



**ENGINEERING AND TECHNICAL DATA**  
**Heat-Flex® BDS**  
**March 2007**

**Construction:** Single-ply silicone coated fiberglass fabric hose reinforced with a spring steel wire helix & external filament fiberglass cord



**Product Features:**

- Suited for high temperature air handling applications
- The narrow pitch allows for tight bending radius while maintaining a smooth air flow
- Non-kinking
- Resistant to many oils & solvents, ozone, water, fungus, & alkalis
- Not recommended for continuous flexing

**Applications:** Recommended for industrial air movement and fume control applications.

**Temperature Range:** -65°F to 500°F

**Diameter Range (Inches I.D.):** 1.00-8.00 Inch I.D.

**Standard Length:** 12 Feet

**I.D. Tolerances (Inches):** -0.00 to +0.125 Inch

**Standard Color:** Iron Oxide Red

**End Finish:** Plain Cut (cuffs available)

**Markets:** •Aircraft •Automotive •Brake Ducting •Brick Kilns •Cab Ventilation •Defroster/Heater Hose  
•Dry Cleaning •Dryer Hose •Heater •High Temperature Applications •Paper Mills •Plastics Industry  
•Transmission Cooling



**A SCHAUBURG HOSE TECHNOLOGY COMPANY**

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SIZE INSIDE DIMENSION (INCHES)	APPROXIMATE WEIGHT (LBS./FT.)	MINIMUM CENTERLINE BEND RADIUS (INCHES)	COMPRESSION RATIO	MAXIMUM RECOMMENDED NEGATIVE PRESSURE (IN./HG.)	MAXIMUM RECOMMENDED POSITIVE PRESSURE (PSI)
1	.12	1.2	3:1	29	30
1.5	.15	1.5	3:1	29	30
2	.19	2	3:1	29	30
2.5	.24	2.375	3:1	29	30
3	.28	3	3:1	22	30
4	.39	3.4	3.5:1	19	27
4.5	.44	3.7	3.5:1	13	25
5	.49	4.1	3.5:1	7	21
6	.52	4.4	4.5:1	4	13

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

Disclaimer: The proper use and maintenance of hose and/or duct manufactured by Flexaust 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 Flexaust products and we welcome comments and suggestions from our customers.



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