

# HBD/Thermoid, Inc.

SUBSIDIARY OF **HBD** INDUSTRIES, INC.

# Thermoid

Effective June 6, 2011

**Distributor Price Pages**

*Supersedes all previous price pages*

## THERMOID HOSE PRODUCTS

### HOSE PRODUCT SECTIONS

Flex Strength® Hose Products .....	Pages 5 - 17
Industrial (General) Hose Products .....	Pages 19 - 37
Special Purpose & Coolant Discharge Hose Products .....	Pages 38 - 51

### TOLL-FREE TELEPHONE NUMBERS

**800/543-8070**— Bellefontaine, OH—Customer Service Hose

**800/438-2312**— Salisbury, NC—Customer Service—Handbuilt Hose Only  
(Salisbury, NC—Phone: 704/636-0121, Fax: 704/633-3880)

**800/421-6067**— Bell Gardens, CA Warehouse

**800/423-4354**— Fax— Bellefontaine, OH

**704/633-3880**— Fax— Salisbury, NC—Handbuilt Hose Only

**800/258-7654**— Fax— Bell Gardens, CA

#### FREIGHT POLICY:

Freight will be prepaid on orders of \$4,000.00 or more shipped to any one location within the continental U.S.A. F.O.B. Shipping Point. Minimum Stock Order is \$250.00. Payment Terms are Net 30 Days. Product orders that do not qualify for paid freight will be made on a collect basis. Some hand-built hose styles 8 inch I.D. and over, and longer than 40 feet that cannot be coiled may require special transportation arrangements. In these cases, hose will be shipped **FREIGHT COLLECT**, FOB shipping point regardless of weight. Made-to-Order Hose stands alone for freight allowance.

Product descriptions, specifications and pricing on products become dated and are subject to change. For questions concerning any current product pricing, technical and/or product application information contained in this publication, please contact HBD/Thermoid, Inc. Customer Service at 800/543-8070 and/or log onto [www.hbdthermoid.com](http://www.hbdthermoid.com).

## HBD/Thermoid, Inc.

SUBSIDIARY OF **HBD** INDUSTRIES, INC.

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**CAUTION: USE OF DAMAGED HOSE OR MISAPPLICATION MAY RESULT IN  
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**Flex Strength® Hose • Industrial (General) Hose • Special Purpose & Coolant Discharge Hose**

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▲ = This is a Thermoid® MTO (Make to Order) product. See page 50 for ordering information on this hose.

⊙ Indicates hose product available in VAPOR-LOC™ version.

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▲ = This is a Thermoid® MTO (Make to Order) product. See page 50 for ordering information on this hose.

⊕ Indicates hose product available in VAPOR-LOC™ version.

**GENERAL HOSE INFORMATION**

**MINIMUM PRODUCTION RUNS—Contact customer service for assistance.**

Non-stock hoses require minimum production quantities.

Production runs determined by—

1. Equipment limitations
2. Production efficiency
3. Production cost

Quantities must be of—

1. One size
2. One grade
3. One color
4. One brand
5. One construction produced at one time

Hose	3/16"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	OVER 2"
Braided	/ / / / /					500'				
Spiral (Large Bore)	/ / / / /					1200'				
Handbuilt	\$250 minimum order per hose I.D. Cannot be combined with other items to meet minimum order requirements.									
Machine Made	/ / / / /					500'				
Thermocure	All sizes—10,000 ft.									

**BellowsFlex™, Coolant - 360 ft. minimum run; orders under 360 ft. must contact customer service for special pricing.**

SPECIAL BRANDING: Check customer service.

**HOSE LENGTHS**

Some types of hose have a tendency to shrink or shorten more than normal during shipment or storage. This is especially true of hoses made with a helical wire embedded in the carcass. Consequently, the actual length should be determined by measuring under 10 psi (0.07MPa) hydrostatic pressure. When these hoses are subjected to a nominal pressure, they generally will elongate to their original shipping length. (Excerpt from RMA Hose Handbook IP-2, 1979.)

**REQUIRED SPECIFICATIONS FOR ORDERING THERMOID INDUSTRIAL HOSE**

<b>Braided</b>	1. Quantity	4. Type hose	7. "Factory Lengths"
	2. Inside diameter	5. Coupled or uncoupled	8. If "specified lengths," state lengths required
	3. Number of braids	6. Type coupling	*9. Special packaging
<b>Machine Made</b>	1. Quantity	4. Number pressure	7. Coupled or uncoupled
<b>Handbuilt</b>	2. Inside diameter	5. Type hose	8. Type coupling and/or ends
	3. Length	6. Straight or enlarged end	*9. Special packaging
<b>General Purpose (Spiral-reinforced)</b>	1. Quantity	4. Type hose	
	2. Inside diameter	5. "Factory Lengths"	
	3. Number of spirals	6. If "specified lengths", state lengths required	
<b>Radial Flex</b>	1. Quantity	3. Type hose	
	2. Inside diameter		

\*Packaging is commercial poly bag only. For special packaging, contact Salisbury.

**PRICES FOR CUT LENGTHS**

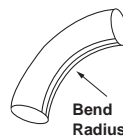
Cut lengths are produced at the time the hose is manufactured. We reserve the right to ship ±10% on all cut lengths. Specified cut lengths are available in increments over 25 ft., at an addition to the per foot price as follows: Flex Strength® hose cut lengths—plus 10%. Specified one piece reels—plus 15%.

**RMA OIL RESISTANCE DATA**

The RMA (Rubber Manufacturers Association) has developed a classification of hose performance based on sample immersions in ASTM No. 3 oil (High Swell) at 212°F for 70 hours. Oil resistance classifications for rubber stocks are shown in the table below.

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%

**MINIMUM HOSE BEND RADIUS DATA**



The Bend Radius is the radius of the bent section of hose measured to the innermost surface of the curved portion. It is important because the minimum bend radius is the maximum amount a hose can be bent without being kinked or damaged.

**General formula to determine bend length:**

$$\frac{\text{Angle of Bend}}{360^\circ} \times 2\pi r = \text{minimum length of hose to make bend}$$

r = given bend radius of hose

**Example:** to make a 90° bend with a hose with a 2" I.D.

Given r = 4.5 inches

$$\frac{90^\circ}{360^\circ} [2 \times 3.14 \times 4.5]$$

$$.25 \times 2 \times 3.14 \times 4.5 = 7"$$

7" then is the minimum length the hose can be bent without damaging it.

Remember that the bend should take place over the entire minimum length and not a portion of it. In addition, the formula does not mean that 7" will be long enough to meet application needs. It only means that if the 90° bend takes place in less than 7", the hose could be damaged.

**GENERAL HOSE INFORMATION - PACKAGING, BRANDING AND SPECIAL SALES CONSIDERATIONS**

**FLEX STRENGTH® SPIRAL REINFORCED HOSE**

Standard Package Quantities	Feet Per Reel			
	¼" I.D. TO 1" I.D. Inclusive	1¼" I.D.	1½" I.D.	2" I.D.
Feet per reel—minimum	500	450	300	200
Feet per reel—nominal	600	500	350	250
Feet per reel—maximum	700	550	400	300
Max. number of pieces per reel	2	2	2	2
Minimum length	100'	50'	50'	50'

Ninety percent of our hose is packaged on one piece reels. However, in those few instances where a two piece reel is necessary, the second length will be a multiple of 50 feet. Our modern Concure® process prohibits the manufacture of three or more lengths per reel. As such, we cannot offer a discount for this type of special packaging—REMNANTS OR SECONDS.

**THERMOCURE FLEXIBLE MANDREL HOSE**

Standard Package Quantities	Feet Per Reel	
	¼" - 5/8" I.D. Inclusive	¾" - 1½" I.D. Inclusive
Feet per reel—minimum	500	400
Feet per reel—nominal	600	500
Feet per reel—maximum	700	600
Max. number of pieces per reel	3	3
Minimum length	50'	50'

While we strive to achieve the longest lengths possible, two and three piece reels are common. In those instances where a multiple length reel is necessary, no length will be shorter than 50 feet.

**LARGE BORE HOSE PRODUCTS - PACKAGING (OPTIONAL)**

- Standard Packaging—No Charge.  
All hose shipped straight or coiled in protective poly bags. If item has flanged end, wooded end plates included.
- Optional Packaging (Charge Applies)  
Hose shipped straight, (up to 40 ft. maximum length), with external steel banded 1" x 3" wooden strips circumferentially applied and wooden end plates bolted to flange. Base price for hose packaged in above manner is \$50.00 plus additional charge per I.D. hose size for each foot of overall length (e.g. 6" I.D. x 25' \$50.00 base + \$5.00 x 25 ft.= \$175.00).

I.D. (In.)	Per Ft.	I.D. (In.)	Per Ft.
1-1/2 - 4	<b>\$4.00</b>	10	<b>\$ 7.00</b>
6	<b>5.00</b>	12	<b>10.00</b>
8	<b>6.00</b>	14	<b>12.00</b>

For lengths greater than 40 ft., hose will be coiled and crated. The following charges apply:

I.D. (In.)	Over 40 Ft.	I.D. (In.)	Over 40 Ft.
1-1/2 - 4	<b>\$400.00</b>	8	<b>\$525.00</b>
6	<b>450.00</b>	10	<b>625.00</b>

**SPECIAL SALES CONSIDERATIONS**

**Minimum Production Requirements for Non-Stocking Flex Strength Items**

All Sizes . . . . . 50,000 ft. Per Size, Style & Color (**Blanket Order With Firm Delivery Date Confirmed**)

Special Branding—Stock Items, Minimum—25,000 ft. per size, style and color.

One time Branding Wheel charge—\$150.00/wheel.

Drop Shipments—Contact Customer Service.

*FOR SPECIAL ITEMS CONTACT YOUR HBD REPRESENTATIVE FOR MINIMUM REQUIREMENTS.*

**MINIMUM ORDER—\$250.00**

**Order In Increments of Standard Packages**

**PRICES FOR CUT LENGTHS**

We reserve the right to ship ±10% on all cut lengths.

Specified cut lengths are available in increments over 25 ft., at an addition to the per foot price—15%.

Consult your Bellefontaine Representative. Specified one piece reels—plus 15%.

**PRICES FOR BRANDING**

Impression Branding — \$175.00 for 5000 ft. of 1/2" wide branding.

Mylar Screen Branding (not available on Synthechure spiraled hose)—\$325.00 for 2500 ft. of 1" wide, one-color branding.

**\*\*\* ALL BRANDING CHANGES MUST BE APPROVED BY THE HOSE PRODUCT MANAGER.**

**GENERAL HOSE INFORMATION - PACKAGING, BRANDING AND SPECIAL SALES CONSIDERATIONS**

**PLASTIC REEL PROGRAM**

Plastic reels are now available for the general-purpose hoses. The plastic reels are easier to handle, recyclable and can add to your bottom line. These reels will be used on all hose sizes up to and including 5/8" I.D. Hose sizes larger than 5/8" I.D., 300 psi and larger will continue to be supplied on the traditional wooden reels.

The reel manufacturer, REEL-CORE, will handle the recycling portion of this program. They offer a \$1.00 rebate for each qualified reel return.

**The details of the recycling program are listed as follows:**

1. Call REEL-CORE at (319) 568-6307 to arrange pickup when a minimum of 200 lbs. has been accumulated. Please have the total shipment weight and pallet quantity ready before calling.
2. All reels must be disassembled, packaged as densely as possible in a box or palletized and shrink-wrapped prior to pick-up.
3. REEL-CORE will fax a complete bill of lading.
4. REEL-CORE will issue a check for \$1.00 per usable reel within ten working days.

**In order to qualify for the rebate, the reels must be:**

1. Clean and undamaged. Storing outside will reduce the chances for the reel to qualify.
2. Manufactured by REEL-CORE.
3. All shipping **must** be arranged by REEL-CORE.

**GENERAL HOSE INFORMATION**

**INFORMATION NEEDED**

**HOSE DIMENSIONS**

- (a) I.D.
- (b) O.D.
- (c) Length  
(State whether overall length or length excluding couplings)
- (d) Tolerance limitations

**TYPES OF SERVICE**

- (a) Material to be conveyed through hose
  - 1. Chemical name
  - 2. Concentration
  - 3. Temperature extremes (low and high)
  - 4. Solids, description and size
- (b) Working pressure (including surge)
- (c) Suction or vacuum requirements
- (d) Velocity
- (e) Delivery requirement: quantity, time

**OPERATING CONDITIONS**

- (a) Intermittent or continuous service
- (b) Indoor and outdoor use
- (c) Movement and geometry of use
- (d) Flexibility—minimum bend radius
- (e) External conditions
  - 1. Abrasion
  - 2. Oil (Specify type)
  - 3. Solvents (Specify type)
  - 4. Acid (Specify type and concentration)
  - 5. Temperature range
    - Normal
    - Highest
    - Lowest
  - 6. Ozone

**UNCOUPLED HOSE**

- (a) Bulk
- (b) Cut to length

**COUPLED HOSE, FITTINGS**

- (a) Factory applied
- (b) Field applied
- (c) Type of fitting
  - 1. Type of thread
  - 2. Male or female
  - 3. Reusable
  - 4. Non-reusable
- (d) Material for fittings

**HOSE NOW IN USE**

- (a) Type of hose
- (b) Service life being obtained and description of failure
- (c) Service life desired

**SPECIAL REQUIREMENTS OR PROPERTIES**

- (a) Electrical and static conductive
- (b) Flame resistant
- (c) Sub-zero exposure
- (d) Non-contaminating to material

**NON-CONDUCTIVE REQUIREMENTS AND TEST PROCEDURE**

**ELECTRICAL RESISTANCE REQUIREMENTS**

The hose marked non-conductive shall have a minimum "composite" electrical resistance of one megohm per inch of length when subjected to the following procedure:

**TEST PROCEDURE ELECTRICAL RESISTANCE**

- A. Cut 24-inch sample of hose.
- B. Ascertain that exterior and interior of a sample is free of oil, dirt, etc.
- C. Pierce each end of sample with two clean steel nails at 90° angles from each other.
- D. Connect the two nail points at each end of the sample. Attach one nail head to 1000 volt DC power and one nail head at the other end of sample to megohm meter or to a 1000 volt "megger".

- E. Record total resistance in megohms.
- F. Measure test length between inside nails.
- G. Divide total resistance by test length to get megohms per inch.

NOTE: Test must be performed on non-conducting surface and at normal room temperature and relative humidity.

Any questions on the above should be directed to the Bellefontaine, OH Operations, for clarification.

Flex Strength Hose is manufactured under one of the following patents:

- #2,974,713      #3,627,610
- #3,586,558      #4,155,790

**COMMONLY USED RUBBER COMPOUNDS**

ASTM Designation D1418	Common Name	Composition
CM	CPE	Chlorinated Polyethylene
CR	Neoprene*	Chloroprene
CSM	Hypalon	Chloro-sulfonyl-polyethylene
ECO	Hydrin	Ethylene oxide and Chloromethyl oxirane
EPDM	Ethylene Propylene Rubber	Ethylene-propylene-diene-terpolymer
FKM	Fluoroelastomer Viton	Hexafluoropropylene vinylidene fluoride

ASTM Designation D1418	Common Name	Composition
IIR	Butyl	Isobutylene-isoprene
IR	Polyisoprene	Isoprene, synthetic
NBR	Buna N, Nitrile	Nitrile-butadiene
NR	Natural	Isoprene, natural
SBR	SBR	Styrene-butadiene
UHMWPE	Ultra High Molecular Weight Polyethylene	Polyethylene
XLPE	Cross-linked Polyethylene	Polyethylene and cross-linking agent

\*DuPont registered trademark.

**AIR HOSE**
**RED VALUFLEX®/GS**—EPDM Tube and Cover

Class C Oil Resistant Tube

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
00114503200	3/16	7/17	200	2	7.8	\$ .746
00114504100▲	1/4	1/2	150	2	8.7	.773
00114504200	1/4	1/2	200	2	8.7	.802
00114504300	1/4	9/16	250	4	12.3	.915
00114504400	1/4	5/8	300	4	15.7	1.124
00114505200	5/16	19/32	200	2	12.0	1.039
00114505400	5/16	5/8	300	4	13.9	1.351
00114506100▲	3/8	11/16	150	2	15.8	1.020
00114506200	3/8	11/16	200	2	15.8	1.110
00114506251†▲	3/8	11/16	200	2	15.8	60.905
00114506300	3/8	11/16	250	4	16.6	1.158
00114506400	3/8	23/32	300	4	18.0	1.392
00114506451†▲	3/8	23/32	300	4	18.0	76.565
00114508100	1/2	13/16	150	2	19.7	1.275
00114508200	1/2	13/16	200	2	20.2	1.329
00114508300	1/2	27/32	250	4	25.2	1.399
00114508400	1/2	7/8	300	4	25.0	1.678
00114508451†	1/2	7/8	300	4	25.0	92.289
00114510100	5/8	15/16	150	2	24.0	1.379
00114510200	5/8	15/16	200	4	23.8	1.703
00114510400	5/8	1	300	4	29.9	1.968
00114512100	3/4	1-1/8	150	2	34.3	1.764
00114512151†▲	3/4	1-1/8	150	2	34.3	97.032
00114512200	3/4	1-5/32	200	4	37.6	1.924
00114512251†	3/4	1-5/32	200	4	37.6	105.876
00114512255■	3/4	1-5/32	200	4	37.6	105.876
00114512500	3/4	1-5/32	250	4	37.6	2.148
00114512550†	3/4	1-5/32	250	4	37.6	118.032
00114512400	3/4	1-5/32	300	4	37.8	2.373
00114512454■	3/4	1-5/32	300	4	37.8	130.484
00114512451†	3/4	1-5/32	300	4	37.8	130.484
00114516200	1	1-7/16	150	4	43.0	3.366
00114516300	1	1-7/16	200	4	42.7	3.473
00114516400	1	1-7/16	300	4	51.1	4.261
00114520200	1-1/4	1-25/32	200	4	76.2	5.378
00114524200	1-1/2	2-1/32	200	4	88.6	6.423
00114532200	2	2-1/2	200	4	125.5	8.494

**Application:** An economical general service hose for various industrial, agricultural and construction applications where oil is not considered a significant factor.

**Branding:** White Ink: Thermoid Valuflex/GS Size PSI WP Made In USA

**Packaging:** Reels, †50' Ft. lengths—1 per carton, ■50' Ft. lengths—28 per carton

▲ = Make To Order (MTO)

**Note:** Refer to page 2 regarding reel lengths.



**AIR HOSE**

**BLACK VALUFLEX®/GS**—EPDM Tube and Cover

Class C Oil Resistant Tube

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
00114603200	3/16	7/16	200	2	7.3	\$ .718
00114604100▲	1/4	1/2	150	2	8.3	.760
00114604200	1/4	1/2	200	2	8.3	.776
00114604300▲	1/4	9/16	250	4	11.6	.905
00114604400	1/4	5/8	300	4	15.1	1.119
00114605200	5/16	19/32	200	2	11.4	.944
00114605400	5/16	5/8	300	4	13.3	1.225
00114606100▲	3/8	11/16	150	2	15.1	.958
00114606200	3/8	11/16	200	2	15.1	1.097
00114606300▲	3/8	11/16	250	4	15.7	1.122
00114606400	3/8	23/32	300	4	17.3	1.372
00114608100	1/2	13/16	150	2	18.8	1.253
00114608200	1/2	13/16	200	2	19.2	1.314
00114608251†	1/2	13/16	200	2	19.2	72.292
00114608300▲	1/2	27/32	250	4	23.1	1.384
00114608400	1/2	7/8	300	4	24.1	1.600
00114610100	5/8	15/16	150	2	22.9	1.330
00114610200	5/8	1	200	4	22.7	1.586
00114610400	5/8	1	300	4	28.7	1.852
00114612100	3/4	1-1/8	150	2	32.7	1.656
00114612151†▲	3/4	1-1/8	150	2	32.7	91.114
00114612200	3/4	1-5/32	200	4	36.3	1.837
00114612251†	3/4	1-5/32	200	4	36.3	101.004
00114612300▲	3/4	1-5/32	250	4	36.0	2.026
00114612400	3/4	1-5/32	300	4	36.0	2.191
00114612454†▲	3/4	1-5/32	300	4	36.0	120.479
00114616100	1	1-7/16	150	4	40.7	3.081
00114616200	1	1-7/16	200	4	40.7	3.327
00114616400	1	1-7/16	300	4	49.0	4.098
00114620200	1-1/4	1-3/4	200	4	72.6	5.064
00114624200	1-1/2	2	200	4	84.6	6.328
00114632200	2	2-1/2	200	4	118.6	8.075

**Application:** An economical general service hose for various industrial, agricultural and construction applications where oil is not considered a significant factor.

**Branding:** White Ink: Thermoid Valuflex/GS Size PSI WP Made In USA

**Packaging:** Reels (See page 2), †50' length—1 per carton.

▲ = Make To Order (MTO)

**GREEN/YELLOW/BLUE VALUFLEX®/GS**—EPDM Tube and Cover

Class C Oil Resistant Tube

Product Number			I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
Green	Yellow	Blue						
00114806300	N	N	3/8	23/32	250	4	17.8	\$ 1.422
00114808300	N	00115008300▲	1/2	7/8	250	4	24.8	1.654
00114808400▲	N	N	1/2	7/8	300	4	25.0	1.689
00114812500	00114912356▲	00115012300	3/4	1-5/32	250	4	37.2	2.147
00114812400	N	N	3/4	1-5/32	300	4	37.1	2.366
00114812551†	00114912351†▲	00115012355†	3/4	1-5/32	250	4	37.2	118.180
00114812455†	N	N	3/4	1-5/32	300	4	37.1	130.250
N	N	00115016300▲	1	1-7/16	250	4	53.6	3.664
00114816400	N	N	1	1-7/16	300	4	50.2	3.741

**Application:** The same as for Red Valuflex but where for safety or other considerations, a green, yellow or blue color is preferred.

**Branding:** White Ink: Thermoid Valuflex/GS Size PSI WP Made In USA

**Packaging:** Reels (See page 2), †50' length—1 per carton.

▲ = Make To Order (MTO)

N=Non-Stock. Minimum run 25,000 ft./size.

