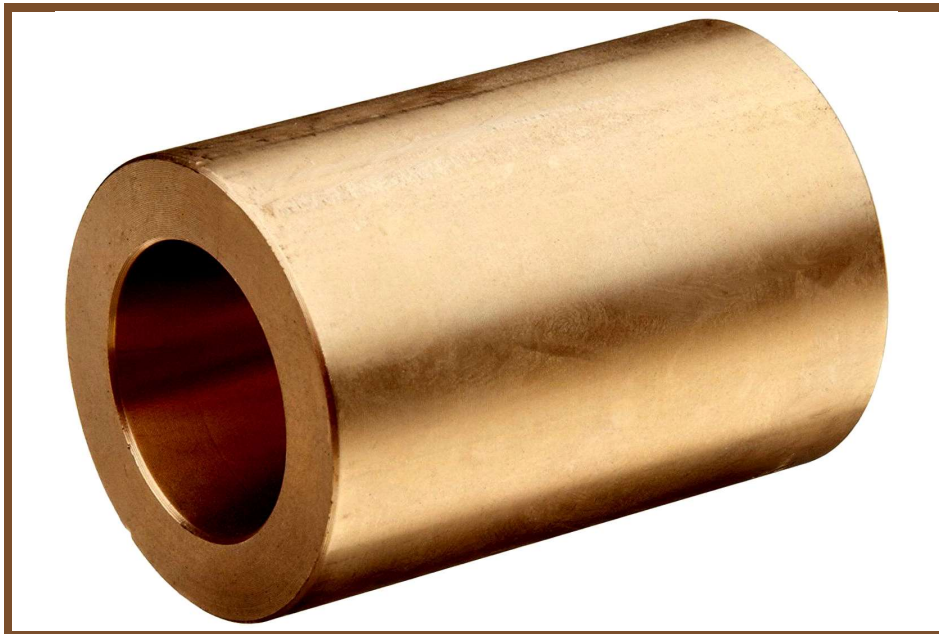


MBA

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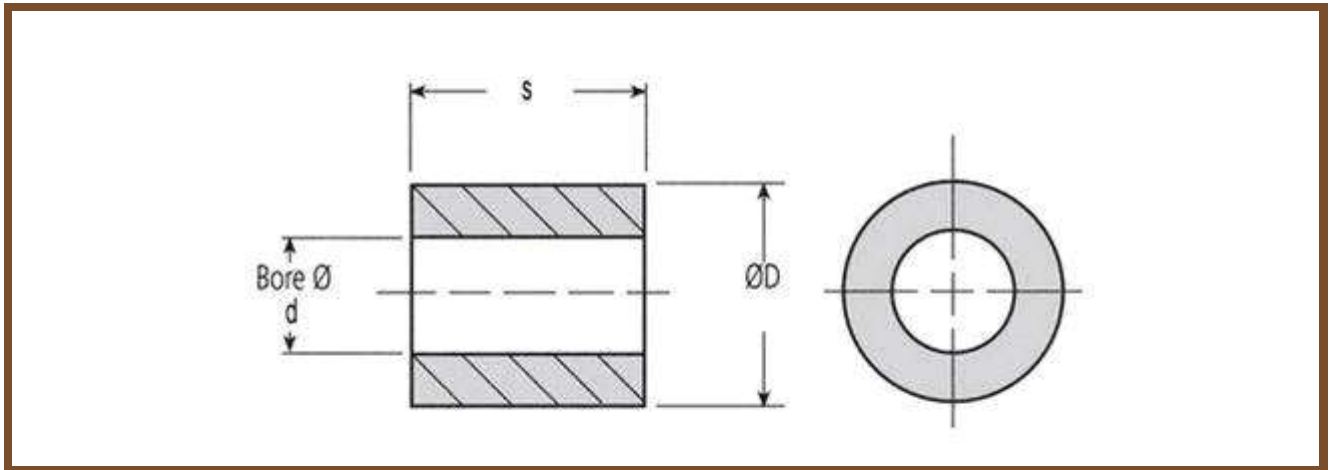
Solid Bronze Bushes

Includes cross reference to Fraser/Flocast part numbers



To find and order parts online, simply type the part number from this catalogue into the search box on any web page.

Diagram



Leaded Bronze - Continuous Cast
Grades C83600 (LG2) and C93200.

Material Composition (Approx.)

