	18	261	180	2610	380	14.96	1,78	1.20	40,61	50
EHS006-32-	MXX	50	51	50,8	2.00	69	2.72	18	261	180	2610	500	19.68	2,58	1.73	40,61	50
EHS006-40-	MXX	50	60	63,5	2.50	81	3.19	18	261	180	2610	630	24.80	3,16	2.12	40,61	50
EHS006-48-	MXX	50	80	76,2	3.00	94	3.70	18	261	180	2610	750	29.53	4,02	2.70	40,61	50
EHS006-64-	MXX	50	102	101,6	4.00	122	4.80	18	261	180	2610	1000	39.37	6,22	4.18	40,61	50

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9568 Concord 250 Steam

Construction:

Tube: EPDM

Reinforcement: 2-wire braid

Cover: Pin-pricked EPDM

Operating Temperature:

Maximum Operating +232°C (+450°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- EJ Series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H956808BK	12	12,7	0.50	26,2	1.03	17,2	250	172	2500	0,68	0.46	15,2	50
H95608BK-100*	12	12,7	0.50	26,2	1.03	17,2	250	172	2500	0,68	0.46	30,5	100
H956812BK	19	19,0	0.75	34,0	1.34	17,2	250	172	2500	1,04	0.70	15,2	50
H956812BK-100*	19	19,0	0.75	34,0	1.34	17,2	250	172	2500	1,04	0.70	30,5	100
H956816BK	25	25,4	1.00	39,6	1.56	17,2	250	172	2500	1,43	0.96	15,2	50
H956816BK-100*	25	25,4	1.00	39,6	1.56	17,2	250	172	2500	1,43	0.96	30,5	100

* MTO — Make to order

Steam Service

Specialized Hose

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9682 Concord Steam Oil-Resistant

Construction:

Tube: EPDM

Reinforcement: 2-wire braid

Cover: Pin-pricked, oil-resistant compound

Operating Temperature:

Maximum Operating +232°C (+450°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- EJ Series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H968212BK*	19	19,0	0.75	34,1	1.34	17,2	250	172	2500	1,04	0.70	15,2	50
H968212RD*	19	19,0	0.75	34,1	1.34	17,2	250	172	2500	1,04	0.70	15,2	50

* Items sold as MTO—made to order

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS001 Concord Steam

Construction:

Tube: EPM blend

Reinforcement: High-tensile steel wire

Cover: Pin-pricked EPDM

Operating Temperature:

-40°C to +208°C
(-40°F to +407°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Ship building

Type of Couplings:

- Boss male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHS001-40-	MXX	50	60	63,5	2.50	79,5	3.13	17,2	250	172	2500	2,97	1.99	40-61	50
EHS001-48-	MXX	50	80	76,2	3.00	93,0	3.66	17,2	250	172	2500	3,88	2.61	40-61	50
EHS001-64-	MXX	50	102	101,6	4.00	131,2	5.17	17,2	250	172	2500	6,60	4.43	40-61	50

Steam Service

Specialized Hose

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H6027 200 L. L. Steam

Construction:

Tube: EPDM

Reinforcement: 1-wire braid

Cover: Pin-pricked EPDM

Operating Temperature:

Maximum Operating +197°C (+386°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- EJ Series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H602706	10	9,5	0.38	20,6	0.81	13,8	200	138	2000	0,34	0.23	15,2	50
H602706-350R	10	9,5	0.38	20,6	0.81	13,8	200	138	2000	0,34	0.23	106,7	350
H602708	12	12,7	0.50	23,8	0.94	13,8	200	138	2000	0,43	0.29	15,2	50
H602712	19	19,0	0.75	30,2	1.19	13,8	200	138	2000	0,61	0.41	15,2	50
H602712-350R	19	19,0	0.75	30,2	1.19	13,8	200	138	2000	0,61	0.41	106,7	350

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS004

Textile Steam

ISO 6134-1B—Oil Resistant Cover

Construction:

Tube: EPM

Reinforcement: High-tensile synthetic textile and anti-static wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +165°C
(-40°F to +329°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- Boss male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS004-08-	MXX	50	12	12,7	0.50	25	0.98	6	87	60	870	130	5.12	0,42	0.28	46	50
EHS004-10-	MXX	50	16	15,9	0.62	30	1.18	6	87	60	870	160	6.30	0,60	0.40	46	50
EHS004-12-	MXX	50	19	19,0	0.75	33	1.30	6	87	60	870	190	7.48	0,67	0.45	46,61	50
EHS004-16-	MXX	50	25	25,4	1.00	40	1.57	6	87	60	870	250	9.84	0,86	0.58	46,61	50
EHS004-20-	MXX	50	31	31,8	1.25	48	1.89	6	87	60	870	320	12.60	1,18	0.79	46,61	50
EHS004-24-	MXX	50	38	38,1	1.50	54	2.13	6	87	60	870	380	14.96	1,36	0.91	46,61	50
EHS004-32-	MXX	50	51	50,8	2.00	69	2.72	6	87	60	870	500	19.68	2,00	1.34	46,61	50
EHS004-40-	MXX	50	60	63,5	2.50	81	3.19	6	87	60	870	630	24.80	2,35	1.58	46,61	50
EHS004-48-	MXX	50	80	76,2	3.00	94	3.70	6	87	60	870	750	29.53	2,88	1.94	46,61	50
EHS004-64-	MXX	50	102	101,6	4.00	122	4.80	6	87	60	870	1000	39.37	4,17	2.80	46,61	50

Steam Service

Specialized Hose

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS003

Textile Steam

ISO 6134-1A

Construction:

Tube: EPM

Reinforcement: High-tensile synthetic textile and anti-static wire

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +165°C
(-40°F to +329°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- Boss male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHS003-08-	MXX	50	12	12,7	0.50	25	0.98	6	87	60	870	130	5.12	0,39	0.26	46	50
EHS003-10-	MXX	50	16	15,9	0.62	30	1.18	6	87	60	870	160	6.30	0,56	0.38	46	50
EHS003-12-	MXX	50	19	19,0	0.75	33	1.30	6	87	60	870	190	7.48	0,63	0.42	46,61	50
EHS003-16-	MXX	50	25	25,4	1.00	40	1.57	6	87	60	870	250	9.84	0,81	0.54	46,61	50
EHS003-20-	MXX	50	31	31,8	1.25	48	1.89	6	87	60	870	320	12.60	1,11	0.75	46,61	50
EHS003-24-	MXX	50	38	38,1	1.50	54	2.13	6	87	60	870	380	14.96	1,28	0.86	46,61	50
EHS003-32-	MXX	50	51	50,8	2.00	69	2.72	6	87	60	870	500	19.68	1,89	1.27	46,61	50
EHS003-40-	MXX	50	60	63,5	2.50	81	3.19	6	87	60	870	630	24.80	2,23	1.50	46,61	50
EHS003-48-	MXX	50	80	76,2	3.00	94	3.70	6	87	60	870	750	29.53	2,76	1.86	46,61	50
EHS003-64-	MXX	50	102	101,6	4.00	122	4.80	6	87	60	870	1000	39.37	4,02	2.70	46,61	50

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHS002 Textile Steam

Construction:

Tube: EPM

Reinforcement: High-tensile synthetic textile

Cover: Pin-pricked synthetic rubber

Operating Temperature:

-40°C to +165°C
(-40°F to +329°F)

Application:

- Transfer of steam for processing products and cleaning equipment

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

- Boss male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHS002-08-	MXX	50	12	12,7	0.50	24,0	0.94	7	100	70	1000	0,32	0.22	40,61	50
EHS002-10-	MXX	50	16	15,9	0.62	28,0	1.10	7	100	70	1000	0,46	0.31	40,61	50
EHS002-12-	MXX	50	19	19,0	0.75	31,0	1.22	7	100	70	1000	0,53	0.36	40,61	50
EHS002-16-	MXX	50	25	25,4	1.00	37,0	1.46	7	100	70	1000	0,61	0.41	40,61	50
EHS002-20-	MXX	50	31	31,8	1.25	46,0	1.81	7	100	70	1000	0,94	0.63	40,61	50
EHS002-24-	MXX	50	38	38,1	1.50	53,0	2.09	7	100	70	1000	1,17	0.79	40,61	50
EHS002-28-	MXX	50	45	44,5	1.75	60,0	2.36	7	100	70	1000	1,40	0.94	40,61	50
EHS002-32-	MXX	50	51	50,8	2.00	67,5	2.66	7	100	70	1000	1,75	1.18	40,61	50
EHS002-40-	MXX	50	60	63,5	2.50	81,0	3.19	7	100	70	1000	2,23	1.50	40,61	50
EHS002-48-	MXX	50	80	76,2	3.00	98,0	3.86	7	100	70	1000	3,31	2.23	40,61	50
EHS002-64-	MXX	50	102	101,6	4.00	124,0	4.88	7	100	70	1000	4,44	2.98	40,61	50

Steam Service

Specialized Hose

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H969 Hydrocarbon Drain

Construction:

Tube: Nitrile (RMA Class A)

Reinforcement: 2-wire braid

Cover: Pin-pricked CPE

Operating Temperature:

Maximum Operating +176°C (+350°F)

Application:

- For hydrocarbon drain service

Markets:

- Refining and petrochemical
- Paper industry
- Industrial cleaning markets
- Oil and gas exploration
- Steel
- Ship building

Type of Couplings:

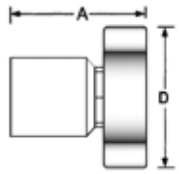
- Boss male
- Ground joint female

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H969012	19	19,0	0.75	34,1	1.31	20,7	300	207	3000	0,89	0.60	15,2	50
H969012-25	19	19,0	0.75	34,1	1.31	20,7	300	207	3000	0,89	0.60	7,6	25

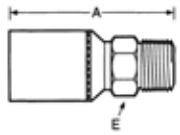
EJ Series Crimp Couplings

Wing Nut Swivel Ground Joint



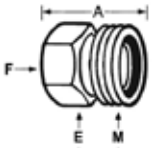
Part Number	Hose I.D.		Thread Size	DIM A		Hole Dia		DIM D	
	mm	in	NPSM	mm	in	mm	in	mm	in
EJ5323-0808S	12,7	0.50	1½ – 11½	72,3	2.85	12,7	0.50	60,5	2.38
EJ5323-1212S	19,1	0.75	1½ – 11½	72,3	2.85	12,7	0.50	90,4	3.56
EJ5323-1216S	25,4	1.00	1½ – 11½	72,3	2.85	12,7	0.50	90,4	3.56

Male Pipe (NPTF) Rigid



Part Number	Hose I.D.		Thread Size	DIM A		Hole Dia		Hex E	
	mm	in	NPTF	mm	in	mm	in	mm	in
EJ5324-0808S	12,7	0.50	1/2 – 14	76,5	3.01	9,1	0.36	22,2	0.875
EJ5324-1212S	19,1	0.75	3/4 – 14	77,8	3.08	15,5	0.61	30,2	1.188
EJ5324-1616S	25,4	1.00	1 – 11½	82,6	3.25	20,6	0.81	34,9	1.375

Female Spud



Part Number	Hose I.D.		Thread Size (M)	Thread Size (F)	DIM A		Hole Dia		Hex E	
	mm	in	NPSM	NPTF	mm	in	mm	in	mm	in
FF91058-08S	12,7	0.50	1½ – 11½	1½ – 14	30,1	1.185	9,1	0.36	50,8	2.00
FF91058-12S	19,1	0.75	1½ – 11½	3/4 – 14	30,1	1.185	15,5	0.61	50,8	2.00
FF91058-16S	23,9	1.00	1½ – 11½	1 – 11½	30,1	1.185	20,6	0.81	50,8	2.00

* NOTE: EJ Series couplings were specifically designed and tested for use with Eaton hoses and wall thicknesses, use on other hose is not recommended.

Assembly Instructions

Step 1

Cut the hose square to the required length using a cut-off wheel. Clean the cut end and hose bore.

Step 2

Mark the end of the hose with the correct insertion depth by size. See Chart.

Step 3

Lubricate the ID of the hose with a water based lubricant such as P-80. You can also utilize a 5% dish soap/95% water mixture.

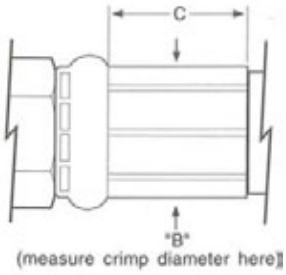
Step 4

Insert the fitting into the hose. Twist the fitting while inserting to help with spreading the lubricant and easier insertion.

Be sure the fitting is fully inserted by checking the end of the socket is aligned with the insertion depth mark on the hose.

Step 5

Crimp the hose to the specifications found in Chart. Measure the crimp diameter in 3 locations utilizing calipers and take the average to verify that the crimp is within the specified range. Also verify that the insertion depth mark on the hose is still at the end of the socket and that the hose has not pulled off of the fitting during the crimping process.



Hose Dash Size	Fitting Insertion Depth	Crimp Diameter "B"	Crimp Position "C"
		±0.12 mm ±0.005 in	±0.75 mm ±0.030 in
Steam Slayer Hose: EH080, EH081, EH084			
-08	34,7 mm 1.37 in	30,23 mm 1.190 in	32,39 mm 1.275 in
-12	35,5 mm 1.40 in	35,94 mm 1.415 in	32,39 mm 1.275 in
-16	34,7 mm 1.37 in	41,40 mm 1.630 in	32,39 mm 1.275 in
Concord 250 Hose: H9568			
-08	34,7 mm 1.37 in	30,23 mm 1.190 in	32,39 mm 1.275 in
-12	35,5 mm 1.40 in	35,94 mm 1.415 in	32,39 mm 1.275 in
-16	34,7 mm 1.37 in	41,78 mm 1.645 in	32,39 mm 1.275 in

None of the hoses listed are to be used as a pressure washer hose.

MTO (Made-to-Order) – Contact Eaton at 800-833-3837 for availability, minimum run quantity, and ordering information.

Steam applications are hazardous to both personnel and equipment. These hazards are due to the high pressures and temperatures of steam conveyance. Hot water, low pressure steam and high pressure steam can cause severe scalding or bodily injury. Operators should use extreme caution to avoid burns. Eaton understands the importance of utilizing quality products that provide maximum safety, especially when it comes to steam application, **safety always comes first.**

Steam Service

Eaton Steam Hose Assemblies

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

FK6496 & FK6500 Eaton Steam Hose Assemblies

Losses from a leaking steam system can cost in many ways. Personal safety, procurement, maintenance, and premature product replacement can all affect the bottom line. Eaton's new steam hose assembly system with our "New" Steam Slayer hose and the EJ series fitting offer a matched engineered assembly that was tested for over 2000 hours without any leakage.

This new matched assembly will also reduce the affects of static electric discharge. These new assemblies not only reduce maintenance cost, but also reduce operator's exposure to hazardous situations. Be sure to choose a matched hose and fitting engineered system designed specifically for steam applications.

50' Steam Hose Assemblies

Base # FK6496

A – Male Pipe

B – Wing Nut Swivel Ground Joint

Base # FK6500

A – Male Pipe

B – Wing Nut Swivel Ground Joint

Part Number	Hose I.D. (mm)	Hose I.D. (in)	End "A" Male Pipe	End "B" Wing Nut Female Swivel	Hose
FK6496HHH6000	13,0	1/2	- 8	- 8	EH08408 Steam Slayer™
FK6496KKK6000	19,1	3/4	-12	-12	EH08412 Steam Slayer™
FK6496MMK6000	25,4	1	-16	-12	EH08416 Steam Slayer™
FK6500HHH6000	12,7	1/2	- 8	- 8	H956808 Concord 250
FK6500KKK6000	19,1	3/4	-12	-12	H956812 Concord 250
FK6500MMK6000	25,4	1	-16	-12	H956816 Concord 250

Thermoplastic

Specialized Hose

Thermoplastic

Introduction and Safety Information

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.

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.

Thermoplastic Hose Safety Information

Important!

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.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHT305 & EHT306 Flame Resistant MSHA Flat Delivery

Construction:

Tube: Flame resistant PVC/NBR lining

Reinforcement: High-tensile synthetic textile

Cover: Flame resistant PVC

Operating Temperature:

-5°C to +60° C
(+23°F to +140°F)

Application:

- Dewatering in mines and quarries

Markets:

- Mining

Type of Couplings:

- Cam and groove
- Combination nipples

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHT305-24RD-	M100	300	38	38,1	1.50	10	145	30	435	0,33	0.22	100	300
EHT305-32RD-	M100	300	51	50,8	2.00	10	145	30	435	0,51	0.34	100	300
EHT305-40RD-	M100	300	60	63,5	2.50	10	145	30	435	0,75	0.50	100	300
EHT306-24RD-	M100	300	38	38,1	1.50	14	203	42	609	0,37	0.25	100	300
EHT306-32RD-	M100	300	51	50,8	2.00	14	203	42	609	0,54	0.36	100	300
EHT306-32RD-	M100	300	60	63,5	2.50	14	203	42	609	0,77	0.52	100	300

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHT303 Medium Duty Discharge

Construction:

Tube: PVC/NBR lining

Reinforcement: High-tensile synthetic textile

Cover: PVC

Operating Temperature:

-5°C to +60° C
(+23°F to +140°F)

Application:

- Medium duty discharge of water in agriculture and industry

Markets:

- Agriculture
- Industry

Type of Couplings:

- Cam and groove
- Combination nipples

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHT303M20RD-	M100	N/A		20,0	0.79	10,0	145	30,0	435	0,16	0.11	50,100	N/A
EHT303-16RD-	M100	N/A	25	25,4	1.00	10,0	145	30,0	435	0,20	0.13	50,100	N/A
EHT303-19RD-	M100	N/A	- -	30,0	1.18	10,0	145	30,0	435	0,23	0.15	50,100	N/A
EHT303-20RD-	M100	N/A	31	31,8	1.25	9,0	130	28,0	400	0,24	0.16	50,100	N/A
EHT303-22RD-	M100	N/A	- -	35,0	1.38	8,0	115	24,0	350	0,28	0.19	50,100	N/A
EHT303-24RD-	M100	300	38	38,1	1.50	8,0	115	24,0	350	0,30	0.20	50,100	300
EHT303-25RD-	M100	N/A	- -	40,0	1.57	8,0	115	24,0	350	0,33	0.22	50,100	N/A
EHT303-28RD-	M100	N/A	- -	45,0	1.77	8,0	115	24,0	350	0,36	0.24	50,100	N/A
EHT303-32RD-	M100	300	51	50,8	2.00	8,0	115	24,0	350	0,41	0.28	50,100	300
EHT303-35RD-	M100	N/A	- -	55,0	2.17	8,0	115	24,0	350	0,49	0.33	50,100	N/A
EHT303-38RD-	M100	N/A	- -	60,5	2.38	8,0	115	24,0	350	0,54	0.36	50,100	N/A
EHT303-40RD-	M100	300	60	63,5	2.50	8,0	115	24,0	350	0,57	0.38	50,100	300
EHT303-44RD-	M100	N/A	- -	70,0	2.76	7,0	100	21,0	305	0,62	0.42	50,100	N/A
EHT303-48RD-	M100	300	80	76,2	3.00	7,0	100	21,0	305	0,69	0.46	50,100	300
EHT303-51RD-	M100	N/A	- -	81,0	3.19	7,0	100	21,0	305	0,74	0.50	50,100	N/A
EHT303M84RD-	M100	N/A	- -	84,0	3.31	7,0	100	21,0	305	0,77	0.52	50,100	N/A
EHT303-56RD-	M100	N/A	- -	90,0	3.54	7,0	100	21,0	305	0,87	0.58	50,100	N/A
EHT303-64RD-	M100	300	102	101,6	4.00	7,0	100	21,0	305	1,00	0.67	50,100	300
EHT303-69RD-	M100	N/A	- -	110,0	4.33	7,0	100	21,0	305	1,15	0.77	50,100	N/A
EHT303-80RD-	M100	N/A	130	127,0	5.00	6,0	90	18,0	260	1,35	0.91	50,100	300
EHT303-96RD-	M50	150	150	152,4	6.00	4,0	60	12,1	175	1,65	1.11	50	150
EHT303-128RD-	M50	150	200	203,2	8.00	2,5	35	7,5	110	2,30	1.55	50	150

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHT301 Light Duty Discharge

Construction:

Tube: PVC lining

Reinforcement: High-tensile synthetic textile

Cover: PVC

Operating Temperature:

-5°C to +60° C
(+23°F to +140°F)

Application:

- Light duty discharge of water in agriculture and industry

Markets:

- Agriculture
- Industry

Type of Couplings:

- Cam and groove
- Combination nipples

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHT301-20BU-	M100	N/A	31	31,8	1.25	5,0	75	14	200	0,18	0.12	50,100	N/A
EHT301-24BU-	M100	300	38	38,1	1.50	4,0	60	12	175	0,21	0.14	50,100	300
EHT301-32BU-	M100	300	51	50,8	2.00	4,0	60	12	175	0,28	0.19	50,100	300
EHT301-38BU-	M100	N/A	- -	60,5	2.38	3,5	50	10	145	0,33	0.22	50,100	N/A
EHT301-40BU-	M100	300	60	63,5	2.50	3,5	50	10	145	0,36	0.24	50,100	300
EHT301-48BU-	M100	300	80	76,2	3.00	3,5	50	10	145	0,42	0.28	50,100	300
EHT301-51BU-	M100	N/A	- -	81,0	3.19	3,0	45	8	115	0,46	0.31	50,100	N/A
EHT301-64BU-	M100	300	102	101,6	4.00	3,0	45	8	115	0,60	0.40	50,100	300
EHT301-96BU-	M50	150	150	152,4	6.00	2,5	40	7	100	1,20	0.81	50	150

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHT005 Medium Duty Suction and Discharge

Construction:
Tube: PVC spiral
Cover: PVC

Operating Temperature:
-5°C to +60° C
(+23°F to +140°F)

Application:
- For medium-duty suction and delivery of water, salt water, light chemicals

Markets:
- Agriculture
- Industry
- Construction

Type of Couplings:
- Cam & Groove
- Combination nipples

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in			bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHT005-12GN-	MXX	150	19	19,0	0.75	32	464	130	5.12	88,0	26	0,36	0.24	30,50	150
EHT005-16GN-	MXX	150	25	25,4	1.00	28	406	140	5.51	88,0	26	0,48	0.32	30,50	150
EHT005-19GN-	MXX	N/A	- -	30,0	1.18	24	348	145	5.71	88,0	26	0,55	0.37	30,50	N/A
EHT005-20GN-	MXX	150	31	31,8	1.25	24	348	150	5.91	88,0	26	0,58	0.39	30,50	150
EHT005-22GN-	MXX	N/A	- -	35,0	1.38	24	348	160	6.30	88,0	26	0,64	0.43	30,50	N/A
EHT005-24GN-	MXX	150	38	38,1	1.50	24	348	180	7.09	88,0	26	0,67	0.45	30,50	150
EHT005-25GN-	MXX	N/A	- -	40,0	1.57	24	348	190	7.48	88,0	26	0,70	0.47	30,50	N/A
EHT005-28GN-	MXX	N/A	- -	45,0	1.77	22	319	200	7.87	88,0	26	0,87	0.58	30,50	N/A
EHT005-32GN-	MXX	150	51	50,8	2.00	22	319	220	8.66	88,0	26	0,98	0.66	30,50	150
EHT005-35GN-	MXX	N/A	- -	55,0	2.17	20	290	250	9.84	88,0	26	1,08	0.73	30,50	N/A
EHT005-38GN-	MXX	N/A	- -	60,0	2.36	20	290	290	11.42	88,0	26	1,25	0.84	30,50	N/A
EHT005-40GN-	MXX	150	60	63,5	2.50	20	290	300	11.81	88,0	26	1,35	0.91	30,50	150
EHT005-44GN-	MXX	N/A	- -	70,0	2.76	18	261	350	13.78	88,0	26	1,58	1.06	30,50	N/A
EHT005-48GN-	MXX	150	80	76,2	3.00	18	261	380	14.96	88,0	26	1,70	1.14	30,50	150
EHT005M80GN-	MXX	N/A	- -	80,0	3.15	15	218	400	15.75	88,0	26	1,80	1.21	20,30	N/A
EHT005-56GN-	MXX	N/A	- -	90,0	3.54	15	218	440	17.32	77,9	23	2,10	1.41	20,30	N/A
EHT005-64GN-	MXX	150	102	101,6	4.00	14	203	490	19.29	77,9	23	2,60	1.74	20,30	150
EHT005-69GN-	MXX	N/A	- -	110,0	4.33	13	189	540	21.26	77,9	23	2,90	1.95	20,30	N/A
EHT005-76GN-	MXX	N/A	- -	120,0	4.72	13	189	660	25.98	67,7	20	3,20	2.15	20,30	N/A
EHT005-80GN-	MXX	N/A	- -	127,0	5.00	12	174	690	27.17	67,7	20	3,65	2.45	20,30	N/A
EHT005-96GN-	MXX	30	150	152,4	6.00	11	160	800	31.50	67,7	20	5,10	3.43	20,30	30
EHT005-128GN-	MXX	N/A	- -	203,0	8.00	9	131	1250	49.21	57,6	17	7,85	5.28	10	N/A

