



**TRANSPORTER® HOT TAR & ASPHALT**

Transporter Hot Tar and Asphalt hose has been designed to handle the transfer of hot asphaltic materials between trucks, rail transport cars, storage tanks and disposing units. The specially compounded CR tube and cover are exceptionally heat resistant (tube to +350°F) as well as being strong and durable. The spiral synthetic cord and helical wire reinforcement allow this hose to work at 150 psi.



<b>Resistance:</b>
 
<b>Branding:</b>
Thermoid HBD Industries Hot Tar & Asphalt 150 WP 350°F Max. Temp. Made In USA

- Cover Color:** Black
- Oil Resistance:** Medium
- Construction:**
  - Tube:** CR, suitable to +350°F
  - Cover:** CR
  - Reinforcement:** Spiral synthetic cord with spiral helix(es) inserted
- Temperature Range:** -20°F to +350°F  
-29°C to +177°C
- Packaging:** 100 ft. maximum  
Minimum order is 1200 ft. per size

Product Number	Nominal I.D.		Nominal O.D.		Reinforcement Spirals	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
17771515002▲	1-1/2	38.10	2.13	53.98	2	150	1.03	6.00	152.40	1.30	1.93
17771520002▲	2	50.80	2.63	66.68	2	150	1.03	8.00	203.20	1.50	2.23
17771525002▲	2-1/2	63.50	3.19	80.96	2	150	1.03	10.00	254.00	2.30	3.42
17771530002▲	3	76.20	3.75	95.25	2	150	1.03	14.00	355.60	2.80	4.17
17771540002▲	4	101.60	4.75	120.65	2	150	1.03	18.00	457.20	4.00	5.95

▲ = Make To Order (MTO)

Consult coupling manufacturers for specific coupling recommendations/attachment procedures.

**ALERT:** Large size, industrial hoses have caution and/or safety usage printed information attached by tag to the product or this information is printed onto the hose.

 For Hose and Hose Coupling Guide Information, see catalog pages 32 and 33. For Made to Order Hose, Customer Order Form, see catalog page 137.

Product information is subject to change. For full details, visit our website or contact Customer Service.

## ELEPHANT TRUNK

The recommended use for Elephant Trunk hose is for gravity flow transfer of dry bulk materials. This hose features SBR/NR tube and SBR/EPDM cover compound with a polyester cord reinforcement. This combination allows this hose to be lightweight and flexible. Other benefits include resistance to moisture absorption, weathering, aging and sun-checking.



### Resistance:



### Branding:

HBD Industries

<b>Cover Color:</b>	Black
<b>Oil Resistance:</b>	Limited
<b>Construction:</b>	
<b>Tube:</b>	SBR/NR - 1/8" thick
<b>Cover:</b>	SBR/EPDM - 1/32" thick
<b>Reinforcement:</b>	Polyester cord
<b>Temperature Range:</b>	-40°F to +160°F -40°C to +71°C
<b>Packaging:</b>	50 ft. maximum Hand built - \$250.00 minimum order per size Straight ends

Product Number	Nominal I.D.		Nominal O.D.		Plies	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
11474600502▲	4	101.60	4.44	112.71	2	15	0.10	n/a	n/a	1.60	2.38
11474602502▲	5	127.00	5.44	138.11	2	15	0.10	n/a	n/a	1.90	2.83
11474603502▲	6	152.40	6.44	163.51	2	15	0.10	n/a	n/a	2.30	3.42
11474604502▲	6-5/8	168.28	7.06	179.39	2	15	0.10	n/a	n/a	2.50	3.72
11474605502▲	8	203.20	8.44	214.31	2	15	0.10	n/a	n/a	3.00	4.46
11474606502▲	8-5/8	219.08	9.06	230.19	2	15	0.10	n/a	n/a	3.30	4.91
11474607502▲	10	254.00	10.44	265.11	2	15	0.10	n/a	n/a	3.70	5.51
11474608502▲	10-3/4	273.05	11.19	284.16	2	15	0.10	n/a	n/a	4.00	5.95
11474609502▲	12	304.80	12.44	315.91	2	15	0.10	n/a	n/a	4.50	6.70
11474610502▲	12-3/4	323.85	13.19	331.79	2	15	0.10	n/a	n/a	4.80	7.14
11474612502▲	14	355.60	14.44	366.71	2	15	0.10	n/a	n/a	5.40	8.04
11474614502▲	16	406.40	16.44	417.51	2	15	0.10	n/a	n/a	6.20	9.23
11474618502▲	18	457.20	18.44	468.31	2	15	0.10	n/a	n/a	7.00	10.42
11474619502▲	20	508.00	20.44	519.11	2	15	0.10	n/a	n/a	7.70	10.72
11474620502▲	24	690.60	24.56	623.89	2	15	0.10	n/a	n/a	9.30	13.84
11474621502▲	26	660.40	26.44	671.51	2	15	0.10	n/a	n/a	10.00	14.88