Tin: LG2 5%, C93200 7%

Zinc: LG2 5%, C93200 4%

Lead: LG2 5%, C93200 6%

Nickel: 2%

Copper: Balance

Hardness

LG2: 60HB, C93200 70HB

Breaking Load: LG2 220N/mm², C93200 270N/mm²

Elongation: 16%

Elastic Modulus: LG2 65-105 KN/mm², C93200 98-115 KN/mm²

Elastic Limit: LG2 90N/mm², C93200 120N/mm²

Tips shown at back of catalogue

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
6.350 x 9.525 mm (0.250 x 0.375 in.)					
6.350	9.525	9.525		BP0064-0095-0095-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
6.350	9.525	12.700		BP0064-0095-0127-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
6.350	9.525	19.050		BP0064-0095-0191-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
6.350	9.525	25.400		BP0064-0095-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
6.350	9.525	31.750		BP0064-0095-0318-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
7.938 x 11.113 mm (0.313 x 0.438 in.)					
7.938	11.113	19.050	FB3	BP0079-0111-0191-BLG	Available While Stocks Last then Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
7.938	11.113	25.400	FB4	BP0079-0111-0254-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
7.938 x 12.700 mm (0.313 x 0.500 in.)					
7.938	12.700	19.050		BP0079-0127-0191-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
7.938	12.700	25.400		BP0079-0127-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
7.938	12.700	31.750		BP0079-0127-0318-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
8.000 x 10.000 mm (0.315 x 0.394 in.)					
8.000	10.000	10.000	FB9000	BP0080-0100-0100-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
8.000	10.000	20.000	FB9001	BP0080-0100-0200-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
8.000	10.000	30.000	FB9002	BP0080-0100-0300-BLG	Available While Stocks Last then Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
8.000	10.000	40.000	FB9003	BP0080-0100-0400-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
8.000 x 12.000 mm (0.315 x 0.472 in.)					
8.000	12.000	10.000	FB9010	BP0080-0120-0100-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
8.000	12.000	20.000	FB9011	BP0080-0120-0200-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
8.000	12.000	30.000	FB9012	BP0080-0120-0300-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
8.000	12.000	40.000	FB9013	BP0080-0120-0400-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
9.000 x 12.000 mm (0.354 x 0.472 in.)					
9.000	12.000	4.000		** BP0090-0120-0040-BLG	Available While Stocks Last then Special Order
+/-0.0254	-0.0200/-0.1000	+/-0.127			
9.525 x 12.700 mm (0.375 x 0.500 in.)					
9.525	12.700	12.700		BP0095-0127-0127-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
9.525	12.700	15.880		* BP0095-0127-0159-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
9.525	12.700	19.050	FB10	BP0095-0127-0191-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
9.525	12.700	25.400	FB11	BP0095-0127-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
9.525	12.700	31.750		BP0095-0127-0318-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
9.525	12.700	38.100	FB13	BP0095-0127-0381-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
9.525	12.700	50.800	FB12	* BP0095-0127-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
9.525 x 14.288 mm (0.375 x 0.563 in.)					
9.525	14.288	25.400		BP0095-0143-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
9.525 x 15.875 mm (0.375 x 0.625 in.)					
9.525	15.875	19.050		BP0095-0159-0191-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
9.525	15.875	25.400		BP0095-0159-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
10.000 x 12.000 mm (0.394 x 0.472 in.)					
10.000	12.000	20.000	FB9020	BP0100-0120-0200-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
10.000	12.000	30.000	FB9021	BP0100-0120-0300-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
10.000	12.000	40.000	FB9022	BP0100-0120-0400-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
10.000 x 16.000 mm (0.394 x 0.630 in.)					
10.000	16.000	20.000	FB9030	BP0100-0160-0200-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
10.000	16.000	30.000	FB9031	BP0100-0160-0300-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
10.000	16.000	40.000	FB9032	BP0100-0160-0400-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
10.000	16.000	50.000	FB9033	BP0100-0160-0500-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113 x 14.288 mm (0.438 x 0.563 in.)					
11.113	14.288	19.050	FB19	** BP0111-0143-0191-BLG	Available While Stocks Last then Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113	14.288	25.400	FB20	BP0111-0143-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
11.113	14.288	38.100	FB22	BP0111-0143-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113	14.288	50.800	FB25	BP0111-0143-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113 x 15.875 mm (0.438 x 0.625 in.)					
11.113	15.875	25.400	FB36	BP0111-0159-0254-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113	15.875	38.100	FB27	BP0111-0159-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113	15.875	50.800	FB29	BP0111-0159-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113 x 17.463 mm (0.438 x 0.688 in.)					
11.113	17.463	25.400	FB39	* BP0111-0175-0254-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113	17.463	38.100	FB30	BP0111-0175-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
11.113	17.463	50.800	FB32	* BP0111-0175-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
12.000 x 16.000 mm (0.472 x 0.630 in.)					
12.000	16.000	20.000	FB9040	BP0120-0160-0200-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
12.000	16.000	30.000	FB9041	BP0120-0160-0300-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
12.000	16.000	40.000	FB9042	BP0120-0160-0400-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
12.000	16.000	50.000	FB9043	BP0120-0160-0500-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
12.000 x 20.000 mm (0.472 x 0.787 in.)					
12.000	20.000	20.000		BP0120-0200-0200-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
12.000	20.000	30.000	FB9051	BP0120-0200-0300-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
12.000	20.000	40.000	FB9052	BP0120-0200-0400-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
12.000	20.000	50.000	FB9053	BP0120-0200-0500-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
12.700 x 14.288 mm (0.500 x 0.563 in.)					
12.700 +/-0.0254	14.288 +0.0508/+0.0762	38.100 +/-0.127	FB100	* BP0127-0143-0381-BC9	Special Order
12.700 x 15.875 mm (0.500 x 0.625 in.)					
12.700 +/-0.0254	15.875 +0.051/+0.076	15.875 +/-0.127		BP0127-0159-0159-BC9	
12.700 +/-0.0254	15.875 +0.051/+0.076	19.050 +/-0.127	FB101	BP0127-0159-0191-BC9	
12.700 +/-0.0254	15.875 +0.051/+0.076	25.400 +/-0.127	FB102	BP0127-0159-0254-BC9	
12.700 +/-0.0254	15.875 +0.051/+0.076	31.750 +/-0.127	FB103	BP0127-0159-0318-BC9	
12.700 +/-0.0254	15.875 +0.051/+0.076	38.100 +/-0.127	FB104	BP0127-0159-0381-BC9	
12.700 +/-0.0254	15.875 +0.051/+0.076	50.800 +/-0.127	FB106	BP0127-0159-0508-BC9	
12.700 x 17.463 mm (0.500 x 0.688 in.)					
12.700 +/-0.0254	17.463 +0.0508/+0.0762	25.400 +/-0.127	FB107	BP0127-0175-0254-BC9	Special Order
12.700 +/-0.0254	17.463 +0.0508/+0.0762	38.100 +/-0.127	FB110	BP0127-0175-0381-BC9	Special Order
12.700 +/-0.0254	17.463 +0.0508/+0.0762	50.800 +/-0.127	FB112	BP0127-0175-0508-BC9	Special Order
12.700 x 19.050 mm (0.500 x 0.750 in.)					
12.700 +/-0.0254	19.050 +0.051/+0.076	19.050 +/-0.127	FB99	BP0127-0191-0191-BC9	
12.700 +/-0.0254	19.050 +0.051/+0.076	25.400 +/-0.127	FB113	BP0127-0191-0254-BC9	
12.700 +/-0.0254	19.050 +0.051/+0.076	31.750 +/-0.127		BP0127-0191-0318-BC9	
12.700 +/-0.0254	19.050 +0.051/+0.076	38.100 +/-0.127	FB115	BP0127-0191-0381-BC9	
12.700 +/-0.0254	19.050 +0.0508/+0.0762	44.450 +/-0.127	FB116	BP0127-0191-0445-BC9	Special Order
12.700 +/-0.0254	19.050 +0.051/+0.076	50.800 +/-0.127	FB117	BP0127-0191-0508-BC9	
12.700 +/-0.0254	19.050 +0.0508/+0.0762	63.500 +/-0.127	FB119	BP0127-0191-0635-BC9	Special Order
12.700 x 22.225 mm (0.500 x 0.875 in.)					
12.700 +/-0.0254	22.225 +0.0508/+0.0762	38.100 +/-0.127	FB120	BP0127-0222-0381-BC9	Special Order
12.700 +/-0.0254	22.225 +0.0508/+0.0762	50.800 +/-0.127	FB121	BP0127-0222-0508-BC9	Special Order
12.700 x 25.400 mm (0.500 x 1.000 in.)					
12.700 +/-0.0254	25.400 +0.0508/+0.0762	50.800 +/-0.127	FB122	BP0127-0254-0508-BC9	Special Order
14.288 x 17.463 mm (0.563 x 0.688 in.)					
14.288 +/-0.0254	17.463 +0.0508/+0.0762	25.400 +/-0.127	FB200	BP0143-0175-0254-BC9	Special Order
14.288 +/-0.0254	17.463 +0.0508/+0.0762	38.100 +/-0.127	FB203	BP0143-0175-0381-BC9	Special Order
14.288 +/-0.0254	17.463 +0.0508/+0.0762	44.450 +/-0.127	FB206	BP0143-0175-0445-BC9	Special Order
14.288 +/-0.0254	17.463 +0.0508/+0.0762	50.800 +/-0.127	FB207	BP0143-0175-0508-BC9	Special Order
14.288 x 19.050 mm (0.563 x 0.750 in.)					
14.288 +/-0.0254	19.050 +0.0508/+0.0762	25.400 +/-0.127	FB210	BP0143-0191-0254-BC9	Special Order
14.288 +/-0.0254	19.050 +0.051/+0.076	31.750 +/-0.127		BP0143-0191-0318-BC9	
14.288 +/-0.0254	19.050 +0.0508/+0.0762	38.100 +/-0.127	FB214	BP0143-0191-0381-BC9	Special Order
14.288 +/-0.0254	19.050 +0.0508/+0.0762	44.450 +/-0.127	FB216	BP0143-0191-0445-BC9	Special Order