* Product also available in CL-Clear, GY-Gray, OG-Olive Green

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHT453, EHT454 & EHT455

Agricultural Spray

Construction:

Tube: PVC

Reinforcement: High-tensile synthetic textile

Cover: PVC

Operating Temperature:

-10°C to +60°C
(+14°F to +140°F)

Application:

- Spraying pesticides and fertilizers

Markets:

- Agriculture

Type of Couplings:

- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHT453-05XX-	M150		8	7,9	0.31	14,0	0.55	50	725	150	2175	0,15	0.10	30,150	
EHT453-06XX-	M150		10	9,5	0.38	17,0	0.67	50	725	150	2175	0,20	0.13	30,150	
EHT453-08XX-	M150		12	12,7	0.50	20,0	0.79	50	725	150	2175	0,27	0.18	30,150	
EHT454-05XX-	M150		8	7,9	0.31	15,0	0.59	80	1160	240	3480	0,18	0.12	30,150	
EHT454-06XX-	M150		10	9,5	0.38	18,0	0.71	80	1160	240	3480	0,24	0.16	30,150	
EHT454-08XX-	M150		12	12,7	0.50	21,0	0.73	80	1160	240	3480	0,31	0.21	30,150	
EHT455-05XX-	M150		8	7,9	0.31	15,0	0.59	100	1450	300	4350	0,19	0.12	30,150	
EHT455-06XX-	M150		10	9,5	0.38	18,0	0.71	100	1450	300	4350	0,25	0.16	30,150	
EHT455-08XX-	M150		12	12,7	0.50	21,0	0.73	100	1450	300	4350	0,32	0,22	30,150	

* XX represents color options — BK is black, RD is red, YW is yellow, OR is orange and BU is blue

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHT451 & EHT452 Agricultural Spray

Construction:

Tube: PVC

Reinforcement: High-tensile synthetic textile

Cover: PVC

Operating Temperature:

-10°C to +60°C
(+14°F to +140°F)

Application:

- Spraying pesticides and fertilizers

Markets:

- Agriculture

Type of Couplings:

- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHT451-05XX-	150		8	7,9	0.31	13,0	0.51	20	290	60	870	0,12	0.08	30,150	
EHT451-06XX-	150		10	9,5	0.38	15,0	0.59	20	290	60	870	0,14	0.09	30,150	
EHT451-08XX-	150		12	12,7	0.50	19,0	0.75	20	290	60	870	0,22	0.15	30,150	
EHT451-10XX-	100		16	15,9	0.62	23,0	0.91	20	290	60	870	0,29	0.19	20,100	
EHT451-12XX-	100		19	19,0	0.75	26,0	1.02	20	290	60	870	0,35	0.24	20,100	
EHT451-16XX-	50		25	25,4	1.00	33,5	1.32	20	290	60	870	0,53	0.36	20,50	
EHT452-05XX-	150		8	7,9	0.31	14,0	0.55	40	580	120	1740	0,14	0.09	30,150	
EHT452-06XX-	150		10	9,5	0.38	16,0	0.63	40	580	120	1740	0,18	0.12	30,150	
EHT452-08XX-	150		12	12,7	0.50	20,0	0.79	40	580	120	1740	0,28	0.18	30,150	
EHT452-10XX-	100		16	15,9	0.62	24,0	0.94	40	580	120	1740	0,35	0.24	20,100	
EHT452-12XX-	100		19	19,0	0.75	28,0	1.10	40	580	120	1740	0,46	0.31	20,100	
EHT452-16XX-	50		25	25,4	1.00	35,0	1.38	40	580	120	1740	0,64	0.43	20,50	

* XX represents color options — BK is black, RD is red, YW is yellow, BU is blue, OR is orange, and WH is white

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H265 ULTRAFORCE™

Construction:

Tube: Modified vinyl

Reinforcement: 2-spiral fiber

Cover: Pin-pricked modified rubber

Operating Temperature:

-23°C to +65°C
(-10°F to +150°F)

Application:
- Transfer of air and water
- Air tools
- Lubricated air

Markets:
- Construction
- Mining
- General industry
- In-plant air service
- Food processing

Type of Couplings:
- "E" Series
- "P" Series
- "Z" Series
- Barbed inserts
- Quick acting or long shank

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H26504BU-		600R	6	6,4	0.25	12,7	0.50	24,0	350	97	1400	0,13	0.09		600
H26506BU-		600R	10	9,5	0.38	16,3	0.64	24,0	350	97	1400	0,18	0.12		600
H26508BU-		500R	12	12,7	0.50	19,8	0.78	20,7	300	83	1200	0,25	0.17		500
H26510BU-		500R	16	15,9	0.62	22,2	0.87	17,2	250	70	1000	0,30	0.20		500
H26512BU-		500R	19	19,0	0.75	26,9	1.06	17,2	250	70	1000	0,39	0.26		500
H26516BU-		200R	25	25,4	1.00	33,3	1.31	13,8	200	55	800	0,52	0.35		200
H26520BU-		100	31	31,8	1.25	42,9	1.69	10,5	150	41	600	0,91	0,61		100
H26524BU-		100	38	38,1	1.50	49,2	1.94	10,5	150	41	600	1,09	0.73		100
H26532BU-		100	51	50,8	2.00	63,5	2.50	8,5	125	35	500	1,56	1.05		100

* Additional colors available ** Additional lengths available on select items

Thermoplastic

Specialized Hose

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H275 POLYFORCE™ II

Construction:

Tube: PVC

Reinforcement: 2-spiral fiber

Cover: Pin-pricked PVC

Operating Temperature:

-23°C to +65°C
(-10°F to +150°F)

Application:

- Transfer of air and water
- Air tools
- Lubricated air

Markets:

- Construction
- Mining
- General industry
- In-plant air service
- Food processing

Type of Couplings:

- "E" Series
- "P" Series
- "Z" Series
- Barbed inserts
- Quick acting or long shank

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H27504RD-*		600R	6	6,4	0.25	12,7	0.50	17,2	250	70	1000	0,10	0.07		600
H27506RD-*		600R	10	9,5	0.38	15,9	0.62	17,2	250	70	1000	0,18	0.12		600
H27508RD-*		500R	12	12,7	0.50	19,1	0.75	17,2	250	70	1000	0,22	0.15		500
H27510RD-		500R	16	15,9	0.62	22,6	0.89	17,2	250	70	1000	0,28	0.19		500
H27512RD-		500R	19	19,0	0.75	26,2	1.03	17,2	250	70	1000	0.34	0.23		500
H27516RD-		200R	25	25,4	1.00	33,3	1.31	13,8	200	55	800	0,51	0.34		200
H27520RD-		100	31	31,8	1.25	42,9	1.69	13,8	200	55	800	0,77	0.52		100
H27524RD-		100	38	38,1	1.50	49,2	1.94	13,8	200	55	800	0,91	0.61		100
H27532RD-		100	51	50,8	2.00	63,5	2.50	8,5	125	26	375	1.35	0.91		100

* Additional colors available ** Additional lengths available on select items

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H285 CLEARFORCE™–R

Construction:

Tube: Clear PVC

Reinforcement: 2-spiral fiber

Cover: Clear PVC

Operating Temperature:

-26°C to +66° C
(-15°F to +150°F)

Application:

- For food and beverage dispensing
- For spraying and conveying fertilizer and pesticides

Markets:

- Food processing
- Agriculture
- In-plant service

Type of Couplings:

- "E" Series
- 265 "P" Series
- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H28503-		300	5	4,8	0.19	9,5	0.37	17,2	250	70,0	1000	0,07	0.05		300
H28504-		300	6	6,4	0.25	11,3	0.44	17,2	250	70,0	1000	0,09	0.06		300
H28505-		300	8	7,9	0.31	13,5	0.53	17,2	250	70,0	1000	0,11	0.08		300
H28506-		300	10	9,5	0.38	15,1	0.59	15,5	225	62,0	900	0,14	0.09		300
H28508-		300	12	12,7	0.50	19,1	0.75	13,8	200	55,0	800	0,19	0.13		300
H28510-		300	16	15,9	0.62	22,2	0.87	13,8	200	55,0	800	0,23	0.15		300
H28512-		300	19	19,0	0.75	26,2	1.03	10,5	150	41,0	600	0,29	0.20		300
H28516-		200	25	25,4	1.00	33,3	1.31	8,5	125	35,0	500	0,42	0.28		200
H28520-		100	31	31,8	1.25	42,9	1.69	7	100	28,0	400	0,76	0.51		100
H28524-		100	38	38,1	1.50	49,2	1.94	7	100	28,0	400	0,88	0.60		100
H28532-		100	51	50,8	2.00	63,5	2.50	5	75	20,7	300	1,27	0.85		100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H160 CLEARFORCE™—NR

Construction:
Tube: Clear PVC
Cover: Clear PVC

Operating Temperature:
-10°C to +66°C
(-15°F to +150°F)

Application:
- For food and beverage dispensing

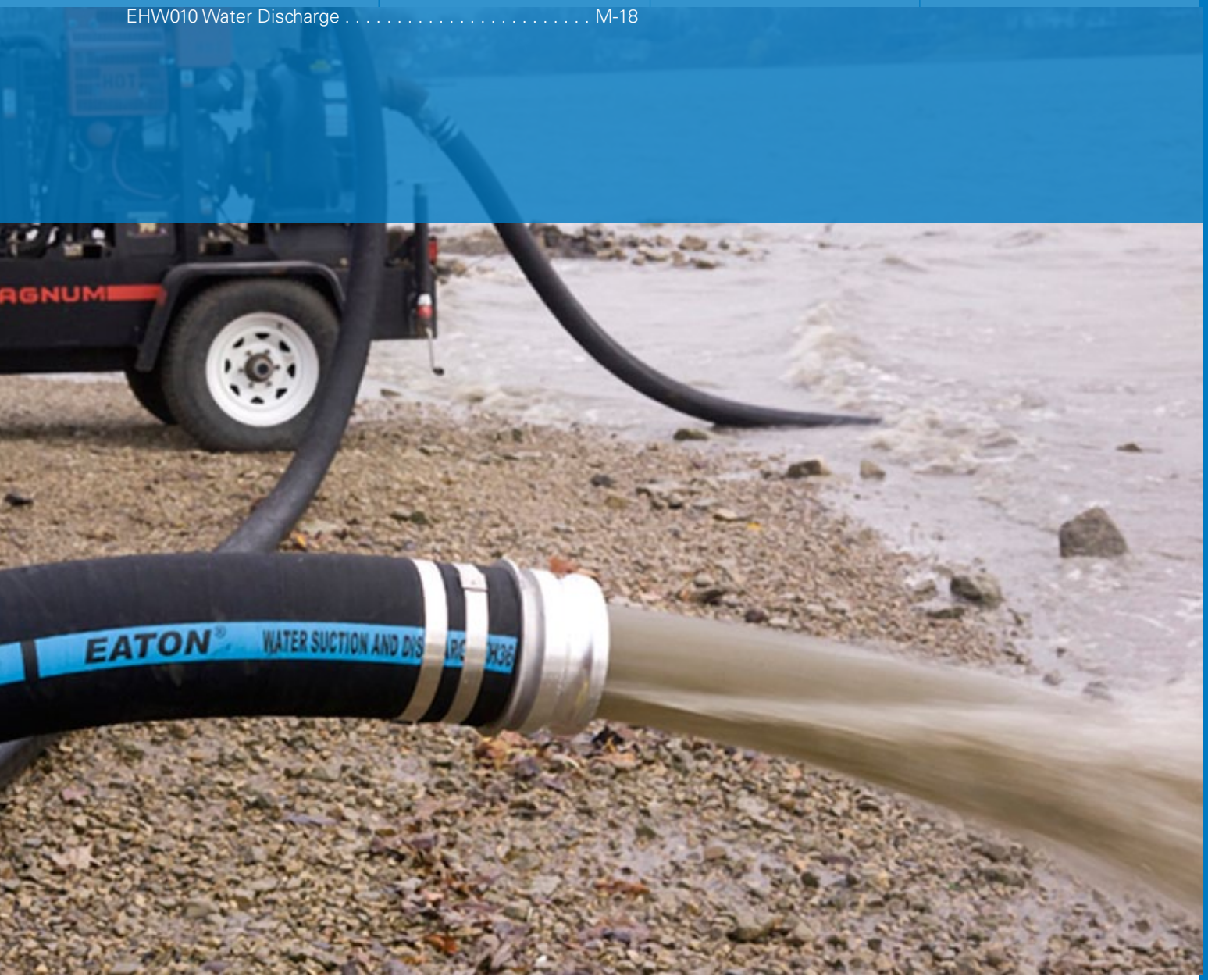
Markets:
- Food processing
- In-plant service

Type of Couplings:
- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Operating Pressure		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	mtr	ft
H160204-		100	3	3,2	0.12	6,4	0.25	4,5	65		100
H160305-		100	5	4,8	0.19	7,9	0.31	3,9	55		100
H160406-		100	6	6,5	0.25	9,5	0.38	3,9	55		100
H160408-		100	6	6,5	0.25	12,7	0.50	4,0	60		100
H160507-		100	8	7,9	0.31	11,1	0.44	3,5	50		100
H160608-		100	10	9,5	0.38	12,7	0.50	3,0	45		100
H160609-		100	10	9,5	0.38	14,3	0.56	3,4	50		100
H160610-		100	10	9,5	0.38	15,9	0.62	3,9	55		100
H160810-		100	12	12,7	0.50	15,9	0.62	2,0	30		100
H160811-		100	12	12,7	0.50	17,3	0.68	2,8	40		100
H160812-		100	12	12,7	0.50	19,1	0.75	3,0	45		100
H161013-		100	16	15,9	0.62	20,6	0.81	2,5	35		100
H161014-		100	16	15,9	0.62	22,2	0.87	2,8	40		100
H161216-		100	19	19,0	0.75	25,4	1.00	2,5	35		100
H161418-		100	22	22,2	0.88	28,6	1.13	2,0	30		100
H161620-		100	25	25,4	1.00	31,8	1.25	1,7	25		100
H162024-		100	31	31,8	1.25	38,1	1.50	1,3	20		100
H162430-		100	38	38,1	1.50	47,6	1.87	1,7	25		100
H162432-		100	38	38,1	1.50	50,1	1.97	2,5	35		100
H163240-		100	51	50,8	2.00	63,5	2.50	2,5	35		100

Water



Water Hose

Introduction and Safety Information

Job Related Construction Service

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

Pressure and Vacuum Rated

- Eaton manufactures braided and spiral hoses using the latest technology in wire and synthetic yarns. As a result, Eaton hoses are pressure and vacuum resistant, as well as flexible and easy to handle.

Quality Assured

- Value through design and quality control assures you of maximum performance from Eaton products.

Water Suction and Discharge Hose Safety Information

Important!

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: 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.

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.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW030 OTTER™ PLUS Water Suction and Discharge

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile with dual helical wires

Cover: EPDM

Operating Temperature:

-40°C to +100°C
(-40°F to +212°F)

Application:

- Pumping, suction, and discharge of water, mud and slurries
- Diluted agricultural fertilizers
- Convey water
- Transfer and haul salt water (brine)

Markets:

- Agriculture
- Construction
- Equipment rental
- Mining
- Ship building
- Oil and gas exploration
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW030-12-	MXX	100	19	19,1	0.75	29,4	1.16	17,2	250	70	1000	90	3.54	100	30	0,57	0.38	40-61	100-150
EHW030-16-	MXX	100	25	25,4	1.00	38,1	1.49	17,2	250	70	1000	100	3.94	100	30	0,88	0.59	40-61	100-150
EHW030-24-	MXX	100	38	38,1	1.50	52,4	2.06	20,7	300	83	1200	150	5.91	100	30	1,54	1.04	40-61	100-150
EHW030-32-	MXX	100	51	50,8	2.00	65,0	2.56	20,7	300	83	1200	200	7.87	100	30	1,98	1.33	40-61	100-150
EHW030-40-	MXX	100	60	63,5	2.50	81,0	3.19	20,7	300	83	1200	250	9.84	100	30	2,98	2.00	40-61	100-150
EHW030-48-	MXX	100	80	76,2	3.00	93,7	3.69	20,7	300	83	1200	300	11.81	100	30	3,63	2.44	40-61	100-150
EHW030-64-	MXX	100	102	101,6	4.00	123,0	4.84	20,7	300	83	1200	400	15.75	100	30	5,49	3.69	40-61	100-150
EHW030-80-	MXX	100	130	127,0	5.00	146,0	5.76	17,2	250	70	1000	580	22.83	100	30	6,32	4.25	30	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW009 Heavy Duty Water Suction and Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile and dual steel helical wire

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For suction and discharge of water

Markets:

- Construction
- Industrial

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW009-12-	MXX	100	19	19,0	0.75	29,0	1.14	17,2	250	52	750	75	2.95	94,8	28	0,57	0.38	40-61	100
EHW009-16-	MXX	100	25	25,4	1.00	35,0	1.38	17,2	250	52	750	100	3.94	94,8	28	0,72	0.48	40-61	100
EHW009-20-	MXX	100	31	31,8	1.25	42,0	1.65	17,2	250	52	750	130	5.12	94,8	28	0,92	0.62	40-61	100
EHW009-24-	MXX	100	38	38,1	1.50	50,0	1.97	17,2	250	52	750	160	6.30	94,8	28	1,34	0.90	40-61	100
EHW009-28-	MXX	100	45	44,5	1.75	57,5	2.26	17,2	250	52	750	195	7.68	94,8	28	1,74	1.17	40-61	100
EHW009-32-	MXX	100	51	50,8	2.00	64,0	2.52	17,2	250	52	750	240	9.45	94,8	28	1,92	1.29	40-61	100
EHW009-40-	MXX	100	60	63,5	2.50	76,5	3.01	17,2	250	52	750	300	11.81	94,8	28	2,47	1.66	40-61	100
EHW009-44-	MXX	100	70	70,0	2.75	84,0	3.31	17,2	250	52	750	340	13.39	94,8	28	2,79	1.87	40-61	100
EHW009-48-	MXX	100	80	76,2	3.00	90,0	3.54	17,2	250	52	750	380	14.96	94,8	28	3,05	2.05	40-61	100
EHW009-64-	MXX	100	102	101,6	4.00	118,0	4.65	17,2	250	52	750	525	20.67	94,8	28	4,86	3.26	40-61	100
EHW009-80-	MXX	100	130	127,0	5.00	144,0	5.67	17,2	250	52	750	700	27.56	80,0	24	6,34	4.26	40-61	100
EHW009-96-	MXX	100	150	152,4	6.00	173,0	6.81	17,2	250	52	750	850	33.46	80,0	24	9,39	6.31	40-61	100
EHW009-128-	MXX	20	200	203,2	8.00	228,0	8.98	17,2	250	52	750	1250	49.21	80,0	24	14,88	10.00	20-40	20
EHW009-160-	MXX	20	250	254,0	10.00	284,0	11.18	17,2	250	52	750	1650	64.96	80,0	24	20,76	13.95	10	20
EHW009-192-	MXX	20	305	304,8	12.00	339,0	13.35	17,2	250	52	750	2100	82.68	80,0	24	28,48	19.14	10	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0364 OTTER™ Water Suction and Discharge

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: EPDM

Operating Temperature:

-23°C to +82°C
(-10°F to +180°F)

Application:

- Pumping, suction, and discharge of water, mud, and slurries
- Diluted agricultural fertilizers
- Convey water
- Transfer and haul salt water (brine)

Markets:

- Agriculture
- Construction
- Equipment rental
- Mining
- Ship building
- Oil and gas exploration
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H036420-	MXX	100	31	31,8	1.25	42,0	1.65	10,5	150	31,5	450	110	4.33	94,8	28	0,86	0.58	40-61	50,100
H036424-	MXX	100	38	38,1	1.50	48,0	1.89	10,5	150	31,5	450	135	5.31	94,8	28	1,09	0.73	40-61	50,100
H036432-	MXX	100	51	50,8	2.00	62,0	2.44	10,5	150	31,5	450	200	7.87	94,8	28	1,63	1.10	40-61	50,100
H036440-	MXX	100	60	63,5	2.50	75,0	2.95	10,5	150	31,5	450	270	10.63	94,8	28	2,07	1.39	40-61	50,100
H036448-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31,5	450	340	13.39	94,8	28	2,69	1.81	40-61	100
H036464-	MXX	100	102	101,6	4.00	115,0	4.53	10,5	150	31,5	450	450	17.72	80	24	3,72	2.50	40-61	50,100
H036480-	MXX	100	130	127,0	5.00	142,0	5.59	10,5	150	31,5	450	572	22.52	80	24	5,32	3.57	40-61	100
H036496-	MXX	20	150	152,4	6.00	168,0	6.61	10,5	150	31,5	450	700	27.56	80	24	6,98	4.69	20-40	20,25
H03648A-	MXX	20	200	203,2	8.00	225,0	8.86	10,5	150	31,5	450	1100	43.31	80	24	12,84	8.62	10	20,25

*Additional lengths available on select sizes

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW014 Channeled Water Suction and Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile and helical steel wire

Cover: Channeled synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Applications:

- Pumping, suction, and discharge of water
- Convey water

Markets:

- Construction
- Equipment rental
- Mining
- Ship building
- Oil and gas exploration
- Tank truck

Type of Couplings

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW014-12-	MXX	100	19	19,0	0.75	29	1.14	10,5	150	31	450	40	1.57	94,8	28	0,51	0.34	40-61	100
EHW014-16-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	31	450	50	1.97	94,8	28	0,70	0.47	40-61	100
EHW014-20-	MXX	100	31	31,8	1.25	42	1.65	10,5	150	31	450	65	2.56	94,8	28	0,89	0.60	40-61	100
EHW014-24-	MXX	100	38	38,1	1.50	48	1.89	10,5	150	31	450	85	3.35	94,8	28	1,04	0.70	40-61	100
EHW014-32-	MXX	100	51	50,8	2.00	62	2.44	10,5	150	31	450	120	4.72	94,8	28	1,45	0.97	40-61	100
EHW014-40-	MXX	100	60	63,5	2.50	75	2.95	10,5	150	31	450	160	6.30	94,8	28	1,94	1.30	40-61	100
EHW014-48-	MXX	100	80	76,2	3.00	90	3.54	8,5	125	26	375	190	7.48	94,8	28	2,61	1.75	40-61	100
EHW014-64-	MXX	100	102	101,6	4.00	117	4.61	8,5	125	26	375	280	11.02	94,8	28	3,90	2.62	40-61	100
EHW014-80-	MXX	100	130	127,0	5.00	146	5.75	8,5	125	26	375	350	13.78	80,0	24	6,40	4.30	40-61	100
EHW014-96-	MXX	100	150	152,4	6.00	170	6.69	8,5	125	26	375	550	21.65	80,0	24	7,00	4.71	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW013 Corrugated Water Suction & Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: Corrugated synthetic rubber with cuffed ends

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Applications:

- For water suction and discharge in agricultural, industrial and construction

Markets:

- Construction
- Agriculture
- Industrial

Type of Couplings

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Cuffed End Length		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	cm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW013-16-	M6	20	25	25,4	1.00	10	3.94	3,5	50	10,5	150	0,64	0.43	6	20
EHW013-20-	M6	20	31	31,8	1.25	12	4.72	3,5	50	10,5	150	0,87	0.58	6	20
EHW013-24-	M6	20	38	38,1	1.50	12	4.72	3,5	50	10,5	150	1,09	0.73	6	20
EHW013-28-	M6	20	45	44,5	1.75	12	4.72	3,5	50	10,5	150	1,34	0.90	6	20
EHW013-32-	M6	20	51	50,8	2.00	12	4.72	3,5	50	10,5	150	1,40	0.94	6	20
EHW013-40-	M6	20	60	63,5	2.50	12	4.72	3,5	50	10,5	150	2,09	1.41	6	20
EHW013-44-	M6	20	70	70,0	2.75	12	4.72	3,5	50	10,5	150	2,43	1.63	6	20
EHW013-48-	M6	20	80	76,2	3.00	12	4.72	3,5	50	10,5	150	2,66	1.79	6	20
EHW013-64-	M6	20	102	101,6	4.00	12	4.72	3,5	50	10,5	150	3,54	2.38	6	20
EHW013-80-	M6	20	130	127,0	5.00	15	5.91	3,5	50	10,5	150	5,47	3.68	6	20
EHW013-96-	M6	20	150	152,4	6.00	15	5.91	3,5	50	10,5	150	6,97	4.68	6	20
EHW013-128-	M6	20	200	203,2	8.00	15	5.91	3,5	50	10,5	150	9,25	6.22	6	20
EHW013-160-	M6	20	250	254,0	10.00	15	5.91	3,5	50	10,5	150	15,93	10.71	6	20
EHW013-192-	M6	20	305	304,8	12.00	15	5.91	3,5	50	10,5	150	18,92	12.72	6	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW005 Flat Corrugated Water Suction & Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For suction and discharge of water

Markets:

- Construction
- Industrial
- Agricultural

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW005-12-	MXX	100	19	19,0	0.75	27,0	1.06	10,5	150	31	450	50	1.97	94,8	28	0,44	0.30	40-61	100
EHW005-16-	MXX	100	25	25,4	1.00	34,0	1.34	10,5	150	31	450	65	2.56	94,8	28	0,61	0.41	40-61	100
EHW005-20-	MXX	100	31	31,8	1.25	41,0	1.61	10,5	150	31	450	80	3.15	94,8	28	0,81	0.54	40-61	100
EHW005-24-	MXX	100	38	38,1	1.50	47,0	1.85	10,5	150	31	450	100	3.94	94,8	28	0,92	0.62	40-61	100
EHW005-32-	MXX	100	51	50,8	2.00	61,0	2.40	10,5	150	31	450	140	5.51	94,8	28	1,44	0.97	40-61	100
EHW005-40-	MXX	100	60	63,5	2.50	74,0	2.91	10,5	150	31	450	175	6.89	94,8	28	1,78	1.20	40-61	100
EHW005-48-	MXX	100	80	76,2	3.00	88,0	3.46	10,5	150	31	450	250	9.84	94,8	28	2,30	1.55	40-61	100
EHW005-64-	MXX	100	102	101,6	4.00	115,0	4.53	10,5	150	31	450	350	13.78	94,8	28	3,74	2.51	40-61	100
EHW005-80-	MXX	100	130	127,0	5.00	143,0	5.63	10,5	150	31	450	440	17.32	80,0	24	5,74	3.86	40-61	100
EHW005-96-	MXX	100	150	152,4	6.00	169,0	6.65	10,5	150	31	450	600	23.62	80,0	24	7,40	4.97	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EH360 Water Suction and Discharge

Construction:

Tube: Synthetic rubber blend

Reinforcement: Textile and a single steel helical wire with a dual steel helical wire on 8.00", 10.00" and 12.00"

Cover: EPDM and synthetic rubber blend

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- Pumping, suction, and discharge of water, mud and slurries
- Convey water
- Transfer and haul salt water (brine)

Markets:

- Construction
- Equipment rental
- Mining
- Ship building
- Oil and gas exploration
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EH36016-	MXX	100	25	25,4	1.00	34,0	1.34	10,5	150	31	450	70	2.76	94,8	28	0,64	0.43	40-61	100
EH36020-	MXX	100	31	31,8	1.25	42,0	1.65	10,5	150	31	450	125	4.92	94,8	28	0,97	0.65	40-61	100
EH36024-	MXX	100	38	38,1	1.50	48,0	1.89	10,5	150	31	450	150	5.91	94,8	28	1,20	0.81	40-61	100
EH36028-	MXX	100	45	44,5	1.75	55,0	2.17	10,5	150	31	450	185	7.28	94,8	28	1,44	0.97	40-61	100
EH36032-	MXX	100	51	50,8	2.00	62,0	2.44	10,5	150	31	450	215	8.46	94,8	28	1,76	1.18	40-61	100
EH36040-	MXX	100	60	63,5	2.50	75,0	2.95	10,5	150	31	450	280	11.02	94,8	28	2,22	1.49	40-61	100
EH36044-	MXX	100	70	70,0	2.75	82,0	3.23	10,5	150	31	450	320	12.60	91,8	28	2,54	1.71	40-61	100
EH36048-	MXX	100	80	76,2	3.00	89,0	3.50	10,5	150	31	450	350	13.78	94,8	28	2,91	1.96	40-61	100
EH36064-	MXX	100	102	101,6	4.00	115,0	4.53	10,5	150	31	450	490	19.29	94,8	28	4,02	2.70	40-61	100
EH36080-	MXX	100	130	127,0	5.00	142,0	5.59	10,5	150	31	450	650	25.59	80,0	24	5,62	3.78	40-61	100
EH36096-	MXX	100	150	152,4	6.00	169,0	6.65	10,5	150	31	450	760	29.92	80,0	24	8,20	5.51	40-61	100
EH3608A-	MXX	20	200	203,2	8.00	224,0	8.82	10,5	150	31	450	1120	44.09	80,0	24	12,54	8.43	20	20,25
EH360160-	MXX	20	250	254,0	10.00	276,0	10.87	7,0	100	21	300	1625	63.98	80,0	24	16,61	11.16	10	20,25
EH360160A-	MXX	20	250	254,0	10.00	279,0	10.99	10,5	150	31	450	1525	60.04	80,0	24	18,17	12.21	10	20
EH360192-	MXX	20	305	304,8	12.00	327,0	12.87	7,0	100	21	300	2015	79.33	80,0	24	19,60	13.17	10	20,25
EH360192A-	MXX	20	305	304,8	12.00	329,0	12.95	10,5	150	31	450	1950	76.77	80,0	24	20,52	13.79	10	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW004 High Pressure Layflat Water Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For discharge of water in agricultural and industrial applications

Markets:

- Construction
- Industrial
- Agricultural

Type of Couplings:

- Shank type male x female
- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW004-32-	MXX	100	51	50,8	2.00	59	2.32	20,7	300	62	900	1,02	0.68	40-61	100
EHW004-40-	MXX	100	60	63,5	2.50	73	2.87	20,7	300	62	900	1,38	0.92	40-61	100
EHW004-44-	MXX	100	70	70,0	2.75	79	3.11	20,7	300	62	900	1,54	1.04	40-61	100
EHW004-48-	MXX	100	80	76,2	3.00	86	3.39	20,7	300	62	900	1,75	1.18	40-61	100
EHW004-64-	MXX	100	102	101,6	4.00	112	4.41	20,7	300	62	900	2,31	1.55	40-61	100
EHW004-80-	MXX	100	130	127,0	5.00	138	5.43	20,7	300	62	900	2,99	2.01	40-61	100
EHW004-96-	MXX	100	150	152,4	6.00	163	6.42	20,7	300	62	900	3,56	2.40	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW029 OTTER™ Layflat Water Discharge

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile

Cover: EPDM

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For water discharge

Markets:

- Agriculture
- Construction
- Equipment rental
- Mining
- Ship building
- Oil and gas exploration
- Tank truck

Type of Couplings:

- Shank type male x female
- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW029-20-		100	31	31,8	1.25	38,0	1.50	10,5	150	31,5	450	0,45	0.30		100
EHW029-24-		100	38	38,1	1.50	44,0	1.73	10,5	150	31,5	450	0,52	0.35		100
EHW029-32-		100	51	50,8	2.00	57,0	2.24	10,5	150	31,5	450	0,73	0.49		100
EHW029-40-		100	60	63,5	2.50	70,0	2.76	10,5	150	31,5	450	0,90	0.60		100
EHW029-48-		100	80	76,2	3.00	83,0	3.27	10,5	150	31,5	450	1,15	0.77		100
EHW029-64-		100	102	101,6	4.00	109,0	4.29	10,5	150	31,5	450	1,67	1.12		100
EHW029-80-		100	130	127,0	5.00	136,0	5.35	10,5	150	31,5	450	2,51	1.69		100
EHW029-96-		100	150	152,4	6.00	162,0	6.38	10,5	150	31,5	450	3,36	2.26		100
EHW029-128-		100	200	203,2	8.00	216,5	8.52	10,5	150	31,5	450	5,94	3.99		20, 100
EHW029-160-		100	250	254,0	10.00	268,0	10.55	10,5	150	31,5	450	8.00	5.37		20, 100
EHW029-192-		100	305	304,8	12.00	320,0	12,60	10,5	150	31,5	450	8,70	5.84		20, 100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW007 Soft Wall Water Discharge

Construction:

Tube: Synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: CR

Operating Temperature:

-35°C to +80°C
(-31°F to +176°F)

Application:

- For water discharge

Markets:

- Construction
- Industrial

Type of Couplings:

- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW007-48-	MXX	100	80	76,2	3.00	93	3.66	10,5	150	41	600	3,06	2.06	40-61	100
EHW007-64-	MXX	100	102	101,6	4.00	118	4.65	10,5	150	41	600	4,00	2.69	40-61	100
EHW007-80-	MXX	100	130	127,0	5.00	144	5.67	7,0	100	28	400	5,05	3.39	40-61	100
EHW007-96-	MXX	100	150	152,4	6.00	169	6.65	7,0	100	28	400	5,70	3.83	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW003 Medium Duty Water Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber cover

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For water discharge

Markets:

- Construction
- Industrial
- Agricultural

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW003-06BK-	MXX	100	10	9,5	0.38	17,0	0.67	10,5	150	31	450	0,23	0.16	40-61	100
EHW003-08BK-	MXX	100	12	12,7	0.50	20,0	0.79	10,5	150	31	450	0,28	0.19	40-61	100
EHW003-10BK-	MXX	100	16	15,9	0.64	23,0	0.91	10,5	150	31	450	0,32	0.22	40-61	100
EHW003-12BK-	MXX	100	19	19,0	0.75	27,0	1.06	10,5	150	31	450	0,44	0.29	40-61	100
EHW003-16BK-	MXX	100	25	25,4	1.00	33,0	1.30	10,5	150	31	450	0,50	0.34	40-61	100
EHW003-20BK-	MXX	100	31	31,8	1.25	41,0	1.61	10,5	150	31	450	0,75	0.50	40-61	100
EHW003-24BK-	MXX	100	38	38,0	1.50	47,0	1.85	10,5	150	31	450	0,90	0.60	40-61	100
EHW003-28BK-	MXX	100	45	44,5	1.75	54,0	2.13	10,5	150	31	450	1,10	0.74	40-61	100
EHW003-32BK-	MXX	100	51	50,8	2.00	60,0	2.36	10,5	150	31	450	1,18	0.80	40-61	100
EHW003-40BK-	MXX	100	60	63,5	2.50	74,0	2.91	10,5	150	31	450	1,67	1.12	40-61	100
EHW003-44BK-	MXX	100	70	70,0	2.75	82,0	3.23	10,5	150	31	450	2,06	1.39	40-61	100
EHW003-48BK-	MXX	100	80	76,2	3.00	88,0	3.46	10,5	150	31	450	2,19	1.47	40-61	100
EHW003-64BK-	MXX	100	102	101,6	4.00	115,0	4.53	10,5	150	31	450	3,29	2.21	40-61	100
EHW003-80BK-	MXX	100	130	127,0	5.00	140,0	5.51	10,5	150	31	450	3,86	2.60	40-61	100
EHW003-96BK-	MXX	100	150	152,4	6.00	165,0	6.50	10,5	150	31	450	4,56	3.07	40-61	100
EHW003-128BK-	MXX	20	200	203,2	8.00	222,0	8.74	10,5	150	31	450	8,11	5.45	20-40	20
EHW003-160BK-	MXX	20	250	254,0	10.00	270,0	10.63	10,5	150	31	450	10,67	7.17	20	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW001 Layflat Water Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic Rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For discharge of water in agricultural and industrial applications

Markets:

- Construction
- Industrial
- Agricultural

Type of Couplings:

- Shank type male x female
- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW001-32-	MXX	100	51	50,8	2.00	43,0	1.69	10,5	150	31	450	0,79	1.74	40-61	100
EHW001-40-	MXX	100	60	63,5	2.50	49,0	1.92	10,5	150	31	450	0,99	2.18	40-61	100
EHW001-44-	MXX	100	70	70,0	2.75	63,0	2.48	10,5	150	31	450	1,14	2.60	40-61	100
EHW001-48-	MXX	100	80	76,2	3.00	76,0	2.99	10,5	150	31	450	1,23	2.71	40-61	100
EHW001-64-	MXX	100	102	101,6	4.00	90,0	3.54	10,5	150	31	450	1,79	3.95	40-61	100
EHW001-80-	MXX	100	130	127,0	5.00	116,5	4.58	10,5	150	31	450	2,65	5.84	40-61	100
EHW001-96-	MXX	100	150	152,4	6.00	171,0	6.73	10,5	150	31	450	3,56	7.85	40-61	100
EHW001-128-	MXX	100	200	203,2	8.00	226,5	8.91	10,5	150	31	450	6,29	13.87	20-40	20,100
EHW001-160-	MXX	100	250	254,0	10.00	268,0	10.55	10,5	150	31	450	8,28	18.25	20	20,100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0307 and H0379 Leader Water Discharge

Construction:

Tube: EPDM

Reinforcement: 2-ply, 2 or 4 spiral fiber

Cover: EPDM

Operating Temperature:

-23°C to +66°C
(-10°F to +150°F)

Application:

- For water discharge

Markets:

- Mining
- Construction
- Equipment rental
- Ship building
- Tank truck

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H030724-		100	38	38,1	1.50	45,7	1.80	7,0	100	20,7	300	0,85	0.57		100
H030732-		100	51	50,8	2.00	58,7	2.31	7,0	100	20,7	300	1,09	0.73		100
H030740-		100	60	63,5	2.50	73,5	2.89	7,0	100	20,7	300	1,34	0.90		100
H030748-		100	80	76,2	3.00	86,5	3.41	7,0	100	20,7	300	1,64	1.10		100
H030764-		100	102	101,6	4.00	111,9	4.41	7,0	100	20,7	300	2,16	1.45		100
H030796		50	150	152,4	6.00	161,8	6.37	5,5	80	17,2	250	3,18	2.14		50
H037924-		100	38	38,1	1.50	52,4	2.06	10,5	150	31	450	0,95	0.64		100
H037932-		100	51	50,8	2.00	65,1	2.56	10,5	150	31	450	1,26	0.85		100
H037940-		100	60	63,5	2.50	73,9	2.91	10,5	150	31	450	1,55	1.04		100
H037948-		100	80	76,2	3.00	90,5	3.56	10,5	150	31	450	1,83	1.23		100
H037964-		100	102	101,6	4.00	115,9	4.56	10,5	150	31	450	2,40	1.61		100
H037980-		100	130	127,0	5.00	137,5	5.41	10,5	105	31	450	3,08	2.07		100
H037996-		100	150	152,4	6.00	163,9	6.45	10,5	150	31	450	3,79	2.55		50,100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW011 Low Pressure Water Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For general water discharge

Markets:

- Mining
- Construction
- In-plant service
- Gardening
- Assembly/manufacturers

Type of Couplings:

- Cam and groove
- Quick disconnect
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW011-06BK-	MXX	100	10	9,5	0.38	17	0.67	7	100	20,7	300	0,23	0.15	40-61	100
EHW011-08BK-	MXX	100	12	12,7	0.50	20	0.79	7	100	20,7	300	0,28	0.19	40-61	100
EHW011-10BK-	MXX	100	16	15,9	0.63	23	0.91	7	100	20,7	300	0,32	0.22	40-61	100
EHW011-12BK-	MXX	100	19	19,0	0.75	26	1.02	7	100	20,7	300	0,39	0.26	40-61	100
EHW011-16BK-	MXX	100	25	25,4	1.00	33	1.30	7	100	20,7	300	0,51	0.34	40-61	100
EHW011-20BK-	MXX	100	31	31,8	1.25	40	1.57	7	100	20,7	300	0,63	0.42	40-61	100
EHW011-24BK-	MXX	100	38	38,1	1.50	46	1.81	7	100	20,7	300	0,74	0.50	40-61	100
EHW011-28BK-	MXX	100	45	44,5	1.75	53	2.09	7	100	20,7	300	0,93	0.63	40-61	100
EHW011-32BK-	MXX	100	51	50,8	2.00	60	2.36	7	100	20,7	300	1,20	0.80	40-61	100
EHW011-40BK-	MXX	100	60	63,5	2.50	73	2.87	7	100	20,7	300	1,49	1.00	40-61	100
EHW011-44BK-	MXX	100	70	70,0	2.75	80	3.15	7	100	20,7	300	1,75	1.18	40-61	100
EHW011-48BK-	MXX	100	80	76,2	3.00	86	3.39	7	100	20,7	300	1,81	1.22	40-61	100
EHW011-64BK-	MXX	100	102	101,6	4.00	112	4.41	7	100	20,7	300	2,55	1.71	40-61	100
EHW011-80BK-	MXX	100	130	127,0	5.00	139	5.47	7	100	20,7	300	3,56	2.39	40-61	100
EHW011-96BK-	MXX	100	150	152,4	6.00	165	6.50	7	100	20,7	300	4,63	3.12	40-61	100
EHW011-128BK-	MXX	20	200	203,2	8.00	218	8.58	7	100	20,7	300	7,32	4.92	20-40	20
EHW011-160BK-	MXX	20	250	254,0	10.00	270	10.63	7	100	20,7	300	9,45	6.35	20	20

Product also available in red, use RD when ordering.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW012 Low Pressure Layflat Water Discharge

Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For water discharge

Markets:

- Construction
- Industrial
- Agriculture

Type of Couplings:

- Shank type male x female
- Cam and groove

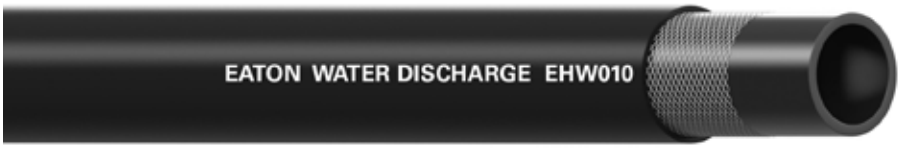
Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW012-32-	MXX	100	51	50.8	2.00	56	2.20	6	85	17,5	255	0,71	0.47	40-61	100
EHW012-40-	MXX	100	60	63,5	2.50	69	2.72	6	85	17,5	255	0,87	0.59	40-61	100
EHW012-44-	MXX	100	70	70,0	2.75	76	2.99	6	85	17,5	255	1,03	0.69	40-61	100
EHW012-48-	MXX	100	80	76,2	3.00	82	3.23	6	85	17,5	255	1,09	0.73	40-61	100
EHW012-64-	MXX	100	102	101,6	4.00	108	4.25	6	85	17,5	255	1,59	1.07	40-61	100
EHW012-80-	MXX	100	130	127,0	5.00	134	5.28	6	85	17,5	255	2,15	1.44	40-61	100
EHW012-96-	MXX	100	150	152,4	6.00	160	6.30	6	85	17,5	255	2,72	1.83	40-61	100
EHW012-128-	MXX	20	200	203,2	8.00	212	8.35	6	85	17,5	255	4,16	2.80	20-40	20
EHW012-160-	MXX	20	250	254,0	10.00	264	10.39	6	85	17,5	255	6,04	4.06	20	20
EHW012-192-	MXX	20	305	304,8	12.00	315	12.40	6	85	17,5	255	7,08	4.76	20	20
EHW012-224-	MXX	20	350	355,6	14.00	367	14.45	6	85	17,5	255	9,04	6.07	6	20
EHW012-256-	MXX	20	406	406,4	16.00	417	16.42	6	85	17,5	255	10,72	7.20	6	20
EHW012-320-	MXX	20	508	508,0	20.00	519	20.43	6	85	17,5	255	12,21	8.20	6	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW010 Water Discharge



Construction:

Tube: Natural and synthetic rubber

Reinforcement: High-tensile synthetic textile

Cover: Synthetic rubber

Operating Temperature:

-25°C to +70°C
(-13°F to +158°F)

Application:

- For general water discharge

Markets:

- Mining
- Construction
- In-plant service
- Gardening
- Assembly/manufacturers

Type of Couplings:

- Barbed inserts
- Quick disconnect

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW010-04-	MXX	300	6	6,4	0.25	11	0.43	10,5	150	31	450	0,11	0.07	100	300
EHW010-05-	MXX	300	8	7,9	0.31	14	0.55	10,5	150	31	450	0,16	0.11	100	300
EHW010-06-	MXX	300	10	9,5	0.38	16	0.63	10,5	150	31	450	0,19	0.13	100	300
EHW010-08-	MXX	300	12	12,7	0.50	19	0.75	10,5	150	31	450	0,23	0.15	100	300
EHW010-10-	MXX	300	16	15,9	0.63	23	0.91	10,5	150	31	450	0,33	0.22	100	300
EHW010-12-	MXX	300	19	19,1	0.75	27	1.06	10,5	150	31	450	0,44	0.30	100	300
EHW010-16-	MXX	300	25	25,4	1.00	34	1.34	10,5	150	31	450	0,63	0.42	100	300

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW027 Channeled Hot Water Suction and Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: Channeled EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For suction and discharge of hot water in industrial applications

Markets:

- Construction
- Industrial

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW027-12-	MXX	100	19	19,0	0.75	29	1.14	10,5	150	31	450	40	1.57	94,8	28	0,50	0.34	40-61	100
EHW027-14-	MXX	100	22	22,2	0.88	32	1.26	10,5	150	31	450	45	1.77	94,8	28	0,57	0.38	40-61	100
EHW027-16-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	31	450	50	1.97	94,8	28	0,62	0.41	40-61	100
EHW027-18-	MXX	100	28	28,6	1.12	38	1.50	10,5	150	31	450	55	2.17	94,8	28	0,74	0.49	40-61	100
EHW027-20-	MXX	100	31	31,8	1.25	42	1.65	10,5	150	31	450	65	2.56	94,8	28	0,81	0.54	40-61	100
EHW027-24-	MXX	100	38	38,1	1.50	48	1.89	10,5	150	31	450	85	3.35	94,8	28	1,10	0.74	40-61	100
EHW027-32-	MXX	100	51	50,8	2.00	62	2.44	10,5	150	31	450	120	4.72	94,8	28	1,35	0.91	40-61	100
EHW027-40-	MXX	100	60	63,5	2.50	75	2.95	10,5	150	31	450	160	3.60	94,8	28	1,79	1.20	40-61	100
EHW027-48-	MXX	100	80	76,2	3.00	90	3.54	10,5	150	31	450	190	7.48	94,8	28	2,55	1.71	40-61	100
EHW027-64-	MXX	100	102	101,6	4.00	117	4.61	10,5	150	31	450	280	11.02	94,8	28	3,92	2.64	40-61	100
EHW027-80-	MXX	100	130	127,0	5.00	146	5.75	10,5	150	31	450	350	13.78	80,0	24	6,04	4.06	40-61	100
EHW027-96-	MXX	100	150	152,4	6.00	170	6.69	10,5	150	31	450	550	21.65	80,0	24	6,67	4.48	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW026 Flat Corrugated Hot Water Suction and Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: Flat corrugated EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For suction and discharge of hot water in industrial applications

Markets:

- Construction
- Industrial

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW026-12-	MXX	100	19	19,0	0.75	27	1.06	10,5	150	31	450	50	1.97	94,8	28	0,44	0.29	40-61	100
EHW026-16-	MXX	100	25	25,4	1.00	34	1.34	10,5	150	31	450	65	2.56	94,8	28	0,60	0.40	40-61	100
EHW026-20-	MXX	100	31	31,8	1.25	41	1.61	10,5	150	31	450	80	3.15	94,8	28	0,82	0.55	40-61	100
EHW026-24-	MXX	100	38	38,1	1.50	47	1.85	10,5	150	31	450	100	3.94	94,8	28	0,93	0.63	40-61	100
EHW026-32-	MXX	100	51	50,8	2.00	61	2.40	10,5	150	31	450	140	5.51	94,8	28	1,45	0.97	40-61	100
EHW026-40-	MXX	100	60	63,5	2.50	74	2.91	10,5	150	31	450	175	6.89	94,8	28	1,75	1.18	40-61	100
EHW026-48-	MXX	100	80	76,2	3.00	88	3.46	10,5	150	31	450	250	9.84	94,8	28	2,31	1.55	40-61	100
EHW026-64-	MXX	100	102	101,6	4.00	115	4.52	10,5	150	31	450	350	13.78	94,8	28	3,76	2.52	40-61	100
EHW026-80-	MXX	100	130	127,0	5.00	143	5.62	10,5	150	31	450	440	17.32	80,0	24	5,71	3.84	40-61	100
EHW026-96-	MXX	100	150	152,4	6.00	169	6.65	10,5	150	31	450	600	23.62	80,0	24	7,36	4.94	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW025 Corrugated Hot Water Suction and Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: Corrugated EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For suction and discharge of hot water in industrial applications

Markets:

- Construction
- Industrial

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW025-16-	MXX	100	25	25,4	1.00	35	1.38	10,5	150	31	450	85	3.35	94,8	28	0,69	0.46	40-61	100
EHW025-20-	MXX	100	31	31,8	1.25	42	1.65	10,5	150	31	450	110	4.33	94,8	28	0,83	0.55	40-61	100
EHW025-24-	MXX	100	38	38,1	1.50	48	1.89	10,5	150	31	450	125	4.92	94,8	28	0,96	0.65	40-61	100
EHW025-32-	MXX	100	51	50,8	2.00	63	2.48	10,5	150	31	450	200	7.87	94,8	28	1,56	1.05	40-61	100
EHW025-40-	MXX	100	60	63,5	2.50	74	2.91	10,5	150	31	450	250	9.84	94,8	28	1,93	1.30	40-61	100
EHW025-48-	MXX	100	80	76,2	3.00	90	3.54	10,5	150	31	450	320	12.60	94,8	28	2,79	1.88	40-61	100
EHW025-64-	MXX	100	102	101,6	4.00	117	4.61	10,5	150	31	450	450	17.72	94,8	28	4,09	2.75	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW024 Hot Water Suction and Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile and steel helical wire

