

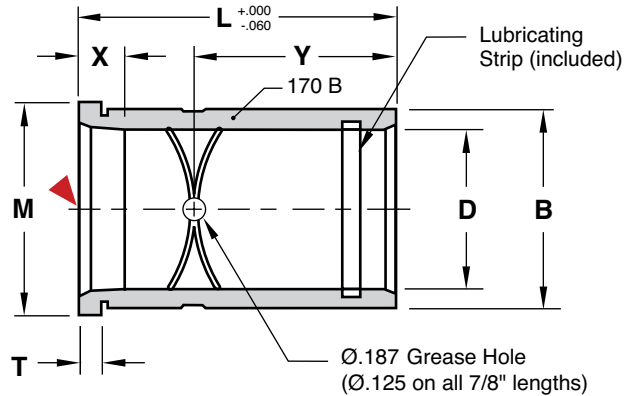
# BUSHINGS

## SHOULDER STYLE-SOLID BRONZE



### General Dimensions

NOMINAL DIAMETER	D +.0005 -.0000	B +.0005 -.0000	M +.00 -.01	T +.00 -.01
1/2	.5005	.7505	.853	.187
3/4	.7505	1.1255	1.302	.187
7/8	.8755	1.2505	1.427	.187
1	1.0005	1.3755	1.552	.187
1-1/4	1.2505	1.6255	1.802	.187
1-1/2	1.5005	2.0005	2.177	.187
2	2.0005	2.5005	2.677	.187
2-1/2	2.5005	3.2505	3.427	.187
3	3.0005	3.7505	3.990	.500



**M** CA954 Solid Bronze **H** 170 Brinell

CAD insertion point

L	D=1/2"	D=3/4"	D=7/8"	D=1"	D=1-1/4"	D=1-1/2"	D=2"	D=2-1/2"	D=3"
7/8	SAB50L.87	SAB75L.87	SAB87L.87	SAB100L.87	SAB125L.87	SAB150L.87	—	—	—
1-3/8	SAB50L1.37	SAB75L1.37	SAB87L1.37	SAB100L1.37	SAB125L1.37	SAB150L1.37	SAB200L1.37	SAB250L1.37	—
1-7/8	SAB50L1.87	SAB75L1.87	SAB87L1.87	SAB100L1.87	SAB125L1.87	SAB150L1.87	SAB200L1.87	SAB250L1.87	—
2-3/8	SAB50L2.37	SAB75L2.37	SAB87L2.37	SAB100L2.37	SAB125L2.37	SAB150L2.37	SAB200L2.37	SAB250L2.37	—
2-7/8	—	SAB75L2.87	SAB87L2.87	SAB100L2.87	SAB125L2.87	SAB150L2.87	SAB200L2.87	SAB250L2.87	—
3-3/8	—	SAB75L3.37	SAB87L3.37	SAB100L3.37	SAB125L3.37	SAB150L3.37	SAB200L3.37	SAB250L3.37	—
3-7/8	—	SAB75L3.87	SAB87L3.87	SAB100L3.87	SAB125L3.87	SAB150L3.87	SAB200L3.87	SAB250L3.87	SAB300L3.87
4-3/8	—	SAB75L4.37	SAB87L4.37	SAB100L4.37	SAB125L4.37	SAB150L4.37	SAB200L4.37	SAB250L4.37	—
4-7/8	—	SAB75L4.87	SAB87L4.87	SAB100L4.87	SAB125L4.87	SAB150L4.87	SAB200L4.87	SAB250L4.87	SAB300L4.87
5-7/8	—	SAB75L5.87	SAB87L5.87	SAB100L5.87	SAB125L5.87	SAB150L5.87	SAB200L5.87	SAB250L5.87	SAB300L5.87
7-7/8	—	—	—	—	—	—	—	—	SAB300L7.87

### Grease Hole and Clearance Dimensions

L	D=1/2- 7/8"		D=1"		D=1-1/4"		D=1-1/2"		D=2"		D=2-1/2- 3"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
7/8	—	.43	—	.43	—	.43	—	.43	—	—	—	—
1-3/8	—	.62	—	.62	—	.62	—	.62	—	.62	—	.62
1-7/8	—	.62	—	.62	—	.62	—	.62	—	.62	—	.62
2-3/8	.50	.81	—	.81	—	.81	—	.81	—	.81	—	.81
2-7/8	.50	.81	.50	.81	—	.81	—	.81	—	.81	—	.81
3-3/8	1.00	.81	.50	.81	.50	.81	—	.81	—	.81	—	.81
3-7/8	1.00	.81	.50	.81	.50	.81	.50	.81	—	.81	—	.81
4-3/8	1.50	.81	1.00	.81	1.00	.81	.50	.81	—	.81	—	.81
4-7/8	1.50	.81	1.00	.81	1.00	.81	1.00	.81	.50	1.31	—	1.31
5-7/8	2.00	.81	1.50	.81	1.50	.81	1.50	.81	1.00	1.31	.50	1.31
7-7/8	—	—	—	—	—	—	—	—	—	—	.50	1.31