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
14.288 x 19.050 mm		<i>(0.563 x 0.750 in.)</i>			
14.288	19.050	50.800	FB217	BP0143-0191-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288	19.050	57.150	FB212	BP0143-0191-0572-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288	19.050	63.500	FB220	BP0143-0191-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288 x 20.638 mm		<i>(0.563 x 0.813 in.)</i>			
14.288	20.638	25.400	FB236	BP0143-0206-0254-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288	20.638	38.100	FB222	BP0143-0206-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288	20.638	50.800	FB224	BP0143-0206-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288 x 22.225 mm		<i>(0.563 x 0.875 in.)</i>			
14.288	22.225	25.400	FB237	BP0143-0222-0254-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288	22.225	38.100	FB227	BP0143-0222-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288	22.225	44.450	FB228	* BP0143-0222-0445-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288 x 25.400 mm		<i>(0.563 x 1.000 in.)</i>			
14.288	25.400	38.100	FB231	* BP0143-0254-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
14.288	25.400	50.800	FB232	* BP0143-0254-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875 x 17.463 mm		<i>(0.625 x 0.688 in.)</i>			
15.875	17.463	38.100	FB301	* BP0159-0175-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875	17.463	50.800	FB302	* BP0159-0175-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875 x 19.050 mm		<i>(0.625 x 0.750 in.)</i>			
15.875	19.050	12.700		BP0159-0191-0127-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
15.875	19.050	19.050	FB303	BP0159-0191-0191-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
15.875	19.050	25.400	FB304	BP0159-0191-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
15.875	19.050	31.750	FB305	BP0159-0191-0318-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
15.875	19.050	38.100	FB307	BP0159-0191-0381-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
15.875	19.050	44.450	FB308	BP0159-0191-0445-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
15.875	19.050	50.800	FB309	BP0159-0191-0508-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
15.875	19.050	57.150	FB310	BP0159-0191-0572-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875	19.050	63.500	FB311	BP0159-0191-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875	19.050	76.200	FB312	BP0159-0191-0762-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875 x 20.638 mm		<i>(0.625 x 0.813 in.)</i>			
15.875	20.638	25.400	FB313	BP0159-0206-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
15.875	20.638	38.100	FB315	* BP0159-0206-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875	20.638	50.800	FB317	** BP0159-0206-0508-BLG	Available While Stocks Last then Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875	20.638	63.500	FB319	* BP0159-0206-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
15.875 x 22.225 mm		<i>(0.625 x 0.875 in.)</i>			
15.875	22.225	19.050	FB321	BP0159-0222-0191-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
15.875 x 22.225 mm (0.625 x 0.875 in.)					
15.875 +/-0.0254	22.225 +0.051/+0.076	25.400 +/-0.127	FB322	BP0159-0222-0254-BC9	
15.875 +/-0.0254	22.225 +0.0508/+0.0762	31.750 +/-0.127	FB324	* BP0159-0222-0318-BC9	Special Order
15.875 +/-0.0254	22.225 +0.0508/+0.0762	38.100 +/-0.127	FB325	* BP0159-0222-0381-BC9	Special Order
15.875 +/-0.0254	22.225 +0.0508/+0.0762	44.450 +/-0.127	FB326	* BP0159-0222-0445-BC9	Special Order
15.875 +/-0.0254	22.225 +0.0508/+0.0762	50.800 +/-0.127	FB328	* BP0159-0222-0508-BC9	Special Order
15.875 +/-0.0254	22.225 +0.0508/+0.0762	57.150 +/-0.127	FB329	* BP0159-0222-0572-BC9	Special Order
15.875 +/-0.0254	22.225 +0.0508/+0.0762	63.500 +/-0.127	FB330	* BP0159-0222-0635-BC9	Special Order
15.875 +/-0.0254	22.225 +0.0508/+0.0762	76.200 +/-0.127	FB331	* BP0159-0222-0762-BC9	Special Order
15.875 x 25.400 mm (0.625 x 1.000 in.)					
15.875 +/-0.0254	25.400 +0.051/+0.076	25.400 +/-0.127		BP0159-0254-0254-BC9	
15.875 +/-0.0254	25.400 +0.0508/+0.0762	31.750 +/-0.127	FB334	** BP0159-0254-0318-BLG	Available While Stocks Last then Special Order
15.875 +/-0.0254	25.400 +0.051/+0.076	50.800 +/-0.127	FB335	BP0159-0254-0508-BC9	
15.875 +/-0.0254	25.400 +0.0508/+0.0762	63.500 +/-0.127	FB337	* BP0159-0254-0635-BC9	Special Order
15.875 x 28.575 mm (0.625 x 1.125 in.)					
15.875 +/-0.0254	28.575 +0.051/+0.076	38.100 +/-0.127		BP0159-0286-0381-BC9	
16.000 x 20.000 mm (0.630 x 0.787 in.)					
16.000 +/-0.0254	20.000 +0.0508/+0.0762	20.000 +/-0.127	FB9060	BP0160-0200-0200-BC9	
16.000 +/-0.0254	20.000 +0.0508/+0.0762	30.000 +/-0.127	FB9061	BP0160-0200-0300-BC9	
16.000 +/-0.0254	20.000 +0.0508/+0.0762	40.000 +/-0.127	FB9062	* BP0160-0200-0400-BC9	Special Order
16.000 +/-0.0254	20.000 +0.0508/+0.0762	50.000 +/-0.127	FB9063	* BP0160-0200-0500-BC9	Special Order
16.000 +/-0.0254	20.000 +0.0508/+0.0762	60.000 +/-0.127	FB9064	* BP0160-0200-0600-BC9	Special Order
16.000 x 24.000 mm (0.630 x 0.945 in.)					
16.000 +/-0.0254	24.000 +0.0508/+0.0762	30.000 +/-0.127	FB9070	* BP0160-0240-0300-BC9	Special Order
16.000 +/-0.0254	24.000 +0.0508/+0.0762	50.000 +/-0.127	FB9072	* BP0160-0240-0500-BC9	Special Order
16.000 +/-0.0254	24.000 +0.0508/+0.0762	60.000 +/-0.127	FB9073	* BP0160-0240-0600-BC9	Special Order
16.000 +/-0.0254	24.000 +0.0508/+0.0762	80.000 +/-0.127	FB9074	* BP0160-0240-0800-BC9	Special Order
17.463 x 20.638 mm (0.688 x 0.813 in.)					
17.463 +/-0.0254	20.638 +0.0508/+0.0762	25.400 +/-0.127	FB400	* BP0175-0206-0254-BC9	Special Order
17.463 +/-0.0254	20.638 +0.0508/+0.0762	38.100 +/-0.127	FB401	** BP0175-0206-0381-BLG	Available While Stocks Last then Special Order
17.463 +/-0.0254	20.638 +0.0508/+0.0762	50.800 +/-0.127	FB403	* BP0175-0206-0508-BC9	Special Order
17.463 x 22.225 mm (0.688 x 0.875 in.)					
17.463 +/-0.0254	22.225 +0.0508/+0.0762	25.400 +/-0.127	FB406	* BP0175-0222-0254-BC9	Special Order
17.463 +/-0.0254	22.225 +0.0508/+0.0762	50.800 +/-0.127	FB409	* BP0175-0222-0508-BC9	Special Order
17.463 x 23.813 mm (0.688 x 0.938 in.)					
17.463 +/-0.0254	23.813 +0.0508/+0.0762	25.400 +/-0.127	FB412	* BP0175-0238-0254-BC9	Special Order