Cover: EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For suction and discharge of hot water in industrial applications

Markets:

- Construction
- Industrial

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHW024-12-	MXX	100	19	19,0	0.75	28	1.10	10,5	150	31	450	70	2.76	94,8	28	0,51	0.34	40-61	100
EHW024-16-	MXX	100	25	25,4	1.00	34	1.34	10,5	150	31	450	95	3.74	94,8	28	0,61	0.41	40-61	100
EHW024-20-	MXX	100	31	31,8	1.25	42	1.65	10,5	150	31	450	125	4.92	94,8	28	0,96	0.65	40-61	100
EHW024-24-	MXX	100	38	38,1	1.50	48	1.89	10,5	150	31	450	150	5.91	94,8	28	1,13	0.76	40-61	100
EHW024-32-	MXX	100	51	50,8	2.00	62	2.44	10,5	150	31	450	215	8.46	94,8	28	1,69	1.14	40-61	100
EHW024-40-	MXX	100	60	63,5	2.50	75	2.95	10,5	150	31	450	280	11.02	94,8	28	2,07	1.39	40-61	100
EHW024-48-	MXX	100	80	76,2	3.00	89	3.50	10,5	150	31	450	350	13.78	94,8	28	2,82	1.89	40-61	100
EHW024-64-	MXX	100	102	101,6	4.00	115	4.53	10,5	150	31	450	490	19.29	94,8	28	3,80	2.55	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW023 Hot Water Discharge

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For delivery of hot water in industrial applications

Markets:

- Automotive
- Industrial

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW023-08-	MXX	100	12	12,7	0.50	20	0.79	10,5	150	31	450	0,28	0.19	40-61	100
EHW023-10-	MXX	100	16	15,9	0.62	23	0.91	10,5	150	31	450	0,32	0.22	40-61	100
EHW023-12-	MXX	100	19	19,0	0.75	27	1.06	10,5	150	31	450	0,42	0.28	40-61	100
EHW023-16-	MXX	100	25	25,4	1.00	33	1.30	10,5	150	31	450	0,48	0.32	40-61	100
EHW023-20-	MXX	100	31	31,8	1.25	41	1.61	10,5	150	31	450	0,72	0.48	40-61	100
EHW023-24-	MXX	100	38	38,1	1.50	47	1.85	10,5	150	31	450	0,86	0.57	40-61	100
EHW023-28-	MXX	100	45	44,5	1.75	54	2.13	10,5	150	31	450	1,05	0.71	40-61	100
EHW023-32-	MXX	100	51	50,8	2.00	60	2.36	10,5	150	31	450	1,13	0.76	40-61	100
EHW023-40-	MXX	100	60	63,5	2.50	74	2.91	10,5	150	31	450	1,59	1.07	40-61	100
EHW023-44-	MXX	100	70	70,0	2.75	82	3.23	10,5	150	31	450	2,12	1.42	40-61	100
EHW023-48-	MXX	100	80	76,2	3.00	88	3.46	10,5	150	31	450	2,12	1.42	40-61	100
EHW023-64-	MXX	100	102	101,6	4.00	115	4.53	10,5	150	31	450	3,14	2.11	40-61	100
EHW023-80-	MXX	100	130	127,0	5.00	140	5.51	10,5	150	31	450	3,68	2.47	40-61	100
EHW023-96-	MXX	100	150	152,4	6.00	165	6.50	10,5	150	31	450	4,35	2.92	40-61	100
EHW023-128-	M20	20	200	203,2	8.00	222	8.74	10,5	150	31	450	8,81	5.92	20	20

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1196 ROYALFLEX

Construction:

Tube: Thermoplastic vinyl nitrile

Reinforcement: 100% polyester and helical wire

Cover: Thermoplastic vinyl nitrile

Operating Temperature:

-29°C to +82°C
(-20°F to +180°F)

Application:

- Transfer of water, liquid diluted fertilizers and pesticides
- Pumping, suction, and discharge of water and slurries

Markets:

- Petroleum industry
- Oil and gas exploration
- Tank trucks
- Waste hauling
- Batch plants

Type of Couplings:

- Male NPT
- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H119624	38	38,1	1.50	50,8	2.00	20,7	300	83	1200	152,4	6.00	100	30	1,19	0.81	15,2	50
H119624-100	38	38,1	1.50	50,8	2.00	20,7	300	83	1200	152,4	6.00	100	30	1,19	0.81	30,5	100
H119624-120	38	38,1	1.50	50,8	2.00	20,7	300	83	1200	152,4	6.00	100	30	1,19	0.81	36,6	120
H119632	51	50,8	2.00	63,5	2.50	20,7	300	83	1200	203,2	8.00	100	30	1,64	1.10	15,2	50
H119632-100	51	50,8	2.00	63,5	2.50	20,7	300	83	1200	203,2	8.00	100	30	1,64	1.10	30,5	100
H119632-120	51	50,8	2.00	63,5	2.50	20,7	300	83	1200	203,2	8.00	100	30	1,64	1.10	36,6	120
H119640	60	63,5	2.50	76,2	3.00	20,7	300	83	1200	254,0	10.00	100	30	1,99	1.34	15,2	50
H119640-100	60	63,5	2.50	76,2	3.00	20,7	300	83	1200	254,0	10.00	100	30	1,99	1.34	30,5	100
H119640-120	60	63,5	2.50	76,2	3.00	20,7	300	83	1200	254,0	10.00	100	30	1,99	1.34	36,0	120
H119648	80	76,2	3.00	88,9	3.50	17,2	250	70	1000	304,8	12.00	100	30	2,98	2.00	15,2	50
H119648-100	80	76,2	3.00	88,9	3.50	17,2	250	70	1000	304,8	12.00	100	30	2,98	2.00	30,5	100
H119648-120	80	76,2	3.00	88,9	3.50	17,2	250	70	1000	304,8	12.00	100	30	2,98	2.00	36,6	120
H119664	102	101,6	4.00	114,3	4.50	13,8	200	41	600	406,4	16.00	100	30	4,05	2.72	15,2	50
H119664-100	102	101,6	4.00	114,3	4.50	13,8	200	41	600	406,4	16.00	100	30	4,05	2.72	30,5	100
H119664-120	102	101,6	4.00	114,3	4.50	13,8	200	41	600	406,4	16.00	100	30	4,05	2.72	36,6	120

*Additional lengths available

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW028 Heavy Duty MSHA Mine Spray

Construction:

Tube: Oil-mist resistant NRB rubber

Reinforcement: High-tensile steel wire

Cover: MSHA Pin-pricked neoprene

Operating Temperature:

-35°C to +100°C
(-31°F to +212°F)

Application:

- High pressure air in mines

Markets:

- Mining
- Construction
- Equipment rental

Type of Couplings:

- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW028-08-	MXX	100	12	12,7	0.50	24,4	0.94	70,0	1000	20,7	3000	150	5.91	0,60	0.40	40-61	50, 100
EHW028-12-	MXX	100	19	19,0	0.75	28,0	1.10	70,0	1000	20,7	3000	203	9.06	0,61	0.41	40-61	50, 100
EHW028-16-	MXX	100	25	25,4	1.00	34,3	1.35	70,0	1000	20,7	3000	305	12.01	0,82	0.55	40-61	50, 100
EHW028-20-	MXX	100	31	31,8	1.25	41,4	1.63	70,0	1000	20,7	3000	385	15.16	1,10	0.74	40-61	50, 100
EHW028-24-	MXX	100	38	38,1	1.50	48,0	1.89	70,0	1000	20,7	3000	455	17.91	1,41	0.95	40-61	50, 100
EHW028-32-	MXX	100	51	50,8	2.00	62,0	2,44	70,0	1000	20,7	3000	610	24.02	2,19	1.47	40-61	50, 100
EHW028-40-	MXX	100	60	63,5	2.50	82,0	3,23	70,0	1000	20,7	3000	765	30.12	3,93	2.64	40-61	50, 100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H345 Pressure Washer

Construction:

Tube: Oil-resistant Nitrile (RMA Class A)

Reinforcement: 1-braid wire

Cover: Vinyl nitrile MSHA approved

Operating Temperature:

-18°C to +93°C
(0°F to +200°F)

Application:

- High pressure cleaning and degreasing
- Washdown of food processing equipment
- Pressure wash engines, equipment, tanks, building, etc.

Markets:

- Construction
- Food
- Marine
- Agriculture
- Oil exploration/drilling
- General industry
- Mining

Type of Couplings:

- TTC Fittings
- "Z" Series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H34504	6	6,4	0.25	12,1	0.48	207	3000	828	12000	50,8	2.00	0,19	0.13	15,2	50
H34504-100	6	6,4	0.25	12,1	0.48	207	3000	828	12000	50,8	2.00	0,19	0.13	30,5	100
H34504-250R	6	6,4	0.25	12,1	0.48	207	3000	828	12000	50,8	2.00	0,19	0.13	76,2	250
H34504-500R	6	6,4	0.25	12,1	0.48	207	3000	828	12000	50,8	2.00	0,19	0.13	152,4	500
H34506	10	9,5	0.38	16,0	0.63	207	3000	828	12000	63,5	2.50	0,31	0.21	15,2	50
H34506-100	10	9,5	0.38	16,0	0.63	207	3000	828	12000	63,5	2.50	0,31	0.21	30,5	100
H34506-250R	10	9,5	0.38	16,0	0.63	207	3000	828	12000	63,5	2.50	0,31	0.21	76,2	250
H34506-500R	10	9,5	0.38	16,0	0.63	207	3000	828	12000	63,5	2.50	0,31	0.21	152,4	500
H34508	12	12,7	0.50	20,1	0.79	207	3000	828	12000	88,9	3.50	0,46	0.31	15,2	50
H34508-100	12	12,7	0.50	20,1	0.79	207	3000	828	12000	88,9	3.50	0,46	0.31	30,5	100
H34508-250R	12	12,7	0.50	20,1	0.79	207	3000	828	12000	88,9	3.50	0,46	0.31	76,2	250
H34508-500R	12	12,7	0.50	20,1	0.79	207	3000	828	12000	88,9	3.50	0,46	0.31	152,4	500

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW008 Tank Cleaning

Construction:

Tube: EPDM

Reinforcement: High-tensile synthetic textile and dual anti-static copper wire

Cover: EPDM

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For tank cleaning applications

Markets:

- Construction
- Industrial

Type of Couplings:

- Ground joint
- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW008-24-	MXX	100	38	38,1	1.50	54	2.13	28	400	83	1200	1,63	1.10	40-61	100
EHW008-32-	MXX	100	51	50,8	2.00	68	2.68	28	400	83	1200	2,29	1.54	40-61	100

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW015 Artificial Snow

Construction:

Tube: NBR/SBR rubber

Reinforcement: High-tensile synthetic textile

Cover: SBR/EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For artificial snow equipment

Markets:

- Artificial snow

Type of Couplings:

- Male NPT

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW015-24BU-	MXX	100	38	38,1	1.50	52	2.05	41	600	165	2400	1,34	0.90	40-61	100
EHW015-32BU-	MXX	100	51	50,8	2.00	67	2.64	41	600	165	2400	1,98	1.33	40-61	100

* Product also available in BK-black, RD-Red, and YW-yellow.

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW022 Heavy Duty Radiator Car Heater

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- For delivery of hot water in industrial applications

Markets:

- Industrial
- Automotive

Type of Couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHW022-06-	MXX	300	10	9,5	0.38	17	0.67	10,5	150	31	450	80	3.15	0,18	0.12	100	300
EHW022-08-	MXX	300	12	12,7	0.50	20	0.79	10,5	150	31	450	105	4.13	0,22	0.14	100	300
EHW022-10-	MXX	300	16	15,9	0.62	23	0.91	10,5	150	31	450	160	6.30	0,25	0.17	100	300
EHW022-12-	MXX	300	19	19,0	0.75	28	1.10	10,5	150	31	450	190	7.48	0,39	0.26	100	300
EHW022-16-	MXX	300	25	25,4	1.00	34	1.34	10,5	150	31	450	250	9.84	0,49	0.33	100	300

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW021 Radiator Car Heater

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating Temperature:

-40°C to +120°C
(-40°F to +248°F)

Application:

- For hot water discharge in industrial application

Markets:

- Industrial
- Automotive

Type of Couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW021-04-	MXX	300	6	6,4	0.25	12	0.47	4	60	12,5	180	0,12	0.08	100	300
EHW021-05-	MXX	300	8	7,9	0.31	14	0.55	4	60	12,5	180	0,14	0.09	100	300
EHW021-06-	MXX	300	10	9,5	0.38	16	0.63	4	60	12,5	180	0,17	0.11	100	300
EHW021-08	MXX	300	12	12,7	0.50	20	0.79	4	60	12,5	180	0,26	0.17	100	300
EHW021-10-	MXX	300	16	15,9	0.62	23	0.91	4	60	12,5	180	0,29	0.19	100	300
EHW021-12-	MXX	300	19	19,0	0.75	27	1.06	4	60	12,5	180	0,39	0.26	100	300
EHW021-16-	MXX	300	25	25,4	1.00	35	1.38	4	60	12,5	180	0,64	0.43	100	300

Refer to warnings and safety information on pages P-1– P-16.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHW002 Radiator Hose

Construction:

Tube: EPDM rubber

Reinforcement: High-tensile synthetic textile

Cover: EPDM rubber

Operating Temperature:

-40°C to +125°C
(-40°F to +257°F)

Application:

- Conveying hot water mixed with anti-freeze liquids in cooling systems, automotive and stationary engines

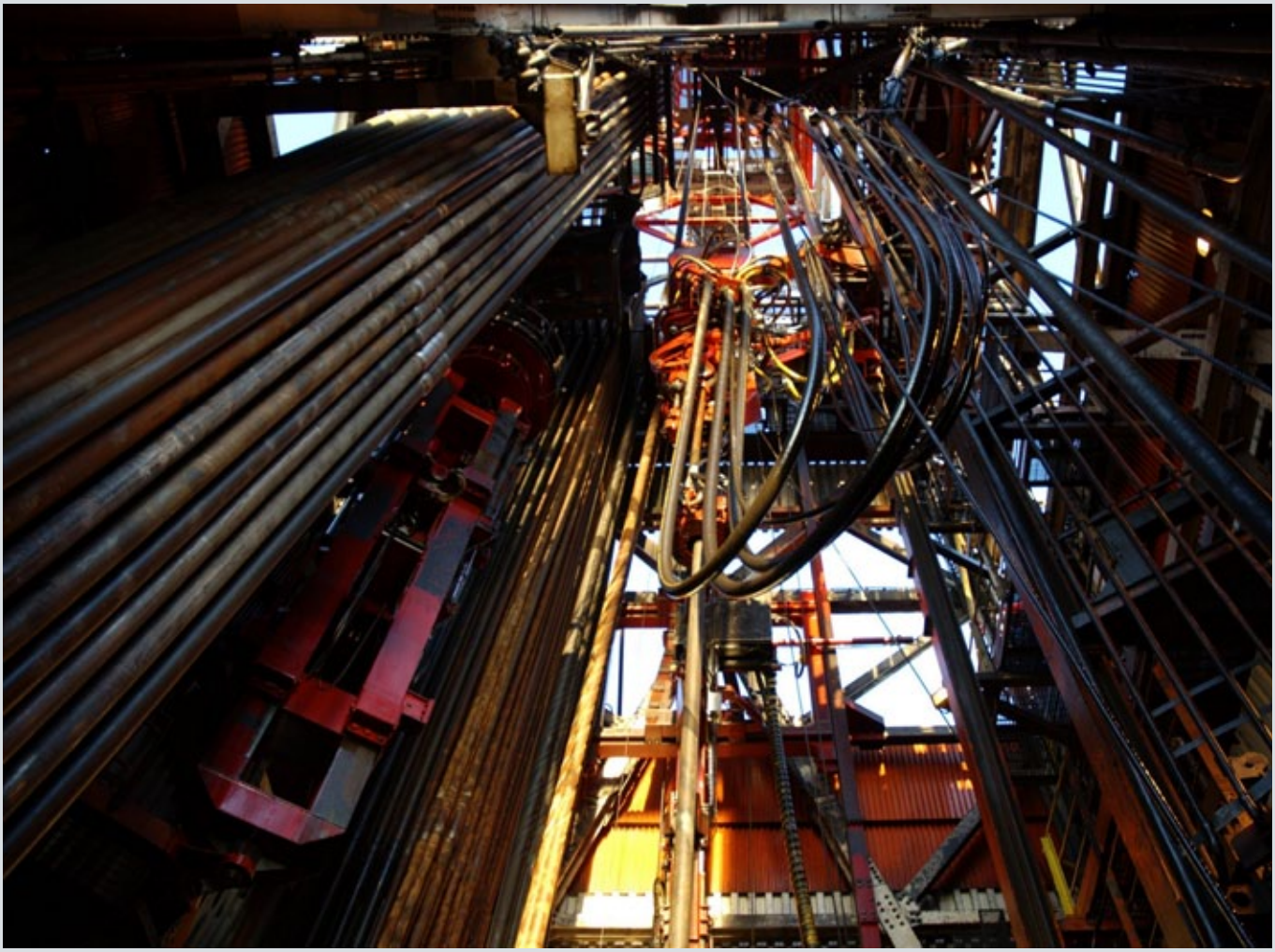
Markets:

- Automotive engine
- In-plant transfer
- Cooling systems

Type of Couplings:

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.			Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	mtr	ft	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
EHW002-08-	MXX	100	12	12,7	0.50	19,0	0.75	4	60	12,5	180	0,21	0.14	40-61	100
EHW002-10-	MXX	100	16	16,0	0.63	22,0	0.87	4	60	12,5	180	0,26	0.17	40-61	100
EHW002-M18-	MXX	100	18	18,0	0.71	24,0	0.95	4	60	12,5	180	0,29	0.19	40-61	100
EHW002-12-	MXX	100	19	19,0	0.75	25,0	0.98	4	60	12,5	180	0,30	0.20	40-61	100
EHW002-M20-	MXX	100	20	20,0	0.79	26,0	1.02	4	60	12,5	180	0,32	0.21	40-61	100
EHW002-14-	MXX	100	22	22,0	0.88	28,0	1.10	4	60	12,5	180	0,34	0.23	40-61	100
EHW002-16-	MXX	100	25	25,4	1.00	32,0	1.26	4	60	12,5	180	0,43	0.30	40-61	100
EHW002-18-	MXX	100	28	28,0	1.13	34,5	1.36	4	60	12,5	180	0,47	0.32	40-61	100
EHW002-19-	MXX	100	30	30,0	1.19	38,0	1.50	4	60	12,5	180	0,60	0.40	40-61	100
EHW002-20-	MXX	100	31	32,0	1.25	40,0	1.57	4	60	12,5	180	0,64	0.43	40-61	100
EHW002-22-	MXX	100	35	35,0	1.38	43,0	1.69	4	60	12,5	180	0,69	0.46	40-61	100
EHW002-24-	MXX	100	38	38,0	1.50	47,0	1.85	4	60	12,5	180	0,85	0.57	40-61	100
EHW002-25-	MXX	100	40	40,0	1.56	49,0	1.93	4	60	12,5	180	0,89	0.60	40-61	100
EHW002-26-	MXX	100	41	42,0	1.63	51,0	2.01	4	60	12,5	180	0,93	0.63	40-61	100
EHW002-28-	MXX	100	45	44,5	1.75	54,0	2.13	4	60	12,5	180	1,05	0.71	40-61	100
EHW002-30-	MXX	100	48	48,0	1.88	57,5	2.26	4	60	12,5	180	1,12	0.75	40-61	100
EHW002-32-	MXX	100	51	50,8	2.00	60,0	2.36	4	60	12,5	180	1,18	0.79	40-61	100
EHW002-34-	MXX	100	56	55,0	2.19	65,0	2.56	4	60	12,5	180	1,36	0.91	40-61	100
EHW002-38-	MXX	100	59	60,0	2.38	70,0	2.76	4	60	12,5	180	1,47	0.98	40-61	100
EHW002-40-	MXX	100	60	63,5	2.50	73,5	2.89	4	60	12,5	180	1,49	1.00	40-61	100
EHW002-44-	MXX	100	70	70,0	2.75	80,0	3.15	4	60	12,5	180	1,63	1.10	40-61	100
EHW002-48-	MXX	100	80	76,2	3.00	86,0	3.39	4	60	12,5	180	1,77	1.19	40-61	100
EHW002-50-	MXX	100	80	80,0	3.13	90,0	3.54	4	60	12,5	180	1,85	1.24	40-61	100
EHW002-56-	MXX	100	90	90,0	3.50	100,0	3.94	4	60	12,5	180	2,07	1.39	40-61	100
EHW002-64-	MXX	100	102	101,6	4.00	111,5	4.39	4	60	12,5	180	2,30	1.55	40-61	100



Notes

Couplings General Information

Couplings

General Information

Coupling Selection

This catalog lists the most common type of coupling used for each hose. Consider the following items when selecting couplings for your application. Consult your coupling manufacturer and Eaton for further information about these items:

- Environment
- Temperature ranges - external environment year round, temperature of material being conveyed, and temperature of cleaning solution
- Maximum pressure requirements
- Corrosive resistance and compatibility with material being conveyed
- Conductivity - especially in flammable applications (non-spark brass cam lever arms)
- Gasket material required, if any, keeping in mind compatibility with the material being conveyed
- Port or fitting the hose assembly must be connected to
- Coating (if any) on coupling (i.e. zinc, etc.)

Selecting Couplings: Safety Information

Choosing the correct coupling is important for maximum hose efficiency and safety. Couplings must be applied properly. Incorrect or improperly applied couplings can result in shorter hose life and hose failures. These failures can result in serious bodily harm or property damage.

Hose couplings have been carefully engineered over the years to meet specific safety requirements.

Some factors you should consider when choosing the proper coupling for a particular application are:

1. What is the material to be handled?
   a) Is it dangerous?
   b) Is it corrosive?
   c) Is it abrasive?
2. What are the pressures involved?
   a) High pressure
   b) Medium pressure
   c) Low pressure
   d) Suction
3. What means of connection are required?
   a) Threads
   b) Special locking
   c) Flanged ends

When selecting couplings, the end user should inform the distributor of the application and pressures involved when ordering hose assemblies, and it's up to the distributor to supply the right hose and coupling for that application.

All hose assemblies should be treated with respect as potential hazards. Fittings, clamps or clips should be checked on a regular basis, and removed from service if damaged.

Shank length of coupling should be 1-1/2 times the inside diameter of the hose.

Combination nipples should only be used for suction and low pressure discharge applications.

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.

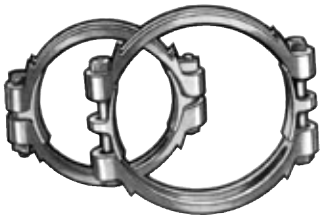
Coupling Selection

There are two general types of couplings to consider, **field-attachable and permanent.**

Field-attachable couplings are usually secured by one of the following methods; flat bands, single bolt, double bolt or interlocking clamps.

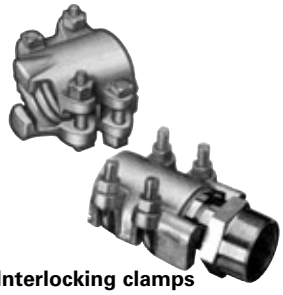
Band clamps are generally used for applications requiring cam and groove style couplings (less than 150 psi). Bolt clamps generally offer greater security than bands and are therefore chosen more often for higher pressure applications. They can also be retightened after a hose has been in service.

Flat band clamp



Double bolt clamp

Single bolt clamp



Interlocking clamps

Permanent couplings are also used in applications where you could see pressures greater than 150 psi. These end fittings are swaged, crimped or internally expanded onto the hose. Internal expansion couplings exist for full-flow applications and allow easier assembly cleaning.