**AIR HOSE**
**MAINLINER®**—Class C Medium Oil Resistant Tube

Limited Oil, Good Weather and Ozone Resistant Red Cover

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
00225504200▲	1/4	1/2	200	2	8.8	\$ 1.060
00225504400	1/4	5/8	300	4	15.7	1.250
00225505400	5/16	5/8	300	4	14.0	1.434
00225506200▲	3/8	11/16	200	2	15.8	1.295
00225506400	3/8	23/32	300	4	18.0	1.564
00225508200▲	1/2	13/16	200	2	19.6	1.533
00225508400	1/2	7/8	300	4	25.0	1.768
00225510400	5/8	1	300	4	30.0	2.247
00225512300	3/4	1-5/32	250	4	37.5	2.488
00225512351†▲	3/4	1-5/32	250	4	37.5	136.858
00225512400	3/4	1-5/32	300	4	37.4	2.811
00225512451†▲	3/4	1-5/32	300	4	37.4	154.605
00225516200▲	1	1-7/16	200	4	42.2	3.394
00225516400	1	1-7/16	300	4	50.3	4.047
00225520200	1-1/4	1-25/32	200	4	75.7	6.473
00225524200	1-1/2	2-1/32	200	4	88.0	7.566
00225532200	2	2-1/2	200	4	125.3	9.702

**Application:** A quality general service hose for use where a medium oil resistant tube is required. This hose can be used for pneumatic tools throughout the industry. The cover is weather, ozone and abrasion resistant. Not recommended for handling fuels.

**Branding:** Blue Ink: Thermoid Mainliner Size PSI WP Made In USA

**Packaging:** Reels (See page 2), †50' length—1 per carton.

▲ = Make To Order (MTO)

**AIRFLEX™**—Class C Medium Oil Resistant Tube

Limited Oil, Good Weather and Ozone Resistant Yellow Cover

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
00235504400▲	1/4	5/8	300	4	15.3	\$ 1.284
00235506400	3/8	23/32	300	4	17.6	1.607
00235508400	1/2	7/8	300	4	24.5	1.807
00235512400	3/4	1-5/32	300	4	36.8	2.811
00235512450■	3/4	1-5/32	300	4	36.8	154.628
00235512451†▲	3/4	1-5/32	300	4	36.8	154.627

**Application:** A quality pneumatic air tool hose for use when lubricating with oil mist through air lines. Also an excellent general purpose air hose. The cover is weather, ozone and abrasion resistant. Not recommended for handling fuels.

**Branding:** Blue Ink: Thermoid Size WP Airflex Made In USA

**Packaging:** Reels (See page 2), †50' length—1 per carton, ■ 50' Ft. lengths—28 per carton

▲ = Make To Order (MTO)

**DURA-RED™**—Class C Medium Oil Resistant Tube & Cover

Non-Conductive Red Cover

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
00275504400▲	1/4	5/8	300	4	15.9	\$ 1.334
00275506400	3/8	23/32	300	4	18.2	1.642
00275508400	1/2	7/8	300	4	25.3	1.859
00275512400	3/4	1-5/32	300	4	38.1	2.954
00275512451†▲	3/4	1-5/32	300	4	38.1	162.369
00275516400	1	1-7/16	300	4	50.9	4.248
00275520300▲	1-1/4	1-3/4	300	4	76.8	5.511

**Application:** Premium Non-Conductive multi-purpose hose that handles oil mist, air, water and mild chemicals. Not recommended for fuels. Meets electrical resistance portion of the Alcoa Potroom air and water hose specs. (30.4.2).

**Branding:** White Ink: Thermoid Dura-Red™ Non-Conductive Size PSI WP Made In USA

**Packaging:** Reels (See page 2), †50' length on 3/4" I.D., 1 per carton.

▲ = Make To Order (MTO)

**AIR HOSE**

**MAXECON/GP**—Class A High Oil Resistant Tube

Non-Conductive

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
00336503300	3/16	7/16	250	2	7.86	\$ 1.231
00336504300	1/4	1/2	250	2	8.6	1.328
00336504400	1/4	19/32	300	4	13.6	1.440
00336505300	5/16	5/8	250	2	14.3	1.272
00336506300	3/8	23/32	250	4	17.3	1.689
00336506400	3/8	23/32	300	4	17.3	1.873
00336506454†	3/8	23/32	300	4	17.3	103.016
00336508300	1/2	7/8	250	4	24.1	1.999
00336508400	1/2	7/8	300	4	24.1	2.542
00336510400	5/8	1	300	4	29.3	2.873
00336512300	3/4	1-5/32	250	4	36.1	2.882
00336512400	3/4	1-5/32	300	4	36.5	3.482
00336512451■	3/4	1-5/32	300	4	36.5	191.558
00336512454†▲	3/4	1-5/32	300	4	36.5	191.558
00336516300	1	1-7/16	250	4	48.8	4.446
00336516400	1	1-7/16	300	4	49.4	4.805
00336520300	1-1/4	1-25/32	250	4	73.4	9.186
00336524300	1-1/2	2-1/32	250	4	85.6	10.086

**Application:** This high oil resistant, general purpose hose can be used by all industries. Its tube and cover make this the desired hose in the mining, steel, and petroleum industries.

**NOTE:** Not recommended for fuel applications.

**Branding:** White Ink: Thermoid Maxecon/GP Non-Conductive Size PSI WP Made In USA

**Packaging:** Reels (See page 2), †50' length—1 per carton, ■ 50' Ft. lengths—28 per carton

▲ = Make To Order (MTO)

**Class B Medium-High Oil Resistant Red Cover**

**GREEN GP/OXYGEN**—Class B Medium High Oil Resistant Tube

Class B Medium High Oil Resistant Green Cover

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. Reels Only
00336606400	3/8	7/8	300	4	17.5	\$ 2.151
00336608400	1/2	15/16	300	4	24.3	2.748
00336612400	3/4	1-5/32	300	4	36.3	3.563

**Application:** This medium high, oil resistant, heavy-duty hose is most popular in steel mills, refineries and other abuse oriented applications.

**NOTE:** Not recommended for fuel applications.

Not recommended for air breathing applications.

**Branding:** Yellow Ink: Size WP GP/Oxygen Made In USA

**Packaging:** Reels (See page 2).

**AIR HOSE**

**VERSICON®**—Class A High Oil Resistant Tube and Cover

Non-Conductive Tube and Red Cover

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. Reels Only
00447504400	1/4	5/8	300	4	15.7	\$ 1.912
00447506400	3/8	23/32	300	4	18.0	2.327
00447508400	1/2	7/8	300	4	25.1	3.234
00447512400	3/4	1-5/32	300	4	37.1	5.060
00447516400	1	1-7/16	300	4	50.4	6.434
00447520300	1-1/4	1-25/32	250	4	74.8	9.913
00447524300	1-1/2	2-1/32	250	4	87.3	12.167

**Application:** This premium quality hose is high in oil resistance throughout. Its fuel line quality will convey oil, fuel oil, and other petroleum derived products. Its tough cover resists oils and solvents as well as weathering, ozone, and abrasion. Hose is tested to have a minimum of 1,000,000 ohms per inch resistance when tested with a 1,000 volt D.C. meggar.

**NOTE:** Not recommended for the variety of unleaded gas existing presently.

**Branding:** Gold Ink: Thermoid Versicon Non-conductive Size WP Made In USA

**Packaging:** Reels (See page 2).

**GOLDENAIR®**—YELLOW COVER/NON-CONDUCTIVE

Product Number	I.D. (In.)	Approx. O.D. (In.)	W.P. (psi)	Approx. Wt./C Ft. (Lbs.)	Price/Foot
00447312600	3/4	1-5/32	350	37.1	\$ 3.596
00447316400	1	1-7/16	300	50.5	5.217

**Tube:** NBR RMA Class A.

**Reinforcement:** Spiral polyester cords.

**Cover:** Yellow NBR/PVC RMA Class A, resists aging and abrasion.

**Service:** Distinctly colored general purpose hose, good for air and nitrogen service.

**Branding:** Blue Ink: Thermoid Versicon/Goldenair Non-conductive Size PSI WP Made In USA (For Nitrogen Use)

**NOTE:** Not recommended for the variety of unleaded gas existing presently.

**Packaging:** Reels (See page 2).

**MAXECON™ PLUS**—BROWN COVER/NON-CONDUCTIVE

Product Number	I.D. (In.)	Approx. O.D. (In.)	W.P. (psi)	Approx. Wt./C Ft. (Lbs.)	Price/Foot
00447404400	1/4	5/8	300	15.7	\$ 1.912
00447406400	3/8	23/32	300	18.0	2.327
00447408400	1/2	7/8	300	25.1	3.234
00447412400	3/4	1-5/32	300	37.3	5.060
00447416400	1	1-7/16	300	50.7	6.434

**Tube:** NBR RMA Class A.

**Reinforcement:** Spiral polyester cords.

**Cover:** Brown NBR/PVC RMA Class A.

**Service:** High quality, general purpose hose for air, water, oil, certain agricultural sprays and welding gases. Minimum electrical resistance of one megohm per inch when subjected to 1000 volts D.C.

**Branding:** White Ink: Thermoid Versicon/MaxeconPlus Non-conductive Size WP Made In USA

**NOTE:** Not recommended for the variety of unleaded gas existing presently.

**Packaging:** Reels (See page 2).

**BLACK MAX® M.R.O.**—BLACK COVER/NON-CONDUCTIVE

Product Number	I.D. (In.)	Approx. O.D. (In.)	W.P. (psi)	Approx. Wt./C Ft. (Lbs.)	Price/Foot
00447604400▲	1/4	5/8	300	16.2	\$ 1.912
00447606400▲	3/8	23/32	300	17.5	2.327
00447608400▲	1/2	29/32	300	24.4	3.234
00447612400▲	3/4	7/8	300	36.4	5.060
00447616400▲	1	1-7/16	300	49.7	6.434

**Tube:** NBR RMA Class A.

**Reinforcement:** Spiral polyester cords.

**Cover:** Black NBR/PVC, RMA Class A.

**Service:** High quality general purpose hose for air, water and oil service for in-plant maintenance, repair and operation. Minimum electrical resistance of one megohm per inch when subjected to 1000 volts D.C.

**Branding:** White Ink: Thermoid Versicon/Black Max MRO Non-conductive Size WP Made In USA

**NOTE:** Not recommended for the variety of unleaded gas existing presently.

**Packaging:** Reels (See page 2).

▲ = Make To Order (MTO)

**AIR HOSE**

**FLEX-LOC™ 300 PUSH-ON**

Class A High Oil-Resistant Tube & Cover

Non-Conductive, Black, Blue, Gray  
Red, Green or Yellow Covers

Product Number						I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./ C Ft.	Price Per Ft. Reels Only
Black	Blue*	Gray*	Red*	Green*	Yellow*					
00318404400	00318504400	00318604400	00318704400	00318804400	00318904400	1/4	1/2	300	9.7	\$ 2.032
00318406400	00318506400	00318606400	00318706400	00318806400	00318906400	3/8	5/8	300	12.9	2.495
00318408400	00318508400	00318608400	00318708400	00318808400	00318908400	1/2	3/4	300	16.1	3.048
00318410400	—	—	—	—	—	5/8	29/32	300	22.6	4.463
00318412400	—	—	—	—	—	3/4	1-1/32	300	25.7	5.522

**Application:** A premium high oil resistant push-on hose designed for robotic welders and any other industrial applications that require a MSHA approved flame resistant cover. Not recommended for unleaded gasoline.  
**\*Currently Non-stock.**

**Branding:** White Ink: Thermoid Flex-Loc 300  
 Non-conductive Size 300 psi WP Made In USA  
 MSHA 1C Code

**Packaging:** 700 ft. Reels.

**FLEX-LOC™ PUSH-ON**—Class A High Oil Resistant Tube & Cover

Class A High Oil-Resistant Cover

Black, Blue, Gray, Red,  
Green, or Yellow Covers

Product Number						I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforce- ment Spiral	Approx. Wt./ C Ft.	Price Per Ft. Standard Pack Reels Only
Black		Blue		Gray							
700' Reels	250' Reels	700' Reels	250' Reels	700' Reels	250' Reels						
00338404300	00338404398	00338504300	00338504398▲	00338604300	00338604398▲	1/4	1/2	250	2	9.3	\$ 1.817
00338406300	00338406398	00338506300	00338506398	00338606300	00338606398▲	3/8	5/8	250	2	12.4	2.225
00338408300	00338408398	00338508300	00338508398▲	00338608300	00338608398▲	1/2	3/4	250	2	15.3	2.652
00338410300	00338410398▲	—	—	—	—	5/8	29/32	250	2	21.7	3.721
00338412300	00338412398	—	—	—	—	3/4*	1-1/32	250	2	24.8	4.601

Product Number						I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforce- ment Spiral	Approx. Wt./ C Ft.	Price Per Ft. Standard Pack Reels Only
Red		Green		Yellow							
700' Reels	250' Reels	700' Reels	250' Reels	700' Reels	250' Reels						
00338704300	00338704398▲	00338804300▲	00338804398▲	00338904300▲	00338904398▲	1/4	1/2	250	2	9.3	\$ 1.817
00338706300	00338706398▲	00338806300	00338806398▲	00338906300▲	00338906398▲	3/8	5/8	250	2	12.4	2.225
00338708300	00338708398▲	00338808300▲	00338808398▲	00338908300▲	00338908398▲	1/2	3/4	250	2	15.6	2.652

**Application:** This high oil resistant, push-on hose can be used by all industries. Its tube and cover make this the desired hose in industrial, warehouse and other applications where a push-on hose fitting will be used. Not recommended for unleaded gasoline.

**Branding:** White Ink: Size WP Flex-Loc Made In USA  
**▲ = Make To Order (MTO)**

**AIR HOSE**
**RADIAL AIRE—RED/BLUE COVER**

Product Number		I.D. (In.)	Approx. O.D. (In.)	WP (psi)	Approx. Wt./C Ft. (Lbs.)	Price/Foot
Red	Blue					
00134504400	00135004400	1/4	1/2	300	9.0	\$ .826
00134505400▲	00135005400▲	5/16	9/16	300	11.0	.964
00134506400	00135006400	3/8	5/8	300	14.0	1.016
00134508400	00135008400	1/2	25/32	300	18.0	1.183
00134510500▲	00135010500▲	5/8	29/32	250	22.0	1.689
00134512500	00135012500	3/4	1-1/32	250	25.0	1.955

**Tube:** Black PVC, medium high oil resistant. RMA, Class B.

**Reinforcement:** Two spiral, polyester cord.

**Cover:** Blue or red PVC, medium high oil resistant, RMA Class B.

**Service:** Multipurpose including air, water and moderate chemical applications.

**Temperature Range:** -10°F to +150°F.

**Branding:** White Ink: Thermoid Radial Aire Size WP Made In Canada

**Lengths:** 500 ft. reels. Minimum run is 10,000 ft.

▲ = Make To Order (MTO)

**Note:** Non-conductive

**RADIAL AIRE—COUPLED LENGTHS (MXM 1/4 THREADS)**

Product Number		I.D. (In.)	Lengths	Price/Length
Red	Blue			
00134584425▲	N	1/4	25	\$31.825
00134584451▲	N	1/4	50	59.326
00134586425▲	00135086425▲	3/8	25	32.563
00134586451▲	00135086451▲	3/8	50	60.632

**SPECIALTY HOSE**
**PREMIER FARM TANK**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Wt./C Ft. (Lbs.)	Price/Foot
00667212200	3/4	1-1/8	60	27.9	\$2.072
00667216200	1	1-3/8	60	43.9	2.868

**Tube:** NBR, RMA Class A.

**Reinforcement:** Polyester yarn.

**Cover:** Black NBR/PVC, RMA Class A, high oil resistance.

**Note:** All hose contains a static wire for your safety.

**Service:** Designed for dispensing gasolines, kerosene and oil from farm or barrel-type pumps on agricultural, industrial and construction sites where UL approval is not required. Static wire hose is designed for use with electric pumps. Do not use these hoses at a service station or to refuel any aircraft.

**Branding:** White Ink: Thermoid Premier Farm Tank Size. Made In USA with static wire

N=Non-Stock

**WASHDOWN HOSE**

**DARI-PREEN CREAMERY**

EPDM Tube & Cover

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
00544808400	1/2	29/32	250	4	28.0	\$ 2.740
00544812400	3/4	1-1/4	200	4	50.0	3.647
00544812450†	3/4	1-1/4	200	4	50.0	200.569

**Application:** Designed for washdown service in creameries, dairies, packing houses, canneries and food processing plants. Use where animal fats, oils and grease are **not** a significant factor.

**Branding:** Blue Ink: Size WP Dari-Preen Made In USA  
**Packaging:** Reels (See page 2), †50' length—1 per carton.

**WATER HOSE**

**WASHING MACHINE INLET**



CAUTION: USE OF DAMAGED HOSE OR MISAPPLICATION MAY RESULT IN PROPERTY DAMAGE OR SERIOUS PERSONAL INJURY. INSPECT REGULARLY.

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./C Ft.	Price Per C Ft. Standard Pack Only
00548106100▲	3/8	21/32	200	13.0	\$ 1.175

Standard package maximum 2 piece 500' bale.

**WASHING MACHINE DRAIN**

Product Number	I.D. (In.)	O.D. (In.)	Burst (psi)	Approx. Wt./C Ft.	Price Per 50' Length
00548610250▲	5/8	29/32	140	19.3	\$ 70.542
00548614250	7/8	1-7/32	125	34.6	116.930

Standard package 50' length per carton.

▲ = Make To Order (MTO)

**WATER HOSE**

**GREEN GARDEN**

Product Number	I.D. (In.)	Length (Ft.)	Price Per Length
00549680102	5/8	50	\$ 82.131

**Tube and Cover:** EPDM  
 Suitable for city water pressure. Coupled (M&F) with spun copper alloy garden hose couplings.  
**Packaging:** 50' Ft. lengths – 5 per carton.

**BLACK MUNICIPAL WATER**

Product Number	I.D. (In.)	Length (Ft.)	Price Per Length
00511780744	5/8	25	\$ 49.314
00511780769	5/8	50	82.921
00511780745▲	3/4	25	55.092
00511780770	3/4	50	92.675

**Tube and Cover:** EPDM (3 to 1 safety factor)  
 Suitable for general water pressure (100 psi). Coupled (M&F) with spun brass garden hose couplings and brass ferrules.  
**Packaging:** 25' Ft. or 50' Ft. lengths – 5 per carton.  
 ▲ = Make To Order (MTO)

**THERMOID FLEX STRENGTH®  
 HOSE PRODUCTS**

**COUPLED WATER HOSE**

**BLACK HEAVY-DUTY WATER**

Product Number	I.D. (In.)	Length (Ft.)	Price Per Length
00512281249▲	5/8	50	\$ 84.495
00512180768◆	5/8	50	84.495
00512281255▲	3/4	50	96.025
00512180772■	3/4	50	96.025

**Tube and Cover:** EPDM (3 to 1 safety factor) Suitable for water pressure (150 psi). Coupled (M&F) with octagonal nut spun brass garden hose couplings and brass ferrules.

**Packaging:** 50' Ft. lengths – 5 per carton, ■ 50' Ft. lengths—28 per carton, ◆ 50' Ft. lengths—35 per carton.

▲ = Make To Order (MTO)

**BLACK HEAVY-DUTY CONTRACTORS WATER**

Product Number	I.D. (In.)	Length (Ft.)	Price Per Length
00512180769	5/8	50	\$ 96.571
00512281248◆	5/8	50	96.571
00512180771	3/4	50	105.234
00512281250■	3/4	50	105.234

**Tube and Cover:** EPDM (3 to 1 safety factor) Suitable for 150 psi working pressure and is coupled (M&F) with rod brass, octagonal nut, short shank garden hose couplings and brass ferrules.

**Packaging:** 50' Ft. lengths – 5 per carton, ■ 50' Ft. lengths—28 per carton, ◆ 50' Ft. lengths—35 per carton.

**COUPLED AIR HOSE**

**JACKHAMMER – AIR POWER™ JACKHAMMER**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Reinforcement Spiral	Approx. Wt./C Ft. (Lbs.)	Length (Ft.)	Price Per Length
<b>Red</b>							
00114562258	3/4	1.15	200	4	38	50	\$ 107.112
00114562558▲	3/4	1.15	250	4	38	50	116.146
00114562458	3/4	1.15	300	4	41	50	120.330
00114566358	1	1.37	200	4	51	50	126.310
<b>Yellow</b>							
00114962558	3/4	1.15	250	4	38	50	120.505

**Tube and Cover:** EPDM

**Packaging:** 3/4" coupled with universal crimped steel fittings, 28 lengths per carton. 1" coupled with universal crimped steel fittings, 20 lengths per carton.

**Reinforcement:** Spiral polyester yarn

**Branding:** Thermoid Air Power I.D. Inches, WP Made In USA

**RED AIR TOOL COUPLED**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Thread Size	Length (Ft.)	Packaging No. Lengths Per Box	Price Per Length
00114586454▲	1/4	19/32	200	1/4	50	120	\$ 61.311
00114584254	1/4	19/32	200	1/4	50	1	61.310
00114587454▲	1/4	5/8	300	1/4	50	120	68.523
00114586624▲	3/8	23/32	200	1/4	25	110	39.198
00114587624▲	3/8	23/32	300	1/4	25	120	45.074
00114587628▲	3/8	23/32	300	3/8	25	110	48.670
00114586654▲	3/8	23/32	200	1/4	50	80	67.471
00114586254	3/8	23/32	200	1/4	50	1	67.471
00114586658▲	3/8	23/32	200	3/8	50	80	72.824
00114587654	3/8	23/32	300	1/4	50	80	77.549
00114587658▲	3/8	23/32	300	3/8	50	80	83.748

**Tube and Cover:** Improved EPDM- Class C Oil Resistant Tube.

**Application:** A tough, heavy duty, abrasion and ozone resistant, 200 psi four spiral or 300 psi four spiral hose designed to withstand the abuse that air hose applications demand. The hoses are cut to length and coupled M x M with 1/4" or 3/8" threads for customer convenience.

**Branding:** Thermoid Air Power Size WP 4 SP Made In USA

1 Per Carton Packages: Thermoid Valuflex/GS Size 200 PSI W.P. Made In USA (MMDDYY SHIFT)

▲ = Make To Order (MTO), maximum 4 week delivery.

▲ = Make To Order (MTO). Minimum run 25,000 ft./size.