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
17.463 x 23.813 mm		<i>(0.688 x 0.938 in.)</i>			
17.463	23.813	38.100	FB413	* BP0175-0238-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
17.463	23.813	50.800	FB415	* BP0175-0238-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
17.463 x 25.400 mm		<i>(0.688 x 1.000 in.)</i>			
17.463	25.400	50.800	FB418	* BP0175-0254-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050 x 20.638 mm		<i>(0.750 x 0.813 in.)</i>			
19.050	20.638	38.100	FB500	* BP0191-0206-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050 x 22.225 mm		<i>(0.750 x 0.875 in.)</i>			
19.050	22.225	19.050	FB501	BP0191-0222-0191-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	22.225	25.400	FB502	BP0191-0222-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	22.225	31.750	FB504	BP0191-0222-0318-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	22.225	38.100	FB505	BP0191-0222-0381-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	22.225	50.800	FB507	* BP0191-0222-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	22.225	63.500	FB510	* BP0191-0222-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050 x 23.813 mm		<i>(0.750 x 0.938 in.)</i>			
19.050	23.813	25.400	FB511	* BP0191-0238-0254-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	23.813	38.100	FB515	* BP0191-0238-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	23.813	50.800	FB518	* BP0191-0238-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	23.813	57.150	FB519	* BP0191-0238-0572-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	23.813	63.500	FB520	* BP0191-0238-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050 x 25.400 mm		<i>(0.750 x 1.000 in.)</i>			
19.050	25.400	19.050	FB490	BP0191-0254-0191-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	25.400	25.400	FB522	BP0191-0254-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	25.400	28.575		BP0191-0254-0286-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	25.400	31.750	FB523	BP0191-0254-0318-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	25.400	38.100	FB524	BP0191-0254-0381-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	25.400	44.450	FB525	* BP0191-0254-0445-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	25.400	50.800	FB526	BP0191-0254-0508-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	25.400	57.150	FB528	BP0191-0254-0572-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
19.050	25.400	63.500	FB529	* BP0191-0254-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	25.400	76.200	FB530	* BP0191-0254-0762-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050 x 26.988 mm		<i>(0.750 x 1.063 in.)</i>			
19.050	26.988	50.800	FB531	* BP0191-0270-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	26.988	63.500	FB532	* BP0191-0270-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050 x 28.575 mm		<i>(0.750 x 1.125 in.)</i>			
19.050	28.575	38.100	FB533	BP0191-0286-0381-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