Cam and groove coupling

King combination nipple coupling or "KC"

Flange end

Couplings

General Information

Examples of Coupling Configurations

Short Shank

Service: Low pressure air and water service

Size Range: 3/16″ to 1″

Description: Cast brass with serrated shank; GHT, NPSM or NPT male and NPSH female; washer seal

Attachment: Clamps or bands

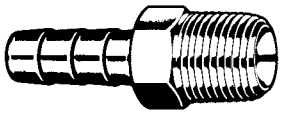
Long Shank

Service: Medium pressure air, water, sanitary and liquids in suction or discharge service

Size Range: 3/8″ to 4″

Description: Machined steel or brass with serrated shank; NPT or NPSM male and female; thread seal to NPT and washer seal to NPSM female Attachment Bands or clamps

Barbed Insets



Service: Low or medium pressure air, water and fluids

Size Range: 3/16″ to 1″

Description: Machined brass with serrated shank; NPT or NPTF male and rigid female, and NPSM swivel female; thread seal to NPT or NPTF female, and ball end or washer seal to NPSM female

Attachment: Bands or clamps

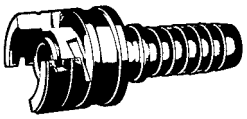
Interlocking

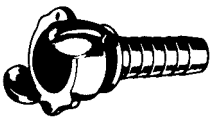
Service: High pressure air and water service, steam, high pressure spray, and LPG service

Size Range: 1/4″ to 6″

Description: Plated malleable iron; insert and spud may be either steel or malleable iron; NPT male and female with ground joint or washer seal Attachment Four bolt or two bolt interlocking clamps

Quick Acting





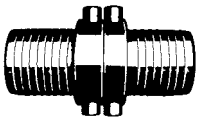
Service: Low to medium pressure; air, water or oil service where frequent and fast connections must be made

Size Range: 1/4″ to 2″

Description: Plated malleable iron, stainless steel or bronze

Attachment: Interlocking clamps or bands

Water Suction



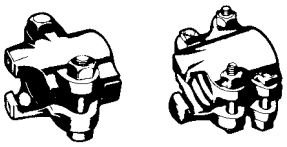
Service: Heavy duty water discharge and suction service

Size Range: 1″ to 8″

Description: Malleable iron, aluminum and/or brass

Attachment: Clamps or bands

Interlocking Clamp



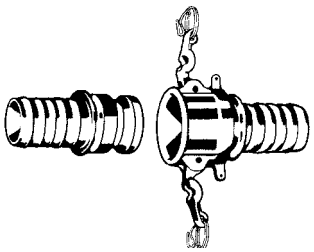
Service: Heavy duty high pressure applications such as air, steam, water, spray, LPG service

Size Range: 9/16″ to 7 3/16″ hose O.D.

Description: Malleable iron, plated

Attachment: Clamps bolted into position

Cam and Grove



Service: Low and medium pressure water, petroleum and chemical transfer where fast connections are needed; also used for suction service

Size Range: 1/2″ to 8″

Description: Aluminum, bronze, stainless steel, Monel, malleable iron; washer seal with no threads

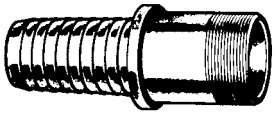
Attachment: Clamps, bands, or crimp/swage ferrules

Couplings

General Information

Examples of Coupling Configurations, continued

Swaged or Crimped



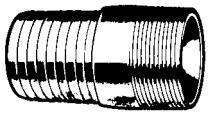
Service: For use on all types of hose where high pressures are used

Size Range: 1 1/4″ to 8″

Description: Couplings consist of swaged fittings having serrated steel shanks with ferrules of plated steel

Attachment: Swaging or crimping equipment

Combination Nipple



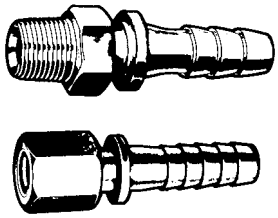
Service: Low or medium pressure suction and discharge of water, fluids, and material handling

Size Range: 1/2″ to 12″

Description: Tubular steel, stainless, malleable iron, aluminum or brass with serrated shank; NPT male threads, grooved, or beveled for welding

Attachment: Clamps or bands

Steel Nipple



Service: Medium to high pressure: wide variety of applications.

Size Range: 1/4″ to 1″

Description: Machined from cold drawn bar steel, heat treated for toughness

Attachment: Interlocking clamps

Single Bolt Clamp

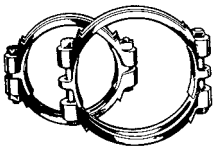
Service: Low pressure, and suction service on shank couplings, combination nipples, and pipe nipples

Size Range: 7/8″ to 5 1/4″ hose O.D.

Description: Cast malleable iron, plated.

Attachment: Bolted on hose

Double Bolt Clamp



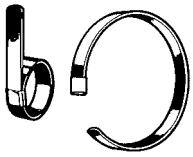
Service: Low or medium pressure, and suction service with large sizes of combination nipples, or couplings

Size Range: 3 1/2″ to 17 1/2″ hose O.D.

Description: Cast malleable iron, plated, and brass

Attachment: Applied over hose and bolted into position

Band Clamp



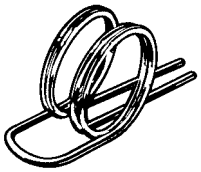
Service: Low or medium pressure, and suction service

Size Range: 3/4″ to 6″ hose O.D.

Description: Pre-formed flat stainless steel, high carbon steel

Attachment: Special locking band tool

Wire Hose Clamp



Service: Suitable for medium pressure, air, water or general purpose hose; good for hose with helical wire or corrugations; available in larger sizes for pin lug, serrated pipe nipple or combination nipples

Size Range: 5/8″ to 13 1/4″ hose O.D.

Description: Pre-formed round wire made of stainless steel, galvanized steel, copper, bronze or aluminum

Attachment: Wire ends pulled and crimped with special tool or machine

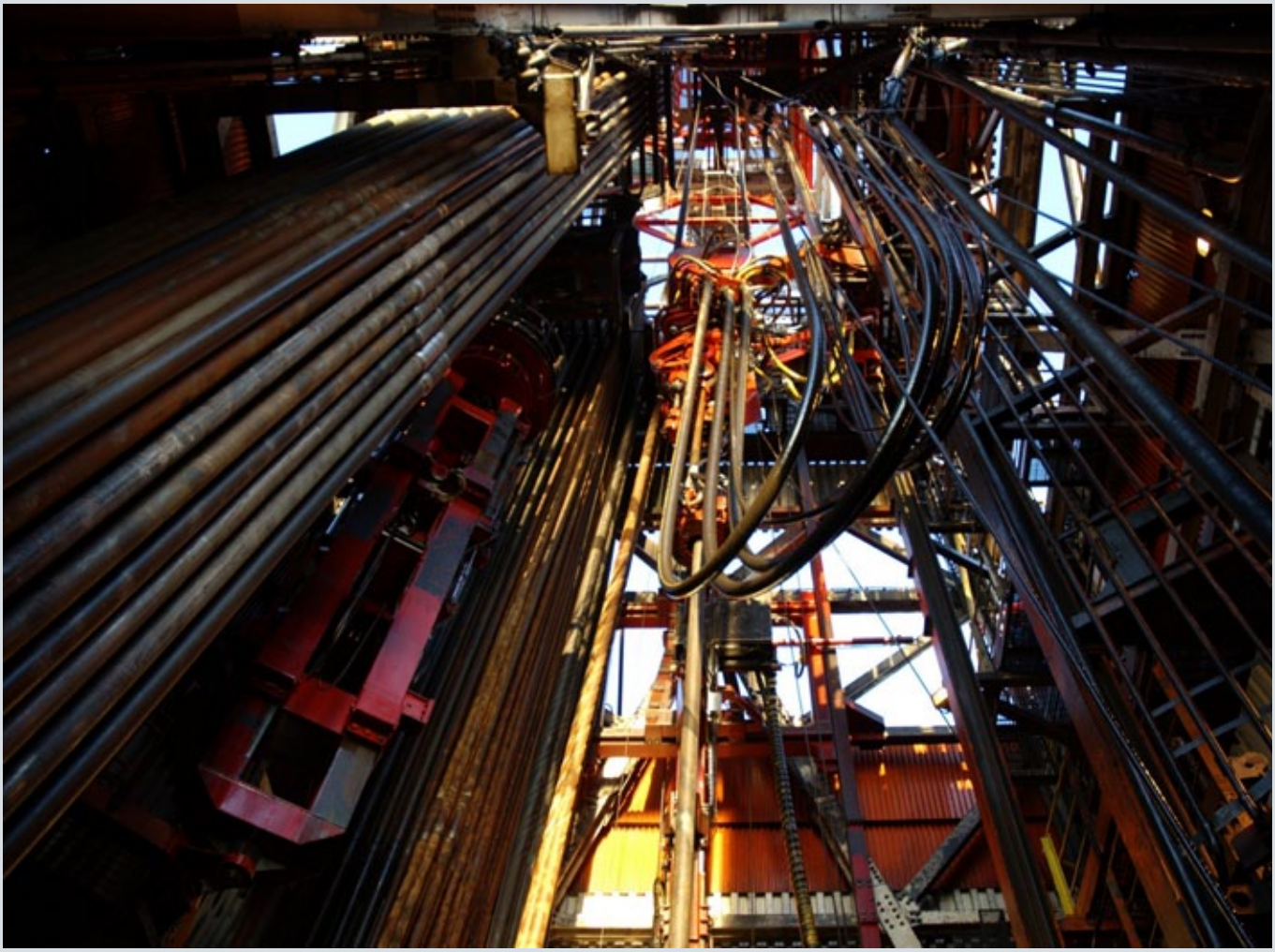
Brass Ferule

Service: Low or medium pressure air or water using general purpose hose and brass inserts

Size Range: 31/64″ to 1 1/2″ hose O.D

Description: Made from various gauge brass tubing; stamped with Standard Industrial Part Number

Attachment: Crimped on using either ribbed or plain die



Notes

Chemical Resistance Charts

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Aluminum Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	G	G	X	G	X	X	F
Aluminum Fluoride	G	G	G	G	G	F	G	G	X	G	G	G	—	G	X	G	G	X	G	X	X	X
Aluminum Hydroxide	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	X	F	G
Aluminum Nitrate	G	G	G	G	G	G	G	G	F	G	G	G	—	X	—	G	G	G	G	X	X	G
Aluminum Sulfate	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G	G	G	G	G	X	X	G
Alums	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	F	G	X	X	F
Ammonia, Anhydrous	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	X	F	G
Ammonia Solution (10%)	G	G	G	G	G	F	G	G	X	G	G	F	X	X	X	—	G	G	—	X	G	G
Ammonium Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	F	G	G	G	X	G	X	G	F
Ammonium Hydroxide	G	G	X	F	F	F	G	G	X	G	G	F	X	X	G	G	G	G	F	X	F	G
Ammonium Nitrate	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	—	—	G
Ammonium Phosphate	G	G	F	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	G	X	X	G
Ammonium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	F
Amyl Acetate	G	G	X	X	X	X	G	G	G	F	X	X	F	X	X	X	X	G	X	G	F	G
Amyl Alcohol	G	G	X	G	G	F	G	G	G	G	G	G	G	X	G	G	G	G	X	G	F	F
Aniline	G	G	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	X	X	G	G
Aniline Dyes	G	G	X	F	F	F	G	G	X	G	F	F	X	X	X	X	X	X	X	X	X	F
Animal Oils and Fats	G	G	G	G	G	X	G	G	—	F	F	X	G	X	F	X	X	G	X	G	G	G
Anti—Freeze (Glycol Base)	G	G	G	G	G	G	G	G	—	G	G	G	G	X	G	G	F	G	G	G	G	G
Aqua Regia	X	X	X	X	X	X	G	F	X	X	X	X	X	X	X	X	X	X	F	—	X	X
Aromatic Hydrocarbons	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	—	G*	G	—	G	G	G
Asphalt Emulsion	X	X	X	G	X	X	G	G	—	X	X	X	G	X	F	X	—	G	F	G	G	G
Barium Chloride	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	G	G	G	G	X	F	G
Barium Hydroxide	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	X	G	G
Barium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	X	G	X	G	G	G	G	G	G	G
Barium Sulfide	G	G	G	G	G	G	G	G	—	G	G	G	X	G	G	G	G	X	G	X	X	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇Use Pinpricked Hose for Gas Applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Beet Sugar Liquors	G	G	G	G	G	G	G	G	G	X	G	G	—	X	G	G	G	G	—	X	G	G
Benzaldehyde	G	G	X	X	X	X	G	G	G	F	X	X	X	X	X	X	X	G	X	F	F	G
Benzene, Benzol	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	F	X	X	G	F	G	G	G
Benzoic Acid	G	G	X	X	X	G	G	G	X	X	X	X	X	X	G	G	G	X	G	F	X	F
Black Sulfate Liquor	G	F	X	F	F	G	G	G	X	G	F	X	G	X	X	G	G	X	G	X	G	G
Bleach Solution	F	F	F	X	X	X	G	G	X	G	F	X	F	F	G	G*	G	X	G	X	X	G
Borax Solution	G	G	G	F	F	G	G	G	—	G	G	G	G	G	G	G	G	G	G	G	G	G
Boric Acid	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	X	X	G
Brake Fluid (Glycol Ether Base)	G	G	X	X	X	F	G	G	—	G	X	X	—	X	G	—	X	G	X	G	G	G
Brine	G	G	G	G	G	G	G	G	—	G	G	G	G	X	G	G	G	G	G	—	X	F
Bromine	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Acetate	G	G	X	X	X	X	G	G	—	F	X	X	F	X	F	—	X	G	X	G	G	G
Butyl Alcohol, Butanol	G	G	X	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	F	G	G	G
Calcium Bisulfite	G	G	G	G	G	G	G	G	X	G	G	G	X	G	X	G	G	G	G	X	X	X
Calcium Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	G	G	G	G	X	F	F
Calcium Hydroxide	G	G	G	F	F	G	G	G	G	G	F	G	G	X	G	G	G	G	G	F	G	G
Calcium Hypochlorite	G	G	G	F	F	F	G	G	X	G	F	X	F	X	G	G	G	X	G	F	X	F
Cane Sugar Liquors	G	G	G	G	G	G	G	G	—	G	G	G	G	X	G	G	G	G	—	F	G	G
Carbon Dioxide (Dry)	G	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G	G	G	G	G
Carbon Dioxide (Wet)	G	G	G	G	G	G	G	G	G	G	G	F	—	G	—	G	G	G	G	F	G	G
Carbon Disulfide (Bisulfide)	F	X	X	X	X	X	G	G	X	X	X	X	X	G	X	—	X	X	—	G	G	G
Carbon Monoxide (Hot)	—	—	X	F	F	F	G	G	X	F	G	X	G	F	G	G	X	X	G	X	F	G
Carbon Tetrachloride	G*	G*	X	X	X	X	G	G	G	X	X	X	F	X	X	—	X	G	X	G	G	G
Carbonic Acid	G	G	G	G	G	G	G	G	—	G	G	G	X	G	X	G	G	G	G	X	X	F
Castor Oil	G	G	G	G	G	F	G	G	—	F	G	X	F	F	G	X	X	G	G	G	G	G
Cellosolve Acetate	G	G	X	X	X	X	G	G	—	F	F	X	X	X	X	X	—	G	G	X	X	G
Chlorinated Solvents	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	—	X	F	X	G	G	F

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇ Use Pinpricked Hose for Gas Applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Chloroacetic Acid	G	G	X	X	X	X	G	G	X	F	X	X	X	X	X	X	X	X	F	X	X	F
Chloro-benzene	G*	G*	X	X	X	X	G	G	X	X	X	X	X	X	—	X	X	X	X	F	F	G
Chlorine Gas (Dry)	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	X	X	X	G	F	F	G
Chlorine Gas (Wet)	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	X	X	X	F	X	X	X
Chloroform	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	X	X	F	U	G	G	G
Chlorosul-fonic Acid	F*	F*	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	X	X	F	X
Chromic Acid (under 25%	G	X	F	X	X	X	G	G	X	G	G	X	X	X	X	G	F	X	G	X	X	G
Chromic Acid (25-40%)	G	X	X	X	X	X	G	G	X	G	G	X	X	X	X	F	X	X	F	X	X	F
Citric Acid	G	G	G	F	F	G	G	G	F	G	G	G	G	X	X	G	G	X	G	X	X	G
Coke Oven Gas	X	X	X	X	X	X	G	G	—	X	X	X	—	X	X	—	G	—	G	F	G	G
Copper Chloride	G	G	G	G	G	F	G	G	X	G	G	G	G	G	X	G	G	X	G	X	X	G
Copper Cyanide	G	G	G	G	G	F	G	G	G	G	G	G	—	G	—	G	G	G	G	X	X	G
Copper Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	G
Corn Syrup (Non-food)	G	G	G	G	G	F	G	G	—	G	F	F	G	G	—	G	G	G	G	—	G	G
Cottonseed Oil	G	G	F	G	G	X	G	G	—	F	F	X	G	G	G	G	G	G	G	G	G	G
Creosote	G	G	X	F	F	X	G	G	X	X	F	X	X	F	F	X	X	X	X	F	—	G
Cresol	G	G	X	X	X	X	G	G	X	X	X	X	X	X	G	X	X	X	—	—	G	G
Cyclohexanol	G	G	X	F	F	F	G	G	G	G	G	F	—	—	G	G	F	G	X	G	F	G
Dextrose (Food Grade)	G	X	X	X	X	X	G	G	X	X	X	X	X	X	X	G	G	X	—	—	—	G
Dichloro-benzene	G*	G*	X	X	X	X	G	G	—	X	X	X	X	X	X	X	X	G	X	—	—	G
Diesel Fuel	G	G	X	G	G	X	G	G	—	X	F	X	F	F	G	—	X	G	—	G	G	G
Diethanol-amine	G	G	X	F	X	X	G	G	—	G	X	F	X	X	—	—	—	G	—	X	G	G
Diethylene-triamine	G	G	X	F	X	X	G	G	X	G	X	F	—	X	—	—	G	X	—	—	—	—
Dowtherm A	—	—	X	X	X	X	G	G	X	X	X	X	X	—	X	X	X	X	X	X	F	G
Enamel (Solvent Base)	G	G	X	F	F	X	G	G	—	X	X	X	G	—	G	—	G	G	—	G	—	G
Ethanolamine	G	G	X	F	F	X	G	G	—	G	X	G	—	X	—	—	G	G	—	X	G	G
Ethers (Ethyl Ether)	G	G	X	X	X	X	G	G	—	X	X	X	X	X	G	X	X	G	X	G	G	G
Ethyl Alcohol	G	G	F	G	G	G	G	G	G	G	G	G	G	G	G	F	G	G	G	F	G	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇Use Pinpricked Hose for Gas Applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Ethyl Acetate	G	G	X	X	X	X	G	G	G	G	X	X	F	X	F	F	G	G	X	G	G	G
Ethyl Acrylate	G	G	X	X	X	X	G	G	—	F	X	X	—	X	F	—	—	X	X	—	G	G
Ethyl Methacrylate	G	G	X	X	X	X	G	G	—	F	X	X	—	X	F	—	—	X	—	—	G	G
Ethylamine	G	G	X	X	X	X	G	G	X	F	X	X	—	X	—	—	G	X	—	G	—	G
Ethyl Cellulose	G	G	X	F	F	F	G	G	—	F	F	G	—	F	G	—	G	F	—	F	G	F
Ethyl Chloride	G*	G*	X	X	X	X	G	G	—	X	X	X	X	F	X	X	X	G	X	F	F	G
Ethylene-diamine	G	G	X	F	X	G	G	G	X	G	F	G	—	X	—	—	G	X	—	G	G	G
Ethylene Dibromide	G	G	X	X	X	X	G	G	—	X	X	X	—	X	—	—	—	F	—	—	—	—
Ethylene Dichloride	G*	G*	X	X	X	X	G	G	—	X	X	X	X	X	X	X	X	F	X	G	X	X
Ethylene Glycol	G	G	G	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	G	F	G	G
Ethylene Oxide	G	G	X	X	X	X	G	G	—	X	X	X	G	X	X	X	X	G	X	X	F	F
Fatty Acids	G	G	G	F	F	X	G	G	G	F	X	X	G	—	F	F	G	G	G	F	F	G
Ferric Chloride 5%	G	G	G	G	G	G	G	G	G	G	G	G	—	F	G	G	G	G	G	X	X	X
Ferric Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	X	X	F
Fertilizer Salts Solution	G	G	G	F	F	F	G	G	—	G	G	G	—	—	—	—	F	G	—	—	—	G
Formaldehyde	G	G	X	F	F	F	G	G	G	G	X	F	F	X	G	G	G	X	G	F	X	G
Formic Acid	G	G	X	F	F	F	G	G	X	G	X	X	X	X	G	G	G	X	—	F	X	G
Freon 12**	—	—	—	—	—	—	G	—	—	—	—	—	—	—	—	—	—	—	—	G	G	G
Freon 134a**	—	—	—	—	—	—	G	—	—	—	—	—	—	—	—	—	—	—	—	—	G	G
Fuel Oil	G	G	F	G	G	F	G	G	—	X	X	X	—	F	G	X	X	G	G	F	G	G
Furfural	G	G	X	X	X	X	G	G	X	F	F	X	—	—	F	X	X	X	X	F	G	G
Gasoline (Refined)	G	G	X	F	F	X	G	G	G	X	X	X	G	F	G	—	X	G	X	G	G	G
Gasoline (Unleaded)	G	G	X	G	G	X	G	G	G	X	F	X	X	X	G	—	X	G	F	G	G	G
Gasoline (10% Ethanol)	G	G	X	G	G	X	G	G	G	X	X	X	X	X	—	—	X	G	F	G	G	G
Gasoline (10% Methanol)	G	G	X	F	F	X	G	G	G	X	X	X	X	X	—	—	X	G	F	G	G	G
Glucose (Non-food)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Glycerine, Glycerol (Non-food)	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	G	G
Greases	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	—	G	G	G	G	G	G
Green Sulfate Liquor	G	G	G	F	F	F	G	G	X	G	G	G	X	G	X	G	G	X	F	X	X	G
Heptane	G	G	X	G	G	F	G	G	G	X	F	X	G	F	G	X	X	G	G	G	G	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇ Use Pinpricked Hose for Gas Applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Hexane	G	G	X	G	G	F	G	G	G	X	F	X	G	F	G	X	X	G	X	G	G	G
Houghto Safe 273 to 640	G	G	F	G	G	G	G	G	—	G	—	F	—	X	G	—	G	G	—	G	G	G
Houghto Safe 5046, 5047F	G	G	G	G	G	G	G	G	—	X	X	X	G	X	G	—	G	G	—	G	G	G
Houghto Safe 1000 Series	G	G	X	X	X	X	G	G	—	G	X	X	—	X	—	—	X	G	—	G	G	G
Hydraulic Oils:																						
Straight Petroleum Base	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	F	G	G	G	G	G	G
Water Petroleum Emulsion	G	G	—	G	G	F	G	G	—	X	F	X	G	X	G	—	F	G	—	G	G	G
Water Glycol	G	G	X	G	G	G	G	G	G	G	X	F	X	X	G	—	—	G	—	G	G	G
Hydraulic Oils:																						
Straight Phosphate Ester	G	G	X	X	X	X	G	G	G	G	X	X	—	X	G	—	X	G	—	G	G	G
Phos. Ester/ Petroleum Blend	G	G	X	X	X	X	G	G	G	X	X	X	—	X	G	—	X	G	—	G	G	G
Polyol Ester	G	G	—	G	G	X	G	G	—	X	—	X	—	G	G	—	—	G	—	G	G	G
Hydrobromic Acid (under 48%)	G	G	G	X	X	X	G	G	X	G	G	X	X	X	G	G	G	X	G	X	X	X
Hydrochloric Acid	G	G	G	X	X	X	G	G	X	G	G	X	X	X	G	G	G	X	G	X	X	X
Hydrocyanic Acid	G	G	G	F	F	X	G	G	X	F	G	X	X	—	X	G	G	X	F	X	F	G
Hydrofluoric Acid (under 50%)	G	G	F	X	X	X	G	G	X	F	G	X	X	X	X	G	F	X	G	X	X	G
Hydrofluoric Acid (over 50%)	G	G	X	X	X	X	G	G	X	X	G	X	X	X	X	G	X	X	G	X	X	G
Hydrofluosilicic Acid	G	G	G	F	F	X	G	G	X	G	G	X	—	—	G	—	G	X	—	X	X	X
Hydrogen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F	—	—	F	—	—	G
Hydrogen Peroxide	F	F	—	X	X	X	G	G	X	F	X	X	—	—	G	X	G	X	F	X	X	G
Hydrogen Sulfide	G	G	G	X	X	X	G	G	X	X	F	X	G	—	X	G	G	X	G	F	F	F
Hydrolube	G	G	G	G	G	F	G	G	—	G	—	—	F	X	—	—	G	G	—	G	G	G
Iodine	F	F	X	F	X	X	G	G	X	G	G	X	—	X	G	X	X	X	X	X	X	X
Isocyanates	G	X	X	X	X	X	G	—	X	X	X	X	X	X	X	—	X	X	—	—	—	—
Isopropyl Alcohol, Isopropanol	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	—	G	G	G	G	G	G
Isopropylamine	G	G	X	X	X	F	G	G	—	F	X	F	—	—	—	—	—	X	—	G	—	G
Iso-Octane	G	G	X	G	G	F	G	G	G	X	F	X	G	X	G	—	X	G	X	G	G	G
Jet Fuel (Transfer Only)	G	G	X	G	G	F	G	G	G	X	X	X	G	F	G	—	X	G	X	G	F	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇Use Pinpricked Hose for Gas Applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Kerosene	G	G	X	G	G	F	G	G	G	X	F	X	F	G	G	X	X	G	X	G	G	G
Lacquer	G	G	X	X	X	X	G	G	G	X	X	X	X	X	F	X	F	G	X	G	X	G
Lacquer Solvents	G	G	X	X	X	X	G	G	G	X	X	X	F	X	F	X	F	G	X	G	X	G
Lactic Acid	G	G	G	X	X	G	G	G	G	F	G	X	X	X	X	G	G	G	G	F	F	G
Lime Sulfur	G	G	G	X	X	G	G	G	F	G	F	F	—	—	—	G	G	G	G	X	—	G
Lindol	G	G	—	X	X	X	G	G	G	G	X	X	—	X	—	—	—	G	X	F	G	G
Linseed Oil	G	G	G	G	G	X	G	G	G	X	F	X	F	F	G	X	G	G	G	F	G	G
Lubricating Oils	G	G	G	G	G	F	G	G	G	X	F	X	G	F	G	X	G	G	G	G	G	G
Lye	G	G	G	F	F	G	G	G	F	G	G	G	—	X	F	—	G	G	—	F	X	G
Magnesium Chloride	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	F	F	G
Magnesium Hydroxide	G	G	G	F	F	G	G	G	G	G	F	G	—	X	G	G	G	G	G	G	G	G
Magnesium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	—	—	G	G	G	G	G	F	G	G
Mercuric Chloride	G	G	F	F	F	G	G	G	X	G	G	F	—	—	X	G	G	X	G	X	X	X
Mercury	G	G	F	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G	G	X	G	G
Methyl Alc., Methanol	G	G	X	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	X	F	G	G
Methyl Acrylate	G	G	X	X	X	X	G	G	X	F	X	X	—	X	X	—	—	X	—	G	G	G
Methyl Bromide	X	X	X	X	X	X	G	G	F	X	X	X	X	X	X	X	X	G	X	G	G	G
Methyl Chloride	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	F	X	X	G	X	G	G	G
Methylene Chloride	G*	G*	X	X	X	X	G	G	F	X	X	X	X	X	X	X	X	F	X	G	G	G
Methyl-t-Butyl Ether (MTBE)	G	G	X	F	F	X	G	G	G	X	X	X	—	—	G	—	—	G	—	—	G	G
Methyl Ethyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	G	X	X	X	G	G	X	G	G	G
Methyl Iso-butyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	—	X	X	X	G	G	X	G	G	G
Methyl Iso-propyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	—	X	X	—	G	G	X	G	G	G
Methyl Methacrylate	G	G	X	X	X	X	G	G	—	X	X	X	—	X	X	—	—	G	—	—	G	G
Mineral Oil	G	G	F	G	G	F	G	G	G	X	F	X	G	G	G	X	X	G	G	G	G	G
Mineral Spirits	G	G	X	G	G	F	G	G	G	X	X	X	G	F	G	—	G	G	—	G	G	G
Naphtha	G	G	X	F	F	F	G	G	G	X	X	X	G	F	G	X	G	G	X	F	G	G
Napthalene	G	G	X	X	X	X	G	G	G	X	X	X	F	F	G	X	X	G	X	F	G	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇ Use Pinpricked Hose for Gas Applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Nickel Acetate	G	G	G	X	X	G	G	G	G	G	G	G	—	X	—	G	G	G	G	G	G	G
Nickel Chloride	G	G	G	G	G	F	G	G	G	G	G	G	X	X	G	G	G	G	G	X	X	F
Nickel Sulfate	G	G	G	G	G	F	G	G	G	G	G	G	—	F	G	G	G	G	G	X	X	G
Nitric Acid (under 35%)	G	F*	G	X	X	X	G	G	X	F	F	X	X	X	X	G	F*	X	G	X	X	G
Nitric Acid (35% to 60%)	F	X	F	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	G	X	X	G
Nitric Acid (over 60%)	X	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	G	X	X	G
Nitrobenzene	G	G	X	X	X	X	G	G	—	X	X	X	X	X	X	X	X	X	X	F	G	G
Nitrogen Gas ◇	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	—	G	G	—	G	G	G
Nitrous Oxide	G	G	X	X	X	X	G	G	F	X	X	G	X	X	X	—	X	F	G	G	G	G
Oleic Acid	G	G	F	F	F	X	G	G	G	F	F	X	G	F	G	X	G	G	G	F	F	G
Oleum (Fuming Sulfuric Acid)	X	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	X	X	F	G
Oxalic Acid	G	G	G	X	X	X	G	G	X	G	X	X	X	—	G	G	G	X	G	F	X	G
Oxygen (non-breathing, non-welding) ◇	G	G	G	F	F	G	G	G	G	G	G	F	G	G	G	G	G	G	G	G	G	G
Ozone (300 pphm)	F	F	X	X	X	X	G	G	X	G	G	X	X	G	G	X	X	X	X	—	F	G
Paint (Solvent Base)	G	G	X	F	F	X	G	G	G	X	X	X	—	X	—	—	F	G	—	G	G	G
Palmitic Acid	G	G	F	F	F	F	G	G	G	F	X	X	G	X	G	F	G	G	F	X	F	F
Paper Mill Liquors	G	G	X	F	F	F	G	G	X	G	F	F	X	X	—	—	X	X	—	—	—	—
Pentane	G	G	X	G	G	F	G	G	—	X	F	X	G	X	G	—	X	G	X	G	G	G
Perchloro-ethylene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	—	F	X	F	F	G	G
Petroleum Ether	G	G	X	G	F	X	G	G	G	X	X	X	—	G	G	X	X	G	F	G	G	G
Petroleum Oils	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	—	G	G	—	G	G	G
Phenol	G	G	X	X	X	X	G	G	X	X	X	X	X	—	G	X	X	X	X	F	X	F
Phosphoric Acid (to 85%)	G	G	G	X	X	F	G	G	X	G	G	F	X	X	X	G	G	X	G	X	X	F
Picric Acid (Molten)	X	X	X	X	X	X	G	G	X	X	F	X	X	X	X	G	X	X	X	X	X	F
Picric Acid (Solution)	G	G	X	F	F	X	G	G	X	F	G	X	X	F	X	G	X	X	X	X	X	F
Potassium Chloride	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	F	X	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