Note: To order replacement lubricating strips, specify the prefix "BSHSTRP" with the inner diameter. Ex: BSHSTRP-125.



# BUSHINGS SHOULDER STYLE

## BRONZE PLATED SHOULDER BUSHINGS

**M** AISI 1026 **H** 22-28 HRC **S** Bronze Plated: .004" Deep

- Bronze plated shoulder bushings have internal grease grooves. Grease entry hole to be machined by mold maker.
- The bearing of the inner diameter is through, where the clearance "X" on page B-12 does not apply.
- Not available in 1/2" diameter.

**To Order:** Specify "SHB" in the prefix to replace "SAB" in the chart on the previous page.  
Example: SHB200L2.37 for 2" ID x 2.37 long bushings.



## GRAPHITE PLUGGED SHOULDER BUSHINGS

**M** CA954 with oil impregnated graphite plugs **H** 170 Brinell

- Graphite plugs are not compatible with grease. Use a light 20 weight oil at startup to begin lubrication.
- The bearing of the inner diameter is through, where the clearance "X" on page B-12 does not apply.
- Not available in 1/2" diameter.

**To Order:** Specify "SGP" in the prefix to replace "SAB" in the chart on the previous page.  
Example: SGP200L2.37 for 2" ID x 2.37 long bushings.



## STEEL SHOULDER BUSHINGS

**M** AISI 1117 **H** 58-62 HRC

- Steel (hardened) shoulder bushings have internal grease grooves. Grease entry hole to be machined by mold maker.
- The bearing of the inner diameter is 2 x the ID, where the clearance "X" on page B-12 does not apply.
- Steel Bushings are available with Black Nitride treatment. Refer to page B-11.

**To Order:** Specify "STL" in the prefix to replace "SAB" in the chart on the previous page.  
Example: STL200L2.37 for 2" ID x 2.37 long bushings.



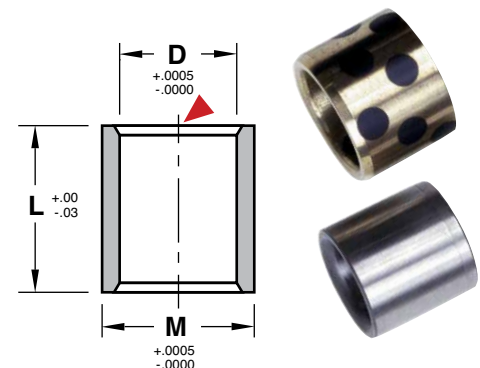
**M** Non-Plated Steel: AISI 1117 **H** 58-62 HRC

**M** Graphite Plugged: CA954 **H** 170 Brinell

CAD insertion point

NOMINAL DIAMETER	D +.0005 -.0000	M +.0005 -.0000	L +.00 -.03	CATALOG NUMBER STANDARD STEEL	CATALOG NUMBER GRAPHITE PLUGGED
1/2	.5005	.7505	7/8 1-3/8	STB50L.87 STB50L1.37	— —
3/4	.7505	1.1255	7/8 1-3/8	STB75L.87 STB75L1.37	STGP75L.87 STGP75L1.37
7/8	.8755	1.2505	1-3/8 1-1/2	STB87L1.37 —	— STGP87L1.50
1	1.0005	1.3755	1-3/8	STB100L1.37	STGP100L1.37
1-1/4	1.2505	1.6255	1-3/8 1-7/8	STB125L1.37 STB125L1.87	STGP125L1.37 STGP125L1.87
1-1/2	1.5005	2.0005	1-3/8 1-7/8	STB150L1.37 STB150L1.87	STGP150L1.37 STGP150L1.87
2	2.0005	2.5005	3-7/8	STB200L3.87	STGP200L3.87
2-1/2	2.5005	3.2505	4-7/8	STB250L4.87	STGP250L4.87

## STRAIGHT STYLE



Using grease will inhibit the function of the graphite plugs. Instead, use a light 20 weight oil at startup to begin lubrication.