▲ = Make To Order (MTO)

n/a = Not Applicable

## FURNACE DOOR (Wire Braid)

Furnace Door hose is used as a water cooling hose on open hearth steel mill furnaces. This hose is so light and flexible, only one person is required when changing out this hose. Furnace Door hose features reinforcement braids of high-tensile carbon steel wire with a heat resistant textile layer. This combination provides an insulating layer against severe external heat. The flexible braid of stainless steel used for the cover of this hose is designed to prevent the build-up of metal spattering. This cover also resists the tendency for molten metal to cling to the hose.



### Resistance:



### Branding:

Furnace Door 250 PSI WP  
Made In USA

<b>Cover Color:</b>	Black
<b>Oil Resistance:</b>	Limited
<b>Construction:</b>	
<b>Tube:</b>	EPDM
<b>Cover:</b>	Flexible braid of stainless steel wire
<b>Reinforcement:</b>	One braid of high-tensile carbon steel wire
<b>Temperature Range:</b>	-40°F to +600°F -40°C to +315°C With cooling water flowing through the hose at a velocity of 20 feet per second
<b>Packaging:</b>	50 ft. maximum, all lengths. Minimum order is 500 ft. per size

Product Number	Nominal I.D.		Nominal O.D.		Reinforcement Braids	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
01164461502▲	1	25.40	1.69	42.86	3	250	1.72	8.00	203.20	0.61	0.91
01164462502	1-1/4	31.75	1.88	47.63	3	250	1.72	10.00	254.00	0.80	1.19
01164463502	1-1/2	38.10	2.13	53.98	3	250	1.72	12.00	304.80	0.95	1.41
01164464502	2	50.80	2.63	66.68	3	250	1.72	16.00	406.40	1.20	1.79

▲ = Make To Order (MTO)

### TRANSPORTER® GP FRAC HOSE

Transporter® GP FRAC Hoses are oil and gas exploration oilfield application products. These GP Fracturing Hoses are rugged, abrasion resistant discharge products engineered to provide top performance and long term service around oilfield and gas exploration worksites.

The GP FRAC Hose is an economical and cost effective complement to our highly successful, premium, Transporter® Oilfield Fracturing Hose. These hoses have a blended, strong synthetic rubber tube and deliver solid working pressure of 400 PSIG. They can provide exceptional service and are designed for use with 98% water and sand mixtures, and oil slurries for FRAC Tank Connections.

Economical and built to perform just like the other Thermoid Oil & Gas Exploration Hoses and products, rely on the new Thermoid GP FRAC Hose to deliver reliable service you can depend on at the work-site.



<b>Resistance:</b>	
<b>Branding:</b>	Thermoid/HBD Industries, Inc. - Transporter GP FRAC Hose - 400 psig, M.A. W.P., Made in USA, Caution Statement

- Cover Color:** Black
- Oil Resistance:** High
- Construction:**
  - Tube:** NBR/SBR Blend
  - Cover:** SBR/EPDM
  - Reinforcement:** Four high strength synthetic cord plies
- Temperature Range:** -25°F to +200°F  
-32°C to +93°C
- Packaging:** 100 ft. maximum

Product Number	Nominal I.D.		Nominal O.D.		Reinforcement Braids	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
17777013002	3	76.20	3.78	19.83	4	400	2.76	n/a	n/a	2.18	4.81
17777014002	4	101.60	4.78	19.83	4	400	2.76	n/a	n/a	2.83	6.24

n/a = Not Applicable

### OILFIELD FRACTURING

HBD/Thermoid has always been a leader in the development of quality, petroleum and fuel drilling and exploration hose and rubber products. Thermoid's Oilfield Fracturing Hose with its unique, abrasion resistance cover and tube has been copied, but never duplicated. These products provide you the superior, reliable long-term service. Our Fracturing Hoses are rugged, abrasion resistant discharge products specifically engineered to provide top performance in oilfield and gas exploration applications. These hoses are built to withstand the extended exposure to abrasive, harsh working conditions found on drilling job sites.