**AUTOMOTIVE HOSE**
**BLACK STANDARD HEATER AND SAE 20R3, CLASS D2 TYPE**

EPDM Tube and Cover

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./C Ft.	Price Per Ft. or Per Lg.
00470308151†▲	1/2	51/64	62	19.1	\$ 77.830
00470310199	5/8	15/16	62	23.2	1.673
00470310151†▲	5/8	15/16	62	23.2	91.927
00470312199	3/4	1-1/16	50	27.0	1.859
00470312151†▲	3/4	1-1/16	50	27.0	102.266
00470316199	1	1-11/32	44	38.1	2.612
00470316151†▲	1	1-11/32	44	38.1	143.686
00470908199	1/2	13/16	35	16.2	1.255
00470908151†▲	1/2	13/16	35	16.2	68.944
00470910199	5/8	7/8	35	19.5	1.286
00470910151†	5/8	7/8	35	19.5	70.821
00470912199	3/4	1-1/32	35	22.7	1.366
00470912151†	3/4	1-1/32	35	22.7	75.105
00470916199	1	1-11/32	25	38.2	1.803
00470916151†	1	1-11/32	25	38.2	99.258

Kink-resistant EPDM tube and cover resist cracking and weather checking. Multi-spiral polyester reinforced to stay flexible even in extreme temperatures. Long service life since hoses can withstand the abuse of corrosive additives, ozone and abrasion. 4703 is SAE20R3, Class D2 Type; 4709 is standard duty heater hose.

**Standard Package:** Maximum 2 pc. 700' reel; †50' length—1 per carton.

**Branding:** 4703 Thermoid (Size OEM Heater Hose Made In USA)  
4709 Thermoid (Size Heater Hose Made In USA)

**Note:** 4703 meets performance requirements of SAE 20R3, Class D2 only.

▲ = Make To Order (MTO)

**SILICONE HEATER HOSE**
**SILICONE HEATER HOSE SAE 20R3 CLASS A**

Product Number	I.D. (In.)	O.D. (In.)	Length (Ft.)	Burst psi	Approx. Wt./Ft. (Lbs.)	Price/Each
00700201425	1/4	0.525	25	250	0.09	\$ 48.339
00700201450	1/4	0.525	50	250	0.09	105.658
00700203825	3/8	0.690	25	250	0.15	68.585
00700203850	3/8	0.690	50	250	0.15	146.113
00700201225	1/2	0.815	25	250	0.18	82.482
00700201250	1/2	0.815	50	250	0.18	172.098
00700205825	5/8	0.938	25	250	0.22	94.082
00700205850	5/8	0.938	50	250	0.22	194.273
00700203425	3/4	1.064	25	200	0.25	107.182
00700203450	3/4	1.064	50	200	0.25	223.343
00700207825	7/8	1.190	25	200	0.29	121.223
00700207850	7/8	1.190	50	200	0.29	251.615
00700201025	1	1.338	25	175	0.35	145.041
00700201050	1	1.338	50	175	0.35	299.228

**Tube:** Blue, silicone, heat and ozone resistant.

**Reinforcement:** Polyester

**Cover:** Blue, silicone, heat and ozone resistant.

**Temperature:** -67°F to +347°F.

**Branding:**

**Specification:** SAE 20R3, Class A.

▲ = Make To Order (MTO). Minimum run 25,000 ft./size.

**AUTOMOTIVE HOSE**
**AIR BRAKE—Type A—SAE J-1402A & DOT FMVSS 106**

Product Number	I.D. (In.)	O.D. (In.)	Min. Burst (psi)	Price Per Ft. or Per Lg.
00482106499	3/8	3/4	871	\$ 1.648
00482106498†	3/8	3/4	871	1.687
00482106451**	3/8	3/4	871	90.891
00482108500	1/2	7/8	871	1.987
00482108498†	1/2	7/8	871	2.019
00482108451**	1/2	7/8	871	109.333

**Standard Package:** Maximum 2 pc. 500' reel.

†Maximum 2 pc. 250' reel. \*\*50' length—1 per carton.

1/4" I.D. available upon request. 25,000 ft. minimum run required.

**Branding:** Thermoid Air Brake 10mm (3/8") SAE J1402A DOT KX Made In USA (MMYY Shift, Lot, Suffix)

Thermoid Air Brake 12.5mm (1/2") SAE J1402A DOT KX Made In USA (MMYY Shift, Lot, Suffix)

**FUEL LINE, VAPOR EMISSION & CRANKCASE VENTILATION—SIMILAR TO SAE 30R7** NBR Tube and Synthetic Cover

Product Number	I.D. (In.)	O.D. (In.)	Approx. Wt./C Ft.	Length	Price Per Ft. or Per Lg.
00667503225▲	3/16	13/32	6.5	25' Coils	\$ 22.942/ Length
00667503252▲	3/16	13/32	6.5	50' Coils	45.874/ Length
00667503298▲	3/16	13/32	6.5	250' Reels	.917/ Ft.
00667503299	3/16	13/32	6.5	700' Reels	.917/ Ft.
00667504225▲	1/4	1/2	9.3	25' Coils	\$ 29.747/ Length
00667504252▲	1/4	1/2	9.3	50' Coils	59.515/ Length
00667504298	1/4	1/2	9.3	250' Reels	1.193/ Ft.
00667504299	1/4	1/2	9.3	700' Reels	1.193/ Ft.
00667505225▲	5/16	9/16	10.9	25' Coils	\$ 32.201/ Length
00667505252▲	5/16	9/16	10.9	50' Coils	64.862/ Length
00667505298	5/16	9/16	10.9	250' Reels	1.300/ Ft.
00667505299	5/16	9/16	10.9	700' Reels	1.300/ Ft.
00667506225▲	3/8	5/8	12.4	25' Coils	\$ 32.896/ Length
00667506252▲	3/8	5/8	12.4	50' Coils	70.478/ Length
00667506298	3/8	5/8	12.4	250' Reels	1.408/ Ft.
00667506299	3/8	5/8	12.4	700' Reels	1.408/ Ft.
00667508299	1/2	25/32	17.1	700' Reels	1.967/ Ft.

**Branding:** Size SAE30R7-KX Date Made In USA

Standard Package: 25 ft. coils, 10 individual cartons/master; 50 ft. coils, 5 coils/carton; 250 ft. reels, maximum 2 pcs. per reel; 700 ft. reels, maximum 2 pcs. per reel.

▲ = Make To Order (MTO)

**VAPOR-LOC™ C.A.R.B. APPROVED FUEL LINE—SIMILAR TO SAE 30R7**


NBR Tube and Synthetic Cover

Product Number	I.D. (In.)	O.D. (In.)	Approx. Wt./Ft.	Length	Price Per Ft.
22612161662	1/4	0.500	0.09	250' Reels	\$ 1.870
22612201662	5/16	0.560	0.11	250' Reels	2.048
22612241662	3/8	0.630	0.12	250' Reels	2.275

**Branding:** Thermoid VAPOR-LOC™ SIZE SAE 30R7 TYPE FUEL LINE HOSE EXECUTIVE ORDER C-U-07-019

**VAPOR-LOC™ C.A.R.B. APPROVED FUEL INJECTION—SAE 30R9**


FKM Tube and Synthetic Cover

Product Number	I.D. (In.)	O.D. (In.)	Approx. Wt./Ft.	Length	Price Per Ft.
22602161662	1/4	0.500	0.09	250' Reels	\$ 4.63
22602201662	5/16	0.560	0.11	250' Reels	5.30
22602241662	3/8	0.630	0.12	250' Reels	5.57

**Branding:** Thermoid VAPOR-LOC™ SIZE SAE 30R9 FUEL LINE HOSE EXECUTIVE ORDER Q-09-026

Indicates hose product available in VAPOR-LOC™ version.

Standard Package: 250 ft. reels; other packaging available by special order.

**WELDING HOSE**

**TULINE WELDING, GRADE R—EPDM TUBE & COVER**

Red is for Acetylene use only, and where cover must resist abrasion, weather and ozone.

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./C Ft.	Price Per Ft. Reels Only
00521403200	3/16	7/16	200	14.6	\$ 1.380
00521404200	1/4	17/32	200	19.7	1.576
00521405200	5/16	19/32	200	24.4	2.419
00521406200	3/8	21/32	200	26.6	2.931

**Tube and Cover:** EPDM

**Reinforcement:** Spiral Polyester Yarn

**Temperature Range:** -40°F to +180°F

**Branding:** Size, Grade R Acetylene Only - Std. Duty WP RMA 1-P-7-2008 Date Code

**Packaging:** Reels, Cut and Coupled Lengths

**TULINE WELDING, GRADE R—CUT & COUPLED (B&B)**

Product Number	I.D. (In.)	Lengths	Price/Lengths
00521403215▲	3/16	12.5	\$ 30.860
00521403225	3/16	25.0	41.659
00521403249	3/16	50.0	78.297
00521403291	3/16	100.0	166.224
00521484212▲	1/4	12.5	34.048
00521484225	1/4	25.0	49.093
00521484250	1/4	50.0	84.737
00521484290	1/4	100.0	162.809
00521405226▲	5/16	25.0	79.163
00521405252	5/16	50.0	142.476
00521405291▲	5/16	100.0	214.933
00521406226▲	3/8	25.0	93.926
00521406251▲	3/8	50.0	163.921
00521406290▲	3/8	100.0	305.304

Standard package 5 each per carton. Sold in standard packs only.

▲ = Make To Order (MTO)

**SINGLE LINE CORRUGATED WELDING, GRADE R, TYPE S—EPDM TUBE & COVER**

Specify Color: Red or Green. Red is for Acetylene use only, and where cover must resist abrasion, weather and ozone.

Product Number		I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./C Ft.	Price Per Ft. Reels Only
Green	Red					
00521803205▲	00521903205	3/16	7/16	200	7.50	\$ 1.170
00521804205	00521904205	1/4	17/32	200	9.79	1.374
00521804405	00521904405	1/4	19/32	200	14.00	1.689
00521805400▲	00521905400	5/16	21/32	200	16.10	1.786
00521806400	00521906400	3/8	23/32	200	18.00	2.079

▲ = Make To Order (MTO)

**WELDING HOSE**
**TULINE WELDING, GRADE T—CR TUBE & COVER**

For use with all fuel gases, and where a flame and oil resistant tube and cover are required.

Product Number	I.D. (In.)	O.D. (In.)	No. of Spirals	W.P. (psi)	Approx. Wt./C Ft.	Price Per Ft. Reels Only
00521503200▲	3/16	7/16	2	200	16.6	\$ 2.772
00521504200	1/4	17/32	2	200	22.5	3.043
00521505200▲	5/16	19/32	2	200	27.1	3.334
00521506200	3/8	21/32	2	200	29.7	3.604

**Tube and Cover:** CR

**Reinforcement:** Spiral Polyester Yarn

**Temperature Range:** -40°F to +180°F

▲ = Make To Order (MTO)

**Branding:** Size, Grade T Fuel Gas Std. Duty KX WP

RMA 1-P-7-2008 Date Code

**Packaging:** Reels, Cut and Coupled Lengths

**TULINE WELDING, GRADE T—CUT & COUPLED (B&B)**

Product Number	I.D. (In.)	Length (Ft.)	Price Per Length
00521583250▲	3/16	50.0	\$ 136.680
00521584212▲	1/4	12.5	59.575
00521584225▲	1/4	25.0	92.088
00521584250	1/4	50.0	150.874
00521584290	1/4	100.0	284.303
00521585250▲	5/16	50.0	180.036
00521586250▲	3/8	50.0	226.606
00521586290▲	3/8	100.0	387.660

▲ = Make To Order (MTO)

Standard package 5 each per carton. Sold in standard packs only.

**SINGLE LINE CORRUGATED WELDING, GRADE T—CR TUBE & COVER**
**Specify Color: Red or Green. Red is used with all fuel gases,** and where a flame and oil resistant tube and cover is required.

Product Number		I.D. (In.)	O.D. (In.)	No. of Spirals	W.P. (psi)	Approx. Wt./C Ft.	Price Per Ft. Reels Only
Green	Red						
00523803205▲	00523903205▲	3/16	7/16	4	200	8.4	\$ 2.055
00523804405	00523904405	1/4	19/32	4	200	15.1	2.622
00523805400▲	00523905400▲	5/16	19/32	2	200	13.5	2.962
00523806400▲	00523906400▲	3/8	23/32	4	200	19.5	3.296

▲ = Make To Order (MTO)

▲ = Make To Order (MTO). Minimum run 25,000 ft./size.

## WELDING HOSE



### HOSE TECHNICAL INFORMATION PRECAUTIONS IN THE USE OF WELDING HOSE

WARNING: The use of certain fuel gases may damage welding hose and lead to fires and explosions.

#### FOREWORD:

This bulletin is issued to alert dealers and users of welding hose that special hose may be necessary for use with certain fuel gases.

#### SCOPE:

This bulletin relates to welding hose manufactured in conformance to RMA/CGA specification or to welding hose conforming to individual manufacturer or user specifications.

#### CAUTION:

The fuel gases listed below are recorded to alert welding hose users to a potential hazard with these or similar gases. It should be noted that no condemnation of any of the gases listed is intended. The purpose is to advise against the use of hose that may not be designed for a particular gas or pressure. A user of any fuel gas is urged to relate the type of gas along with the expected working pressure (regulator setting) to the hose manufacturer for a specific hose recommendation.

#### ALERT LISTING:

These and similar fuel gases may damage some grades or types of welding hose:

APACHE, FLAMEX, MAPP, PROPANE, PROPYLENE.

Use of the indicated or similar fuel gases at regulator settings above 40 psi may be particularly hazardous.

Users are also alerted against the use of ACETYLENE at any pressure above 15 psi.

#### IN-SERVICE CAUTION:

The user is first cautioned to shut off the gas at the torch and then at the regulator or supply source when the torch will not be used for periods in excess of 30 minutes, in order to limit permeation of gas through the hose wall.

The user is further cautioned not to shut off the fuel gas at the regulator or supply source first as a flashback may result and thereby damage the hose.

Adequate ventilation must be provided in confined areas where fuel gas is being used to prevent the accumulation or concentration of gas that could be explosive or otherwise harmful to personnel.

#### BACKGROUND INFORMATION:

The RMA/CGA specification for welding hose, as originally promulgated, considered welding hose that would be used to convey the then common fuel gas, acetylene, at the recommended low pressure (15 psi). Several grades were described, the variance between grades relating to a difference in their resistance to deterioration in the presence of oil, or to their resistance to destruction by flame, or both. No differentiation was made for a variance in performance resulting from exposure to the fuel gas itself. It had been determined that acetylene, when conveyed under the low pressures common to its recommended use, had little effect on hose, regardless of its composition or construction.

In recent years, there have been developed or adopted a number of fuel gases based on specific hydrocarbons or mixtures of hydrocarbons. It is known that these special fuel gases have a different effect on rubber compounds than does acetylene. The precise effect on all the many and varying hose compounds and constructions of the many manufacturers has not been determined for all the known special fuel gases.

The effect of any material being conveyed in a hose on the rubber compounds used in the hose can be measured by one or several test procedures. In the case of fuel gases, the test procedures most applicable would be designed to measure a change of the physical properties after exposure to the fuel gas including tensile, elongation, hardness and volume.

A characteristic of rubber hose that is significant in its use as welding hose is a phenomenon known as permeation. Any gas confined in the bore of a hose exhibits a tendency to pass through the tube wall and subsequently through the reinforcement and cover to the environment. Each gas has its own specific characteristic tendency to permeate. Each rubber compound exhibits specific resistance to permeation. The rate of permeation increases with higher temperature. To minimize the permeation of fuel gas through the hose wall it is logical to design the tube compound for the lowest possible permeation rate. The problem in the case of welding hose results from the variety of gases now encountered, the varying pressures used in service, and the varying temperatures to be found in the work place. The need to ventilate the work place is evident, both for maintaining the lowest practical temperature and to dissipate the permeating gas, however slight, to prevent buildup to concentrations that are either explosive or dangerous for breathing by workmen.

Some rubber compounds are known to have low permeation rates with several fuel gases but no specific rule can be laid down to predict overall performance. Thus, it becomes advisable to check the characteristic of each hose construction with each gas under actual or simulated service conditions to qualify it for use.

#### CAUTION:

Users of welding hose are urged to communicate their service conditions to the hose manufacturer and obtain the best recommendation of the manufacturer for a hose suitable for those conditions.

**AIR HOSE**
**ZEPHYR™—YELLOW COVER**

Product Number	I.D. (In.)	Braids	Approx. O.D. (In.)	Length	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Min. Bend (In.)	Price/Foot
22441328502▲	1/2	1	13/16	50 Ft.	1000	0.3	5.0	\$ 4.604
22441328662	1/2	1	13/16	Reel	1000	0.3	5.0	4.603
22441488502▲	3/4	1	1-1/8	50 Ft.	1000	0.4	7.5	5.333
22441488662▲	3/4	1	1-1/8	Reel	1000	0.4	7.5	5.333
22441648502▲	1	1	1-3/8	50 Ft.	1000	0.8	10.0	6.909
22441648662	1	1	1-3/8	Reel	1000	0.8	10.0	6.909
01014444502▲	1-1/4	1	1-13/16	50 Ft.	650	0.9	7.5	12.772
01014445502	1-1/2	1	2	50 Ft.	500	1.0	9.0	14.217
01014446502	2	2	2-1/2	50 Ft.	500	1.4	12.0	14.862

**Tube:** \*\*1/2"-1" SBR/NBR,\*1-1/4" and over EPDM.

**Reinforcement:** One or multiple wire braids.

**Cover:** Yellow 1/2"-1" NBR/PVC,\*1-1/4" and over EPDM.

**Service:** Heavy duty gauge wire, high pressure air service.

**Branding:** Thermoid Zephyr Air Hose WP  
Made In USA

**\*RMA Oil Resistance:** —Class C

▲ = **Make To Order (MTO)**. Minimum run 5000 ft./size. (1-1/4" I.D., Contact Customer Service)

**HERCULES® 1000 MULTIPURPOSE—YELLOW COVER  
(THERMOCURE)**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
22544168662▲	1/4	5/8	1000	0.16	\$ —
22544248662	3/8	3/4	1000	0.22	3.677
22544328662	1/2	15/16	1000	0.24	5.086
22544488662	3/4	1-1/8	1000	0.35	8.078
22544648662	1	1-1/2	1000	0.47	11.188

**Tube:** NBR/PVC, RMA Class A.

**Reinforcement:** 1/4", 3/8", and 1/2"-high tensile spiral polyester cord. 3/4" and 1"-high tensile spiral aramid fiber. Safety factor 4 to 1.

**Cover:** Yellow NBR/PVC carboxylated nitrile (Pin-Pricked) RMA Class A, MSHA Approved.

**Service:** Premium high pressure multipurpose for use in rock drill, air hammer and water jetting applications in mining and quarries. Also, superior performance in high pressure washer operations using moderate detergents in meat and poultry plants. Excellent in the transfer of petroleum and agricultural spray solutions.

**Branding:** Thermoid Hercules 1000 Multipurpose Hose Size I.D. 1000 PSI WP MSHA 1C-114/1 Made In USA Non-conductive.

**Temperature Range:** -40°F to 212°F.

**Conductivity:** Non-conductive.

**Lengths:** Reels.

▲ = **Make To Order (MTO)**

**HERCULES® 500 —YELLOW COVER (THERMOCURE)**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
22454168662	1/4	5/8	500	0.14	\$ 2.161
22454248662	3/8	3/4	500	0.21	2.647
22454328662	1/2	29/32	500	0.24	3.696
22454488662	3/4	1-3/16	500	0.36	4.947
22454648662	1	1-1/2	500	0.51	7.372
22454808662	1-1/4	1-3/4	500	0.66	13.751
22454968662	1-1/2	2-3/32	500	0.70	15.834

**Tube:** NBR/PVC, RMA Class A.

**Reinforcement:** Spiral polyester cord.

**Cover:** Yellow NBR/PVC carboxylated nitrile blend, RMA Class A.

**Service:** Heavy-duty air and water hose in agriculture, factory, foundry, mine, quarry and many other applications. MSHA approved cover.

**Lengths:** Reels.

**Branding:** Thermoid Hercules Multipurpose Hose Size I.D. 500 PSI WP MSHA 1C-114/1 Made In USA Non-conductive

**Conductivity:** Non-conductive. Hose is factory tested to have a minimum of 1,000,000 ohms per inch resistance when tested with a 1,000 volt D.C. meggar.

**AIR HOSE**

**EXCALIBUR™ MULTIPURPOSE—YELLOW COVER**

(THERMOCURE)

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
22574168662▲	1/4	5/8	500	0.16	\$ 2.077
22574248662	3/8	3/4	500	0.22	2.503
22574328662	1/2	29/32	500	0.24	3.393
22574488662	3/4	1-3/16	500	0.37	4.242
22574648662	1	1-1/2	500	0.51	6.140

**Tube:** NBR/PVC, RMA Class A.

**Reinforcement:** High tensile spiral polyester cord.

**Cover:** Yellow NBR/PVC RMA Class A, MSHA Approved.

**Service:** Premium high pressure multipurpose hose for use in agriculture, mining, factories, shipyards, quarries, meat/poultry and petroleum transfer.

**Branding:** Thermoid Excalibur Multipurpose Hose Size I.D. 500 PSI WP Made In USA MSHA 1C-114/1 Made In USA Electrically Non-conductive

**Lengths:** Reels.

**Temperature Range:** -40°F to 212°F.

**Conductivity:** Non-conductive.

**GLACIER™ MULTIPURPOSE—BLUE COVER (THERMOCURE)**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
22554166662▲	1/4	5/8	300	0.15	\$ 4.484
22554246662	3/8	3/4	300	0.21	5.595
22554326662	1/2	15/16	300	0.30	7.433
22554486662	3/4	1-1/4	300	0.39	9.551
22554646662	1	1-1/2	300	0.49	13.389
22554806662	1-1/4	1-25/32	300	0.61	20.056
22554886662▲	1-3/8	1-28/32	300	0.68	—
22554966662	1-1/2	2-3/32	300	0.83	27.746

**Tube:** ECO low temperature oil resistant synthetic rubber. RMA Class A.

**Reinforcement:** High tensile spiral polyester cord, 4 to 1 safety factor.

**Cover:** ECO smooth low temperature oil resistant synthetic rubber. RMA Class A.

**Service:** Premium low temperature multipurpose hose for air, water, oil, gasoline, kerosene, fuel oil and some chemical transfer applications in cold climates where temperatures fall as low as -65°F. Remains flexible and can be reeled in sub-zero temperatures. Manufactured with static wire.

**Branding:** Thermoid Glacier MP Hose Size I.D. WP Made In USA

**Lengths:** Reels.

**Temperature Range:** -65°F to 180°F.

▲ = Make To Order (MTO)

▲ = Make To Order (MTO). Minimum run 10,000 ft./size.