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ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
19.050 x 28.575 mm (0.750 x 1.125 in.)					
19.050	28.575	50.800	FB534	* BP0191-0286-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	28.575	63.500	FB536	* BP0191-0286-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050	28.575	76.200	FB537	* BP0191-0286-0762-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
19.050 x 31.750 mm (0.750 x 1.250 in.)					
19.050	31.750	63.500	FB538	* BP0191-0318-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000 x 24.000 mm (0.787 x 0.945 in.)					
20.000	24.000	30.000	FB9080	* BP0200-0240-0300-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000	24.000	40.000	FB9081	* BP0200-0240-0400-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000	24.000	50.000	FB9082	* BP0200-0240-0500-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000	24.000	60.000	FB9083	* BP0200-0240-0600-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000	24.000	80.000	FB9084	* BP0200-0240-0800-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000 x 30.000 mm (0.787 x 1.181 in.)					
20.000	30.000	30.000	FB9090	* BP0200-0300-0300-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000	30.000	40.000	FB9091	* BP0200-0300-0400-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000	30.000	50.000	FB9092	* BP0200-0300-0500-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000	30.000	60.000	FB9093	* BP0200-0300-0600-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.000	30.000	80.000	FB9094	* BP0200-0300-0800-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.638 x 23.813 mm (0.813 x 0.938 in.)					
20.638	23.813	25.400	FB600	* BP0206-0238-0254-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.638 x 25.400 mm (0.813 x 1.000 in.)					
20.638	25.400	38.100	FB605	* BP0206-0254-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.638	25.400	50.800	FB606	* BP0206-0254-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.638	25.400	63.500	FB607	* BP0206-0254-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.638 x 26.988 mm (0.813 x 1.063 in.)					
20.638	26.988	50.800	FB608	* BP0206-0270-0508-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.638	26.988	63.500	FB610	* BP0206-0270-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
20.638	26.988	76.200	FB612	* BP0206-0270-0762-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
22.225 x 25.400 mm (0.875 x 1.000 in.)					
22.225	25.400	25.400	FB700	BP0222-0254-0254-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
22.225	25.400	31.750	FB702	* BP0222-0254-0318-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
22.225	25.400	38.100	FB703	* BP0222-0254-0381-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
22.225	25.400	50.800	FB705	BP0222-0254-0508-BC9	
+/-0.0254	+0.051/+0.076	+/-0.127			
22.225	25.400	63.500	FB707	* BP0222-0254-0635-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			
22.225	25.400	76.200	FB708	* BP0222-0254-0762-BC9	Special Order
+/-0.0254	+0.0508/+0.0762	+/-0.127			



