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## TYPE 102 MATERIAL HANDLING

Type 102 Material Handling hose is used in those areas where those applications require either a **full vacuum rating** or 150 psi working pressure. This hose has been specifically designed to be compatible with 2 piece aluminum coupling for ease of field installation. The reinforcement of polyester plies with a helical wire allows Type 102 Material Handling hose to resist crushing, kinking or collapsing.



### Resistance:



### Branding:

Thermoid HBD Industries  
Type 102 Material Handling  
Made In USA

<b>Cover Color:</b>	Black
<b>Oil Resistance:</b>	Limited
<b>Construction:</b>	
<b>Tube:</b>	NR - tan. 40 durometer
<b>Cover:</b>	SBR/EPDM - corrugated
<b>Reinforcement:</b>	Wrapped construction with polyester plies and a steel wire helix(es)
<b>Temperature Range:</b>	-40°F to +160°F -40°C to +71°C
<b>Packaging:</b>	30 ft. lengths maximum Hand built - \$250.00 minimum order 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)
11476003502▲	3	76.20	4.50	114.30	3	150	1.03	18.00	457.20	5.10	7.59
11476004502▲	4	101.60	5.25	133.35	3	150	1.03	24.00	609.60	5.50	8.19
11476005502▲	5	127.00	6.44	163.51	3	150	1.03	30.00	762.00	8.00	11.91
11476006502▲	6	152.40	7.50	190.50	4	150	1.03	36.00	914.40	11.40	16.97
11476007502▲	8	203.20	9.50	241.30	4	150	1.03	48.00	1219.20	16.00	23.81
11476010502▲	10	254.00	11.50	292.10	4	150	1.03	60.00	1524.00	19.80	29.47
11476012502▲	12	304.80	13.50	342.90	4	150	1.03	72.00	1828.80	24.20	36.02

▲ = Make To Order (MTO)

## TYPE 103 EXHAUST – Black Cover

Type 103 Exhaust hose is recommended for **full vacuum** and low pressure discharge service for exhausting toxic and corrosive fumes from working areas. Type 103 Exhaust hose is **not** designed to carry abrasives. This hose features a corrugated construction which makes the hose very flexible. Straight or enlarged ends are available depending on the application. The wrapped construction with two to four plies of medium weight, loosely woven fabric, along with a steel wire helix allows Type 103 Exhaust hose to resist crushing, kinking or collapsing. This hose comes with the standard 3" long straight blank ends.



### Resistance:



### Branding:

Thermoid HBD Industries  
Type 103 Exhaust  
Made In USA

<b>Cover Color:</b>	Black
<b>Oil Resistance:</b>	Limited
<b>Construction:</b>	
<b>Tube:</b>	SBR/NR - 3/64" thick
<b>Cover:</b>	SBR/EPDM - corrugated
<b>Reinforcement:</b>	Wrapped construction with two to four plies with a helical wire
<b>Temperature Range:</b>	-40°F to +160°F -40°C to +71°C
<b>Packaging:</b>	50 ft. lengths maximum Hand built - \$250.00 minimum order 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)
11474020502▲	2	50.80	2.50	63.50	2	25	0.17	12.00	304.80	0.90	1.34
11474025502▲	2-1/2	63.50	3.00	76.20	2	25	0.17	15.00	381.00	1.20	1.79
11474030502▲	3	76.20	3.50	88.90	2	25	0.17	18.00	457.20	1.40	2.08
11474035502▲	3-1/2	88.90	4.00	101.60	2	25	0.17	21.00	533.40	1.80	2.68
11474040502▲	4	101.60	4.50	114.30	2	25	0.17	24.00	609.60	2.00	2.98
11474050502▲	5	127.00	5.75	146.05	3	25	0.17	30.00	762.00	2.80	4.17
11474060502▲	6	152.40	6.75	171.45	3	25	0.17	36.00	914.40	3.30	4.91
11474080502▲	8	203.20	8.75	222.25	3	25	0.17	48.00	1219.20	4.90	7.29
11474100502▲	10	254.00	10.94	277.81	4	25	0.17	60.00	1524.00	7.00	10.42
11474120502▲	12	304.80	12.94	328.61	4	25	0.17	72.00	1828.80	8.70	12.95
11474140502▲	14	355.60	14.94	379.41	4	25	0.17	84.00	2133.60	10.10	15.03
11474160502▲	16	406.40	16.94	430.21	4	25	0.17	96.00	2438.40	11.50	17.11

▲ = Make To Order (MTO)