**LIQUID FOOD HOSE**

**TRANSPORTER®—Food Suction—White Corrugated Cover**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17751115002▲	1-1/2	2-1/16	150	4.5	1.0	\$ 18.256
17751120002▲	2	2-9/16	150	6.0	1.2	22.437
17751125002▲	2-1/2	3-1/8	150	7.5	1.7	26.081
17751130002	3	3-5/8	150	9.0	2.1	29.202
17751140002▲	4	4-11/16	100	12.0	2.8	35.562

**Tube:** NBR, FDA White.

**Reinforcement:** Spiral steel wire between synthetic textile plies.

**Cover:** White NBR/PVC, Corrugated.

**Service:** For oily edibles. Rated for full vacuum.

**Temperature Range:** -30°F to +200°F

**Branding:** Thermoid HBD Industries Transporter Food Suction White Nitrile Tube WP Made In USA

**Lengths:** 100 ft.

**Note:** Not recommended for milk, hot grease or sugar syrup.

▲ = Make To Order (MTO). Minimum run 1,200 ft./size. Contact Salisbury facility.

**LIQUID FOOD HOSE**

**TRANSPORTER®—Food Suction—Gray Smooth Cover**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17750015002▲	1-1/2	2-1/16	150	4.5	1.0	\$18.256
17750020002	2	2-9/16	150	6.0	1.2	22.437
17750030002	3	3-5/8	150	9.0	2.2	29.202
17750040002▲	4	4-11/16	100	12.0	2.9	35.562

▲ = Make To Order (MTO) (Contact Salisbury)

**Tube:** NBR, FDA White.

**Reinforcement:** Spiral steel wire between synthetic textile plies.

**Cover:** Gray NBR/PVC, Smooth.

**Temperature Range:** -30°F to +200°F

**Service:** For oily edibles. Rated for full vacuum.

**Branding:** Thermoid HBD Industries Transporter Food Suction White Nitrile Tube WP Made In USA

**Lengths:** 100 ft.

**TRANSPORTER®—Food Discharge**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17752020002▲	2	2-13/32	150	0.8	\$19.125
17752030002▲	3	3-7/16	150	1.2	24.516
17752040002▲	4	4-7/16	100	1.7	29.716

▲ = Make To Order (MTO)

**Tube:** NBR, FDA White.

**Reinforcement:** Synthetic textile plies.

**Cover:** Gray NBR/PVC, with green stripe.

**Temperature Range:** -30°F to +200°F

**Service:** For oily edibles.

**Branding:** Thermoid HBD Industries Transporter Food Discharge FDA Nitrile Tube Made In USA

**Lengths:** 100 ft.

▲ = Make To Order (MTO). Minimum run 1,200 ft./size.

**FOOD INDUSTRY HOSE**

**TRANSPORTER® GRAY SHADOW FOOD SUCTION**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Min. Bend (In.)	Price/Foot
17751240002	1-1/2	2-3/16	150	1.2	3.0	\$19.204
17751250002	2	2-11/16	150	1.6	4.0	23.587
17751260002▲	2-1/2	3-7/32	150	2.0	5.0	27.168
17751270002	3	3-23/32	150	2.3	6.0	30.737
17751280002	4	4-51/64	150	3.4	8.0	37.421

▲ = Make To Order (MTO)

**Tube:** NBR

**Reinforcement:** Multiple synthetic textile colors with dual wire helix(es).

**Cover:** NBR/PVC, gray, deep corrugations with flat hose exterior.

**Service:** Designed to handle a wide variety of liquid products including oily edibles. White nitrile, FDA tube will not impart taste or odor to the liquids being transferred. Tube meets FDA and USDA requirements. Rated for full vacuum.

**Branding:** Continuous transfer label White background with red letters. Example: Thermoid/HBD Industries, Inc. Gray Shadow Food 150 PSI WP Made In USA

**Lengths:** 1-1/2"-4" 100'

**Made To Order:** Minimum run 1,200 ft./size. (Contact Salisbury)

**ASPHALT TRANSFER HOSE**

**TRANSPORTER® HOT TAR & ASPHALT**

Product Number	I.D. (In.)	Spirals	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17771520002	2	2	2-5/8	150	8.0	1.5	\$26.375
17771530002	3	2	3-3/4	150	14.0	2.8	36.935
17771540002▲	4	2	4-3/4	150	18.0	4.0	53.276

**Tube:** Specially compounded CR suitable for temperatures to +350°F.

**Reinforcement:** Spiral synthetic cord with spiral helix(es) wire inserted.

**Cover:** Black, special heat-resistant CR.

**Service:** For transfer of hot asphaltic materials between trucks, rail transport cars, storage tanks and disposing units. Strong and durable with an ability to withstand high temperatures.

**Branding:** Thermoid HBD Industries Hot Tar & Asphalt 150 WP +350°F Max. Temp. Made In USA  
**Standard Lengths:** 100 ft.

▲ = Make To Order (MTO). Minimum order 1,200 ft. per size. (Contact Salisbury)



**LPG HOSE**

**TYPE 75 BUTANE-PROPANE**

Product Number	I.D. (In.)	Spirals	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
<b>Type 75</b>						
00667304600	1/4	4	5/8	350	0.14	<b>1.662</b>
00667306600	3/8	4	3/4	350	0.18	<b>2.428</b>
00667308600	1/2	4	15/16	350	0.29	<b>2.761</b>
22074481662	3/4	4	1-1/4	350	0.27	<b>6.988</b>
22074641662	1	4	1-1/2	350	0.58	<b>7.978</b>

**Note:** Do not use reusable couplings with this product.

This hose permeates and must be used in an open, well-ventilated environment.

**Tube:** NBR. RMA Class A.

**Reinforcement:** 2 or 4 Spiral Polyester.

**Cover:** CM RMA Class B.

**Service:** For transferring LP Gas from bulk storage to tank cars or cylinders, or from tank truck to home storage. UL 21 approved.

**Branding:** Thermoid Type 75 LPG Hose  
UL Listed Gas Hose Issue Number (Quarter)  
MH12585 350 PSI Maximum WP Made In USA

**Standard Lengths:** Reels.

**TYPE 75 BUTANE-PROPANE — COUPLED**

MALE X MALE—THERMOID PRO SUR **BRASS** FITTING

Product Number	I.D. (In.)	Length (Ft.)	Price Per Length
22074481101	3/4	100	<b>\$ 836.645</b>
22074481121	3/4	125	<b>1,031.424</b>
22074481151	3/4	150	<b>1,226.203</b>
22074481171	3/4	175	<b>1,420.983</b>
22074641101	1	100	<b>932.248</b>
22074641121	1	125	<b>1,131.548</b>
22074641151	1	150	<b>1,327.795</b>
22074641171	1	175	<b>1,529.435</b>

D.O.T. Test Certificate included. Size 1/2" coupled lengths available. Contact Customer Service for pricing.

Hose assemblies tested/approved to 7/1/99 D.O.T. regulations.

**MALE x MALE – Steel Fitting**

22075641101	1	100	<b>\$ 886.515</b>
22075641121	1	125	<b>1,086.043</b>
22075641151	1	150	<b>1,282.539</b>

Hose proof tested to 700 PSI.

**TYPE 65 BUTANE-PROPANE**

Product Number	I.D. (In.)	Plies	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17814605 <sup>(a)</sup>	*1-1/4	4	1-13/16	350	8.0	0.92	<b>\$ 27.767</b>
17814610 <sup>(a)</sup>	*1-1/2	4	2-3/16	350	9.0	1.21	<b>30.596</b>
17814615 <sup>(a)</sup>	2	4	2-3/4	350	12.0	1.77	<b>43.863</b>

**Tube:** CR. Oil-resistant—withstands LP-gas permeation.

**Reinforcement:** High tensile cord. Designed for minimum burst of 1,750 pounds.

**Cover:** Black CR, Oil-resistant—resists snagging, abrasion and weather.

**Service:** Lightweight, flexible hose for same service as above except for tank truck to home storage and in larger sizes. Flexible static wire in all sizes. U/L approved. \*1-1/2" ID also meets CAN/CGA-8.1-M86 (Type 1). Not recommended for use with natural gas or propylene.

**Branding:** Thermoid HBD Industries Inc. Type 65  
UL Listed LPG Hose MH12585 Issue Number  
350 PSI Max. WP Quarter/Year Made In USA

**Standard Lengths:** 50 ft.

**Note:** Do not use reusable couplings with this product.

<sup>(a)</sup>To order 50/100 ft., use product number and 002 = 100 ft. & 502 = 50 ft.

**LPG HOSE**

**POLAR-FLEX/CGA TYPE I BUTANE-PROPANE**

(THERMOCURE)

Product Number	I.D. (In.)	Spirals	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Ft. Uncoupled
22071161662▲	1/4	2	37/64	350	0.13	\$ 2.424
22071241662▲	3/8	2	11/16	350	0.16	3.493
22073321662▲	1/2	4	15/16	350	0.30	5.209
22073481662	3/4	4	1-1/4	350	0.43	7.675
22073641662	1	4	1-1/2	350	0.58	8.443

▲ = Make To Order (MTO) — Minimum 10,000 ft. run.

**Tube:** NBR, RMA Class A.

**Reinforcement:** 2 or 4 spiral polyester.

**Cover:** Perforated to permit gas diffusion. CM, RMA Class B.

**Service:** Premium low temperature hose designed for use in sub-zero climate operating conditions transferring liquefied petroleum gas from bulk storage tank to tank cars/cylinders or from tank truck to home storage.

**Branding:** Thermoid Polar-Flex CGA Type 1 UL Listed LP Gas Hose Issue No. (Quarter) MH12585 350 PSI Max. WP Made In USA

**Standard Lengths:** Reels.

**Temperature Range:** -50° to 180°F.

Polar-Flex is UL 21 File MH12585 approved. Polar-Flex meets or exceeds Canadian Gas Association Type 1 requirements and CGA Type 1 approved.

**POLAR-FLEX/CGA TYPE 1 BUTANE-PROPANE**

(THERMOCURE) COUPLED MALE X MALE THERMOID PRO-SUR

**BRASS FITTING**

Product Number	I.D. (In.)	Length (Ft.)	Price Per Length
22073641101	1**	100	\$ 1,024.625
22073641121	1**	125	1,243.846
22073641151	1**	150	1,459.709

Hose proof tested to 700 PSI.

D.O.T. Test Certificate included. Sizes 1/2" and 3/4" coupled lengths available. Contact Customer Service for pricing.

Hose assemblies tested/approved to 7/1/99 D.O.T. regulations.

\*\*CGA approval on 1" assemblies only.

**SAND BLAST HOSE**

**BLAST-FLEX™ SAND BLAST**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17776010502	3/4	1-1/2	150	0.7	\$ 8.562
17776015502	1	1-7/8	150	1.0	11.068
17776025502▲	1-1/4	2-5/32	150	1.2	13.350
17776035502▲	1-1/2	2-3/8	150	1.3	14.367
17776040502▲	2	2-7/8	100	1.7	17.037
17776045502▲	2-1/2	3-13/32	100	2.0	20.666
17776050502	3	3-29/32	100	2.4	22.212

▲ = Make To Order (MTO)

**Tube:** 1/4" thick, SBR/NR tube resists abrasion in sandblast service. Static-conducting properties prevent build-up of electrical charges.

**Reinforcement:** Four spiral plies of heavy fabric. Resists collapsing and kinking when hose is bent. Larger sizes reinforced with heavier weight fabric for added strength.

**Cover:** Black SBR/EPDM, resists abrasion, cuts and snags.

**Service:** For cleaning, cutting or finishing casting, stone, glass and metal surfaces. Conducts sand, steel, shot or other sharp abrasives at high velocity.

**Branding:** HBD Industries Sand Blast Made In USA

**Lengths:** 50 ft. all sizes.

**WRAPPED SAND BLAST**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
21224407502	1/2	1-3/16	150	0.5	\$ 7.834
21224400502▲	3/4	1-1/2	150	0.7	9.754
21224401502	1	1-7/8	150	1.0	12.864
21224402502	1-1/4	2-5/32	150	1.2	17.101
21224403502▲	1-1/2	2-3/8	150	1.3	20.483
21224404502▲	2	2-7/8	100	1.7	24.603

▲ = Make To Order (MTO)

**Tube:** 1/4" thick, black NR, resists abrasion in sandblast service. Static-conducting properties prevent build-up of electrical charges.

**Reinforcement:** Four plies of heavy fabric. Resists collapsing and kinking when hose is bent. Larger sizes reinforced with heavier weight fabric for added strength.

**Cover:** Black SBR, resists abrasion, cuts and snags.

**Service:** For cleaning, cutting or finishing casting, stone, glass and metal surfaces. Conducts sand, steel, shot or other sharp abrasives at high velocity.

**Branding:** Thermoid HBD Industries Sand Blast Hose WP Made In USA

**Lengths:** 50 ft. all sizes.

▲ = Make To Order (MTO). Minimum order 500 ft./size. (Contact Salisbury)

**FURNACE DOOR HOSE**

**FURNACE DOOR (Wire Braid)**

Product Number	I.D. (In.)	Braid	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
01164461502▲	1	3	1-11/16	250	8.0	0.61	\$ 26.939
01164462502	1-1/4	3	1-7/8	250	10.0	0.80	28.577
01164463502	1-1/2	3	2-1/8	250	12.0	0.95	31.545
01164464502	2	3	2-5/8	250	16.0	1.20	36.392

**Tube:** EPDM.

**Reinforcement:** One braid of high-tensile carbon steel wire, plus heat resistant textile layer for insulation against severe external heat.

**Cover:** Flexible braid of stainless steel wire, designed to prevent buildup of metal splatterings. Resists tendency for molten metal to cling to hose.

**Service:** Use as a water cooling hose on open hearth steel mill furnaces. Light and flexible enough to be changed by one man.

**Lengths:** 50 ft. Minimum order 500 ft./size.

▲ = Make To Order (MTO) — 500 ft. minimum run required.

▲ = Make To Order (MTO). Minimum run 1,000 ft./size. Contact Salisbury facility.

**STEAM HOSE**

**BURSTPROOF™ REGULAR (THERMOCURE)**

Product Number		I.D. (In.)	Braids	O.D. (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot	
Black	Red					Black	Red
22052321 <sup>(a)</sup>	22052322 <sup>(a)</sup>	1/2	2	1	0.38	\$ 6.361	\$6.645
22052481 <sup>(a)</sup>	22052482 <sup>(a)</sup>	3/4	2	1-9/32	0.52	7.308	7.675
22052641 <sup>(a)</sup>	N	1	2	1-17/32	0.77	10.602	—
01104413502	N	1-1/4	2	1-7/8	1.10	14.480	—
01104414502	N	1-1/2	2	2-7/64	1.23	16.560	—
01104415502	N	2	2	2-21/32	1.62	22.517	—

Minimum bend radius=12 x I.D.

**N = Non-Stock.** (Minimum run 5,000 ft./size.)

**Tube:** EPDM, heat resistant rubber retains elasticity under severe operating conditions.

**Reinforcement:** Two braids of carbon steel wire.

**Cover:** Black EPDM, pricked. Also available in red for 1/2", 3/4" and 1".

**Service:** For saturated steam service, 406°F, 250 psi working pressure, 450°F superheated steam.

**Branding:** Thermoid HBD Industries BP Steam 250 PSI WP Hose Made In USA

**Standard Lengths:** 1/2", 3/4" and 1" in 50 ft. or reel quantities. 1-1/4" and over, 50 ft.

<sup>(a)</sup>**Product Numbers Last Three Digits**

Reels=662 50 Ft.=502 except 3/4"=512 on Black 1-1/4", 1-1/2" & 2": ID Meets MILH 28596B, Type 1, Grade A.

**Note:** Burstproof product numbers beginning in 220 = smooth cover; 011 = wrapped cover.

**BURSTPROOF™ OIL RESISTANT (THERMOCURE)**

Product Number		I.D. (In.)	Braids	O.D. (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot	
Black	Red					Black	Red
22062321 <sup>(a)</sup>	22062322 <sup>(a)</sup>	1/2*	2	1-1/16	0.38	\$ 7.110	\$7.511
22062481 <sup>(a)</sup>	22062482 <sup>(a)</sup>	3/4*	2	1-9/32	0.52	8.058	8.484
22062641 <sup>(a)</sup>	N	1*	2	1-17/32	0.77	12.279	—
01104426502	N	2-1/2*	2	3-1/8	2.00	28.051	—

Minimum bend radius=12 x I.D.

**N = Non-Stock.** (Minimum run 5,000 ft./size.)

**Tube:** EPDM, RMA Class C.

**Reinforcement:** Carbon steel wire.

**Cover:** Black EPDM, oil resistant, RMA Class C.

**Service:** Steam service where cover may contact oil or grease. For saturated and superheated service up to 250 psi and 406°F.

**Branding:** BP Steam 250# PSI WP Oil Resistant Made In USA

**Lengths:** 1/2" and 3/4" in 50 ft. or reel, 1" and 2-1/2", 50 ft.

<sup>(a)</sup>**Product Numbers Last Three Digits**

Reels=662 50 Ft.=502

\*Meets RMA Class C oil resistance.

**Note:** Burstproof product numbers beginning in 220 = smooth cover; 011 = wrapped cover.

**CHEMICAL HOSE**

**TRANSPORTER®—ULTRA-CHEM™**

Product Number	I.D. (In.)	O.D. (In.)	W.P.* (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17709008002	1	1.47	250	4.0	0.53	\$19.751
17709009002	1-1/4	1.78	250	4.0	0.75	20.759
17709010002	1-1/2	2.08	250	4.0	0.96	22.496
17709012002	2	2.58	250	6.0	1.30	25.908
17709013002▲	2-1/2	3.13	200	8.0	1.77	36.734
17709014002	3	3.66	200	9.0	2.09	40.687
17709016002	4	4.70	150	12.0	2.92	45.155

▲ = Make To Order (MTO) (Contact Salisbury)

**Tube:** FDA Approved UHMWPE, backed with a compatible rubber layer.

**Reinforcement:** Multiple synthetic textile cords and a dual wire helix(es).

**Cover:** EPDM Green, abrasion and chemical resistant.

**Service:** Extremely flexible chemical transfer hose that handles 98% of all common industrial chemicals, and is ideal for pressure, gravity flow and suction service. Rated full vacuum.

**Branding:** Thermoid HBD Industries Transporter Ultra-Chem XXX PSI WP Made In USA

**Lengths:** 100 ft.

**TRANSPORTER®—ULTRA-CHEM™—BLACK**

Product Number	I.D. (In.)	O.D. (In.)	W.P.* (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17709300002	1	1.47	250	4.0	0.52	\$19.751

Other sizes available upon request, contact Salisbury.

**TRANSPORTER®—MULTI-CHEM®**

Product Number	I.D. (In.)	O.D. (In.)	W.P.* (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
<b>Green</b>						
17704600002▲	1	1-11/16	200	5.0	0.80	\$20.338
17704601002▲	1-1/4	1-15/16	200	7.0	1.00	21.954
17704602002▲	1-1/2	2-3/16	200	8.0	1.10	23.185
17704603002	2	2-13/16	200	9.0	1.70	26.718
17704604002▲	3	3-29/32	150	16.0	2.70	50.724
17704605002▲	4	4-13/16	150	21.0	3.50	53.295

**Tube:** XLPE resists approximately 90% of all industrial chemicals. Exceptions are strong oxidizing acids such as nitric and chromic. **Maximum temperature limitations 150°F, for most chemicals.**

**Reinforcement:** Synthetic textile cords with wire helix(es).

**Cover:** EPDM Green, abrasion and chemical resistant.

**Service:** Resists approximately 90% of all industrial chemicals. Exceptions are elevated temperatures and strong oxidizing acids such as nitric acid and chromic. Rated full vacuum.

**Branding:** Thermoid HBD Industries Transporter Multi-Chem Made In USA

**Standard Lengths:** 100 ft.

\*Working pressures reflect a permanent type coupling such as swage or internally expanded. For banded type couplings, the working pressure should reflect 65% of the ratings listed.

▲ = Make To Order (MTO) (Contact Salisbury)

**TRANSPORTER®—Chemical H**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17703015002	1-1/2	2	150	4.5	0.83	\$22.122
17703020002	2	2-1/2	150	6.0	1.08	25.973
17703030002▲	3	3-9/16	150	9.0	1.81	43.323

**Tube:** CSM Black.

**Reinforcement:** Spiral steel wire helix(es) between synthetic textile plies.

**Cover:** Yellow CR with red stripe.

**Service:** Moderate chemicals and strong acids, oils, fats, greases and solvents. Rated full vacuum.

**Branding:** HBD Industries Transporter Chemical H WP Made In USA

**Lengths:** 100 ft.

**Note:** Available with straight ends, uncapped only.

▲ = Make To Order (MTO) (Contact Salisbury)

**N = Non-Stock.** Minimum run 1,200 ft./size. Contact Salisbury facility.

**CHEMICAL HOSE**
**TRANSPORTER®—Chemical B**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17704010002▲	1	1-1/2	150	3.0	0.65	\$13.519
17704020002▲	2	2-9/16	150	6.0	1.23	17.448
17704030002▲	3	3-5/8	150	9.0	2.20	26.798
17704040002	4	4-11/16	100	12.0	3.00	34.251

▲ = Make To Order (MTO)

**Tube:** IIR.

**Reinforcement:** Spiral steel wire helix(es) between synthetic textile plies.

**Cover:** Brown EPDM.

**Service:** Designed to handle strong and oxidizing acids, esters, ketones, and alcohols. Rated full vacuum.

**Branding:** Thermoid HBD Industries Transporter Chemical B WP Made In USA

**Lengths:** 1"-50 ft; 1-1/2"-4"-100 ft.

**TRANSPORTER®—Red Tank Truck**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17813015002	1-1/2	2	150	4.5	0.8	\$11.936
17813020002	2	2-15/32	150	6.0	1.0	13.813
17813025002▲	2-1/2	3-1/16	150	7.5	1.5	18.163
17813030002	3	3-9/16	150	9.0	1.7	21.023
17813040002▲	4	4-5/8	150	12.0	2.5	30.051

▲ = Make To Order (MTO)

**Tube:** NBR, RMA Class A, high oil resistance.

**Reinforcement:** Spiral steel wire helix(es) between synthetic textile plies.

**Cover:** Red, NBR/PVC, RMA Class B, oil and weather resistant.

**Service:** Most hydrocarbons, fats, greases, animal and vegetable oils. Hydraulic fluid and wide range of chemicals. Rated full vacuum.