◇ Use Pinpricked hose for gas applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Potassium Cyanide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	G	G	F	X	G	G
Potassium Dichromate	G	G	G	X	X	X	G	G	—	G	X	X	—	G	G	G	G	F	G	X	G	G
Potassium Hydroxide	G	G	G	F	F	F	G	G	F	G	G	G	F	X	G	G	G	G	G	F	X	G
Potassium Permanganate	G	G	G	X	X	X	G	G	X	G	G	G	X	X	—	X	G	X	G	—	—	—
Potassium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	F	F	G
Propane Liquid***	—	—	—	G	—	—	—	G	—	—	—	—	—	—	—	X	—	—	—	G	G	G
Propylene Glycol	G	G	F	G	F	G	G	G	—	G	G	G	G	—	G	G	G	G	—	F	G	G
Pyridine	G	G	X	X	X	X	G	G	X	F	X	X	X	X	X	—	G	X	—	F	G	G
Sea Water	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	F	G
Silver Nitrate	G	G	G	G	G	G	G	G	G	G	G	G	—	G	—	G	G	G	G	X	X	F
Skydrol	G	G	X	X	X	X	G	G	G	G	X	X	—	X	G	—	X	G	—	G	G	G
Soap Solution	G	G	G	G	G	F	G	G	G	G	G	X	G	G	G	G	X	G	G	G	G	G
Sodium Bicarbonate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Sodium Bisulfate	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	F	F	F
Sodium Bisulfite	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	X	G
Sodium Borate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	—	—	G	G	—	G	G	G
Sodium Carbonate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G
Sodium Chloride	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	F	G
Sodium Cyanide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	F	G
Sodium Hydroxide	G	G	G	F	F	G	G	G	F	G	G	G	—	X	F	G	G	G	F	F	X	G
Sodium Hypochlorite	G	G	G	X	X	X	G	G	X	G	G	X	G	X	F	G	G	X	G	X	X	F
Sodium Nitrate	G	G	G	G	G	F	G	G	G	G	G	G	G	F	G	G	G	G	G	F	G	G
Sodium Perborate	G	G	G	G	G	X	G	G	F	G	X	G	G	X	X	—	G	G	—	F	F	G
Sodium Peroxide	G	G	X	F	F	F	G	G	X	G	F	X	G	X	X	—	X	G	—	X	F	G
Sodium Phosphates	G	G	G	G	G	F	G	G	G	G	G	G	G	G	X	G	G	G	G	F	F	F
Sodium Silicate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇Use Pinpricked Hose for Gas Applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Sodium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Sodium Sulfide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	G
Sodium Thiosulfate	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G	G	G	G	G	X	X	G
Soybean Oil	G	G	F	G	G	F	G	G	—	F	G	X	G	G	G	—	G	G	—	G	G	G
Stannic Chloride	G	G	G	G	G	X	G	G	X	G	G	G	G	G	G	G	G	F	G	X	X	X
Steam 450°F	X	X	X	X	X	X	G	G	X	G	X	X	X	X	X	—	X	X	—	F	F	G
Stearic Acid	G	G	F	F	F	F	G	G	G	F	F	X	G	G	G	G	G	G	F	X	X	G
Stoddard Solvent	G	G	X	G	G	F	G	G	G	X	X	X	G	G	G	X	X	G	G	G	G	G
Styrene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	—	X	G	X	G	G	G
Sulfur 70°F	G	G	F	X	X	G	G	G	G	G	G	X	G	F	G	G	G	G	G	X	X	G
Sulfur 200°F	X	X	X	X	X	X	G	G	X	X	G	X	X	X	X	—	X	X	—	X	X	G
Sulfur Chloride	G	G	X	X	X	X	G	G	X	X	F	X	X	X	G	—	G	X	—	X	X	X
Sulfur Dioxide	X	X	X	X	X	X	G	G	X	G	X	X	X	X	X	X	X	X	F	X	—	G
Sulfuric Acid (under 50%)	G	G	G	X	X	X	G	G	X	G	G	X	X	X	X	G	G	X	G	X	X	X
Sulfuric Acid (51% to 70%)	G	G	G	X	X	X	G	G	X	F	G	X	X	X	X	X	X	X	F	X	X	X
Sulfuric Acid (71% to 95%)	G	F	X	X	X	X	G	G	X	F	F	X	X	X	X	X	X	X	G	X	X	X
Sulfuric Acid (96% to 98%)	G	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tannic Acid	G	G	G	F	F	F	G	G	X	G	G	G	G	G	G	G	G	X	G	F	X	G
Tar	X	X	X	F	F	F	G	G	G	X	X	X	G	F	F	—	X	X	—	F	F	G
Tartaric Acid	G	G	G	G	G	F	G	G	G	G	G	G	—	G	G	G	G	G	G	F	X	F
Tetrachloro-ethane	G*	G*	X	X	X	X	G	G	—	X	X	X	X	X	X	—	F	F	X	—	—	G
Tetrahydro-furan (THF)	G	G	X	X	X	X	G	G	—	X	X	X	—	X	—	X	X	G	X	—	—	G
Toluene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	X	G*	G	X	G	G	G
Transmission Oil (Petrol. Base)	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	X	G	G	—	G	G	G
Trichloro-ethane	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	—	G*	F	—	G	G	G
Trichloro-ethylene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	X	G*	F	—	G	G	G
Tung Oil	G	G	—	G	G	F	G	G	—	X	F	X	G	F	X	—	—	G	—	F	G	G
Turpentine	G	G	X	F	F	X	G	G	G	X	X	X	F	X	F	X	G	G	G	F	G	G
Urea (Water Solution)	G	G	G	X	X	G	G	G	G	G	G	G	G	G	G	G	G	G	G	—	G	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇Use Pinpricked Hose for Gas Applications

Chemical Compatibility

Charts

Fluid	Hose and Tubing Material																			Metals		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	EVA	LLDPE	Nylon 11	PVC / PU Blends	Brass	Steel	316 Stainless
Uric Acid	G	G	G	—	—	—	G	G	G	—	—	—	X	X	—	G	G	G	G	—	—	F
Varnish	G	G	X	X	X	X	G	G	G	X	X	X	—	X	F	X	G	G	X	G	G	G
Vegetable Oil (Non-food)	G	G	F	G	G	X	G	G	G	X	G	X	—	G	—	X	G	G	G	G	G	G
Vinegar	G	G	G	F	F	G	G	G	X	G	G	F	—	X	F	G	G	G	—	X	F	G
Vinyl Acetate	G	G	X	X	X	X	G	G	—	F	X	X	—	X	—	X	—	G	X	F	G	G
Water (non-potable)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Water—Glycol Mixture	G	G	X	G	G	G	G	G	G	G	X	F	X	X	G	G	—	G	G	G	G	G
Water—Petroleum Mixture	G	G	—	G	G	F	G	G	G	X	F	X	G	X	G	G	F	G	G	G	G	G
Xylene	G*	G*	X	X	X	X	G	G	G	X	X	X	F	X	X	X	G*	G	X	G	G	G
Zinc Chloride	G	G	G	G	G	G	G	G	X	G	G	G	X	G	X	G	G	X	G	X	X	X
Zinc Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	—	G	X	G	G	G	G	X	X	G

G - Good F - Fair X - Not Recommended — - Insufficient Information *For Intermittent Transfer Only **Use Approved Freon Hose

***Use Propane Approved Hose Only ◇Use Pinpricked Hose for Gas Applications

Notes

General Hose Information

General Hose Information

Hose Construction

Hose Construction

A hose consists of three components including the tube, reinforcement, and cover. Each component serves an important function in contributing to the overall performance of the hose.

Components of a hose:

Tube functions:

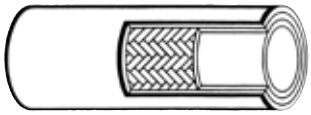
- Conveys media
- Temperature resistant
- Protects reinforcement and cover
- Dissipates static electricity

Reinforcement functions:

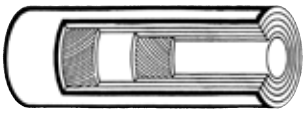
- Supports pressure/ vacuum
- Supports tube
- Controls elongation/ shrinking of hose OD/ID
- Helps fitting retention

Reinforcement types:

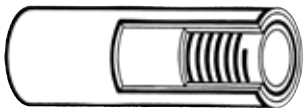
1) Braid - carbon steel or fiber
2) Spiral - carbon steel or fiber
3) Helical - carbon steel



Braid reinforcement



Spiral reinforcement



Helical reinforcement

Cover functions:

- Protects reinforcement from external environment
- Provides weather, abrasion, chemical, temperature, and ozone resistance

Hose Selection

Selecting the proper hose for an application is critical to ensure safety of people and property, as well as long hose life. Therefore, it is important to understand the factors involved.

These factors are:

- Application
- Pressure and/or suction
- Environment
- Compatibility with material conveyed
- Temperature
- Size
- Flexibility
- Bend radius
- Weight

Application

The first step in properly selecting a hose is to identify the application and material to be transferred. Then consider the hoses available for that type of service. Eaton Industrial hose is intended for specific applications and materials.

WARNING Hose use and care:

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.

A special application consideration, especially in gases, petroleum-based liquids, volatile solvents, and dry material transfer applications, is whether the velocity of the material being transferred will cause static buildup. This, in turn, can cause an explosion.

According to ARPM Hose Handbook 8th edition 2009:

Electrical engineers differ in opinion on the effects of static electricity and the means of dissipating it. In handling gasoline and other petroleum-based liquids, recognized national associations and companies have conflicting opinions on the need for conductive hoses.

Until a consensus is reached among all associations, laboratories and users and a standard practice is established, it is essential that the user determine the need for a static bonded hose based on (a) the intended use of the hose, (b) instructions from the company's Safety Division, (c) the ensurer, and (d) the laws of the States in which the hose will be used.

Some types of hose include a body reinforcing wire. This wire can be used for electrical continuity provided that proper contact is made between it and the hose coupling. This can be done by extending the body wire to the ends of the hose, or by attaching a light static wire to the outermost coils of the body wire. This lighter wire is led through the ends of the hose and attached to the couplings. In nonwire reinforced hose, a static wire can be included in the hose body.

The tendency has been toward a grounding connection completely separate from the hose or to have the tube or cover of the hose conducting. Examples would be sand blast hose with conducting tube or aircraft fueling hose with a conducting cover.

An internal static wire could break or lose contact with the couplings and not be detected visually. This could occur from an unusual stress imposed on the hose.

Finally, be aware that many industries have governing agencies that issue mandatory or suggested guidelines for the use of hose in certain applications.

General Hose Information

Hose Construction

Pressure & Suction

The selected hose and coupling must be able to continually withstand the maximum pressure that will be generated in the application.

WARNING Hose use and care: 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 Industrial hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

It may be reassuring to know that every length of Eaton Industrial chemical transfer hose is pressure tested to 1-1/2 times the working pressure before it is packaged and shipped.

CAUTION In suction applications, suction (or vacuum) considerations are as critical to hose life as pressure considerations. Hoses in these applications are vulnerable to crushing forces because the atmospheric pressure outside the hose is greater than the pressure inside the hose. A hose not having the proper suction rating for your applications may collapse and result in equipment failure.

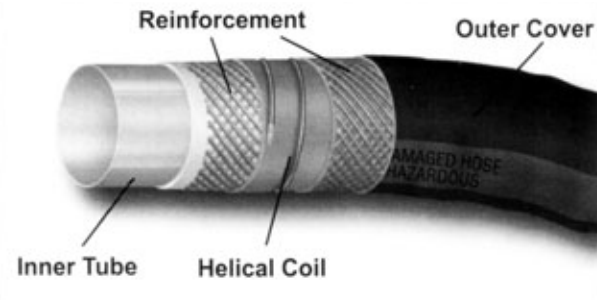
Eaton Industrial suction hoses have helical wire reinforcement and are rated for full vacuum. "Inches of mercury" is the standard of measurement for vacuum. Full vacuum is equal to 29.92 inches of mercury.

Environment & Compatibility

Environment refers to both the external environment and the internal environment in which the hose will be working. Different components of the hose will be affected by these two types of environment.

Most hoses consist of three components: an inner tube, a reinforcement, and an outer cover.

Elastomers are the basic ingredient of all rubber compounds. However, be aware that when specifying tube and cover compounds, significant application differences may exist between two compounds listed as having the same basic elastomer.



For example, Eaton Industrial's Tiger and Otter hoses list inner tubes made from EPDM, but *recommended* use for each of these hoses is quite different.

These differences occur because compounds contain many materials in addition to elastomers. Some of these materials include processing aids, carbon black, vulcanization agents, accelerators, age resistors, and other ingredients. Before making assumptions about the suitability of a particular hose for a given application, always read the "Applications" information for each specific hose listed in this catalog.

The first hose component, the inner tube, conveys the material being transferred. The tube must be compatible with these materials. This is the hose's internal environment. Whenever you specify a Eaton Industrial hose, refer to the chemical resistance chart in this catalog.

DANGER Never transfer material in an inner tube that is not compatible with that material. Likewise, never use hose at temperatures, pressures, or chemical concentrations above those recommended by Eaton. Doing so will weaken or deteriorate the hose, leading to leakage, hose bursting, or end blow-offs. Personal injury or death can result.

The next hose component, the reinforcement, is the strength member of the hose. Reinforcement usually consists of fiber, thermoplastic, carbon steel, or stainless steel spirals, braids and coils. The helical coil is used in all hardwall hoses and is required in vacuum and suction applications. The coil is necessary to help the hose withstand atmospheric pressure that is greater than the internal pressure of the hose to prevent the hose from collapsing. It is usually made of steel or thermoplastic monofilament.

General Hose Information

Hose Construction

The final hose component is the outer cover. The outer cover protects the reinforcement from the external environment. It is usually rubber, thermoplastic, fiber, or metal. The hose outer cover must protect against weathering, abrasion, chemicals, extreme temperature ranges, ozone, and other adverse conditions.

The "Elastomers" chart in this catalog (page P-14) contains a listing of general characteristics of some common elastomers and their physical properties as they relate to specific service needs. When application questions arise, contact Eaton Technical Support:

North America contact Eaton Technical Support 1-888-258-0222

For global support contact your local Eaton technical representative.

Heat can be a catalyst for chemical reaction. When selecting a Eaton Industrial hose, consider both the ambient temperature and the temperature of the material being conveyed.

WARNING Do not use a 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.

Cold temperatures are another consideration. Hose must be flexible and be able to withstand temperatures well below 0°F in some applications.

Be aware that rated hose temperatures do not imply that a hose can handle all materials within the listed temperature range and concentration.

For specific application information and hose temperature ratings, always follow the guidelines in this catalog, or contact Eaton Technical Support:

North America contact Eaton Technical Support 1-888-258-0222

For global support contact your local Eaton technical representative.

All chemicals listed in the chart are rated at 70°F unless otherwise stated.

Size

Size can refer to the length of the hose, the inner diameter (I.D.), and the outer diameter (O.D.). To determine the correct length of hose for an application, always remember to subtract the cut-off factor for each end fitting or coupling from the overall length of the assembly. For example, if the total length of the assembly needs to be 20 feet, and each end extends past the hose three inches, the cut-off factor is three inches at each end, or six inches total. Twenty feet minus six inches yields a hose length of 19-1/2 feet.

Remember to subtract the cut-off factor for each end fitting when preparing hose.

Inner diameter is important in relation to volume transfer requirements. The larger the hose inner diameter, the greater the volume of material that can be transferred in a given time.

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.

Cut-off Factor

Hose Maintenance

Hose has a limited life based on the severity and type of chemical contact, environment or exposure to heat and petroleum products. Eaton recommends the following maintenance procedure to determine when hose should be replaced.

General Test and Inspection Procedures for Hose

An inspection and hydrostatic test should be done periodically to ensure hose is suitable for continued service.

A visual inspection of the hose should be made for loose covers, kinks, bulges, or soft spots which might indicate broken or displaced reinforcement. The couplings or fittings should be closely examined and, if there is any sign of movement of the hose from the couplings, the hose should be removed from service.

The periodic inspection should include a hydrostatic test for one minute at 150 percent of the recommended working pressure of the hose. During the hydrostatic test, the hose should be straight, not coiled or in a kinked position. Water is the usual test medium and, following the test, the hose may be flushed with alcohol to remove traces of moisture. A regular schedule for testing should be followed and inspection records maintained.

Hose Inspection

Hose assemblies shall be inspected and tested immediately after the hose is subjected to abnormal abuse such as: severe end pull, flattening or crushing or sharp kinking. As you inspect a hose assembly, remember that most hose failures occur between the coupling and the first three feet along the hose length. Pay close attention to this area. Any hose that has been recoupled shall be proof-tested for one minute at 150 percent of the recommended working pressure of the hose, and inspected before being placed in service.

SAFETY WARNING: Before conducting any pressure tests on hose, provision must be made to ensure the safety of the personnel performing the tests and to prevent any possible damage to property. Only trained personnel using proper tools and procedures should conduct any pressure tests.

The following guidelines should be adhered to during testing and/or inspection:

1. **Air or any other compressible gas must never be used as the test medium because of the explosive action of the hose should a failure occur. Such a failure might result in possible damage to property and serious bodily injury.**
2. **Air should be removed from the hose by bleeding it through an outlet valve while the hose is being filled with the test medium.**
3. **Hose to be pressure tested must be restrained by placing steel rods or straps close to each end and at approximate 10 foot (3m) intervals along its length to keep the hose from "whipping" if failure occurs; the steel rods or straps are to be anchored firmly to the test structure but in such a manner that they do not contact the hose which must be free to move.**
4. **The outlet end of hose is to be bulwarked so that a blown-out fitting will be stopped.**
5. **Provisions must be made to protect testing personnel from the forces of the pressure medium if a failure occurs.**
6. **Testing personnel must never stand in front of or in back of the ends of a hose being pressure tested.**
7. **If liquids such as gasoline, oil, solvent, or other hazardous fluids are used as the test fluid, precautions must be taken to protect against fire or other damage should a hose fail and the test liquid be sprayed over the surrounding area.**

Visual Inspection

1. Hose

Any cuts, gouges or tears in the cover which do not expose the reinforcement should be repaired before the hose is returned to service. If the reinforcement is exposed, retire the hose from service.

Covers may show surface cracking or crazing due to prolonged exposure to sunlight, ozone, or high temperature during soak tank cleaning. Such deterioration, which does not expose reinforcing materials, is not cause for retirement.

Check for signs of soft spots, blisters, and kinking. If soft spots exist, pressure test the hose assembly and determine whether it is necessary to discard it.

WARNING If cover blisters exist, be careful not to pop them. If the hose was damaged in such a way that material was allowed to leak between the cover and inner tube, the blisters may contain this material. If the material is hazardous and splatters when the blisters are popped, it could cause serious physical injury.

General Hose Information

Hose Maintenance

Look for any indication of kinking or broken reinforcement as evidenced by any permanent distortion, longitudinal ridges, or bulges.

According to RMA IP-11-7 Chemical Hose Bulletin, crushed or kinked spots where the hose O.D. is reduced by 20 percent or more of the normal O.D. indicate the hose probably has internal damage. The hose assembly must be removed from service to ensure the safety of people in the work area.

WARNING: Kinks can cause hose to burst, leading to bodily harm.

Hose containing kinked or crushed spots where the hose O.D. is reduced by 20 percent may be used if the hose passes the hydrostatic tests. Use a caliper to measure the hose outer diameter at several places around the diameter to determine any O.D. reduction. An inspection mirror and a flashlight can be used to inspect the inner tube for abuse, wear, and/or chemical attack.