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
22.225 x 26.988 mm (0.875 x 1.063 in.)					
22.225 +/-0.0254	26.988 +0.0508/+0.0762	25.400 +/-0.127	FB709	* BP0222-0270-0254-BC9	Special Order
22.225 +/-0.0254	26.988 +0.0508/+0.0762	38.100 +/-0.127	FB711	* BP0222-0270-0381-BC9	Special Order
22.225 +/-0.0254	26.988 +0.0508/+0.0762	50.800 +/-0.127	FB713	* BP0222-0270-0508-BC9	Special Order
22.225 +/-0.0254	26.988 +0.0508/+0.0762	63.500 +/-0.127	FB715	* BP0222-0270-0635-BC9	Special Order
22.225 x 28.575 mm (0.875 x 1.125 in.)					
22.225 +/-0.0254	28.575 +0.0508/+0.0762	31.750 +/-0.127	FB717	* BP0222-0286-0318-BC9	Special Order
22.225 +/-0.0254	28.575 +0.0508/+0.0762	38.100 +/-0.127	FB718	* BP0222-0286-0381-BC9	Special Order
22.225 +/-0.0254	28.575 +0.0508/+0.0762	50.800 +/-0.127	FB720	* BP0222-0286-0508-BC9	Special Order
22.225 +/-0.0254	28.575 +0.0508/+0.0762	57.150 +/-0.127	FB721	* BP0222-0286-0572-BC9	Special Order
22.225 +/-0.0254	28.575 +0.0508/+0.0762	63.500 +/-0.127	FB722	* BP0222-0286-0635-BC9	Special Order
22.225 +/-0.0254	28.575 +0.0508/+0.0762	76.200 +/-0.127	FB723	* BP0222-0286-0762-BC9	Special Order
22.225 x 31.750 mm (0.875 x 1.250 in.)					
22.225 +/-0.0254	31.750 +0.0508/+0.0762	38.100 +/-0.127	FB725	* BP0222-0318-0381-BC9	Special Order
22.225 +/-0.0254	31.750 +0.0508/+0.0762	50.800 +/-0.127	FB726	* BP0222-0318-0508-BC9	Special Order
22.225 +/-0.0254	31.750 +0.0508/+0.0762	63.500 +/-0.127	FB728	* BP0222-0318-0635-BC9	Special Order
22.225 +/-0.0254	31.750 +0.0508/+0.0762	76.200 +/-0.127	FB729	* BP0222-0318-0762-BC9	Special Order
22.225 x 34.925 mm (0.875 x 1.375 in.)					
22.225 +/-0.0254	34.925 +0.0508/+0.0762	76.200 +/-0.127	FB730	* BP0222-0349-0762-BC9	Special Order
23.813 x 26.988 mm (0.938 x 1.063 in.)					
23.813 +/-0.0254	26.988 +0.0508/+0.0762	38.100 +/-0.127	FB731	* BP0238-0270-0381-BC9	Special Order
23.813 +/-0.0254	26.988 +0.0508/+0.0762	50.800 +/-0.127	FB732	* BP0238-0270-0508-BC9	Special Order
23.813 +/-0.0254	26.988 +0.0508/+0.0762	63.500 +/-0.127	FB733	* BP0238-0270-0635-BC9	Special Order
23.813 x 28.575 mm (0.938 x 1.125 in.)					
23.813 +/-0.0254	28.575 +0.0508/+0.0762	31.750 +/-0.127	FB734	* BP0238-0286-0318-BC9	Special Order
23.813 +/-0.0254	28.575 +0.0508/+0.0762	57.150 +/-0.127	FB735	* BP0238-0286-0572-BC9	Special Order
23.813 +/-0.0254	28.575 +0.0508/+0.0762	76.200 +/-0.127	FB736	* BP0238-0286-0762-BC9	Special Order
23.813 x 30.163 mm (0.938 x 1.188 in.)					
23.813 +/-0.0254	30.163 +0.0508/+0.0762	50.800 +/-0.127	FB738	* BP0238-0302-0508-BC9	Special Order
25.000 x 30.000 mm (0.984 x 1.181 in.)					
25.000 +/-0.0254	30.000 +0.0508/+0.0762	30.000 +/-0.127	FB9100	* BP0250-0300-0300-BC9	Special Order
25.000 +/-0.0254	30.000 +0.0508/+0.0762	40.000 +/-0.127	FB9101	* BP0250-0300-0400-BC9	Special Order
25.000 +/-0.0254	30.000 +0.0508/+0.0762	50.000 +/-0.127	FB9102	* BP0250-0300-0500-BC9	Special Order
25.000 +/-0.0254	30.000 +0.0508/+0.0762	60.000 +/-0.127	FB9103	* BP0250-0300-0600-BC9	Special Order
25.000 +/-0.0254	30.000 +0.0508/+0.0762	80.000 +/-0.127	FB9104	* BP0250-0300-0800-BC9	Special Order
25.000 +/-0.0254	30.000 +0.0508/+0.0762	100.000 +/-0.127	FB9105	* BP0250-0300-1000-BC9	Special Order