**Branding:** Thermoid HBD Industries, Inc. Transporter Tank Truck Made In USA

**Lengths:** 100 ft.

**TRANSPORTER®—Black Tank Truck**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17811008002	1	1-1/2	200	2.5	0.5	\$ 10.097
17811010002	1-1/4	1-3/4	200	3.0	0.7	10.806
17811015002	1-1/2	2	150	4.5	0.8	11.552
17811020002	2	2-15/32	150	6.0	1.0	13.167
17811025002	2-1/2	3-1/16	150	7.5	1.5	16.800
17811030002	3	3-9/16	150	9.0	1.7	20.056
17811040002	4	4-5/8	150	12.0	2.5	28.577

**Tube:** NBR, RMA Class A, high oil resistance.

**Reinforcement:** Spiral steel wire helix(es) between synthetic textile plies.

**Cover:** Black, NBR/PVC, RMA Class B, oil and weather resistant.

**Service:** Most hydrocarbons, fats, greases, animal and vegetable oils. Hydraulic fluid and wide range of chemicals. Rated full vacuum.

**Branding:** Thermoid HBD Industries, Inc. Transporter Tank Truck Made In USA

**Lengths:** 1"-4"-100 ft. 6"-50 ft.; 6"-100 ft. available upon request.

▲ = Make To Order (MTO). Minimum run 1,200 ft./size. Contact Salisbury facility.

**PETROLEUM HOSE**

**TRANSPORTER®—FLEX-DEVIL™**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17814532002	2	2.43	150	4.0	0.90	\$12.641
17814534002	3	3.47	150	6.0	1.56	18.102
17814536002	4	4.54	150	8.0	2.24	25.900

**Tube:** NBR, RMA Class A.

**Reinforcement:** Multiple ply synthetic textile cords with dual wire helix(es).

**Cover:** CR, RMA Class B, corrugated.

**Service:** For use in the transfer of gasoline, petroleum based products and wide range of oils and chemicals.

**Branding:** Thermoid HBD Industries  
Transporter Flex-Devil 150 PSI WP  
Made In USA - Caution Statement

**Lengths:** 100 ft.

**TRANSPORTER®—Ebonite™ Corrugated Tank Truck**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17813045002▲	1	1-17/32	150	2.0	0.6	\$12.576
17813047002	1-1/2	2-1/16	150	3.0	0.9	14.522
17813048002	2	2-9/16	150	4.5	1.2	16.721
17813050002	3	3-9/16	150	6.0	1.8	23.747
17813055002	4	4-21/32	150	8.0	2.7	34.571

**Tube:** NBR, RMA Class A.

**Reinforcement:** Two plies of polyester cord with dual wire helix(es).

**Cover:** Flat, corrugated NBR/PVC RMA Class B, Black with white stripe.

**Service:** Most hydrocarbons, fats, greases, animal and vegetable oils. Hydraulic fluid and a wide range of chemicals. Rated full vacuum.

**Branding:** Thermoid HBD Industries Inc.  
Ebonite™ 150 PSI WP Made In USA

▲ = Make To Order (MTO)

**TRANSPORTER®—Ebonite LT™ Corrugated Tank Truck**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17813057002	1-1/2	2-1/16	150	3.0	0.9	\$15.186
17813058002	2	2-9/16	150	4.0	1.2	17.691
17813060002	3	3-9/16	150	5.5	1.8	24.761
17813065002	4	4-21/32	150	8.0	2.7	36.069

**Tube:** NBR.

**Reinforcement:** Two plies of polyester cord. Dual wire helix(es).

**Cover:** NBR/PVC corrugated

**Service:** Suction and discharge for tank truck, tank car and bulk station to convey gasoline, distilled kerosene, diesel and other fuels to -65°F. Rated full vacuum.

**Branding:** Thermoid HBD Industries, Inc.  
Ebonite™ LT 150 PSI WP Made In USA

▲ = Make To Order (MTO). Minimum run 1,200 ft./size. Contact Salisbury facility.

**PETROLEUM HOSE**
**TRANSPORTER®—Vapor-Loc™**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
<b>Smooth Cover</b>						
17814811002	1	1.53	200	2.50	.61	\$ 9.888
17814812002	1-1/4	1.80	200	3.00	.77	12.133
17814813002	1-1/2	2.04	150	4.50	.88	12.785
17814814002	2	2.54	150	6.00	1.14	14.274
17814815002	2-1/2	3.10	150	7.50	1.62	19.968
17814816002	3	3.60	150	9.00	1.89	21.543
17814818002	4	4.68	150	12.00	2.73	30.992

**Corrugated Cover**

17814712002	2	2.48	150	5.00	1.00	\$15.170
17814714002	3	3.53	150	6.00	1.69	21.721
17814716002	4	4.56	150	8.00	2.41	31.079

**TRANSPORTER®—Vapor Recovery**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Vacuum (Hg)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17811130002▲	3	3-7/16	100	9.0	Full	1.3	\$18.808
17811140002▲	4	4-7/16	80	12.0	Full	1.8	22.618

▲ = Make To Order (MTO)

**TYPE 924 PETROLEUM TRANSFER**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17812008002	1	1-1/2	200	2.5	0.5	\$ 8.240
17812010002	1-1/4	1-3/4	200	3.0	0.7	9.108
17812015002	1-1/2	2	150	4.5	0.8	9.834
17812020002	2	2-15/32	150	6.0	1.0	11.895
17812025002	2-1/2	3-1/16	150	7.5	1.5	16.135
17812030002	3	3-9/16	150	9.0	1.7	17.953
17812040002	4	4-5/8	150	12.0	2.5	25.686

**Tube:** NBR/RMA Class A

**Reinforcement:** Spiral steel wire helix (es) between synthetic textile plies

**Cover:** Smooth – NBR/PVC, Corrugated- CR, MSHA

**Service:** Gasoline, gasoline-ethanol blends, diesel and oil. Rated full vacuum.

**Branding:** Thermoid Vapor-Loc Tank Truck, 150/200 WP, Made in USA, HBD/Thermoid, Inc., Caution Statement

**Lengths:** 1"-4" I.D. – 100ft. maximum

**Tube:** NBR.

**Reinforcement:** Two plies of synthetic cord with spiral wire helix(es) between plies.

**Cover:** Black, NBR/PVC, with white stripe.

**Service:** For vapor collection generated when fuels are dropped into tanks. Rated full vacuum.

**Branding:** Thermoid HBD Industries Transporter® Vapor Recovery Made In USA

**Lengths:** 100 ft.

**Tube:** NBR, RMA Class A.

**Reinforcement:** Spiral steel wire helix(es) between synthetic textile plies.

**Cover:** Black, NBR/PVC, RMA Class B.

**Service:** Most hydrocarbons, fats, greases, animal and vegetable oils. Hydraulic fluid and a wide range of chemicals. Rated full vacuum.

**Branding:** Thermoid HBD Industries Inc. Type 924 Petroleum Transfer WP Made In USA

**Lengths:** 100 ft.

 Indicates hose product available in VAPOR-LOC™ version.

▲ = Make To Order (MTO). Minimum run 1,200 ft./size. Contact Salisbury facility.



**PETROLEUM HOSE**

**COBRA FUEL OIL DELIVERY—Reels (THERMOCURE)**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Ft. Per Reel	Price/Foot
22564642662	1	1-1/2	250	500	\$ 8.747
22564802662	1-1/4	1-25/32	250	400	10.946
22564882662	1-3/8	1-7/8	250	400	11.940
22564962662	1-1/2	2-3/32	250	400	13.512

**Tube:** NBR, RMA Class A.

**Reinforcement:** High tensile spiral polyester cord.

**Cover:** Red NBR/PVC, RMA Class A.

**Service:** Premium Delivery Hose for the transfer of fuel oils, commercial gasolines and related petroleum based products in home delivery, marine, commercial and industrial service. Manufactured with static wire.

**Branding:** Thermoid Cobra I.D. Fuel Oil Hose WP 250 PSI Made In USA Month/Year

**Lengths:** Reels.

**Temperature Range:** -40°F to +212°F; -40°C to +100°C

**CUT AND COUPLED LENGTHS**

Product Number Uncoupled	Product Number Coupled	I.D. (In.)	O.D. (In.)	W.P. (psi)	Length Ft.	Uncoupled Price/Foot	Coupled Price/Length
22564642102	22564642111	1	1-1/2	250	100	\$ 8.747	\$ 916.785
22564642122	22564642131	1	1-1/2	250	125	8.747	1,187.454
22564642152	22564642141	1	1-1/2	250	150	8.747	1,360.587
22564642172	22564642171	1	1-1/2	250	175	8.747	1,574.145
22564802102	22564802111	1-1/4	1-25/32	250	100	10.946	1,196.382
22564802122	22564802131	1-1/4	1-25/32	250	125	10.946	1,468.386
22564802152	22564802141	1-1/4	1-25/32	250	150	10.946	1,744.004
22564802162	22564802171	1-1/4	1-25/32	250	175	10.946	2,019.219
22564882102	22564882111	1-3/8	1-7/8	250	100	11.940	1,457.722
22564882122	22564882131	1-3/8	1-7/8	250	125	11.940	1,600.582
22564882152	22564882141	1-3/8	1-7/8	250	150	11.940	1,901.161
22564882162	22564882201	1-3/8	1-7/8	250	175	11.940	2,201.538
22564962102	22564962111	1-1/2	2-3/32	250	100	13.511	1,610.033
22564962122	22564962131	1-1/2	2-3/32	250	125	13.511	1,786.353
22564962152	22564962141	1-1/2	2-3/32	250	150	13.511	2,124.697
22564962162	22564962171	1-1/2	2-3/32	250	175	13.511	2,461.083

**Coupled Lengths:** Male x Female Swivel Permanent Brass Fittings.

**Non stock. Coupled Lengths:** Male x Male or Female x Female also available. Contact customer service for pricing.

**PUMPFLEX® I—Reels (THERMOCURE)**

Product Number Black	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
22462401662	5/8	1-1/32	200	0.27	\$3.127
22462481662	3/4	1-1/8	200	0.32	3.595
22464641662	1	1-1/2	150	0.62	5.917

**Tube:** NBR/PVC, Class A.

**Reinforcement:** Spiral polyester cord with static wire. (Softwall).

**Cover:** Thermanon™ Oil and weather resistant. U/L approved, Class B.

**Service:** Designed for curb pump self-service stations and highly sensitive electronic fuel pumps. Only permanent fittings are recommended for gasoline hose. Reusable fittings are not recommended.

**Branding:** Thermoid Size Pumpflex I Gasoline Hose UL Listed 97MO Made In USA Month/Year

**Lengths:** Reels.

**Colored Cover:** Contact customer service Salisbury facility for pricing and minimum order requirements.

**PETROLEUM HOSE**

**PUMPFLEX® II—Reels (THERMOCURE)**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
22341401662	5/8	1	350	0.40	\$4.825
22341481662	3/4	1-1/8	250	0.44	5.412
22341641662	1	1-1/2	150	0.69	7.816

**Tube:** NBR/PVC, RMA Class A.

**Reinforcement:** One wire braid. (Hardwall).

**Cover:** Thermalon™ Oil and weather resistant. U/L approved. RMA Class B.

**Service:** Designed for curb pump service, self-service stations and highly sensitive electronic fuel pumps. Only permanent fittings are recommended for gasoline hose. Reusable fittings are not recommended.

**Branding:** Thermoid Size Pumpflex II Gasoline Hose UL Listed 97MO Made In USA Month/Year

**Lengths:** Reels, coupled lengths

**Colored Cover:** Contact customer service for pricing and minimum order requirements.

**PUMPFLEX® Marina Non-Marking Cover (THERMOCURE)**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
22463404662▲	5/8	1-1/32	200	0.27	\$4.160
22463484662	3/4	1-1/8	200	0.32	4.766
22464644662	1	1-1/2	150	0.62	7.393

**Tube:** NBR/PVC, RMA Class A.

**Reinforcement:** Spiral polyester cord with static wire (softwall).

**Cover:** Green CM, RMA Class B. Oil and weather resistant, UL Approved.

**Service:** Designed for marine market; all types of gasoline, oil and other petroleum products.

**Branding:** Thermoid Size Pumpflex Marina Hose UL Listed 97MO Made In USA Month/Year

**Lengths:** Reels.

▲ = Make To Order (MTO)

**MATERIAL HANDLING HOSE**

**TRANSPORTER®—Material Suction**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17771115002▲	1-1/2	2-7/32	150	5.0	1.3	\$21.552
17771120002▲	2	2-3/4	150	7.0	1.6	24.789
17771130002▲	3	3-7/8	150	9.0	2.7	37.017
17771140002	4	4-7/8	100	12.0	4.0	47.296

**Tube:** Nominal 3/16" NR, FDA White.

**Reinforcement:** Synthetic steel wire helix(es) between synthetic textile plies.

**Cover:** Blue SBR, abrasion and weather resistant; corrugated.

**Service:** For non-oily edibles. Rated full vacuum.

**Branding:** Thermoid HBD Industries Material Suction FDA White Natural Rubber Tube WP Made In USA

**Lengths:** 100 ft. Maximum

▲ = Make To Order (MTO)

**TRANSPORTER®—Material Discharge**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot Uncoupled
17772020002▲	2	2-11/16	150	1.20	\$23.247
17772030002▲	3	3-11/16	150	1.70	30.564
17772040002	4	4-11/16	100	2.40	37.926

**Tube:** Nominal 3/16" NR, FDA White.

**Reinforcement:** Multiple plies of synthetic cord and static wire.

**Cover:** Blue SBR, with yellow stripe. Abrasion and weather resistant.

**Service:** For non-oily edibles.

**Branding:** Thermoid HBD Industries Transporter Material Discharge, FDA White Natural Rubber Tube WP Made In USA

**Lengths:** 100 ft. Maximum

▲ = Make To Order (MTO)

▲ = Make To Order (MTO). Minimum run 1,200 ft./size. Contact Salisbury facility.

**MATERIAL HANDLING HOSE**

**TRANSPORTER®—Hot Air Blower**

Product Number	I.D. (In.)	O.D. (In.)	Approx. Wt./Ft. (Lbs.)	Min. Bend (In.)	Price/Foot
17717025002▲	2-1/2	3-1/16	1.7	12.5	\$21.171
17717030002	3	3-9/16	2.0	15.0	23.912
17717040002	4	4-5/8	2.8	18.0	30.192

▲ = Make To Order (MTO)

**Tube:** EPDM, resists heat developed by blower.

**Reinforcement:** Spiral steel wire helix(es) between synthetic textile plies.

**Cover:** Brown EPDM, resistant to heat, weather and ozone.

**Service:** For air supply service up to 150 psi. Used in bulk delivery of dry materials. Construction resists customary transport conditions. Withstands temperature up to +350°F. Rated full vacuum.

**Branding:** Thermoid HBD Industries Hot Air Blower Made In USA -30°F to +350°F

**Lengths:** 100 ft. Maximum

**TRANSPORTER®—Oil Field Vacuum**

Product Number	I.D. (In.)	Plies	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Min. Bend (In.)	Price/Foot
17814461002▲	1-1/2	2	1-15/16	150	0.70	1.5	\$ 7.594
17814462002	2	2	2-7/16	150	0.90	2.0	8.747
17814463002▲	2-1/2	2	2-31/32	150	1.20	2.5	12.355
17814464002	3	2	3-15/32	150	1.40	4.5	12.985
17814465002	4	2	4-35/64	150	2.30	6.0	17.791

▲ = Make To Order (MTO)

**Tube:** Special fuel and oil resistant. NBR/SBR blend, Black. Meets RMA IP-2, Class B oil resistance requirements.

**Reinforcement:** Multiple synthetic textile cords with dual wire helix(es).

**Cover:** SBR/EPDM corrugated.

**Service:** An economical, lightweight, rugged, yet flexible hose designed for the transfer of crude oil and brine water, drilling mud, and dilute solutions of hydrochloric acids and diesel fuels. Do not use with gasoline and other refined products with aromatic levels exceeding 35%. Rated full vacuum.

**Branding:** Continuous transfer label blue background. Example: Thermoid/HBD Industries, Inc. Transporter® Oilfield Vacuum Service 150 PSI WP Not for Refined Fuels Made In USA

**Lengths:** 100 ft. Maximum

**TRANSPORTER®—Type 120 Dry Cement**

Product Number	I.D. (In.)	Plies	Tube Thickness (In.)	W.P. (psi)	O.D. (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17774454002	4	2	1/8	50	4-7/16	1.5	\$19.548
17774456002	4	2	3/16	50	4-9/16	2.0	19.751
17774458002	4	2	1/4	50	4-45/64	2.6	20.295

**Tube:** Black, SBR/NR blend compound, resists abrasive action of cement. Static conductive.

**Reinforcement:** 2 plies of cord fabric.

**Cover:** Black, 1/16" SBR/EPDM. Excellent abrasion resistance.

**Service:** For unloading dry bulk cement from trailer to storage silo by means of air pressure created in trailer tank. Features collapsible construction.

**Branding:** Thermoid HBD Industries Tube Size Type 120 Dry Cement/Dry Material Made In USA

**Lengths:** 100 ft. Maximum

▲ = Make To Order (MTO). Minimum run 1,200 ft./size. Contact Salisbury facility

**WASHDOWN HOSE**

**SANI-WHITE™ WASHDOWN**

STRAIGHT END

Product Number	I.D. (In.)	Plies	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
21284460502	1/2	3	15/16	150	0.25	\$ 6.118
21284461502	3/4	3	1-5/32	125	0.33	7.553
21284462502▲	1	4	1-15/32	100	0.46	11.369

TAPERED END

Product Number	I.D. (In.)	Plies	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
21284465502▲	3/4	3	1-5/32	125	0.33	\$7.857

▲ = Make To Order (MTO). Minimum run 1,200 ft./size. Contact Salisbury.

**Tube:** SBR, heat-resistant rubber compounded to resist action of hot water and steam.

**Reinforcement:** Three or four plies of strong fabric.

**Cover:** White NBR/PVC, resistant to oil, grease, and cleaning compounds.

**Service:** For open end washdown service in food processing plants where service is not too severe. Resists saturated steam pressure of 40 psi (+287°F), in open end service. Available with straight or tapered end.

**Branding:** Thermoid HBD Industries Sani-White Washdown Made In USA

**Lengths:** Tapered end—50 ft. lengths. Will not cut tapered end hose.

**PAPER MILL HOSE**

**CASCADE PAPER MILL**

Product Number		I.D. (In.)	Spirals	Wt./Ft. (Lbs.)	Spirals	Wt./Ft. (Lbs.)	O.D. (In.)	W.P. (psi)	Price/Foot	
2 Spiral/ Ply	4 Spiral/ Ply								2 Spiral/ Ply	4 Spiral/ Ply
17828030502	17828001502	3/4	2	0.34	4	0.38	1-5/32	150	\$5.758	\$6.378
17828031502	17828002502	1	2	0.43	4	0.56	1-13/32	150	7.533	7.916
17828032502	17828000502	1-1/4	2	0.66	4	0.69	1-3/4	150	8.865	9.331
17828033502	17828003502▲	1-1/2	2	0.74	4	0.80	2	150	9.472	9.935

**Tube:** SBR, resistant to water absorption; 1/8" thick on 2-ply, 3/32" thick on 4-ply.

**Reinforcement:** Two or four plies of high strength polyester cord.

**Cover:** Gray SBR standard. Other colors available. Minimum 1,200 ft./run.

**Service:** Hot water (200°F) wash-up in paper and pulp mills and other processing mills.

**Branding:** Thermoid HBD Industries Cascade Paper Mill Washdown WP Made In USA

**Lengths:** 50 ft. tapered end; 50 to 100 ft. straight end.

**Ends:** Tapered, (one end only) and approximately 12 inches in length.

▲ = Make To Order (MTO)

**PAPER MILL—TYPE 1788—GRAY COVER**

Product Number	I.D. (In.)	Plies	O.D. (In.)	W.P. (psi)	Wt./Ft. (Lbs.)	Price/Foot
1 End Tapered						1 End Tapered
21284434502	3/4	3	1-5/16	150	0.35	\$ 9.472
21284435502	1	4	1-15/32	150	0.49	10.420
21284436502	1-1/4	4	1-3/4	150	0.64	11.794
21284437502▲	1-1/2	4	2	125	0.74	12.548

**Tube:** SBR, smooth, resistant to water absorption.

**Reinforcement:** Three to four plies of medium weight fabric. Provides maximum flexibility.

**Cover:** Gray SBR rubber, smooth, thick, soft and resilient. Resistant to the usual chemicals and acids, scuffing and abrasion.

▲ = Make To Order (MTO)

**Service:** For use in paper and pulp mills and other processing plants. Good for cold or hot (up to 200°F) water. Available with lightweight, flexible tapered end which reduces damage when accidentally dropped.

**Branding:** Thermoid HBD Industries Type 1788 Paper Mill Made In USA

**Lengths:** 50 ft.

**Note:** 1 inch and 1-1/4 inch also available in black, 1,200 ft. minimum run. (Contact Customer Service).

▲ = Make To Order (MTO). Minimum run 1,200 ft./size. Contact Salisbury facility.

**FIRE HOSE**

**ALARM® BOOSTER (THERMOCURE) — RED**

Product Number	I.D. (In.)	W.P. (psi)	Number of Spirals	O.D. (In.)	Approx. Lbs./Ft. Uncoupled	Price/Foot
22212482662	3/4	800	2	1-3/16	0.41	<b>\$6.893</b>
22214642662	1	800	2	1-1/2	0.51	<b>8.342</b>
00142524301	1-1/2	250	4	2	0.71	<b>9.776</b>
	3/4	Price Per Set Aluminum — MXF, \$138.652-Net Price				
	1	Price Per Set Aluminum — MXF, \$177.023-Net Price				

**3/4" and 1" Alarm® Booster Hose**

**Tube:** SBR/NBR blend

**Cover:** NBR/PVC

**Reinforcement:** Multi-Spiral w/High Tensile KEVLAR\* (\*DuPont registered trademark)

**Branding:** Thermoid Alarm Booster Size WP  
Made in USA

**Fire Engine Booster Hose Couplings**

Reattachable chrome plated aluminum NST, spanner hole coupling only.

**1-1/2" Alarm® Booster Hose**

**Tube and Cover:** EPDM

**Reinforcement:** 4 spiral polyester

**Branding:** Thermoid USCG Alarm Booster Hose  
250 PSI WP Made in USA (QTYR)

**FIRE EXTINGUISHER—UL92**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./C Ft.	Price/Foot
00134606305▲	3/8	11/16	250	2.25	14.0	<b>\$1.931</b>
00134608305▲	1/2	15/16	250	3.00	25.7	<b>2.170</b>

**Tube:** Black EPDM.

**Reinforcement:** Synthetic High Tensile Cord.

**Cover:** Black Perforated EPDM.

**Service:** Fire Extinguisher Service. Booster Hose Service. Used on portable and stationary extinguishers. Underwriters approved to UL 92.