2. Couplings

All metals are subject to attack by various chemicals. Check with the manufacturer to make sure that suitable end fittings, appropriate to both the hose and the chemical being handled, are being used.

Exposed surfaces of couplings, flanges and nipples shall be examined for cracks or excessive corrosion. Either condition shall cause the hose assembly to be retired from service. Any evidence of coupling or nipple slippage on the hose is cause for removing the hose assembly from service.

The Rubber Manufacturers Association (RMA) has published a series of technical bulletins which detail maintenance, testing, and inspection recommendations.

Because the life expectancy of the hose is limited, the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials. The periodic inspection and testing procedures described here provide a schedule of specific measures which constitute a minimum level of user action to detect signs indicating hose deterioration or loss of performance before conditions leading to malfunction or failure are reached.

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

Hydrostatic Pressure Test

For large-bore hose being used in dock service, an inspection card which describes the hose, manufacturer, date received, purchase order number, and date of installation should be maintained for each hose. The inspection card should be used to record the test results and condition of the hose.

Eaton recommends that new hose assemblies be hydrostatically tested before being placed in service. Hydrostatic testing should be done at periodic intervals to determine if a hose is suitable for continued service. The hydrostatic test and examination shall be conducted in the following manner.

Hose to be pressure tested must be restrained by placing steel rods or straps close to each end and at approximate 10 foot (3m) intervals along its length to keep the hose from "whipping" if failure occurs; the steel rods or straps are to be anchored firmly to the test structure but in such a manner that they do not contact the hose which must be free to move.

1. Hose shall lie in a straight and horizontal position supported on rollers to permit easy movement when under the test pressure.
2. Water should be used as the test liquid. Never pressure test with solvents, corrosive liquids, or with compressed gases.
3. Fill the hose with water with the outlet end raised and the outlet valve open to ensure the complete removal of air. When all the air has been expelled, close the outlet valve and lower the raised end.
4. For new hose, raise the pressure to 2 times the rated working pressure of the hose and hold for 5 minutes. During this hold period, the hose shall be examined for leaks at the couplings, fitting slippage, or for any indication of weakness in the hose structure.
5. For used hose, test with a pressure of 1-1/2 times the rated working pressure of the hose for one minute and examine as above.
6. Completely relieve test pressure from the system prior to releasing hose from test equipment.
7. Thoroughly drain the water from the hose after completion of the hydrostatic test.

Electrical Continuity

When required by the user, electrical continuity between the fittings shall be tested using an ohm meter. The hose must be clean and dry for this test.

General Hose Information

Hose Maintenance

General Care and Maintenance of Hose

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hose should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe end loads for which the hose or hose assembly was not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as to not subject the hose to excessive surge pressures. Hose should not be kinked or be run over by equipment. In handling large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

Hose Repair

There are some circumstances in which chemical hoses can be repaired. For example, if a hose has been kinked near the coupling and a close inspection of the assembly reveals that this is the only damage, the assembly can be repaired.

WARNING Wear safety glasses, gloves, and protective clothing when cutting hose. They will help protect your eyes and skin from flying debris. When recoupling a used hose assembly, begin by cutting the hose far enough beyond the shank to eliminate the possibility of cutting into the shank. When cutting out a kink, cut behind the kink far enough so that the ID/OD of the remaining hose is round. Use calipers to confirm roundness. Make sure to cut the hose squarely. Next wipe the inner tube of the cut end with a clean rag.

Before recoupling the hose, make sure to carefully inspect the tube. This is important because it is easy to see the condition of the tube and reinforcement of the hose when the coupling is cut off. Look for any evidence of deterioration of the hose tube. If there are signs of deterioration, remove the hose assembly from service. If after close inspection none of these signs is present, the hose may be recoupled.

Any hose that has been used to convey an abrasive material, such as plastic pellets and powders, should not be recoupled due to the inherent thickness reduction that results from the transfer of abrasive materials.

Finally, pressure test and tag any recoupled assembly as recommended.

Storage

Proper storage conditions can enhance and extend substantially the ultimate life of hose products. Rubber hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials. The appropriate method for storing hose depends to a great extent on its size (diameter and length), the quantity to be stored, and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom. Since hose products vary considerably in size, weight, and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as would a hose having a heavier wall or hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Storage Do's:

- Whenever feasible, rubber hose products should be stored in their original shipping containers which provide some protection against the deteriorating effects of oils, solvents, and corrosive liquids; shipping containers also afford some protection against ozone and sunlight.
- Certain rodents and insects will damage rubber hose products, and adequate protection from them should be provided. Be sure ends are capped to keep out insects, rodents, and other contaminants that can damage the hose.
- Hose shipped in coils or bales should be stored so the coils are in a horizontal plane.
- Store items on a first-in, first-out basis. Remember that even under the best of conditions, an unusually long shelf life will deteriorate certain rubber products. Inspect and test the hose assembly before placing it in service. Usually, any wear or damage will be apparent during inspection or testing.
- The ideal temperature for the storage of rubber products ranges from 50° to 70°F (10-21°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber products become stiff and will require warming before being placed in service.
- Storage areas should be relatively cool and dark, and free of dampness and mildew. Items should be stored on a first-in, first-out basis, since even under the best of conditions, an unusually long shelf life could deteriorate certain rubber products.

Storage Don'ts:

- Don't pile or stack hose to such an extent that the weight of the stack distorts the lengths stored on the bottom. Remember that hose having a very light wall will not support as much load as a hose having a heavier wall or wire reinforcement.

General Hose Information

Hose Maintenance

- Don't store rubber products near heat sources such as radiators and base heaters, or near electrical equipment that might generate ozone. Also do not store hose for long periods in geographical areas of known high ozone concentration. Ozone ages rubber.
- Don't expose hose to direct or reflected sunlight during storage. This ages rubber
- Don't store uncovered hose under fluorescent or mercury lamps. They generate light waves harmful to rubber.
- Don't hang hose assemblies on hooks, nails, or other devices which could cut or damage hose.

The Rubber Manufacturers Association has published separately a series of Hose Technical Information bulletins describing hoses designed for different applications which detail Maintenance, Testing and Inspection recommendations. Refer to the *ARPM Catalog of Publications*, issued annually, to determine the availability of the latest edition. Bulletins published include the following:

Publication No.

IP 11—1— Steam Hose

IP 11—2 — Anhydrous Ammonia Hose

IP 11—4— Oil Suction and Discharge Hose

IP 11—5— Welding Hose

IP 11—6— Fire Hose

IP 11—7— Chemical Hose

ARPM

1400 K Street, N.W.
Washington, D.C. 20005

RMA Publications order desk: (800) 325-5095

Proper Used Hose Storage

Before placing used hose in storage, completely drain it and flush out any potentially explosive vapors or corrosive residues.

Also make sure you dispose of waste in a manner that complies with federal, state, and local environmental regulations.

WARNING: Take extreme care when flushing out a chemical hose with water. Some chemicals, such as concentrated acids, may react with water and cause spattering. These materials can cause serious personal injury or death if they get into eyes or onto skin. Wear safety glasses, gloves and other protective clothing to help guard against this.

Continue by laying the hose assembly on a solid support, allowing air to circulate through it. This helps extend the hose life. Further, store the hose in a cool, dark, dry place at a temperature ideally between 50°F and 70°F.

Proper Hose Handling

Proper hose handling can help preserve hose assembly life and work environment safety. Therefore, consider the following points when handling hose assemblies.

- Avoid crushing or kinking the hose. This can cause severe damage to the reinforcement that isn't always obvious when looking at the cover.
- Do not drag the hose or lift a large bore hose from the middle of its length with the ends hanging down. Doing so can cause kinking, cover cuts, hose reinforcement damage, and coupling damage.
- Limit the curvature of the hose to the minimum bend radius recommended by the manufacturer. Also avoid sharp bends at the end fittings and at manifold connections.
- Do not exceed pressure and temperature limits because this could damage the hose and ultimately result in serious bodily injury or property damage. Monitor pressure and temperature during hose use.
- Never allow chemicals, solvents, or any other hazardous materials to drip onto ground. Always comply with environmental laws.
- Never allow chemicals to drip on the exterior of a hose or allow hose to lay in a pool of chemicals. The hose cover may not have the chemical resistance of the tube. If a corrosive material comes into contact with the hose reinforcement, the result could be early hose failure.
- Avoid extreme flexing of the hose near the coupling. If necessary, use elbows in the piping system to assure a straight line connection with the hose.
- Protect hose from heat, flame, cutting, and twisting. Use shields or clamps to do this.
- Support hose to avoid mechanical strain on couplings.
- Be aware that dropping or dragging the assembly, chemical incompatibility, exposure to temperature extremes, or extensive internal coupling abrasion can cause leaks and reduce coupling retention.

WARNING: Do not use damaged hose. Doing so could result in serious personal injury or death.

General Hose Information

Hose Care

Cleaning Hose Assemblies

Cleaning of hose assemblies should be done at a facility with the means of disposing of wastes and hazardous materials properly. All water and/or cleaning solutions used should be retained and disposed of in a way that complies with applicable laws.

Eaton Industrial does not recommend that distributors handle hose assemblies that have not been cleaned properly.

When you clean a tank or change the materials to be transferred, clean the hose assemblies. Three methods can be used: the soak tank, the closed loop system, or the rotating brush. The most appropriate method will depend on the hose use and location.

WARNING: Use of pressure wands to clean hose is not recommended. The high concentration of heat and pressure in a confined area can damage the hose inner tube and lead to hose bursting, leakage, spraying, or end blow-offs. This could cause serious personal injury or death.

WARNING: Always wear safety glasses, gloves, and protective clothing when cleaning hose, no matter which hose cleaning method you use. Otherwise, burns, blisters, eye damage or other injuries could occur.

If you choose the soak tank method, the cleaning solution usually caustic soda and water- should be no more than 150°F. Gently lay the hose in the cleaning solution to prevent it from splashing.

Soak the hose no more than 15 minutes to prevent the hose from becoming brittle with a shortened service life. Flush the hose thoroughly with clean water. After making sure that all the water is drained from the hose, store the hose in a cool, dry place. Once the hose has cooled (approximately 45 minutes), cap the ends to keep contaminants out.

The second method of cleaning is the closed-loop system. With this method, the caustic solution used to clean the tank is also pumped through the hose and back to the tank. Typically, fluid is 180°F and is pumped through the system until the tank is clean.

When the cleaning process is complete, flush the hose thoroughly with water. Store the hose in a cool, dry place. Cap the ends to keep contamination out.

WARNING: Strong acids should be thoroughly drained prior to and after cleaning to avoid an exothermic reaction.

Class Oil Resistance

Rubber hose is used to convey petroleum products both in the crude and refined stages. The aromatic content of refined gasoline is often adjusted to control the octane rating. The presence of aromatic hydrocarbons in this fuel generally has a greater effect on rubber components than do aliphatic hydrocarbons. Aromatic materials in contact with rubber tend to soften it and reduce its physical properties. For long lasting service, the buyer of gasoline hose should inform the hose manufacturer of the aromatic content of the fuel to be handled so that the proper tube compound can be recommended for the specific application.

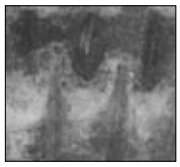
The effects of oil on rubber depend on a number of factors that include the type of rubber compound, the composition of the oil, the temperature and time of exposure. Rubber compounds can be classified as to their degree of oil resistance based on their physical properties after exposure to a standard test fluid. As a guide to the user of the hose in contact with oil, the oil resistance classes and a corresponding description are listed.

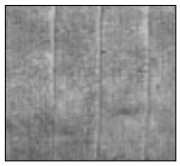
Physical Properties After Exposure to Oil

	Volume Change Maximum	Tensile Strength Retained
Class A (High oil resistance)	+25%	80%
Class B (Medium-High oil resistance)	+65%	50%
Class C (Medium oil resistance)	+100%	40%

General Hose Information

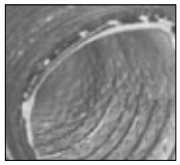
Hose Selection

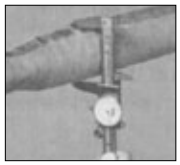

1.

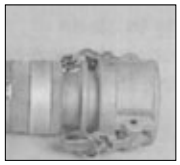

2.

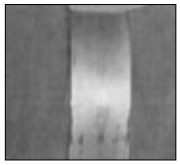

3.


4.


5.


6.


7.


8.


9.

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.

Hose failures can be caused by conditions such as excessive pressures, fluid incompatibility, extreme temperatures and many more. Eaton has illustrated below some of the more common failures. If the conditions you are experiencing are not listed, please contact Technical Support:

for North America contact Eaton Technical support at 1-888-258-0222

for global technical support contact your local Eaton technical representative.

1. **Problem:** The hose has exposed reinforcement and a loose cover. This could be caused by an abrasive environment or the life of the hose has been exceeded.

Solution: Route hose properly to avoid excessive abrasion. Some hoses are made with materials that handle abrasion better.

2. **Problem:** Cracks in the hose cover can be caused by prolonged exposure to sunlight, ozone or high temperatures.

Solution: Store hose in cool dark areas when possible. Do not store or use the hose where the recommended temperature rating is exceeded.

3. **Problem:** Cuts, gouges, or tears in hose tube can be caused by improper cleaning with high-pressure water wand.

Solution: Do not use high pressure water wand to clean hoses. Instead, three cleaning methods are commonly used: the soak tank, the closed loop system or the rotating brush. The most appropriate method will depend on the hose use and location.

4. **Problem:** Bubbling and flaking of the tube material caused by the tube not being compatible with the chemical being conveyed.

Solution: Check the chemical resistance guidelines to make sure the hose you are using is compatible with the chemical(s) being transferred. Also, make sure the hose can handle the application temperatures.

5. **Problem:** Deterioration of the hose tube has caused the reinforcement to be exposed. This may be caused by abrasive material being conveyed through a hose not made for this abrasive material or hose life has been exceeded.

Solution: Make sure that the hose can handle the material being conveyed. Possibly use a hose with a thicker tube.

6. **Problem:** Hose is kinked due to exceeding the minimum bend radius of the hose. The result is damaged reinforcement.

Solution: To avoid this problem, check the minimum bend radius of the hose and route the hose so the minimum bend radius is not exceeded.

7. **Problem:** Improperly banded shank may create a possible leak path.

Solution: Make sure the coupling is secured tightly and according to manufacturer's specifications. Bands should be placed inside of the barbs on the coupling shank, toward the coupling side. The band farthest from the hose end should be tightened first. If two bands are present, Eaton suggests rotating the clamp buckles 180° from each other.

8. **Problem:** Overtightened band could cause leaks, spraying and end blow-offs. Band was applied with excessive pressure and cut the cover of the hose causing reinforcement to be exposed.

Solution: Do not attach bands at pressures that are too high. Apply the bands to the manufacturer's recommended settings.

9. **Problem:** The steam hose has developed cracks in the cover due to heat in the application.

Solution: Steam hose has a limited service life. It should be inspected before every use. Any crack that exposes the reinforcement is a reason for the hose to be removed from service.

General Hose Information

Hose Selection

There are several factors which affect selection of a hose sized such that it will provide the desired rate of flow at the required pressure; these are:

- Hose size
- Hose length
- Hose fittings
- Material conveyed
- Bends
- Static head pressure

Hose Size

Undersized pressure lines produce excessive pressure drop with attendant energy loss and heating, and undersized suction lines cause cavitation at the pump inlet. Oversized hose assemblies, on the other hand, are excessively costly and generally too heavy.

In selecting hose for hydraulic systems, the following empirical values can be used to achieve minimum pressure drop consistent with reasonable hose size (see Chart 2):

Velocity of pressure lines 7 to 15 ft./sec. Velocity of short pressure lines to 20 ft./sec. Velocity of suction lines 2 to 5 ft./sec. To use Chart 2, lay a straight-edge across the chart as shown by the dotted line. To minimize pressure drop, always use the next larger size hose shown if the line passes between sizes listed.

Hose Length

Chart 1 gives the pressure drop in different-sized hoses based on hoses of 100-foot length, and is based on water as the material conveyed. For hoses of a different length, these values must be corrected. For example, a 100-foot length of 1/2" hose causes a pressure drop of 100 lbs./in.^{2} at a flow rate of 10 gal./min. If the hose in question is 50 feet long, the pressure drop derived from Chart 1 must be corrected by multiplying the value by the ratio of the actual length to 100 feet, or 50/100, or 0.5. Therefore, the actual pressure drop caused by a 50-foot length of 1/2" hose, at a flow rate of 10 gal./min. is 50 lbs./in.^{2} (0.5 x 100 = 50 lb./in.^{2}).

Hose Fittings and Fluid Conveyed

In most cases, the end fitting openings are slightly smaller than the hose itself. However, this varies widely with hose fitting designs from 'full-flow' ends which have the same I.D. as the hose, down to as much as 1/8" smaller I.D. than the hose bore. To allow for this, assume a 10-to-15% greater flow rate than actually measured in the system when determining pressure drop.

Chart 1 is based on water as the material conveyed, and for other fluids it is necessary to correct for the difference in specific gravity and viscosity. Chart 3 lists common fluids, their specific gravities, viscosities, and corresponding correction factors. To determine the pressure drop for a specific fluid, first determine the pressure drop from Chart 1 for the hose length then divide this by the correction factor found in Chart 3. For example, the 50-foot length of 1/2" hose just described had a pressure drop of 50 lbs./in.^{2} at a flow of 10 gal./min. of water. To determine the pressure drop if #2 fuel oil is the material conveyed, divide by 0.752 (from Chart 3) 50 ÷ 0.752 = 66.5 lbs./in.^{2} pressure drop. If, on the other hand, the material conveyed is Type #3 gasoline, the pressure drop would be 50 ÷ 1.19 = 42 lbs./in.^{2}

CHART 1. Hose Flow Rate vs. Pressure Drop

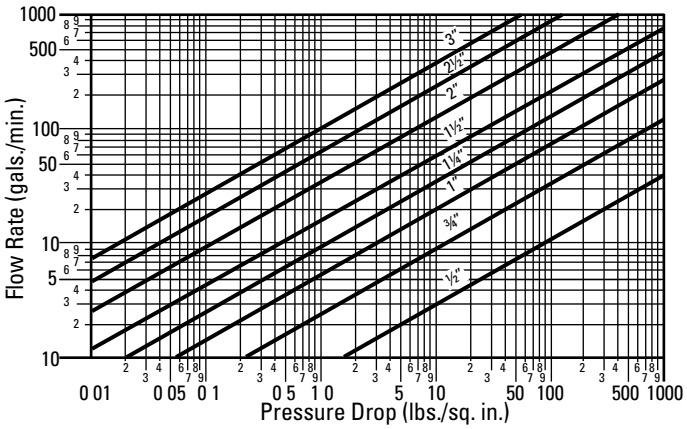
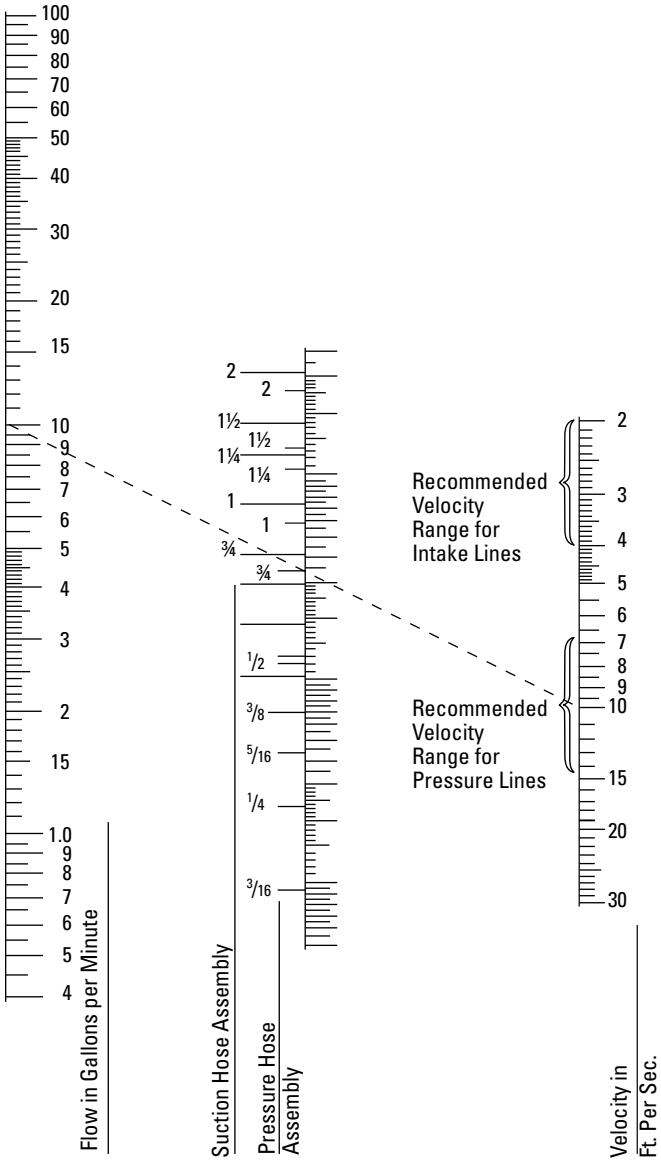


CHART 2. Hose Flow Capacity



General Hose Information

Steam Temperatures

Temperatures of Saturated Steam at Various Pressures

Lbs. Per Sq. Inch Pressure	Degrees Fahrenheit	Degrees Centigrade	Lbs. per Sq. Inch Pressure	Degrees Fahrenheit	Degrees Centigrade
0	212.0	100.0	110	344.1	173.4
5	227.1	108.4	115	347.2	175.1
10	239.4	115.2	120	350.1	176.7
15	249.8	121.0	125	352.9	178.3
20	258.8	126.0	130	355.6	179.8
22	261.2	127.8	135	358.3	181.3
24	265.3	129.6	140	360.9	182.7
26	268.3	131.3	145	363.4	184.1
28	271.2	132.9	150	365.9	185.5
30	274.1	134.5	155	368.2	186.8
32	276.8	136.0	160	370.6	188.1
34	279.3	137.4	165	373.9	189.4
36	281.8	138.8	170	375.3	190.7
38	284.4	140.2	175	377.4	191.9
40	286.7	141.5	180	379.6	193.1
42	289.0	142.8	185	381.7	194.3
44	291.2	144.0	190	383.7	195.4
46	293.5	145.3	195	385.9	196.6
48	295.5	146.4	200	387.9	197.7
50	297.7	147.6	205	398.8	198.8
52	299.9	148.7	210	391.6	199.8
54	301.6	149.8	215	392.9	200.5
56	303.6	150.9	220	395.4	201.7
58	305.4	151.9	225	397.2	202.9
60	307.4	153.0	230	399.0	203.9
62	309.2	154.0	235	400.7	204.8
64	310.8	154.9	240	402.5	205.8
66	312.6	155.9	245	404.2	206.8
68	314.2	156.8	250	406.1	207.8
70	316.0	157.0	255	407.7	208.7
72	317.7	158.7	260	409.4	209.7
74	319.3	159.6	265	411.0	210.6
76	320.9	160.5	270	412.6	211.4
78	322.3	161.3	275	414.2	212.3
80	323.8	162.1	280	415.7	213.2
85	327.6	164.2	300	421.0	216.1
90	331.2	166.2	350	436.5	224.7
95	334.6	168.1			
100	337.8	169.9			
105	341.1	171.7			

WARNING Steam heat is hotter than 212°F (boiling water) and increases in temperature as pressure increases. See safety information on **page A-3**.

General Hose Information

Flow Capacities

Flow Capacities of Hose Assemblies at Suggested Flow Velocities

The chart below is designed and provided as an aid in the determination of the correct hose size.

Example: At 13 U.S. gallons per minute, what is proper hose size within the suggested velocity range for pressure lines?

Solution: Locate 13 U.S. gallons per minute in the left hand column and 10 feet per second in the right hand column (the center of the suggested velocity range for pressure lines). Lay a straightedge across the two points. The inside diameter is shown in the center column nearest the straight edge.