<b>Resistance:</b>	
<b>Branding:</b>	Thermoid Transporter Oilfield Fracturing Hose W.P. 400 PSI Made in USA Month/Year

- Cover Color:** Black
- Oil Resistance:** High
- Construction:**
  - Tube:** Special compound with high resistance to abrasion, oil and water
  - Cover:** Special compound with high resistance to abrasion, oil and water
  - Reinforcement:** Four high Strength Synthetic Cord Plies
- Temperature Range:** -25°F (-32°C) to +200°F (93°C)
- Packaging:** 100 ft. maximum, all lengths.

Product Number	Nominal I.D.		Nominal O.D.		Reinforcement Braids	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
17812000000	3	76.20	3.78	86.70	4	400	2.75	15.00	381.00	3.10	4.61
17812000000	4	101.60	4.78	12.24	4	400	2.75	20.00	508.00	4.10	6.10

▲ = Make To Order (MTO)

Product information is subject to change. For full details, visit our website or contact Customer Service.

## HY-FLEX GRADE D ROTARY DRILLING

HY-FLEX hose is recommended for the high pressure rotary drilling requirements of API Spec 7K and ISO 6807. This hose is also used in higher pressure applications which exceed the capabilities of Grade C Rotary Drilling hose. It can also be used for the flexible connection between standpipe and swivel for pumping mud at very high pressure in oil drilling and exploration. The HY-FLEX Grade D Rotary Drilling hose features multiple plies of high strength bead wire reinforcement to exceed the minimum burst requirements of 12,500 psig, yet provide for the maximum hose flexibility. The CR cover and NBR tube offer excellent resistance to heat, oil, abrasion and weather.



### Resistance:



### Branding:

HBD Industries, Inc.  
HY-FLEX Rotary-(month)-(Year)  
5000 psig W.P.-Grade D-Made In USA  
+ Warning: Caution Statement

<b>Cover Color:</b>	Black
<b>Oil Resistance:</b>	High
<b>Construction:</b>	
<b>Tube:</b>	NBR, RMA Class A
<b>Cover:</b>	CR, Class C
<b>Reinforcement:</b>	Multiple plies of bead wire (8 or 10) and synthetic cord fabric
<b>Temperature Range:</b>	-20°F to +200°F -29°C to +93°C
<b>Packaging:</b>	Lengths over 30 ft. shipped on metal reels Shorter pieces shipped straight – slat packed
<b>Couplings:</b>	Only uncoupled hose is available at this time

Product Number	Nominal I.D.		Nominal O.D.		Plies	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
34844473002▲	2-1/2	63.50	4.00	101.60	8	5000	34.48	48.00	1219.20	8.81	12.77
34844475002▲	3	76.20	4.68	118.87	8	5000	34.48	48.00	1219.20	12.72	18.57
34844478002▲	3-1/2	88.90	5.36	136.14	10	5000	34.48	54.00	1371.60	17.04	24.88

▲ = Make To Order (MTO)

## THERMOID MUD PUMP SUCTION

Thermoid Mud Pump Suction hose is designed to be used as the flexible connection between mud pits and slush pumps. This hose features a construction of multiple plies of synthetic cord fabric with a helical steel wire. This allows the hose to be flexible, helps prevent collapse and gives it a **full vacuum rating**. The CR cover and tube are resistant to abrasion, sunlight, weather and oil.



### Resistance:



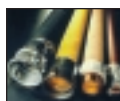
### Branding:

Thermoid HBD Industries Inc.  
Made In USA

<b>Cover Color:</b>	Black
<b>Oil Resistance:</b>	Medium
<b>Construction:</b>	
<b>Tube:</b>	CR
<b>Cover:</b>	CR
<b>Reinforcement:</b>	Multiple plies of synthetic cord fabric with a helical wire
<b>Temperature Range:</b>	-30°F to +200°F -34°C to +93°C
<b>Packaging:</b>	50 ft. maximum Hand built – \$250.00 minimum order per size
<b>Couplings:</b>	Built-in nipples

Product Number	Nominal I.D.		Nominal O.D.		Plies	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
11560006002▲	6	152.40	7.50	190.50	3	100	0.69	36.00	914.40	9.70	14.44
11560008002▲	8	203.20	9.63	244.48	4	100	0.69	48.00	1219.20	15.90	23.66
11560010002▲	10	254.00	11.75	298.45	5	100	0.69	60.00	1524.00	22.00	32.74
11560012002▲	12	304.80	13.88	352.43	6	100	0.69	72.00	1828.80	28.30	42.12

▲ = Make To Order (MTO)

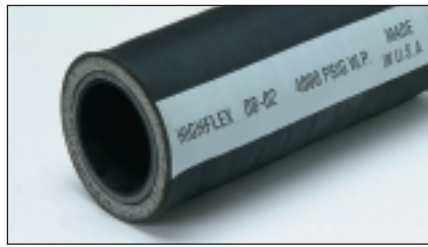


For Hose and Hose Coupling Guide Information, see catalog pages 32 and 33.  
For Made to Order Hose, Customer Order Form, see catalog page 137.