**Lengths:** Reels. Cut lengths to order.

**Branding:** Ex. 3583 (Size) Fire Ext. and Booster Hose Issue No. 2051 U/L Listed Max. Working Pressure 250 PSIG - 54C (-65°F)

▲ = Make To Order (MTO)

▲ = Make To Order (MTO). Minimum run 25,000 ft./size.

**WATER DISCHARGE HOSE**

**TRANSPORTER® WATER DISCHARGE**

Product Number	I.D. (In.)	Plies	O.D. (In.)	W.P. (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17825015002▲	1-1/2	2	1-23/32	100	0.3	<b>\$ 5.673</b>
17825020002	2	2	2-7/32	100	0.4	<b>6.745</b>
17825030002	3	2	3-7/32	100	0.6	<b>9.674</b>
17825040002	4	2	4-7/32	100	0.9	<b>12.702</b>
17825060002▲	6	4	6-11/32	100	2.0	<b>28.656</b>

**Tube:** EPDM, resistant to water absorption.

**Reinforcement:** Synthetic cord.

**Cover:** Black, EPDM.

**Service:** Extremely lightweight, flexible, easy to handle. Ideal for irrigation and construction applications.

**Branding:** Thermoid HBD Industries Transporter Water Discharge Made In USA

**Lengths:** 100 ft. Maximum

▲ = Make To Order (MTO)

**WD—150 WATER DISCHARGE**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Approx. Wt. (Lbs.)	Price/Foot
17826010002▲	1	1-9/32	150	0.27	<b>\$ 6.869</b>
17826015002▲	1-1/2	1-25/32	150	0.38	<b>7.196</b>
17826020002	2	2-9/32	150	0.56	<b>7.472</b>
17826025002	2-1/2	2-51/64	150	0.70	<b>10.057</b>
17826030002	3	3-9/32	150	0.76	<b>12.685</b>
17826040002	4	4-5/16	150	1.13	<b>15.550</b>
17826060002▲	6	6-1/2	150	2.77	<b>24.934</b>

**Tube:** EPDM.

**Reinforcement:** Two heavy plies of polyester cord in sizes 1"- 4", four plies in 5" and 6".

**Service:** WD 150 is a heavy duty water discharge hose suitable for construction sites, work boats and mines where abrasion resistance and higher working pressures are required.

**Temperature Range:** -40°F to +180°F.

**Cover:** Black, EPDM.

**Branding:** None

**Lengths:** 100 ft. Maximum

▲ = Make To Order (MTO)

▲ = Make To Order (MTO). Minimum run 1,000 ft./size. Contact Salisbury facility.

**WATER SUCTION/DISCHARGE HOSE**
**PVC WATER DISCHARGE STANDARD DUTY BLUE**

Product Number	I.D. (In.)	Max. W.P. (psi)	Wt./Ft. (Lbs.)	Std. Package (Ft.)	Price/Foot
19021503002	1-1/2	75	0.15	300	\$1.681
19022003002	2	75	0.23	300	2.146
19023003002	3	50	0.37	300	3.246
19024003002	4	50	0.53	300	4.542
19026003002▲	6	40	1.10	300	7.206

▲ = Make To Order (MTO)

**Tube:** Black, PVC.

**Reinforcement:** Two spiral plies and one longitudinal ply of polyester fiber.

**Cover:** Blue, PVC.

**Service:** Economical, standard duty PVC water hose. Will not rot or mildew, resistant to oils and grease, rolls flat for easy storage. Can be used in open end discharge service for water, sewage, mine acid water, etc.

**Branding:** Thermoid/HBD Industries  
Standard PVC ID Made In USA

**Lengths:** 300 ft. Maximum

**Couplings:** Shank type, quick acting.

**BF-10 PVC WATER DISCHARGE—BLUE**

Product Number	I.D. (In.)	Max. W.P. (psi)	Wt./Ft. (Lbs.)	Std. Package (Ft.)	Price/Foot
19051003002▲	1	110	0.087	300	\$1.256
19051253002	1-1/4	80	0.116	300	1.390
19051503002	1-1/2	70	0.174	300	1.429
19052003002	2	65	0.224	300	1.759
19052503002▲	2-1/2	55	0.247	300	2.338
19053003002	3	55	0.313	300	2.746
19054003002	4	50	0.441	300	4.059
19056003002▲	6	35	0.725	300	6.610

▲ = Make To Order (MTO)

**Construction:** Co-extruded PVC, with polyester reinforcement.

**Service:** Lightweight and economical PVC water discharge hose for open end service in mining, construction, agricultural and industrial applications.

**Branding:** Thermoid/HBD Industries, Inc.  
BF-10 PVC Water Discharge Blue ID  
Made In USA

**Lengths:** 300 ft. Maximum

**Temperature Range:** -5°F to 130°F.

**Recommended Couplings:** Common long or short shank and quick acting with bands or clamps.

**TRANSPORTER® WATER SUCTION & DISCHARGE**

Product Number	I.D. (In.)	Plies	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Approx. Wt./Ft. (Lbs.)	Price/Foot
17834010002▲	1	2	1-7/16	200	2.5	0.50	\$ 6.740
17834012002▲	1-1/4	2	1-11/16	200	3.0	0.60	7.249
17834015002	1-1/2	2	1-15/16	200	4.0	0.70	8.329
17834020002	2	2	2-7/16	150	6.0	0.90	9.391
17834025002	2-1/2	2	3	150	8.5	1.30	11.632
17834030002	3	2	3-9/16	150	11.0	1.80	13.913
17834040002	4	2	4-5/8	150	14.0	2.60	19.022
17830600002	6	2	6-43/64	100	30.0	4.10	34.108

▲ = Make To Order (MTO)

**Tube:** EPDM, smooth, tough non-porous.

**Reinforcement:** Synthetic cord with spiral helix(es) wire inserted.

**Cover:** Black, abrasion resistant EPDM

**Temperature Range:** -40°F to +180°F.

**Service:** Lightweight and flexible, designed for contractors and agricultural uses.  
Rated full vacuum.

**Branding:** Thermoid HBD Industries Transporter  
Water Suction & Discharge Hose WP  
Made In USA

**Lengths:** 100 ft. Maximum

▲ = Make To Order (MTO). Minimum run 1,000 ft./size.  
Contact Salisbury facility.

**MULTI-PURPOSE PVC HOSE**
**RADIAL FLEX® EXTRA HEAVY DUTY GREEN**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)		Wt./Ft. (Lbs.)	Min. Bend (In.)	Feet Per Coil**	Price/Foot
			70°F	150°F				
19011501002▲	1-1/2	1.89	150	65	.54	7.0	100	\$ 5.894
19012001002	2	2.39	130	55	.81	8.0	100	9.065
19012501002▲	2-1/2	2.94	106	50	1.13	10.0	100	9.914
19013001002	3	3.45	100	45	1.35	12.0	100	14.281
19013501002▲	3-1/2	4.09	75	35	1.75	15.0	100	18.051
19014001002▲	4	4.60	75	30	2.22	17.0	100	20.135
19015001002▲	5	5.65	75	20	2.83	24.0	40	36.467

▲ = Make To Order (MTO)

**Service:** Ideal for most industrial, chemical transfer, construction, farm and mining applications. Good for conveying liquids and slurries. Extremely tough. Abrasion resistant. All sizes take full vacuum without collapsing. Non-fading green color.

Radial Flex Green Hose is recommended for use between 0-150°F. Good for full vacuum within these limits. Outside these limits rubber hose is recommended. Rated full vacuum.

**Lengths:** Sold in full coils only.

**RADIAL FLEX® STANDARD DUTY GREEN**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)		Wt./Ft. (Lbs.)	Min. Bend (In.)	Feet Per Coil	Price/Foot
			70°F	150°F				
19121001002	1	1.13	100	25	0.25	3.0	100	\$ 2.649
19121501002▲	1-1/2	1.78	90	25	0.39	4.0	100	3.439
19122001002	2	2.29	90	25	0.57	5.0	100	4.582
19122501002▲	2-1/2	2.90	100	25	1.00	6.0	100	6.339
19123001002	3	3.42	90	20	1.16	7.0	100	8.504
19124001002	4	4.52	75	20	1.82	10.0	100	14.417

**Service:** Standard duty, multi-purpose PVC hose for industrial, chemical, construction, farm and mining applications.

Radial Flex hose is recommended for use between 0-150°F. Outside these limits rubber hose is recommended. Rated full vacuum.

**Lengths:** Sold in full coils only.

**RADIAL FLEX® STANDARD DUTY CORRUGATED GREEN**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Wt./Ft. (Lbs.)	Min. Bend (In.)	Feet Per Coil	Price/Foot
			70°F				
19151501002	1-1/2	1.73	55	0.31	4.0	100	\$ 2.938
19152001002▲	2	2.28	50	0.48	5.0	100	3.730
19152501002▲	2-1/2	2.81	45	0.67	6.0	100	5.371
19153001002▲	3	3.30	40	0.84	7.0	100	7.206
19154001002▲	4	4.46	35	1.63	10.0	100	12.195

**Service:** Lightest and most flexible Radial Flex Hose. Designed for water suction, discharge, blowing, and ducting. Ideal for ventilation and dust removal. Rated full vacuum.

**Lengths:** Sold in full coils only.

▲ = Make To Order (MTO)

▲ = Make To Order (MTO). Minimum run 1,000 ft./size. Contact Salisbury facility.

**MULTI-PURPOSE PVC HOSE**
**RADIAL FLEX® CONTRACTORS**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)		Wt./Ft. (Lbs.)	Min. Bend (In.)	Feet Per Coil	Price/Foot
			70°F	150°F				
19061501002▲	1-1/2	1-3/4	90	25	0.39	5.0	100	\$2.204
19062001002	2	2-5/16	90	25	0.57	7.0	100	3.748
19063001002	3	3-13/32	75	25	0.94	10.0	100	6.339
19064001002▲	4	4-15/32	60	25	1.48	14.0	100	9.819

**Service:** Water, light chemicals in mining, construction and forming. Rated full vacuum. Radial Flex Hose is recommended for use between 0-150°F. Outside these limits rubber hose is recommended.

**Color:** Green.

**Lengths:** Sold in full coils only.

▲ = Make To Order (MTO)

**RADIAL FLEX® STANDARD DUTY CLEAR**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)		Wt./Ft. (Lbs.)	Min. Bend (In.)	Feet Per Coil	Price/Foot
			70°F					
19141501002	1-1/2	1.80	90		0.39	4.0	100	\$ 3.439
19142001002	2	2.34	90		0.57	5.0	100	4.581
19142501002▲	2-1/2	2.91	100		1.00	6.0	100	6.339
19143001002	3	3.46	90		1.16	7.0	100	8.503
19144001002▲	4	4.50	75		1.82	10.0	100	14.417

**Service:** Designed for industrial applications where maximum material visibility is needed. Clear PVC wall with white helix(es) allows detection of blockage or other problems. Rated full vacuum.

**Lengths:** Sold in full coils only.

▲ = Make To Order (MTO)

**RADIAL FLEX® CLEAR FOOD PROCESSING**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)		Wt./Ft. (Lbs.)	Min. Bend (In.)	Feet Per Coil	Price/Foot
			72°F					
19131000002	1	1.24	86		0.26	1.9	100	\$ 3.266
19131250002▲	1-1/4	1.54	79		0.37	2.7	100	3.864
19131500002▲	1-1/2	1.82	72		0.44	2.8	100	4.037
19132000002▲	2	2.39	72		0.74	3.9	100	6.107
19132500002▲	2-1/2	2.93	72		1.01	4.7	100	8.929
19133000002▲	3	3.43	62		1.21	6.1	100	11.614
19134000002▲	4	4.53	55		2.01	9.1	100	21.470

**Service:** Manufactured from compounds compliant with FDA and 3-A non-toxic specifications. Satisfactory for transfer of any liquids or dry material for human consumption. Recommended for fluid-handling needs in the bottling, canning, dairy and related food processing areas. Provides excellent service in agricultural irrigation applications. Smooth inner and outer surface for easy clean up. Flexible non-marking clear PVC cover. Clear rigid PVC Helix(es). Rated full vacuum.

▲ = Make To Order (MTO). Minimum run 1,000 ft./size. Contact Salisbury facility.



**GENERAL PURPOSE COOLANT AND DISCHARGE HOSE**

**GENERAL PURPOSE COOLANT AND DISCHARGE 100 AND 100A**

3 Ft. Product Number	10 Ft. Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	3 Ft. Std. Case Each	3 Ft. Price/Each	10 Ft. Std. Case Each	10 Ft. Price/Each
16010006203▲	16010006210▲	5/8	1	56	225	0.34	10	\$ 25.817	6	\$ 86.056
16010007503	16010007510	3/4	1-1/8	56	225	0.37	10	26.887	6	89.611
16010008703	16010008710	7/8	1-1/4	56	225	0.41	10	27.600	6	91.988
16010010003	16010010010	1	1-3/8	53	210	0.45	10	28.550	5	95.169
16010011203	16010011210	1-1/8	1-1/2	53	210	0.50	10	29.742	5	99.139
16010012503	16010012510	1-1/4	1-5/8	51	205	0.54	10	30.454	5	101.514
16010013103▲	16010013110▲	1-5/16	1-11/16	51	205	0.56	10	31.128	5	103.765
16010013703	16010013710	1-3/8	1-3/4	51	205	0.58	10	31.765	5	105.884
16010015003	16010015010	1-1/2	1-7/8	49	195	0.63	10	32.478	2	108.264
16010016203	16010016210	1-5/8	2	49	195	0.67	10	33.666	2	112.223
16010017503	16010017510	1-3/4	2-1/8	48	190	0.71	10	34.499	2	114.996
16010018703	16010018710	1-7/8	2-1/4	45	180	0.76	10	35.453	2	118.175
16010020003	16010020010	2	2-3/8	45	180	0.80	10	38.622	2	128.746
16010021203▲	16010021210▲	2-1/8	2-1/2	44	175	0.84	6	41.737	2	139.122
16010022503	16010022510	2-1/4	2-5/8	43	170	0.89	6	42.302	2	141.042
16010023703	16010023710	2-3/8	2-3/4	39	155	0.93	6	48.618	2	162.062
16010025003	16010025010	2-1/2	2-7/8	39	155	0.99	6	51.869	2	172.894
16010026203▲	16010026210▲	2-5/8	3	38	150	1.02	6	52.799	2	176.001
16010027503	16010027510	2-3/4	3-1/8	38	150	1.05	6	55.396	2	184.658
16010028703	16010028710	2-7/8	3-1/4	35	140	1.11	6	57.639	2	192.131
16010030003	16010030010	3	3-3/8	33	130	1.15	4	63.230	1	210.766
16010031203▲	16010031210▲	3-1/8	3-1/2	33	130	1.20	4	64.775	1	215.921
16010032503▲	16010032510▲	3-1/4	3-5/8	33	130	1.24	4	69.300	1	230.073
16010035003	16010035010	3-1/2	3-7/8	28	115	1.33	4	73.303	1	244.340
16010037503▲	16010037510▲	3-3/4	4-1/8	25	100	1.43	4	83.533	1	278.444
16010040003	16010040010	4	4-3/8	19	75	1.51	4	87.181	1	288.112
16010042503▲	16010042510▲	4-1/4	4-5/8	18	70	1.60	4	94.697	1	290.605
16010045003	16010045010	4-1/2	4-7/8	16	65	1.69	4	102.192	1	340.637
16010047503▲	16010047510▲	4-3/4	5-1/8	16	65	1.78	4	112.245	1	374.148
16010050003▲	16010050010▲	5	5-3/8	15	60	1.87	2	122.275	1	407.588
16010055003▲	16010055010▲	5-1/2	5-7/8	14	55	2.04	2	144.207	1	480.689
16010060003▲	16010060010▲	6	6-3/8	12	50	2.22	2	148.708	1	515.017

**Tube:** NBR/SBR, blend.

**Reinforcement:** 2 Ply Polyester Cord.

**Cover:** CR/NBR, blend.

**Temperature:** 0° to +212°F.

**Length:** 3 & 10 ft. (60 ft. also available, contact Customer Service).

**Branding:** Green Layline Thermoid Coolant I.D. Foot & Inch Marks Made In USA

**Cut Lengths:** Contact Customer Service.

**Non-Standard Cases:** Contact Customer Service.

**Note:** Additional sizes may be available, contact Customer Service. 5% Cutting Charge.

▲ = Make To Order (MTO) ITEM: Minimum run requirements. — 360 ft.

**GENERAL PURPOSE COOLANT AND DISCHARGE HOSE**
**HEAVY DUTY COOLANT & DISCHARGE 101 AND 101B**

3 Ft. Product Number	12 Ft. Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	3 Ft. Std. Case Each	3 Ft. Price/Each	12 Ft. Std. Case Each	12 Ft. Price/Each
16010106203▲	16010106212▲	5/8	1-1/8	56	225	0.46	10	\$ 30.396	6	\$117.258
16010107503▲	16010107512▲	3/4	1-1/4	56	225	0.50	10	31.575	6	126.361
16010108703▲	16010108712▲	7/8	1-3/8	56	225	0.54	10	33.984	6	133.718
16010110003▲	16010110012▲	1	1-1/2	88	350	0.59	10	34.382	6	138.954
16010111203▲	16010111212▲	1-1/8	1-5/8	88	350	0.65	10	37.552	6	146.566
16010112503	16010112512	1-1/4	1-3/4	88	350	0.70	10	38.764	6	149.480
16010113103▲	16010113112▲	1-5/16	1-13/16	88	350	0.73	10	39.595	6	152.793
16010113703▲	16010113712▲	1-3/8	1-7/8	88	350	0.75	10	39.991	5	155.865
16010115003	16010115012	1-1/2	2	81	325	0.81	10	41.400	2	159.971
16010116203	16010116212	1-5/8	2-1/8	81	325	0.86	10	41.717	2	163.974
16010117503	16010117512	1-3/4	2-1/4	81	325	0.91	10	46.215	2	179.341
16010118703▲	16010118712▲	1-7/8	2-3/8	75	300	0.97	10	47.250	2	184.616
16010120003	16010120012	2	2-1/2	75	300	1.02	10	47.607	1	186.817
16010121203▲	16010121212▲	2-1/8	2-5/8	75	300	1.08	10	49.985	1	195.361
16010122503▲	16010122512▲	2-1/4	2-3/4	70	280	1.13	10	52.604	1	204.840
16010123703	16010123712	2-3/8	2-7/8	70	280	1.19	6	59.284	1	224.824
16010125003	16010125012	2-1/2	3	68	270	1.24	6	62.556	1	239.836
16010126203▲	16010126212▲	2-5/8	3-1/8	62	250	1.30	6	65.907	1	262.340
16010127503▲	16010127512▲	2-3/4	3-1/4	62	250	1.35	6	72.153	1	286.648
16010128703▲	16010128712▲	2-7/8	3-3/8	62	250	1.41	6	75.861	1	301.003
16010130003	16010130012	3	3-1/2	58	230	1.46	4	82.819	1	329.755
16010131203▲	16010131212▲	3-1/8	3-5/8	55	220	1.51	4	86.748	1	345.478
16010132503▲	16010132512▲	3-1/4	3-3/4	53	210	1.57	4	89.937	1	357.671
16010135003	16010135012	3-1/2	4	50	200	1.68	4	99.713	1	395.660
16010137503▲	16010137512▲	3-3/4	4-1/4	50	200	1.80	4	114.979	1	457.047
16010140003▲	16010140012▲	4	4-1/2	45	180	1.90	4	121.266	1	477.966
16010142503▲	16010142512▲	4-1/4	4-3/4	43	170	2.01	4	126.898	1	483.200
16010145003▲	16010145012▲	4-1/2	5	41	165	2.12	4	132.547	1	517.642
16010147503▲	16010147512▲	4-3/4	5-1/4	41	165	2.22	4	156.917	1	612.297
16010150003▲	16010150012▲	5	5-1/2	36	145	2.31	1	180.632	1	704.934
16010155003▲	16010155012▲	5-1/2	6	34	135	2.55	1	198.415	1	776.015
16010160003▲	16010160012▲	6	6-1/2	30	120	2.77	1	216.320	1	843.983

**Tube:** NBR/SBR, blend.

**Reinforcement:** 3 Ply Polyester Cord.

**Cover:** CR/NBR, blend.

**Temperature:** 0° to +212°F.

**Length:** 3 & 12 ft.

**Branding:** Green Layline Thermoid Coolant I.D.  
Foot & Inch Marks Made In USA

**Cut Lengths:** Contact customer service.

**Non-Standard Cases:** Contact customer service.

5% Cutting Charge.

