

# Thermoplastic Flex Heavy Duty

Specifications  
January 2013

**Construction:** Heavy weight black thermoplastic rubber hose reinforced with a spring steel wire helix

**Product Features:**

- \* Suitable for more demanding positive and negative pressure applications
- \* Great moisture and UV resistance
- \* Designed for applications with wide temperature ranges
- \* Excellent chemical resistance
- \* Smooth interior assures minimal friction loss and efficient air flow

**Applications:** Abrasives, Materials.

**Temperature Range:** - 40 F to + 275 F

**Sizes I.D. (inches):** 1.25, 1.5, 2, 2.25, 2.5, 3, 3.5, 4, 4.5, 5, 6, 7, 8, 9, 10, 12, 14 and 16 Inch I.D.

**ID Tolerances:** To 8 Inch: -0.00 to + 0.125 Inch  
8 Inch and over: - 0.00 to + 0.250 Inch

**Wall Thickness:** 0.035 Inch (1.5" to 3.5"), 0.045 Inch (4" to 7.5"), 0.054" (8" and above)

**Standard Length:** 25 and 50 Feet

**Standard Colors:** Black

**End Finish:** Plain Cut

**Markets:** Abrasion Resistance, Cotton Pickers, Dust Collection, Fertilizer broadcasting, Foundry sand Transfer, Furnace Duct Cleaning, Granule Transport, Hull Sanding Equipment, Lawn & Leaf Collection, Material Handling, Oil Mist, Ozone, Peat Moss Vacuum, Plastic Bag Machines, Powder & Bulk Transfer, Sand Blasting, Sand & Gravel Suction, Shredders, Street & Parking Lot Sweepers, Suction Hose, Textile Mills, Wave Pool Blowers, Woodworking/Furniture Industries

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Size Inside Diameter (Inches)	Approximate Weight Lbs./ft.	Min Centerline Bend Radius (Inches)	Compression Ratio	Max Recommended Negative Pressure (IN./HG)	Max Recommended Positive Pressure (PSI)
1.5	0.27	2	2 to 1	29	30
2	0.34	3.29	2 to 1	29	24
2.5	0.36	3.77	2 to 1	29	19
3	0.5	4.25	2 to 1	29	16
4	0.72	4.75	2 to 1	29	12
5	0.89	5	2 to 1	16	10
6	1.05	5.25	3 to 1	8.3	9
7	1.23	6	3 to 1	5.2	8
8	1.4	6.9	3 to 1	3.4	7
10	2.12	8	3 to 1	3.4	6
12	2.5	10	3 to 1	2	5.5
14	2.7	12	3 to 1	0.72	5.2
16	3	14	3 to 1	0.5	4.6

Note: Technical data based on 2 ft. straight lengths of hose 72 F.

**Disclaimer:** The proper use and maintenance of the hose and/or duct is the sole responsibility of the purchaser and ultimate user of the product. This information is presented as a general guide only. The number of variables which can be present in any application make firm recommendations impossible. Adequate testing under actual service conditions is necessary to properly establish suitability. We take pride in the quality of all of our products and we welcome comments and suggestions from our customers.

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