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
25.000 x 35.000 mm		<i>(0.984 x 1.378 in.)</i>			
25.000 +/-0.0254	35.000 +0.0508/+0.0762	30.000 +/-0.127	FB9110	* BP0250-0350-0300-BC9	Special Order
25.000 +/-0.0254	35.000 +0.0508/+0.0762	40.000 +/-0.127	FB9111	* BP0250-0350-0400-BC9	Special Order
25.000 +/-0.0254	35.000 +0.0508/+0.0762	50.000 +/-0.127	FB9112	BP0250-0350-0500-BC9	
25.000 +/-0.0254	35.000 +0.0508/+0.0762	60.000 +/-0.127	FB9113	* BP0250-0350-0600-BC9	Special Order
25.000 +/-0.0254	35.000 +0.0508/+0.0762	80.000 +/-0.127	FB9114	* BP0250-0350-0800-BC9	Special Order
25.000 +/-0.0254	35.000 +0.0508/+0.0762	100.000 +/-0.127	FB9445	* BP0250-0350-1000-BC9	Special Order
25.400 x 26.988 mm		<i>(1.000 x 1.063 in.)</i>			
25.400 +/-0.0254	26.988 +0.0508/+0.0762	38.100 +/-0.127	FB800	* BP0254-0270-0381-BC9	Special Order
25.400 x 28.575 mm		<i>(1.000 x 1.125 in.)</i>			
25.400 +/-0.0254	28.575 +0.051/+0.076	25.400 +/-0.127	FB801	BP0254-0286-0254-BC9	
25.400 +/-0.0254	28.575 +0.0508/+0.0762	31.750 +/-0.127	FB802	* BP0254-0286-0318-BC9	Special Order
25.400 +/-0.0254	28.575 +0.051/+0.076	38.100 +/-0.127	FB803	BP0254-0286-0381-BC9	
25.400 +/-0.0254	28.575 +0.0508/+0.0762	50.800 +/-0.127	FB805	* BP0254-0286-0508-BC9	Special Order
25.400 +/-0.0254	28.575 +0.0508/+0.0762	63.500 +/-0.127	FB806	* BP0254-0286-0635-BC9	Special Order
25.400 +/-0.0254	28.575 +0.0508/+0.0762	76.200 +/-0.127	FB807	* BP0254-0286-0762-BC9	Special Order
25.400 x 30.163 mm		<i>(1.000 x 1.188 in.)</i>			
25.400 +/-0.0254	30.163 +0.0508/+0.0762	38.100 +/-0.127	FB808	* BP0254-0302-0381-BC9	Special Order
25.400 +/-0.0254	30.163 +0.0508/+0.0762	50.800 +/-0.127	FB809	* BP0254-0302-0508-BC9	Special Order
25.400 +/-0.0254	30.163 +0.0508/+0.0762	63.500 +/-0.127	FB810	* BP0254-0302-0635-BC9	Special Order
25.400 x 31.750 mm		<i>(1.000 x 1.250 in.)</i>			
25.400 +/-0.0254	31.750 +0.051/+0.076	19.050 +/-0.127		BP0254-0318-0191-BC9	
25.400 +/-0.0254	31.750 +0.051/+0.076	25.400 +/-0.127	FB811	BP0254-0318-0254-BC9	
25.400 +/-0.0254	31.750 +0.0508/+0.0762	28.580 +/-0.127	FB812	* BP0254-0318-0286-BC9	Special Order
25.400 +/-0.0254	31.750 +0.051/+0.076	31.750 +/-0.127	FB813	BP0254-0318-0318-BC9	
25.400 +/-0.0254	31.750 +0.051/+0.076	38.100 +/-0.127	FB814	BP0254-0318-0381-BC9	
25.400 +/-0.0254	31.750 +0.051/+0.076	44.450 +/-0.127	FB815	BP0254-0318-0445-BC9	
25.400 +/-0.0254	31.750 +0.051/+0.076	50.800 +/-0.127	FB816	BP0254-0318-0508-BC9	
25.400 +/-0.0254	31.750 +0.051/+0.076	63.500 +/-0.127	FB818	BP0254-0318-0635-BC9	
25.400 +/-0.0254	31.750 +0.051/+0.076	76.200 +/-0.127	FB820	BP0254-0318-0762-BC9	
25.400 +/-0.0254	31.750 +0.0508/+0.0762	88.900 +/-0.127	FB821	* BP0254-0318-0889-BC9	Special Order
25.400 +/-0.0254	31.750 +0.0508/+0.0762	101.600 +/-0.127	FB822	* BP0254-0318-1016-BC9	Special Order
25.400 x 34.925 mm		<i>(1.000 x 1.375 in.)</i>			
25.400 +/-0.0254	34.925 +0.051/+0.076	25.400 +/-0.127		BP0254-0349-0254-BC9	
25.400 +/-0.0254	34.925 +0.051/+0.076	38.100 +/-0.127	FB827	BP0254-0349-0381-BC9	
25.400 +/-0.0254	34.925 +0.0508/+0.0762	50.800 +/-0.127	FB823	* BP0254-0349-0508-BC9	Special Order