**▲ = Make To Order (MTO) ITEM:** Minimum run requirements.  
— 360 ft.

**FUEL FILL HOSE**

**1158 SOFTWALL AROMATIC FUEL SAE 30R2 TYPE 2**

6 Ft. Product Number	12 Ft. Product Number	60 Ft. Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	6 Ft. Price/Each	12 Ft. Price/Each	60 Ft. Foot/Price
16115805006▲	16115805012▲	16115805025▲	1/2	1	175	700	0.36	\$ 50.006	\$ 98.189	\$ —
16115806206▲	16115806212▲	16115806225▲	5/8	1-1/8	125	500	0.41	51.967	101.756	—
16115807506▲	16115807512▲	16115807560▲	3/4	1-1/4	125	500	0.46	56.468	109.289	8.804
16115808706	16115808712	16115808760	7/8	1-3/8	125	500	0.52	59.324	115.001	9.281
16115810006	16115810012	16115810060	1	1-1/2	125	500	0.59	60.754	117.856	9.518
16115811206▲	16115811212▲	16115811260▲	1-1/8	1-5/8	100	400	0.62	63.369	123.258	9.954
16115812506	16115812512	16115812560	1-1/4	1-3/4	100	400	0.68	65.511	127.372	10.413
16115813706▲	16115813712▲	16115813760▲	1-3/8	1-7/8	100	400	0.73	66.940	130.228	10.759
16115815006	16115815012	16115815060	1-1/2	2	100	400	0.79	68.842	134.036	11.191
16115816206▲	16115816212	16115816260	1-5/8	2-1/8	62	250	0.84	70.745	140.624	11.408
16115817506	16115817512	16115817560	1-3/4	2-1/4	62	250	0.90	73.377	147.312	12.191
16115818706	16115818712	16115818760	1-7/8	2-3/8	62	250	0.95	75.028	149.336	12.492
16115820006	16115820012	16115820060	2	2-1/2	62	250	1.00	78.471	157.726	13.066
16115821206▲	16115821212▲	16115821260▲	2-1/8	2-5/8	62	250	1.06	85.496	167.345	13.641
16115822506	16115822512	16115822560	2-1/4	2-3/4	50	200	1.11	88.591	173.533	14.158
16115823706	16115823712	16115823760	2-3/8	2-7/8	50	200	1.17	92.158	180.669	14.749
16115825006	16115825012	16115825060	2-1/2	3	50	200	1.22	125.946	248.240	20.383
16115826206▲	16115826212▲	16115826260▲	2-5/8	3-1/8	50	200	1.27	130.941	258.234	21.384
16115827506▲	16115827512▲	16115827560▲	2-3/4	3-1/4	50	200	1.33	135.461	267.278	21.971
16115828706	16115828712	16115828760	2-7/8	3-3/8	50	200	1.39	140.460	277.271	22.802
16115830006	16115830012	16115830060	3	3-1/2	50	200	1.44	144.505	285.361	23.477
16115831206▲	16115831212▲	16115831260▲	3-1/8	3-5/8	37	150	1.49	148.548	293.450	24.152
16115832506▲	16115832512▲	16115832560▲	3-1/4	3-3/4	37	150	1.55	152.832	302.014	24.864
16115835006	16115835012	16115835060	3-1/2	4	37	150	1.66	160.684	317.717	26.170
16115837506▲	16115837512▲	16115837560▲	3-3/4	4-1/4	37	150	1.76	174.720	345.795	28.513
16115840006▲	16115840012▲	16115840060▲	4	4-1/2	37	150	1.87	190.664	377.675	31.170
16115842506▲	16115842512▲	16115842560▲	4-1/4	4-3/4	25	100	1.98	198.752	393.856	32.517
16115845006▲	16115845012▲	16115845060▲	4-1/2	5	25	100	2.09	209.223	414.793	34.658
16115850006▲	16115850012▲	16115850060▲	5	5-1/2	12	50	2.31	239.201	474.753	39.261
16115855006▲	16115855012▲	16115855060▲	5-1/2	6	12	50	2.52	283.068	550.891	45.603
16115860006▲	16115860012▲	16115860060▲	6	6-1/2	10	40	2.74	336.515	669.382	55.477

**Tube:** NBR.

**Reinforcement:** Tire Cord.

**Cover:** CR.

**Temperature:** -40° to +212°F.

**Length:** 6, 12, 60 ft. (Ex. 1/2, 5/8 are 25 ft. Max.)

**Branding:** Red Layline Thermoid Fuel Fill Size, Made In USA, Caution Statement.

**Cut Lengths:** Contact Customer Service. 5% Cutting Charge.

**Note:** Not produced with static wire.

▲ = **Make To Order (MTO) ITEM:** Minimum run requirements. — 360 ft.

**7318 SOFT WALL FUEL FILL SAE 30R7**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	Price/Foot
16731815060▲	1-1/2	1-7/8	35	175	0.62	\$12.530
16731817560▲	1-3/4	2-5/32	35	175	0.71	13.364
16731818760▲	1-7/8	2-1/4	35	175	0.76	13.838
16731820060▲	2	2-25/64	35	175	0.80	14.316
16731822560▲	2-1/4	2-11/16	35	175	0.93	18.581
16731823760▲	2-3/8	2-51/64	35	175	0.98	19.115

**Tube:** NBR.

**Reinforcement:** Nylon screen.

**Cover:** CR.

**Temperature:** -29°F to +257°F.

**Length:** 60 ft.

**Branding:** Broken Yellow Layline.

**Specification:** Similar to SAE 30R7.

**Cut Lengths:** Contact Customer Service. 5% Cutting Charge.

▲ = **Make To Order (MTO) ITEM:** Minimum run requirements — 360 ft.

**THERMOID SPECIAL PURPOSE &  
COOLANT DISCHARGE HOSE PRODUCTS**
**ENGINE COOLANT HOSE**
**2012 STANDARD WALL 3/16" COOLANT HOSE SAE 20R1**

12 Ft. Product Number	60 Ft. Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	12 Ft. Price/Each	60 Ft. Price/Foot
16201205012▲	16201205025▲	1/2	7/8	106	425	0.29	\$ 100.943	\$ 8.253
16201206212▲	16201206225▲	5/8	1	94	375	0.31	103.449	8.460
16201207512▲	16201207560▲	3/4	1-1/8	81	325	0.36	107.129	8.607
16201208712	16201208760	7/8	1-1/4	81	325	0.39	109.885	8.838
16201210012▲	16201210060▲	1	1-3/8	75	300	0.43	113.643	9.150
16201211212▲	16201211260▲	1-1/8	1-1/2	75	300	0.48	117.405	9.462
16201212512	16201212560	1-1/4	1-5/8	69	275	0.52	120.666	9.737
16201213712▲	16201213760▲	1-3/8	1-3/4	69	275	0.55	123.422	9.965
16201215012	16201215060	1-1/2	1-7/8	69	275	0.58	126.681	10.236
16201216212▲	16201216260▲	1-5/8	2-1/16	69	275	0.63	129.939	10.509
16201217512	16201217560	1-3/4	2-1/4	69	275	0.71	133.697	10.823
16201218712▲	16201218760▲	1-7/8	2-1/4	50	200	0.72	137.462	11.135
16201220012	16201220060	2	2-3/8	50	200	0.77	141.220	11.450
16201221212▲	16201221260▲	2-1/8	2-1/2	47	175	0.82	143.979	11.678
16201222512	16201222560	2-1/4	2-5/8	44	175	0.86	148.089	15.019
16201223712▲	16201223760▲	2-3/8	2-3/4	44	175	0.91	187.347	15.291
16201225012	16201225060	2-1/2	2-7/8	38	150	0.95	191.360	15.627
16201227512	16201227560	2-3/4	3-1/8	31	125	1.04	198.376	16.215
16201230012▲	16201230060▲	3	3-3/8	25	87	1.12	204.391	16.711
16201231212▲	16201231260▲	3-1/8	3-1/2	18	75	1.17	208.740	17.026
16201232512▲	16201232560▲	3-1/4	3-5/8	18	75	1.21	211.916	17.339
16201235012▲	16201235060▲	3-1/2	3-7/8	19	75	1.29	218.934	17.922
16201237512▲	16201237560▲	3-3/4	4-1/8	13	62	1.38	224.450	18.384
16201240012▲	16201240060▲	4	4-3/8	13	50	1.47	230.466	18.884
16201242512▲	16201242560▲	4-1/4	4-5/8	13	50	1.55	237.986	19.513
16201245012▲	16201245060▲	4-1/2	4-7/8	13	50	1.64	243.499	19.971
16201250012▲	16201250060▲	5	5-3/8	13	50	1.82	257.538	21.143
16201255012▲	16201255060▲	5-1/2	5-7/8	13	50	1.99	270.657	22.272
16201260012▲	16201260060▲	6	6-3/8	13	50	2.16	286.118	23.523

**Tube:** Class B.

**Reinforcement:** Tire Cord.

**Cover:** Class C.

**Temperature:** -65°F to +212°F.

**Length:** 12 & 60 ft. (Ex. 1/2, 5/8 are 25 ft. Max.)

**Branding:** None

**Cut Lengths:** Contact Customer Service.

5% Cutting Charge.

**▲ = Make To Order (MTO) ITEM:** Minimum run requirements.  
 — 360 ft.

**ENGINE COOLANT HOSE**

**2015 HEAVY WALL 1/4" COOLANT HOSE SAE 20R1**

12 Ft. Product Number	60 Ft. Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	12 Ft. Price/Each	60 Ft. Price/Foot
16201505012▲	16201505025▲	1/2	1	125	500	0.38	\$ 102.697	\$ 8.399
16201506212▲	16201506225▲	5/8	1-1/8	125	500	0.44	105.205	8.608
16201507512▲	16201507560▲	3/4	1-1/4	125	500	0.49	110.845	8.921
16201508712▲	16201508760▲	7/8	1-3/8	125	500	0.56	114.146	9.191
16201510012▲	16201510060▲	1	1-1/2	125	500	0.61	116.907	9.420
16201511212▲	16201511260▲	1-1/8	1-5/8	125	500	0.67	121.166	9.777
16201512512▲	16201512560▲	1-1/4	1-3/4	125	500	0.72	124.925	10.089
16201513712▲	16201513760▲	1-3/8	1-7/8	112	450	0.77	128.688	10.406
16201515012▲	16201515060▲	1-1/2	2	113	450	0.85	132.696	10.737
16201516212▲	16201516260▲	1-5/8	2-1/8	106	425	0.91	135.957	11.010
16201517512▲	16201517560▲	1-3/4	2-1/4	100	400	0.97	139.216	11.282
16201518712▲	16201518760▲	1-7/8	2-3/8	94	375	1.03	142.473	11.668
16201520012▲	16201520060▲	2	2-1/2	88	350	1.09	146.234	12.102
16201521212▲	16201521260▲	2-1/8	2-5/8	87	350	1.14	150.493	12.221
16201522512▲	16201522560▲	2-1/4	2-3/4	88	350	1.20	191.859	15.670
16201523712▲	16201523760▲	2-3/8	2-7/8	75	300	1.26	196.121	16.021
16201525012▲	16201525060▲	2-1/2	3	75	300	1.32	199.882	16.337
16201526212▲	16201526260▲	2-5/8	3-1/8	62	250	1.38	202.638	16.568
16201527512▲	16201527560▲	2-3/4	3-1/4	63	250	1.44	203.976	16.839
16201528712▲	16201528760▲	2-7/8	3-3/8	62	250	1.50	209.656	17.153
16201530012▲	16201530060▲	3	3-1/2	63	250	1.56	213.418	17.465
16201531212▲	16201531260▲	3-1/8	3-5/8	50	200	1.61	217.931	17.843
16201532512▲	16201532560▲	3-1/4	3-3/4	50	200	1.67	221.692	18.155
16201535012▲	16201535060▲	3-1/2	4	50	200	1.79	227.207	18.612
16201537512▲	16201537560▲	3-3/4	4-1/4	38	150	1.90	234.725	19.239
16201540012▲	16201540060▲	4	4-1/2	38	150	2.02	244.501	20.057
16201542512▲	16201542560▲	4-1/4	4-3/4	37	150	2.13	252.024	20.681
16201545012▲	16201545060▲	4-1/2	5	37	150	2.25	258.041	21.182
16201550012▲	16201550060▲	5	5-1/2	25	100	2.48	272.060	22.354
16201555012▲	16201555060▲	5-1/2	6	25	100	2.71	286.368	23.545
16201560012▲	16201560060▲	6	6-1/2	25	100	2.95	301.410	24.798

**Tube:** Class B.

**Reinforcement:** Tire Cord.

**Cover:** Class C.

**Temperature:** -65°F to +212°F.

**Length:** 12 & 60 ft. (Ex. 1/2, 5/8 are 25 ft. Max.)

**Branding:** None

**Cut Lengths:** Contact Customer Service.

5% Cutting Charge.

▲ = **Make To Order (MTO) ITEM:** Minimum run requirements.

— 360 ft.

**THERMOID SPECIAL PURPOSE &  
COOLANT DISCHARGE HOSE PRODUCTS**
**WET EXHAUST HOSE**
**2400 THERMOID WET EXHAUST SAE J2006**

12 Ft. Product Number	60 Ft. Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Plies	Burst psi	Approx. Wt./Ft. (Lbs.)	Std. Case	12 Ft. Price/Each	60 Ft. Price/Foot
16240007512▲	16240007560▲	3/4	1.25	150	2	600	0.51	2	\$ 102.152	\$ 8.210
16240008712▲	16240008760▲	7/8	1.37	150	2	600	0.58	2	106.909	8.605
16240010012▲	16240010060▲	1	1.50	150	2	600	0.60	2	108.813	8.764
16240010612▲	16240010660▲	1-1/16	1.56	150	2	600	0.65	2	110.719	8.825
16240011212▲	16240011260▲	1-1/8	1.62	150	2	600	0.71	2	112.620	9.080
16240012512	16240012560	1-1/4	1.75	150	2	600	0.74	2	115.952	9.359
16240013112▲	16240013160▲	1-5/16	1.81	150	2	600	0.77	2	117.381	9.478
16240013712	16240013760	1-3/8	2.08	150	2	600	0.82	2	118.809	9.694
16240015012	16240015060	1-1/2	2.20	150	2	600	0.88	2	123.090	10.053
16240016212	16240016260	1-5/8	2.33	150	2	600	0.93	2	124.995	10.314
16240017512▲	16240017560▲	1-3/4	2.45	150	2	600	0.94	2	129.608	10.703
16240018712	16240018760	1-7/8	2.57	150	2	600	1.05	2	133.559	11.151
16240020012	16240020060	2	2.70	100	2	400	1.11	2	138.171	11.534
16240021212▲	16240021260▲	2-1/8	2.82	100	2	400	1.16	1	142.958	13.297
16240022512▲	16240022560▲	2-1/4	2.95	100	2	400	1.22	1	175.911	14.355
16240023712	16240023760	2-3/8	3.07	100	2	400	1.28	1	178.765	14.592
16240025012	16240025060	2-1/2	3.20	100	2	400	1.33	1	183.046	14.949
16240026212▲	16240026260▲	2-5/8	3.33	100	2	400	1.39	1	191.138	15.625
16240027512▲	16240027560▲	2-3/4	3.43	100	2	400	1.44	1	201.131	16.457
16240028712▲	16240028760▲	2-7/8	3.57	100	2	400	1.50	1	211.123	17.290
16240030012	16240030060	3	3.70	100	2	400	1.56	1	225.402	18.479
16240032512▲	16240032560▲	3-1/4	3.95	100	2	400	1.62	1	235.870	19.352
16240035012	16240035060	3-1/2	4.20	100	2	400	1.73	1	241.579	19.828
16240037512▲	16240037560▲	3-3/4	4.45	100	2	400	1.84	1	265.372	21.811
16240040012	16240040060	4	4.70	100	2	400	1.96	1	289.166	23.792
16240045012	16240045060	4-1/2	5.20	100	2	400	2.18	1	407.658	33.666
16240050012▲	16240050060▲	5	5.70	100	2	400	2.41	1	438.112	36.205
16240055012▲	16240055060▲	5-1/2	6.20	100	2	400	2.63	1	487.601	40.331
16240055612▲	16240055660▲	5-9/16	6.26	100	2	400	2.66	1	498.231	41.519
16240060012▲	16240060060▲	6	6.76	100	2	400	2.86	1	528.685	44.058
16240066212▲	—	6-5/8	7.37	100	4	400	4.40	1	710.941	—
16240070012▲	—	7	7.75	100	4	400	4.54	1	777.085	—
16240080012▲	—	8	8.75	85	4	340	5.25	1	1,034.054	—
16240086212▲	—	8-5/8	9.37	85	4	340	5.64	1	1,132.078	—
16240001012▲	—	10	10.75	75	4	300	6.49	1	1,387.143	—
16240010712▲	—	10-3/4	11.50	70	4	280	7.05	1	1,498.732	—
16240012012▲	—	12	12.75	60	4	240	7.83	1	1,725.957	—
16240012712▲	—	12-3/4	13.50	50	4	200	8.26	1	1,862.047	—

**Tube:** NBR/SBR, coolant and heat resistant.

**Reinforcement:** Tire Cord.

**Cover:** CR/NBR, heat and ozone resistant.

**Temperature:** 0° to +212°F.

**Length:** 12 & 60 ft.

**Branding:** Blue Layline Wet Exhaust, SAE J2006R1, Date

**Specification:** SAE J2006.

**Note:** Wet Exhaust is not designed for vacuum service.

**Cut Lengths:** Contact Customer Service.

Standard Case. 5% Cutting Charge.

**▲ = Make To Order (MTO) ITEM:** Minimum run requirements. — 360 ft.

**HEAVY DUTY WET EXHAUST HOSE**

**2428 MARINER PREMIUM WET EXHAUST HOSE SAE J2006**

12 Ft. Product Number	60 Ft. Product Number	I.D. (In.)	O.D. (In.)	Plies	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	Std. Case	12 Ft. Price/Each	60 Ft. Price/Foot
16242807512▲	16242807560▲	3/4	1-3/8	2	200	800	0.61	2	\$ 112.620	\$ 9.080
16242808712▲	16242808760▲	7/8	1-1/2	2	200	800	0.68	2	115.477	9.319
16242810012▲	16242810060▲	1	1-5/8	2	200	800	0.75	2	119.285	9.634
16242810612▲	16242810660▲	1-1/16	1-11/16	2	200	800	0.78	2	129.192	10.430
16242811212▲	16242811260▲	1-1/8	1-3/4	2	200	800	0.82	2	135.939	11.026
16242812512▲	16242812560▲	1-1/4	1-7/8	2	200	800	0.89	2	144.505	11.737
16242813112▲	16242813160▲	1-5/16	1-15/16	2	200	800	0.93	2	152.118	12.371
16242813712▲	16242813760▲	1-3/8	2	2	200	800	0.95	2	159.732	13.008
16242815012▲	16242815060▲	1-1/2	2-1/8	2	200	800	1.02	2	173.533	14.158
16242816212▲	16242816260▲	1-5/8	2-1/4	2	200	800	1.05	2	178.637	15.268
16242817512▲	16242817560▲	1-3/4	2-3/8	2	200	800	1.12	2	203.512	16.658
16242818712▲	16242818760▲	1-7/8	2-1/2	2	200	800	1.19	2	215.883	17.687
16242820012▲	16242820060▲	2	2-5/8	2	200	800	1.25	2	227.780	18.679
16242821212▲	16242821260▲	2-1/8	2-3/4	2	200	800	1.32	1	237.774	19.509
16242822512▲	16242822560▲	2-1/4	2-7/8	4	200	800	1.59	1	243.813	20.265
16242823712▲	16242823760▲	2-3/8	3	4	175	700	1.67	1	254.905	20.939
16242825012▲	16242825060▲	2-1/2	3-1/4	4	175	700	1.73	1	269.182	22.127
16242826212▲	16242826260▲	2-5/8	3-3/8	4	175	700	1.81	1	283.933	23.356
16242827512▲	16242827560▲	2-3/4	3-1/2	4	175	700	1.88	1	314.863	25.935
16242828712▲	16242828760▲	2-7/8	3-5/8	4	175	700	1.95	1	340.084	28.038
16242830012▲	16242830060▲	3	3-3/4	4	150	600	2.03	1	361.498	29.819
16242831212▲	16242831260▲	3-1/8	3-7/8	4	150	600	2.10	1	370.538	30.576
16242832512▲	16242832560▲	3-1/4	4	4	150	600	2.18	1	380.057	31.367
16242835012▲	16242835060▲	3-1/2	4-1/4	4	150	600	2.32	1	430.498	35.570
16242837512▲	16242837560▲	3-3/4	4-1/2	4	150	600	2.47	1	472.849	39.102
16242840012▲	16242840060▲	4	4-3/4	4	150	600	2.62	1	538.520	44.573
16242845012▲	16242845060▲	4-1/2	5-1/4	4	150	600	2.91	1	585.155	48.458
16242850012▲	16242850060▲	5	5-3/4	4	150	600	3.21	1	708.878	58.770
16242855012▲	16242855060▲	5-1/2	6-1/4	4	150	600	3.50	1	808.811	67.098
16242860012▲	16242860060▲	6	6-5/8	4	150	600	3.79	1	928.725	77.090
16242866212▲	—	6-5/8	7-5/8	6	150	600	5.47	1	1,068.313	—
16242870012▲	—	7	8	6	150	600	5.75	1	1,247.950	—
16242880012▲	—	8	9	6	100	400	6.50	1	1,320.996	—
16242886212▲	—	8-5/8	9-5/8	6	100	400	6.98	1	1,438.058	—
16242810112▲	—	10	11	6	90	360	8.03	1	1,680.752	—
16242810712▲	—	10-3/4	11-3/4	6	75	300	8.64	1	1,918.682	—
16242812012▲	—	12	13	6	60	240	9.59	1	2,140.911	—
16242812712▲	—	12-3/4	13-3/4	6	50	200	10.12	1	2,294.138	—

**Tube:** NBR/SBR.

**Reinforcement:** Tire Cord.

**Cover:** CR/NBR.

**Temperature:** 0° to +212°F.

**Length:** 12 & 60 ft.

**Branding:** Blue Layline Thermoid Mariner Wet Exhaust SAE J2006R1 Date, Made In USA

**Cut Lengths:** Contact Customer Service.

Standard Case. 5% Cutting Charge.

▲ = **Make To Order (MTO) ITEM:** Minimum run requirements. — 360 ft.

**THERMOID SPECIAL PURPOSE &  
COOLANT DISCHARGE HOSE PRODUCTS**
**SILICONE — AIR/HEAT/COOLANT/OZONE HOSE**
**3003 SILICONE COOLANT STANDARD WALL 3/16"**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	Price/Length
16300306212▲	5/8	1	94	375	0.30	\$194.143
16300307512▲	3/4	1-1/8	81	325	0.35	279.114
16300308712▲	7/8	1-1/4	81	325	0.40	288.451
16300310012	1	1-3/8	75	300	0.44	293.232
16300311212▲	1-1/8	1-1/2	71	300	0.48	306.320
16300312512▲	1-1/4	1-5/8	69	275	0.52	311.670
16300313712▲	1-3/8	1-3/4	66	265	0.56	321.912
16300315012	1-1/2	1-7/8	63	250	0.60	332.665
16300316212▲	1-5/8	2	59	250	0.64	346.606
16300317512▲	1-3/4	2-1/8	56	225	0.69	351.661
16300318712▲	1-7/8	2-1/4	54	200	0.74	364.126
16300320012	2	2-3/8	50	200	0.77	371.375
16300321212▲	2-1/8	2-1/2	46	175	0.81	381.436
16300322512▲	2-1/4	2-5/8	44	175	0.86	395.255
16300323712▲	2-3/8	2-3/4	41	175	0.90	397.398
16300325012	2-1/2	2-7/8	38	150	0.94	421.203
16300326212▲	2-5/8	3	31	125	0.98	431.770
16300327512▲	2-3/4	3-1/8	31	125	1.02	435.189
16300328712▲	2-7/8	3-1/4	22	87	1.07	438.118
16300330012	3	3-3/8	22	87	1.11	446.062
						<b>Price/Length</b>
16300331212▲	3-1/8	3-1/2	19	75	1.22	\$482.116
16300332512▲	3-1/4	3-5/8	18	75	1.27	491.486
16300335012▲	3-1/2	3-7/8	18	75	1.33	511.642
16300337512▲	3-3/4	4-1/8	13	50	1.42	532.971
16300340012▲	4	4-3/8	12	50	1.50	557.787
16300342512▲	4-1/4	4-5/8	12	50	1.60	573.670
16300345012▲	4-1/2	4-7/8	12	50	1.67	585.031
16300350012▲	5	5-3/8	12	50	1.85	619.129
16300355012▲	5-1/2	5-7/8	11	45	2.04	692.782
16300360012▲	6	6-3/8	10	40	2.20	707.763

**Tube:** Blue, silicone, heat and ozone resistant.

**Reinforcement:** 2 Ply polyester fabric, silicone coated, heat and ozone resistant.

**Cover:** Blue silicone, heat and ozone resistant.

**Temperature:** -67°F to +347°F.

**Branding:** White Layline, Silicone Coolant, Style number

**Specification:** SAE 20R1, Class A.

**Note:** This hose is not suitable for fuel or oil transfer.

**Cut Lengths:** Contact Customer Service.

3-1/8" and above sold in 12 ft. lengths only.