## HY-FLEX GRADE C ROTARY VIBRATOR DRILLING & DECOKER

HY-FLEX Decoker hose is the product you need for the application of the flexible connection between standpipe and swivel for pumping mud at a very high pressure in oil drilling and exploration. This is also the hose for refinery decoker service when coupled with HY-FLEX Full Flow Couplings. This hose features high strength spiral steel wire reinforcement which provides very flexible connection capable of withstanding high pumping pressures. The CR cover and NBR tube offer excellent resistance to heat, oil, drilling muds, abrasion and weather.



<b>Resistance:</b>
<b>Branding:</b>
Thermoid HBD Industries HY-FLEX Rotary 4000 PSIG Grade C Made In USA Month Year + Warning: Caution Statement

- Cover Color:** Black
- Oil Resistance:** High
- Construction:**
  - Tube:** NBR, RMA Class A and ISO 6807: 2nd Edition
  - Cover:** CR Grade C and ISO 6807: 2nd Edition with white layline stripe
  - Reinforcement:** Multiple layers of spiralled high tensile carbon steel wire
- Temperature Range:** -20°F to +212°F  
-29°C to +100°C
- Packaging:** 100 ft. lengths maximum  
Lengths for Coupled Assemblies hose are measured overall from threaded end to threaded end of the couplings  
Lengths tolerance is ± 1% for the over-all length of the hose or hose assembly.
- Couplings:** Highflex special internal expanded and swaged-on couplings for hose made to length. 3" male API line pipe thread on 2-1/2" size hose. 4" male API line pipe thread on 3" and 3-1/2" size hose. Flanges or Hammer Unions can also be added to couplings.

Product Number	Nominal I.D.		Nominal O.D.		Plies	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
34844402002▲	2-1/2	63.50	4.06	103.1	6	4000	27.59	48.00	1219.20	9.73	14.48
34844403002▲	3	76.20	4.63	117.6	8	4000	27.59	48.00	1219.20	11.26	16.76
34844404002▲	3-1/2	88.90	5.15	130.8	8	4000	27.59	54.00	1371.60	15.21	22.64

▲ = Make To Order (MTO)  
 \* Test Pressure is 8,000 psi, a 2:1 ratio to working pressure.  
 Minimum burst is 10,000 psi for each size, a 2.5:1 ratio to working pressure.

## SLIM HOLE ROTARY DRILLING

Slim Hole Rotary Drilling hose is designed specifically for rotary drilling on portable drilling rigs, workover rigs, slim hole and seismograph rigs. This hose features a CR cover and an NBR tube which offer excellent resistance to heat, oil, abrasion and weather. Plus this hose has a reinforcement of multiple layers of high tensile steel wire and two fabric plies which give this hose high strength and flexibility. Long 100 ft. lengths help reduce possible connection problems.

**Hose also available with 3,000 psi WP.**



<b>Resistance:</b>
<b>Branding:</b>
Thermoid HBD Industries Slim Hole Rotary 2500 PSI WP Serial Number Made In USA

- Cover Color:** Black
- Oil Resistance:** High
- Construction:**
  - Tube:** NBR, RMA Class A
  - Cover:** CR with white layline stripe – pinpricked
  - Reinforcement:** Multiple layers of spiralled high tensile steel wire, plus two fabric plies under the wire
- Temperature Range:** -20°F to +200°F  
-29°C to +93°C
- Packaging:** 100 ft. lengths maximum
- Couplings:** Swaged on high pressure carbon steel male NPT or API threaded ends or reusable couplings

Product Number	Nominal I.D.		Nominal O.D.		Plies	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
34844487002▲	2	50.80	3.13	79.38	4	2500	17.24	18.00	457.20	5.00	7.44
34844488002▲	2-1/2	63.50	3.64	92.46	4	2500	17.24	24.00	609.60	5.77	8.42
34844489002▲	3	76.20	4.19	106.36	4	2500	17.24	30.00	762.00	7.00	10.42

▲ = Make To Order (MTO)  
 \* Test Pressure is 5,000 psi, a 2:1 ratio to working pressure.  
 Minimum burst is 6,250 psi for each size.