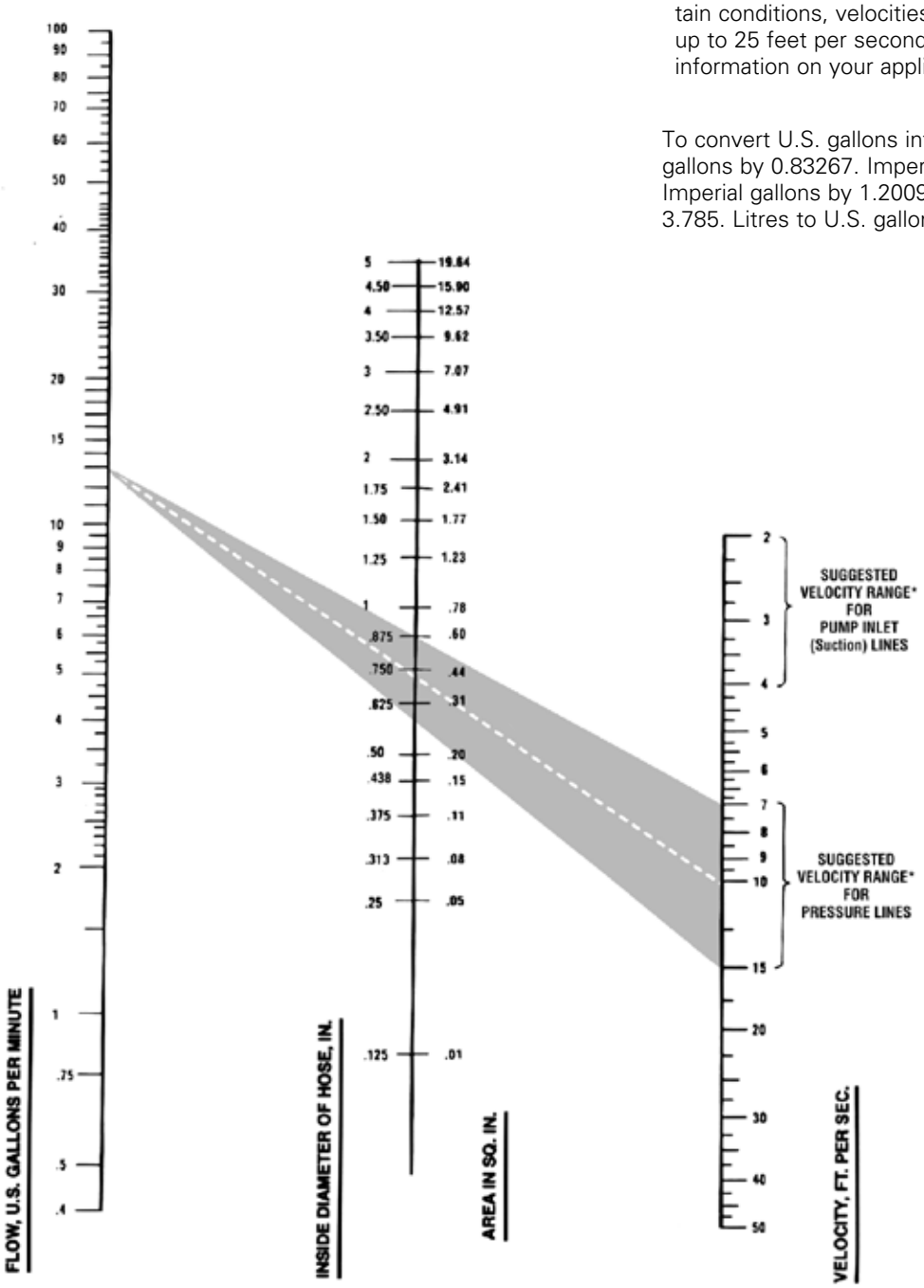
For suction hose, follow the same procedure except use suggested velocity range for pump inlet lines in the right hand column.

Based on Formula

$$\text{AREA (SQ. IN.)} = \frac{\text{G.P.M.} \times 0.3208}{\text{VELOCITY (FT./SEC.)}}$$

*Suggestions are for oils having a maximum viscosity of 315 S.S.U. at +100°F (+38°C) and operating at temperatures between +65°F and +155°F (+54°C to +69°C). Under certain conditions, velocities in pressure lines can be increased up to 25 feet per second. Contact Aeroquip with specific information on your application.

To convert U.S. gallons into Imperial gallons multiply U.S. gallons by 0.83267. Imperial gallons into U.S. gallons multiply Imperial gallons by 1.20095. U.S. gallons to litres multiply by 3.785. Litres to U.S. gallons, multiply by 0.2642.



General Hose Information

Elastomer Chart

The chart below shows the general characteristics of some of the common rubber compounds. Elastomers are mixed with various chemicals to provide a wide range of physical properties for specific service needs.

ASTM Designation	Common Name	Composition	General Properties
CR	Neoprene	Chloroprene	• Good abrasion • Good weathering resistance • Good oil resistance • Flame retarding
NBR	Nitrile (Buna-N)	Acrylonitrile-butadiene	• Excellent oil resistance • Moderate resistance to aromatics
IIR	Butyl	Isobutylene-isoprene	• Excellent ozone resistance • Good resistance to fire resistant fluids • Good heat resistance • Low permeability • Poor resistance to petroleum fluids
CIIR	Chlorinated Butyl	Chloro-isobutylene isoprene	• Same as Butyl
SBR	SBR	Styrene-butadiene	• Good abrasion resistance • Poor resistance to petroleum fluids
EPDM	EPDM	Ethylene-propylene diene terpolymer	• Excellent ozone resistance • Good chemical resistance • Good temperature resistance • Poor resistance to petroleum fluids
XLPE	Cross-Linked Polyethylene	Polyethylene & cross linking agents	• Excellent chemical resistance
EVA	EVA	Ethylvinylacetate	• Excellent flexibility • Chemical resistance
LLDPE	Linear, low density Polyethylene	Linear, low density Polyethylene	• Excellent ESCR resistant • FDA Approved NSF 51 material available
Nylon 11	Nylon 11	Nylon 11	• Good chemical resistance
PVC/PU Blend	PVC/PU Blend	Polyvinyl flouride/polyurethane Blend	• Excellent chemical resistance
PVDF	KYNAR®	Polyvinylidene flouride	• Excellent Chemical resistance.
PA	Nylon	Polyamide	• Good abrasion resistance • Good chemical resistance • Low coefficient of friction
CSM	Hypalon	Chloro-sulfonated Polyethylene	• Excellent ozone resistance • Good abrasion resistance • Good heat resistance • Fair petroleum qualities
NR	Natural Rubber	Polyisoprene	• Excellent abrasion resistance • Acid resistance • Not oil resistant
V-NBR	Vinyl Nitrile	PVC/NBR	• Good ozone resistance • Good resistance to animal fats & oils • Good petroleum resistance
UHMWPE	Ultra-high molecular weight polyethylene	Polyethylene	• Excellent chemical resistance • Moderate heat resistance • Excellent abrasion resistance • FDA-accepted material
CM	CPE	Chlorinated Polyethylene	• Excellent ozone resistance • Excellent weathering resistance • Good abrasion resistance • Good heat resistance • Good resistance to petroleum oils
XNBR	Carboxylated Nitrile	Carboxylated Acrylonitrile-butadiene	• Excellent abrasion resistance • Excellent oil resistance • Excellent weather resistance
PTFE	Teflon	Polytetrafluoroethylene	• Excellent temperature resistance • Excellent chemical resistance • FDA accepted material • Low coefficient of friction for high flow rates and easy cleaning • Excellent resistance to thermocycling
PVC	PVC	Polyvinylchloride	• Resistant to many chemicals • Good Flexibility
FEP	Teflon	Fluorinated Ethylene Propylene	• Excellent temperature resistance • Excellent chemical resistance • FDA accepted material • Low coefficient of friction for high flow rates and easy cleaning • Excellent resistance to thermocycling

KYNAR is a registered trademark of Arkema, Inc.

General Hose Information

Mass Equivalents Chart

Mass Equivalents Table

Pounds (lb)	Grams (g)	Kilograms (kg)	Tons	Ounces (oz)
1	453.5930	0.4536	0.0005	16
10	4,535.9300	4.5359	0.0050	160
20	9,071.8600	9.0719	0.0100	320
30	13,607.7900	13.6078	0.0150	480
40	18,143.7200	18.1437	0.0200	640
50	22,679.6500	22.6797	0.0250	800
60	27,215.5800	27.2156	0.0300	960
70	31,751.5100	31.7515	0.0350	1,120
80	36,287.4400	36.2874	0.0400	1,280
90	40,823.3700	40.8234	0.0450	1,440
100	45,359.3000	45.3593	0.0500	1,600
120	54,431.1600	54.4312	0.0600	1,920
130	58,967.0900	58.9671	0.0650	2,080
140	63,503.0200	63.5030	0.0700	2,240
150	68,038.9500	68.0390	0.0750	2,400
160	72,574.8800	72.5749	0.0800	2,560
170	77,110.8100	77.1108	0.0850	2,720
180	81,646.7400	81.6467	0.0900	2,880
190	86,182.6700	86.1827	0.0950	3,040
200	90,718.6000	90.7186	0.1000	3,200
210	95,254.5300	95.2545	0.1050	3,360
220	99,790.4600	99.7905	0.1100	3,520
230	104,326.3900	104.3264	0.1150	3,680
240	108,862.3200	108.8623	0.1200	3,840
250	113,398.2500	113.3983	0.1250	4,000
260	117,934.1800	117.9342	0.1300	4,160
270	122,470.1100	122.4701	0.1350	4,320
280	127,006.0400	127.0060	0.1400	4,480
290	131,541.9700	131.5420	0.1450	4,640
300	136,077.9000	136.0779	0.1500	4,800
310	140,613.8300	140.6138	0.1550	4,960
320	145,149.7600	145.1498	0.1600	5,120
330	149,685.6900	149.6857	0.1650	5,280
340	154,221.6200	154.2216	0.1700	5,440
350	158,757.5500	158.7576	0.1750	5,600
360	163,293.4800	163.2935	0.1800	5,760
370	167,829.4100	167.8294	0.1850	5,920
380	172,365.3400	172.3653	0.1900	6,080
390	176,901.2700	176.9013	0.1950	6,240
400	181,437.2000	181.4372	0.2000	6,400

Mass = 1 kg = 0.001 metric ton = 2.20462 lb_m = 35.27392 oz

1 lb_m = 16 oz = 5 x 10^{-4} ton = 453.593 g = 0.53593 kg

Length =1 m = 100 cm = 1000 mm = 10^6 microns (µm) = 10^{10} angstroms (Å)

= 39.37 in = 3.2808 ft = 1.0936 yd = 0.0006214 mile

General Hose Information

Temperature and Pressure Conversion Chart

Temperature Conversions Chart

Degrees F (Fahrenheit)	Degrees K (Kelvin)	Degrees C (Celsius)	Degrees F (Fahrenheit)	Degrees K (Kelvin)	Degrees C (Celsius)
-40	233.15	-40.00	240	513.15	115.56
-20	253.15	-28.89	260	533.15	126.67
0	273.15	-17.78	280	553.15	137.78
20	293.15	-6.67	300	573.15	148.89
40	313.15	4.44	320	593.15	160.00
60	333.15	15.56	340	613.15	171.11
80	353.15	26.67	360	633.15	182.22
100	373.15	37.78	380	653.15	193.33
120	393.15	48.89	400	673.15	204.44
140	413.15	60.00	420	693.15	215.56
160	433.15	71.11	440	713.15	226.67
180	453.15	82.22	460	733.15	237.78
200	473.15	93.33	480	753.15	248.89
220	493.15	104.44	500	773.15	260.00

Pressure Conversions Chart

psi (lbs/ square inch)	kPa (kilo pascals)	bar	atm	mm Hg	psi (lbs/ square inch)	kPa (kilo pascals)	bar	atm	mm Hg
0	0.00	0.00	0.00	0.00	250	1,723.68	17.25	17.01	12,928.69
10	68.95	0.69	0.68	517.15	260	1,792.63	17.93	17.69	13,445.84
20	137.89	1.38	1.36	1,034.30	270	1,861.58	18.62	18.37	13,962.98
30	206.84	2.07	2.04	1,551.44	280	1,930.53	19.31	19.05	14,480.13
40	275.79	2.76	2.72	2,068.59	290	1,999.47	19.99	19.73	14,997.28
50	344.73	3.45	3.40	2,585.74	300	2,068.42	20.68	20.41	15,514.43
60	413.68	4.14	4.08	3,102.89	310	2,137.37	21.37	21.09	16,031.57
70	482.63	4.83	4.76	3,620.03	320	2,206.31	22.06	21.77	16,548.72
80	551.58	5.52	5.44	4,137.18	330	2,275.26	22.75	22.46	17,065.87
90	620.53	6.21	6.12	4,654.33	340	2,344.21	23.44	23.14	17,583.01
100	689.47	6.89	6.80	5,171.48	350	2,413.16	24.13	23.82	18,100.16
110	758.42	7.58	7.49	5,688.62	400	2,757.89	27.58	27.22	20,685.90
120	827.37	8.27	8.17	6,205.77	450	3,102.63	31.03	30.62	23,271.64
130	896.31	8.96	8.86	6,722.92	500	3,447.37	34.47	34.02	25,857.38
140	965.26	9.65	9.53	7,240.07	1,000	6,894.73	68.95	68.05	51,714.75
150	1,034.21	10.34	10.21	7,757.21	1,250	8,618.41	86.18	85.06	64,643.44
160	1,103.16	11.03	10.89	8,274.36	1,500	10,342.10	103.42	102.07	77,572.12
170	1,172.10	11.72	11.57	8,791.50	1,750	12,065.78	120.66	119.08	90,500.81
180	1,241.05	12.41	12.25	9,308.66	2,000	13,789.47	137.90	136.09	103,429.50
190	1,309.99	13.10	12.93	9,825.80	2,250	15,513.15	155.13	153.10	116,358.19
200	1,378.95	13.79	13.61	10,342.95	2,500	17,236.83	172.37	170.11	129,286.88
210	1,447.89	14.48	14.29	10,860.10	2,750	18,960.52	189.60	187.13	142,215.57
220	1,516.84	15.17	14.98	11,377.25	3,000	20,684.20	206.84	204.14	155,144.26
230	1,585.79	15.86	15.66	11,894.39	4,000	27,578.93	275.79	272.18	206,859.01
240	1,654.74	16.55	16.33	12,411.54	5,000	34,473.67	344.74	340.23	258,573.76

Pressure = 1 atm = 1.01325×10^5 N/m^2 (Pa_2) = 101.325 kPa = 1.01325 bars
= 1.01325×10^6 dynes/cm^2
= 760 mm Hg at 0°C (torr) = 10.333 m H_2O at 4°C
= 14.696 lbf/in.^{2} (psi) = 33.9 ft H_2O at 4°C
= 29.921 in Hg at 0°C

General Hose Information

Flow Capacities Pressure Drop

Pressure drop in psi (pounds per square inch)/gpm (gallons per minute) for 10 feet of hose (smooth bore) without fittings.

Fluid specification:
Specific gravity = .85; Viscosity = v = 20 centistokes (C.S.), (20 C.S. = 97 S.S.U.).

Hose Pressure Drop

Hose Dash Size →	-04		-05		-06		-08		-10		-12		-16		-20		-24		-32		-40	-48
Hose I.D. (inches) ←	.19	.25	.25	.31	.31	.38	.41	.50	.50	.63	.63	.75	.88	1.00	1.13	1.25	1.38	1.50	1.81	2.00	2.38	3.00
U.S. Gallons per minute ↑ .25	10	3.1	3.1																			
.50	19	6	6	2.7	2.7																	
1	40	12	12	5.5	5.5	2.4																
2	95	24	24	10	10	4.8	3.5															
3	185	46	46	17	17	7	5	2.2	2.2													
4		78	78	29	29	12	8	3	3	1.2	1.2											
5		120	120	44	44	18	12	4.5	4.5	1.6	1.6	.72										
8				95	95	39	26	10	10	3.6	3.6	1.4	.60									
10						59	40	15	15	5.7	5.7	2	1	.55								
12						80	52	20	20	7.2	7.2	2.6	1.5	.75	.43							
15							75	30	30	10	10	4.2	2.2	1.2	.67	.38						
18							107	40	40	15	15	6.3	3	1.5	.70	.55	.35					
20								49	49	19	19	8	3.4	2	1.1	.65	.43	.27				
25								72	72	26	26	11	5.5	3	1.6	1	.64	.40	.17			
30										34	34	14	7	3.6	2.2	1.3	.80	.52	.22	.14		
35										47	47	19	9.5	5	2.8	1.7	1.1	.70	.27	.18		
40												25	12	6.5	3.4	2.2	1.4	.90	.38	.24		
50												36	17	9	5.3	3.3	2	1.3	.54	.35	.15	
60												50	23	12	7.5	4.4	2.8	1.8	.75	.45	.20	
70													31	17	9.3	6	3.8	2.4	1	.65	.30	
80													38	21	12	7.1	4.6	3	1.2	.76	.34	.11
90													49	27	15	9	5.9	3.8	1.5	1	.45	.13
100														33	19	12	7	4.7	1.9	1.3	.55	.18
150														60	36	22	13	8.5	3.4	2.2	1	.33
200																36	23	15	6	3.9	1.7	.55
250																54	33	22	8.5	5.3	2.5	.75
300																	45	29	12	7.5	4	1.1
400																		51	21	14	6.5	2.2
500																			32	20	10	3
800																					18	5
1000																						10

*Pressure drop values listed are typical of many petroleum based hydraulic oils at approximately +100°F (+38°C).
Differences in fluids, fluid temperature and viscosity can increase or decrease actual pressure drop compared to the values listed.

To Convert

U.S. gallons into Imperial gallons multiply U.S. gallons by 0.83267. Imperial gallons into U.S. gallons multiply Imperial gallons by 1.20095. U.S. gallons to litres multiply by 3.785. Litres to U.S. gallons, multiply by 0.2642.

Eaton Terms and Conditions

Standard Terms and Conditions of Sale

These terms and conditions of sale are between the Buyer and the Eaton Corporation affiliate selling the products or services (hereinafter referred to as "products") to Buyer (hereinafter referred to as "Seller") 1. Quotations. Unless otherwise indicated on the quote, written quotations by Seller shall expire automatically 90 days after the date appearing on the quotation unless Seller receives and accepts Buyer's purchase order within that period. Prior to the expiration date any quotation is subject to change by Seller at any time upon verbal or written notice to Buyer.

2. Acceptance of Purchase Orders. Notwithstanding any contrary language in Buyer's purchase order, each purchase order shall be subject to acceptance by an authorized employee of Seller and each transaction shall be governed exclusively by these Terms and Conditions of Sale. Such acceptance is expressly limited to these Terms and Conditions of Sale, and any additional or different terms proposed by Buyer are automatically rejected unless expressly assented to in writing by an authorized employee of Seller. All purchase orders accepted by Seller are deemed to be sales for commercial Buyers and shall not, unless plainly and prominently stated on the face of the purchase order, be considered a sale to any federal, state, provincial or municipal governmental entity either domestic or foreign. No contract shall exist except as hereinabove provided.

3. Price Changes. Prices are subject to change to the prices in effect at the time of delivery. Seller reserves the right to make any corrections to prices quoted due to clerical errors or errors of omission. In the event of any design, specification or ordered quantity changes representing a price increase, Buyer will be notified and afforded an opportunity to confirm.

4. Delivery. Lead times are for reference only and are subject to change. Design and/ or specification changes are subject to review for possible adjustments to delivery. Order quantities subject to scheduled delivery dates must be mutually agreed upon.

5. Taxes. Any and all sales, use, or other permissible taxes assessed upon any sale or products sold shall be added to the purchase price of the products.

6. Payment Terms. Payment terms are net 30 days from date of invoice if Seller has approved Buyer's credit.

7. Packaging. The cost of standard bulk packaging for shipment in the United States and Canada is included in Seller's price. Additional charges may be imposed for special domestic packaging, overseas packaging, or special marking performed at Buyer's request and agreed to by Seller.

8. Shipment Terms. Unless Seller agrees otherwise, all shipments shall be freight collect F.O.B. origin (shipping point). Seller shall also be entitled to impose additional charges for the completion, at Buyer's request, of forms with respect to shipping. Unless otherwise agreed, shipment may be made by lots of reasonable commercial size as Seller deems appropriate.

9. Title and Risk of Loss. Risk of loss or damage in transit shall be borne entirely by Buyer at all times after the products are delivered to the carrier for shipment. However, the right to stop delivery in transit shall remain with Seller until payment in full has been received by Seller.

10. Delays or Default in Delivery. Seller shall have no liability to Buyer for Seller's delay or default in delivery due to strikes, secondary boycotts, riots, wars, accidents, fires, floods, explosions, vandalism, government embargoes, priorities or regulations, transportation delays, shortages of labor, fuel, materials, supplies, power, transportation facilities or tooling capacity or other similar or dissimilar causes beyond Seller's reasonable control. Under no circumstances shall Seller have any liability for penalties or other consequential damages of any kind resulting in whole or in part from Seller's delay in delivering, or failure to deliver, any products to Buyer as agreed.

11. Intellectual Property Infringement. With respect to all products manufactured to Buyer's specifications, Buyer shall indemnify and hold Seller harmless from and against any and all loss, cost, expense, claims, demands, suits and judgments arising from actual or alleged infringement of any third party intellectual property right. With respect to all other products sold by Seller, Seller shall defend any suit or proceeding brought against Buyer on claim that such product, or any part thereof, directly infringes any third party intellectual property right, provided that Seller is notified promptly in writing and given all necessary information, assistance and authority to defend the same. Seller shall pay all damages and costs awarded against Buyer as a result thereof. If as the result of such direct infringement, the court enjoins the use of any product, or part thereof, in the manner intended by Seller, Seller shall at its sole expense and option: (a) procure for Buyer the right to continue using said product or part; (b) replace such product or part with a non- infringing product or part; (c) modify said product or part so that it becomes non-infringing; or (d) remove said product or part and refund its purchase price and transportation costs. Seller shall have no further liability for actual or alleged patent infringement except as provided herein.

12. Design and Technical information. Seller claims proprietary rights in the items and information associated with this order. Drawings and technical information are issued in confidence for engineering information and mutual assistance only and may not be publicly disseminated, reproduced or used by Buyer without Seller's prior written consent and shall be returned upon the earlier of Seller's written request or when its purpose has been served.

13. Warranty. Seller's warranty is set forth in Seller's Warranty Policy Number M-HYOVTB001- E, which can be accessed on the Eaton Hydraulics Product Literature website www.eaton.com/hydraulics/ warranty. THE WARRANTY IS BUYER'S EXCLUSIVE REMEDY AND SELLER HEREBY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Seller's warranty shall constitute the sole remedy of Buyer and the sole liability of Seller.

14. Cancellation. Changes and/or cancellations to existing schedules or orders are subject to Seller's acceptance and any applicable cancellation charges (and possible increase in per piece price due to reschedules). Cancellation charges will be determined by the type of product and the stage of completion. Cancellation charges for special products will be based on the selling price less amounts saved at the time of cancellation. Seller will accept temporary holds on orders for rescheduling purposes for a period not to exceed 30 days. If at that time a reschedule is not received, Seller reserves the right to recommence shipments in accordance with the original schedule or cancel the order.

15. Returns. No products shall be returned to Seller, whether for inspection, repair, replacement, or any other reason, without prior written approval from Seller. Products and parts must be returned in new or like new condition with complete identification in accordance with Seller's instructions or the shipment may not be accepted. All returns must be sent to Seller freight prepaid F.O.B. destination unless otherwise instructed. Where written authorization has been obtained to return products and parts for reasons beyond warranty, a restocking charge of twenty five percent (25%) and any additional transportation charges are applicable.

16. Minimum Order. Minimum order amount is $100.00.

17. Remedies. Any lawsuit or legal claim for breach of this order must be brought within one year after the breach occurs.

18. Currency. Unless otherwise indicated on the invoice, all payments are to be made in United States dollars.

19. Governing Law. The terms and conditions of this agreement shall be construed according to the laws of the state of Ohio.

20. Limitation of Liability. THE REMEDIES OF THE BUYER SET FORTH IN THESE TERMS AND CONDITIONS OF SALE ARE EXCLUSIVE AND ARE ITS SOLE REMEDIES FOR ANY FAILURE OF SELLER TO COMPLY WITH ITS OBLIGATIONS HEREUNDER. NOTWITHSTANDING ANY PROVISION IN THESE TERMS AND CONDITIONS OF SALE TO THE CONTRARY, IN NO EVENT SHALL SELLER BE LIABLE IN CONTRACT, WARRANTY, IN TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY) OR OTHERWISE FOR DAMAGE TO PROPERTY OR EQUIPMENT OTHER THAN PRODUCTS SOLD HEREUNDER, LOSS OF PROFITS OR REVENUE, LOSS OF USE OF PRODUCTS OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES, DOWNTIME COSTS, DELAYS, CLAIMS OF CUSTOMERS OF THE BUYER OR OTHER THIRD PARTIES OR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER, REGARDLESS OF WHETHER SUCH POTENTIAL DAMAGES ARE FORESEEABLE OR IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE TOTAL CUMULATIVE LIABILITY OF SELLER ARISING FROM, CONNECTED WITH, RESULTING FROM OR RELATED TO THESE TERMS AND CONDITIONS OF SALE WHETHER THE CLAIMS ARE BASED IN CONTRACT, WARRANTY, IN TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY) OR OTHERWISE, SHALL NOT EXCEED THE PRICE OF THE PRODUCT ON WHICH SUCH LIABILITY IS BASED.

PowerFlex-fhp B.V.
Flevolaan 62g
1382 JZ Weesp
the Netherlands
+31 (0)294-450 200
www.powerflex-fhp.nl
info@powerflex-fhp.nl

Powering Business Worldwide

Printed in USA
Document No.
January 2014