5% Cutting Charge.

▲ = **Make To Order (MTO) ITEM:** Minimum run requirements — 12 ft. lengths.



**SILICONE — AIR/HEAT/COOLANT/OZONE HOSE**

**3004 SILICONE COOLANT HEAVY WALL 1/4"**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Burst psi	Approx. Wt./Ft. (Lbs.)	Price/Length Uncoupled
16300406212▲	5/8	1-1/8	125	500	0.40	\$209.371
16300407512▲	3/4	1-1/4	125	500	0.44	303.626
16300408712▲	7/8	1-3/8	125	500	0.50	311.182
16300410012▲	1	1-1/2	125	500	0.55	316.168
16300411212▲	1-1/8	1-5/8	125	500	0.60	331.967
16300412512▲	1-1/4	1-3/4	125	500	0.65	338.695
16300413712▲	1-3/8	1-7/8	113	450	0.70	355.231
16300415012▲	1-1/2	2	113	450	0.74	363.347
16300416212▲	1-5/8	2-1/8	106	425	0.90	382.618
16300417512▲	1-3/4	2-1/4	100	400	0.85	386.395
16300418712▲	1-7/8	2-3/8	94	375	0.91	401.278
16300420012▲	2	2-1/2	88	350	0.95	405.743
16300421212▲	2-1/8	2-5/8	88	350	1.00	424.823
16300422512▲	2-1/4	2-3/4	88	350	1.05	436.627
16300423712▲	2-3/8	2-7/8	75	300	1.10	439.845
16300425012▲	2-1/2	3	63	250	1.15	475.041
16300426212▲	2-5/8	3-1/8	63	250	1.20	487.176
16300427512▲	2-3/4	3-1/4	63	250	1.25	490.407
16300428712▲	2-7/8	3-3/8	63	250	1.31	491.755
16300430012▲	3	3-1/2	63	250	1.36	501.995
16300431212▲	3-1/8	3-5/8	50	200	1.46	537.393
16300432512▲	3-1/4	3-3/4	50	200	1.52	553.268
16300435012▲	3-1/2	4	50	200	1.60	570.812
16300437512▲	3-3/4	4-1/4	38	150	1.70	600.059
16300440012▲	4	4-1/2	38	150	1.81	624.883
16300442512▲	4-1/4	4-3/4	38	150	1.92	652.333
16300445012▲	4-1/2	5	38	150	2.09	666.059
16300450012▲	5	5-1/2	25	100	2.22	709.732
16300455012▲	5-1/2	6	25	100	2.45	787.896
16300460012▲	6	6-1/2	25	100	2.65	813.939

**Tube:** Blue silicone, heat and ozone resistant.

**Reinforcement:** 3 Ply polyester fabric, silicone coated, heat and ozone resistant.

**Cover:** Blue silicone, heat and ozone resistant.

**Temperature:** -67°F to +347°F.

**Length:** 12 ft.

**Branding:** White Layline, Silicone Coolant, Style number

**Specification:** SAE20R1, Class A.

**Note:** This hose is not suitable for fuel or oil transfer.

**Cut Lengths:** Contact Customer Service.

3-1/8" and above sold in 12 ft. lengths only. 5% Cutting Charge.

▲ = **Make To Order (MTO) ITEM:** Minimum run requirements — 12 ft. lengths.

**AIR/COOLANT/FUEL/MARINE HOSE**
**7910 BELLOWSFLEX™ “A” COOLANT, MARINE, FUEL (Hardwall)**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Burst (psi)	Approx. Wt./Ft. (Lbs.)	Price/Foot
16791005025	1/2	7/8	60	2.0	240	0.32	\$ 8.940
16791006225	5/8	1	60	2.0	240	0.36	9.186
16791007560	3/4	1-1/8	58	3.0	230	0.48	9.269
16791008760	7/8	1-1/4	55	3.0	220	0.55	9.635
16791010060	1	1-3/8	53	3.0	210	0.61	9.882
16791010660	1-1/16	1-7/16	53	3.0	210	0.63	10.088
16791011260	1-1/8	1-1/2	50	3.0	200	0.67	10.252
16791012560	1-1/4	1-5/8	44	3.0	175	0.72	10.456
16791013160	1-5/16	1-11/16	44	4.0	180	0.76	10.970
16791013760	1-3/8	1-3/4	44	4.0	175	0.79	11.522
16791015060	1-1/2	1-7/8	44	4.0	175	0.84	11.644
16791016260	1-5/8	2	41	5.0	165	0.90	12.221
16791017560	1-3/4	2-1/8	41	5.0	160	0.96	12.672
16791018760	1-7/8	2-1/4	38	5.0	150	1.02	13.042
16791020060	2	2-3/8	35	6.0	140	1.07	14.723
16791021260	2-1/8	2-1/2	34	6.0	135	1.13	15.747
16791022560	2-1/4	2-5/8	34	6.0	135	1.18	15.953
16791023760	2-3/8	2-3/4	33	7.0	130	1.19	16.279
16791025060	2-1/2	2-7/8	30	8.0	120	1.23	21.776
16791026260	2-5/8	3	30	10.0	120	1.28	22.594
16791027560	2-3/4	3-1/8	29	10.0	115	1.34	23.252
16791028760	2-7/8	3-1/4	29	11.0	115	1.40	24.154
16791030060	3	3-3/8	26	13.0	105	1.51	24.934
16791031260	3-1/8	3-1/2	23	13.0	90	1.57	25.632
16791032560	3-1/4	3-5/8	21	14.0	85	1.63	26.490
16791035060	3-1/2	3-7/8	20	14.0	80	1.75	27.760
16791040060	4	4-3/8	18	15.0	70	1.98	31.715
16791045060	4-1/2	4-7/8	16	16.0	65	2.21	38.014
16791050060	5	5-3/8	14	28.0	55	2.69	40.228
16791055060	5-1/2	5-7/8	13	31.0	50	2.94	46.216
16791060060	6	6-3/8	11	33.0	45	3.42	51.055

**Tube:** NBR.

**Reinforcement:** Nylon screen with helical wire.

**Cover:** CR, heat and ozone resistant.

**Temperature:** -20°F to +212°F.

**Length:** 1/2 & 5/8, 25 ft. max, all other 60 ft.

**Branding:** Yellow Layline, BellowsFlex™ -A (xxx) mm (INCH) I.D.

SAEJ1527 USCG Type A-2 MPA W.P. SAEJ2006 R2 Thermoid®

Made In USA (year)-Caution Statement

**Specification:** SAE J1527 Type A2, SAEJ2006, R2

**Note:** BellowsFlex is also available in EPDM Style 7925 and Butyl 7920 “STD” Wall & 17922 “Light” Wall constructions for special applications and for wet exhaust. Rated full vacuum.

**For all BellowsFlex™ “A” Coolant Hose, contact customer service for minimum run requirements.**

**HYDRAULIC RETURN/SUCTION HOSE****7951 SAE 100R4 HYDRAULIC RETURN/SUCTION**

Product Number	I.D. (In.)	O.D. (In.)	W.P. (psi)	Min. Bend (In.)	Burst (psi)	Approx. Wt./Ft. (Lbs.)	60 Ft. Price/Foot
16795107560▲	3/4	1-5/16	300	5.0	1,200	0.57	\$ 8.644
16795108760▲	7/8	1-7/16	300	5.5	1,200	0.63	8.902
16795110060	1	1-9/16	300	6.0	1,200	0.70	9.251
16795112560	1-1/4	1-13/16	300	8.0	1,200	0.83	10.031
16795115060	1-1/2	2-1/32	300	10.0	1,200	1.09	11.135
16795117560▲	1-3/4	2-5/16	300	11.0	1,200	1.24	11.994
16795120060▲	2	2-9/16	300	12.0	1,200	1.39	12.866
16795122560▲	2-1/4	2-13/16	300	13.0	1,200	1.47	14.553
16795125060▲	2-1/2	3-1/16	62	14.0	250	1.61	17.509
16795127560▲	2-3/4	3-5/16	60	16.0	245	1.75	17.646
16795130060▲	3	3-9/16	56	18.0	225	1.97	18.679

**Tube:** NBR.**Reinforcement:** Tire Cord and helical wire.**Cover:** CR.**Temperature:** -40°F to +212°F.**Length:** 60 ft.**Branding:** Silver Layline, SAE 100R4 I.D. Made In USA**Specification:** SAE 100R4. 5% Cutting Charge.▲ = Make To Order (MTO) ITEM: Minimum run requirements  
— 360 ft.

## Thermoid® MADE TO ORDER HOSE PRODUCTS

The hose products shown below are made to order and available in varying I.D. sizes and lengths for specific industrial uses and special applications:

Acid Suction and Discharge  
Atlas Acid Discharge  
Atlas Acid Suction and Discharge  
Black Racer OS & D  
Bottom Loading  
Chemical and Solvent (Smooth Bore)–UHMW Polyethylene lining  
Commander Acid Discharge  
Commander Acid Suction & Discharge  
Convertapipe  
Dredging Sleeves  
Elephant Truck  
Fish Suction  
Flexlock Connectors  
Flexlock Ends  
Flexseal Connectors  
Flexseal Ends  
Flightmaster Jac Risor  
Fuel Transfer 150  
HY-FLEX 200, 275 and 300 HY-FLEX  
HY-FLEX Grade C – Rotary, Vibrator, Drilling & Decoker  
HY-FLEX Grade D  
Industrial Ducting  
Leaf Collector  
Mud Pump Suction  
Nylair 44

Paper Machine Suction Box  
Pile Driver Steam  
Radial Flex–Air Ducting (Blue)  
Radial Flex Heavy Duty Yellow  
Radial Flex Standard Duty Clear Corrugated  
Safetyflex  
Safetyflex Water Jetting  
Sand & Cement Discharge  
Sand Suction  
Slim Hole Rotary  
Submarine  
Tankmaster 200 (Smooth Bore)  
Tankmaster Hot Asphalt  
Tankmaster LPG/Propane  
Tankmaster K200 OS & D  
Tankmaster 200/225–FKM lining  
Transporter L.W. Corrugated Tank Truck  
Tankmaster Oil Discharge  
Transporter Chemical V  
Transporter Plaster & Concrete  
Type 101 – Material Handling  
Type 102 – Material Handling  
Type 103 – Exhaust  
Type 105 – Collector  
Type 120 – Food  
Type 95 – Food  
Type 96 – Food

For complete product specifications on these products, please review the **Thermoid Industrial Rubber Products Catalog: HBD/THB/C/E/O/S-19674**, view product information on line at [www.hbdthermoid.com](http://www.hbdthermoid.com) or contact your area HBD/Thermoid Sales Representative for assistance.

For current product pricing on these specific products, contact your Customer Service Department at **800-438-2312**. For assistance in determining best hose product for your application, complete the **Thermoid Customer Made to Order Hose** form on the following page and fax it to **704/633-3880**.

# Thermoid® CUSTOMER MADE TO ORDER HOSE FORM

**Customer Information:**

Company: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Contact: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
 Address: \_\_\_\_\_ P.O. #: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Terms: \_\_\_\_\_

**Size** ID \_\_\_\_\_ OC \_\_\_\_\_ Overall length \_\_\_\_\_ Tolerance \_\_\_\_\_

**Temperature (°F/°C)** Materials Conveyed \_\_\_\_\_ Environmental Temperature  
 Min. \_\_\_\_\_ Max. \_\_\_\_\_ Min. \_\_\_\_\_ Max. \_\_\_\_\_

**Application** Type: \_\_\_\_\_

**Material Conveyed**

**Material/Media** Internal \_\_\_\_\_ External \_\_\_\_\_  
 Media \_\_\_\_\_ Environment \_\_\_\_\_

**Pressure** Max. Working Pressure \_\_\_\_\_ PSI/kPA Spikes \_\_\_\_\_ Vacuum \_\_\_\_\_ Inches of Hg/kPA

**Threads/Bolts**

Ends	Style/		Hole		Attachment		Capped	
	End	Material	Size	Alignment	Orientation	Methods		
1	_____	_____	_____	_____	_____	_____	Y	N
2	_____	_____	_____	_____	_____	_____	Y	N

Quantity Required: \_\_\_\_\_ Date Required: \_\_\_\_\_

Package Type: \_\_\_\_\_

**Delivery** Pick Up Date: \_\_\_\_\_ Ship Via: \_\_\_\_\_

Testing Required: Y N Type: \_\_\_\_\_

Certification Required: Y N Type: \_\_\_\_\_

**Special Requirements:** \_\_\_\_\_

**THERMOID SPECIAL PURPOSE &  
COOLANT DISCHARGE HOSE PRODUCTS**

# Thermoid® CUSTOMER MADE TO ORDER HOSE FORM

**Customer Information:**

Company: \_\_\_\_\_ Fax: \_\_\_\_\_

Contact: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Address: \_\_\_\_\_ P.O. #: \_\_\_\_\_

Phone: \_\_\_\_\_ Terms: \_\_\_\_\_

**Size** ID \_\_\_\_\_ OC \_\_\_\_\_ Overall length \_\_\_\_\_ Tolerance \_\_\_\_\_

**Temperature (°F/°C)** Materials Conveyed \_\_\_\_\_ Environmental Temperature  
Min. \_\_\_\_\_ Max. \_\_\_\_\_ Min. \_\_\_\_\_ Max. \_\_\_\_\_

**Application** Type: \_\_\_\_\_

**Material Conveyed**

**Material/Media** Internal \_\_\_\_\_ External \_\_\_\_\_  
Media \_\_\_\_\_ Environment \_\_\_\_\_

**Pressure** Max. Working Pressure \_\_\_\_\_ PSI/kPA Spikes \_\_\_\_\_ PSI/kPA Vacuum \_\_\_\_\_ Inches of Hg/kPA

**Threads/Bolts**

Ends	End	Style/		Hole		Attachment Methods	Capped	
		Material	Size	Alignment	Orientation		Y	N
	1	_____	_____	_____	_____	_____	Y	N
	2	_____	_____	_____	_____	_____	Y	N

Quantity Required: \_\_\_\_\_ Date Required: \_\_\_\_\_

Package Type: \_\_\_\_\_

**Delivery** Pick Up Date: \_\_\_\_\_ Ship Via: \_\_\_\_\_

Testing Required: Y N Type: \_\_\_\_\_

Certification Required: Y N Type: \_\_\_\_\_

**Special Requirements:** \_\_\_\_\_

**ENTIRE AGREEMENT**

The parties agree that there are no understandings, agreements or representations, express or implied, not specified herein, respecting this offer or sale, and that this instrument contains the entire agreement between Seller and Buyer. No prior waiver, course of prior dealing or usage of the trade shall be relevant to supplement or to explain terms used in this agreement.

**CONTROLLING TERMS**

All sales are expressly limited to, and the rights and liabilities of the parties shall be governed exclusively by, the terms and conditions herein. In the event any purchase order or offer from Buyer states terms additional to or different from those set forth herein, this document shall be deemed a notice of objection to such additional or different terms and a rejection thereof. Any acknowledgment or shipment of product by Seller to Buyer subsequent to Seller's receipt of a purchase order or offer from Buyer shall not be deemed to be an acceptance by Seller of an offer to contract on the basis of any Buyer's terms and conditions. Receipt and acceptance by Buyer of products shall be conclusive evidence of Buyer's acceptance of the terms and conditions set forth herein as the sole controlling terms and conditions of the contract between Seller and Buyer. Stenographic and clerical errors by Seller are subject to correction.

**ACCEPTANCE OF ORDERS**

Seller possesses the exclusive right to accept or refuse any and all orders. No bid, offer, or quotation shall be valid or binding upon Seller, and no order shall be accepted and no sale shall be final, until such bid, offer, quotation, order or sale shall be acknowledged in writing by Seller. See price pages for minimum order amount.

**PRICES**

All prices are subject to change without notice and shall be adjusted to the Seller's prices in effect on the date of shipment. Prices reflect standard packaging for domestic shipment only. All prices are in U.S. Dollars. All tooling and equipment Seller produces or acquires for purposes of filling this order shall remain property of Seller. All intellectual property associated with the products shall remain the sole property of Seller.

**DELIVERY**

Delivery dates are estimates and not a guaranty of a particular day of delivery and are based on the prompt receipt of all necessary information from the Buyer. Seller shall not be liable for failure or delay in shipping goods hereunder if such failure or delay is due to an act of God, fire, flood, war, labor difficulties, accident, strikes, lockouts, civil disorders, governmental priorities or embargoes, inability or difficulty in obtaining raw materials or supplies at customary terms and prices or any other causes or failure of presumed conditions of any kind whatsoever which are either beyond the reasonable control of the Seller or which would make impracticable the fulfillment of Seller's obligations hereunder. Buyer shall not refuse to accept deliveries so delayed. Seller shall be compensated for any and all extra costs and expenses occasioned by delays attributable to Buyer.

**TRANSPORTATION AND RISK OF LOSS**

All shipments are freight collect unless eligible for a freight allowance expressly set forth in current price sheets or on the face hereof. Seller reserves the right to select the method and type of transportation. If a method of transportation other than that selected by Seller is requested by Buyer, excess packing, shipping and transportation charges resulting from compliance with Buyer's request shall be for the Buyer's account. All shipments are F.O.B. point of shipment and risk of loss shall pass to Buyer after products are delivered to carrier. Claims for damage or loss in transit must be filed by Buyer against the carrier.

**CANCELLATION OR MODIFICATION**

Buyer may not cancel or modify any order, either in whole or in part, without Seller's prior written consent and then only upon payment to Seller for all applicable costs incurred by Seller, including, without limitation, costs of materials, labor, equipment and supplies, and for lost profits on cancelled or modified orders. Order changes or additions received after original order has been processed will be treated as a new order.

**TAXES**

Any taxes which Seller may be required to pay or collect with respect to the sale, delivery or storage of the products, including taxes upon or measured by the receipts from the sales thereof, shall be for the account of Buyer who shall promptly pay the amount thereof to Seller upon demand, or in lieu thereof, furnish Seller with a tax exemption certificate acceptable to the taxing authorities.

**WARRANTY AND DISCLAIMER**

Seller warrants that its products shall be free from defects in material and workmanship under normal use and service for a period of 12 months from date of shipment. On equipment and materials furnished by Seller but manufactured by others, Buyer shall accept in lieu of any liability or guarantees on the part of Seller, the benefits of guarantees as are obtained by Seller from such manufacturers or vendors. SELLER MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EXCEPT AS IS EXPRESSLY SET FORTH HEREIN. Failure by Buyer to object to or reject products or materials delivered hereunder, in writing within 30 days from the date of shipment of the products or materials, shall constitute an acceptance and waiver by Buyer of all claims hereunder on account of alleged errors, shortages, defective workmanship or material, breach of warranty or otherwise, discoverable upon inspection by Buyer.

**LIMITATION OF LIABILITY**

Buyer's exclusive remedy on any claim of any kind for any loss or damage arising out of, connected with, or resulting from this contract, or from the performance or breach thereof, or from the design, manufacture, sale, delivery, resale, or repair or use of any products covered by or furnished under the contract, including but not limited to any claim for breach of warranty, negligence, strict liability or other tort, shall be the repair or replacement, F.O.B. Seller's factory, as Seller may elect, of the product or part thereof giving rise to such claim, except that Seller's liability for such repair or replacement shall in no event exceed the contract price allocable to the product or part thereof which give rise to the claim. SELLER SHALL IN NO EVENT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

**RETURN OF MATERIAL**

Seller's permission must be obtained in writing before any products are returned to it by Buyer. If products are returned without such permission, Buyer authorizes Seller, in addition to such other remedies as it may have, to hold the returned products at Buyer's sole risk and expense. All returns must be freight prepaid by Buyer. Seller will in no event accept the return of any product that upon return is in the opinion of Seller altered, damaged, used, or in other than first class salable condition.

**INDEMNITY**

Buyer agrees to indemnify, defend and hold harmless Seller from any claims, loss or damages arising out of or related to Seller's compliance with Buyer's designs, specifications or instructions in the furnishing of products to Buyer, whether based on infringement of patents, copyrights, trademarks or other rights of others, breach of warranty, negligence, strict liability or other tort.

**PAYMENT**

All invoices are due net 30 days from date of invoice unless otherwise specified by Seller. If at any time Seller deems itself insecure from any cause whatsoever, including but not limited to adverse changes in Buyer's financial condition or impairment of Buyer's credit, Seller may in its sole discretion stop delivery of goods, require advance payment for goods, and/or declare immediately due all indebtedness owed to Seller including amounts due hereunder. Payments not made when due shall bear interest at the prime rate plus 5% per annum or, if lower, the highest rate legally permissible, until paid. Credit balances will be applied against future purchases only and must be claimed within one year of creation or are waived.

**GOVERNING LAW AND ARBITRATION**

Any dealings or contract between the parties shall be governed by and construed in accordance with the law of the state of Ohio, excluding its choice of law provisions. Buyer and Seller agree that any action, suit or proceeding arising hereunder or related hereto may be brought in any state or federal court of competent jurisdiction sitting in the State of Ohio and each party submits to the jurisdiction of such courts. Either Buyer or Seller may elect to have any controversy arising under or in any way related to the subject matter hereof decided by arbitration by a single disinterested arbitrator in Columbus, Ohio, U.S.A., in accordance with the commercial rules of the American Arbitration Association then obtaining. The fee for the arbitrator shall be shared equally by the parties. Each party shall bear its own costs and expenses, including attorneys fees.

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