SPECIAL APPLICATIONS

Product information is subject to change. For full details, visit our website or contact Customer Service.

## BLAST-FLEX™ SAND BLAST

Blast-Flex Sand Blast hose has been engineered to handle the cleaning, cutting or finishing stone, glass and metal surfaces. This hose will conduct sand, steel, shot or other sharp abrasives at high velocity. Blast-Flex features a 1/4" thick, SBR/NR tube that resists abrasion in sandblast service. The static-conducting properties of this hose prevent the build-up of electrical charges. The black SBR/EPDM cover resists abrasions, cuts and snags. The reinforcement of four spiral plies of heavy fabric resists collapsing and kinking when the hose is bent. The larger sizes of Blast-Flex are reinforced with heavier weight fabric for added strength.



### Resistance:



### Branding:

HBD Industries Sand Blast  
Made In USA

<b>Cover Color:</b>	Black
<b>Oil Resistance:</b>	Limited
<b>Construction:</b>	
<b>Tube:</b>	SBR/NR, 1/4" thick
<b>Cover:</b>	SBR/EPDM
<b>Reinforcement:</b>	Multiple plies of heavy fabric
<b>Temperature Range:</b>	-40°F to +160°F -40°C to +71°C
<b>Packaging:</b>	50 ft. maximum, all lengths Minimum order is 500 ft. per size

Product Number	Nominal I.D.		Nominal O.D.		Plies	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
17776010502	3/4	19.05	1.50	38.10	4	150	1.03	n/a	n/a	0.70	1.04
17776015502▲	1	25.40	1.88	47.63	4	150	1.03	n/a	n/a	1.00	1.49
17776025502▲	1-1/4	31.75	2.16	54.77	4	150	1.03	n/a	n/a	1.20	1.79
17776035502▲	1-1/2	38.10	2.38	60.33	4	150	1.03	n/a	n/a	1.30	1.93
17776040502▲	2	50.80	2.88	73.03	4	100	0.69	n/a	n/a	1.70	2.53
17776045502▲	2-1/2	63.50	3.41	86.52	4	100	0.69	n/a	n/a	2.00	2.98
17776050502	3	76.20	3.91	99.22	4	100	0.69	n/a	n/a	2.40	3.57

▲ = Make To Order (MTO)

n/a = Not Applicable

## WRAPPED SAND BLAST

Wrapped Sand Blast hose has been engineered to handle the cleaning, cutting or finishing stone, glass and metal surfaces. This hose will conduct sand, steel, shot or other sharp abrasives at high velocity. Wrapped Sand Blast features a 1/4" thick, SBR/NR tube that resists abrasion in sandblast service. The static-conducting properties of this hose prevent the build-up of electrical charges. The black SBR/EPDM cover resists abrasions, cuts and snags. The reinforcement of four spiral plies of heavy fabric resists collapsing and kinking when the hose is bent. The larger sizes of Wrapped Sand Blast are reinforced with heavier weight fabric for added strength.



### Resistance:



### Branding:

Thermoid HBD Industries  
Sand Blast Hose WP  
Made In USA

<b>Cover Color:</b>	Black
<b>Oil Resistance:</b>	Limited
<b>Construction:</b>	
<b>Tube:</b>	SBR/NR, 1/4" thick
<b>Cover:</b>	SBR/EPDM
<b>Reinforcement:</b>	Multiple plies of heavy fabric
<b>Packaging:</b>	50 ft. maximum, all lengths Minimum order is 500 ft. per size

Product Number	Nominal I.D.		Nominal O.D.		Plies	Working Pressure		Min. Bend Radius		Weight	
	(inches)	(mm)	(inches)	(mm)		(psi)	(Mpa)	(inches)	(mm)	(lb/ft)	(Kg/m)
21224407502	1/2	12.70	1.19	30.16	4	150	1.03	n/a	n/a	0.50	0.74
21224400502▲	3/4	19.05	1.50	38.10	4	150	1.03	n/a	n/a	0.70	1.04
21224401502	1	25.40	1.88	47.63	4	150	1.03	n/a	n/a	1.00	1.49
21224402502	1-1/4	31.75	2.16	54.77	4	150	1.03	n/a	n/a	1.20	1.79
21224403502▲	1-1/2	38.10	2.38	60.33	4	150	1.03	n/a	n/a	1.30	1.93
21224404502▲	2	50.80	2.88	73.03	4	100	0.69	n/a	n/a	1.70	2.53

▲ = Make To Order (MTO)

n/a = Not Applicable

Consult coupling manufacturers for specific coupling recommendations/attachment procedures.