

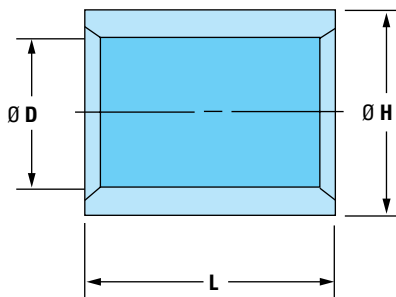
# Self-Lubricating Bushings for Guide Pins

D-M-E Self-Lubricating Bushings can save time and money in the design, construction and operation of injection molds. They are ideal for clean-room conditions or any applications where the parts being molded prohibit the use of external lubricants, such as medical, electronic and food-related products. Their built-in lubrication capability also makes them a good choice for fast-cycling, high-production molds.



## Self-Lubricating Straight Bushings – GBS

NOMINAL I.D.	Ø D <sup>+0.005</sup> / <sub>-0.000</sub>	L <sup>+0.00</sup> / <sub>-0.06</sub> LENGTH	Ø H <sup>+0.005</sup> / <sub>-0.000</sub>	ITEM NUMBER
3/4	.7505	7/8	1.1255	GBS-06-07
		1 3/8	1.1255	GBS-06-13
7/8	.8755	1 3/8	1.2505	GBS-07-13
1"	1.0005	1 3/8	1.3755	GBS-08-13
1 1/4	1.2505	1 3/8	1.6255	GBS-10-13
		1 7/8	1.6255	GBS-10-17
1 1/2	1.5005	1 3/8	2.0005	GBS-12-13
		1 7/8	2.0005	GBS-12-17
2"	2.0005	3 7/8	2.5005	GBS-16-37
2 1/2	2.5005	4 7/8	3.2505	GBS-20-47
3"	3.0005	4 7/8	3.7505	GBS-24-47



**NOTE:** These bushings are interchangeable with comparably sized D-M-E steel or bronze-plated bushings.

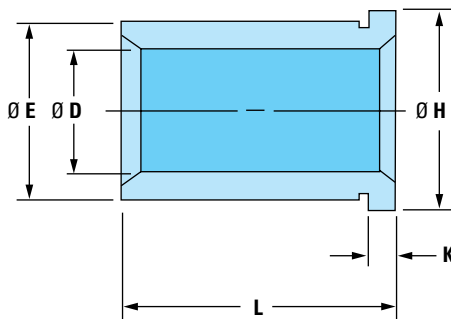
All items in stock.

- Aluminum-bronze alloy with oil-impregnated graphite plugs
- Saves design and moldmaking costs for lubrication and fittings
- Reduces wear and galling
- Lowers maintenance and repair costs
- Eliminates contamination... ideal for "clean-room" environments

## Self-Lubricating Shoulder Bushings – GBF

### General Dimensions

NOMINAL I.D.	Ø E <sup>+0.005</sup> / <sub>-0.000</sub>	Ø H <sup>+0.000</sup> / <sub>-0.030</sub>	K
3/4	1.1255	1.302	3/16
7/8	1.2505	1.427	
1"	1.3755	1.552	
1 1/4	1.6255	1.802	
1 1/2	2.0005	2.177	
2"	2.5005	2.677	
2 1/2	3.2505	3.427	
3"	3.7505	3.990	1/2



**QUANTITY DISCOUNTS:**  
Self-Lubricating Bushings. Discounts apply to current Net Prices. Any combination of pins and bushings may be mixed for quantity discounts. 16 to 27 Less 10%; 28 or more Less 15%

L LENGTH <sup>+0.00</sup> / <sub>-0.06</sub>	Ø D = 3/4 I.D.	Ø D = 7/8 I.D.	Ø D = 1" I.D.	Ø D = 1 1/4 I.D.	Ø D = 1 1/2 I.D.	Ø D = 2" I.D.	Ø D = 2 1/2 I.D.	Ø D = 3" I.D.	L LENGTH <sup>+0.00</sup> / <sub>-0.06</sub>
	.7505 <sup>+0.005</sup> / <sub>-0.000</sub>	.8755 <sup>+0.005</sup> / <sub>-0.000</sub>	1.0005 <sup>+0.005</sup> / <sub>-0.000</sub>	1.2505 <sup>+0.005</sup> / <sub>-0.000</sub>	1.5005 <sup>+0.005</sup> / <sub>-0.000</sub>	2.0005 <sup>+0.005</sup> / <sub>-0.000</sub>	2.5005 <sup>+0.005</sup> / <sub>-0.000</sub>	3.0005 <sup>+0.005</sup> / <sub>-0.000</sub>	
7/8	GBF-06-07	GBF-07-07	GBF-08-07	GBF-10-07	GBF-12-07	—	—	—	7/8
1 3/8	GBF-06-13	GBF-07-13	GBF-08-13	GBF-10-13	GBF-12-13	GBF-16-13	GBF-20-13	—	1 3/8
1 7/8	GBF-06-17	GBF-07-17	GBF-08-17	GBF-10-17	GBF-12-17	GBF-16-17	GBF-20-17	—	1 7/8
2 3/8	GBF-06-23	GBF-07-23	GBF-08-23	GBF-10-23	GBF-12-23	GBF-16-23	GBF-20-23	—	2 3/8
2 7/8	GBF-06-27	GBF-07-27	GBF-08-27	GBF-10-27	GBF-12-27	GBF-16-27	GBF-20-27	—	2 7/8
3 3/8	GBF-06-33	GBF-07-33	GBF-08-33	GBF-10-33	GBF-12-33	GBF-16-33	GBF-20-33	—	3 3/8
3 7/8	GBF-06-37	GBF-07-37	GBF-08-37	GBF-10-37	GBF-12-37	GBF-16-37	GBF-20-37	GBF-24-37	3 7/8
4 3/8	GBF-06-43	GBF-07-43	GBF-08-43	GBF-10-43	GBF-12-43	GBF-16-43	GBF-20-43	—	4 3/8
4 7/8	GBF-06-47	GBF-07-47	GBF-08-47	GBF-10-47	GBF-12-47	GBF-16-47	GBF-20-47	GBF-24-47	4 7/8
5 7/8	GBF-06-57	GBF-07-57	GBF-08-57	GBF-10-57	GBF-12-57	GBF-16-57	GBF-20-57	GBF-24-57	5 7/8
7 7/8	—	—	—	—	—	—	—	GBF-24-77	7 7/8