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

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ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
25.400 x 34.925 mm (1.000 x 1.375 in.)					
25.400 +/-0.0254	34.925 +0.0508/+0.0762	63.500 +/-0.127	FB824	* BP0254-0349-0635-BC9	Special Order
25.400 +/-0.0254	34.925 +0.0508/+0.0762	76.200 +/-0.127	FB825	* BP0254-0349-0762-BC9	Special Order
25.400 x 38.100 mm (1.000 x 1.500 in.)					
25.400 +/-0.0254	38.100 +0.051/+0.076	38.100 +/-0.127		BP0254-0381-0381-BC9	
25.400 +/-0.0254	38.100 +0.051/+0.076	50.800 +/-0.127		BP0254-0381-0508-BC9	
25.400 +/-0.0254	38.100 +0.051/+0.076	76.200 +/-0.127		BP0254-0381-0762-BC9	
25.400 +/-0.0254	38.100 +0.051/+0.076	101.600 +/-0.127		BP0254-0381-1016-BC9	
28.575 x 31.750 mm (1.125 x 1.250 in.)					
28.575 +/-0.0254	31.750 +0.0508/+0.0762	31.750 +/-0.127	FB900	* BP0286-0318-0318-BC9	Special Order
28.575 +/-0.0254	31.750 +0.0508/+0.0762	44.450 +/-0.127	FB901	* BP0286-0318-0445-BC9	Special Order
28.575 +/-0.0254	31.750 +0.0508/+0.0762	57.150 +/-0.127	FB902	* BP0286-0318-0572-BC9	Special Order
28.575 +/-0.0254	31.750 +0.0508/+0.0762	69.850 +/-0.127	FB903	* BP0286-0318-0699-BC9	Special Order
28.575 x 34.925 mm (1.125 x 1.375 in.)					
28.575 +/-0.0254	34.925 +0.051/+0.076	25.400 +/-0.127		BP0286-0349-0254-BC9	
28.575 +/-0.0254	34.925 +0.051/+0.076	44.450 +/-0.127		BP0286-0349-0445-BC9	
28.575 +/-0.0254	34.925 +0.051/+0.076	50.800 +/-0.127	FB904	BP0286-0349-0508-BC9	
28.575 +/-0.0254	34.925 +0.0508/+0.0762	76.200 +/-0.127	FB906	* BP0286-0349-0762-BC9	Special Order
28.575 +/-0.0254	34.925 +0.0508/+0.0762	88.900 +/-0.127	FB907	* BP0286-0349-0889-BC9	Special Order
28.575 +/-0.0254	34.925 +0.051/+0.076	101.600 +/-0.127	FB908	BP0286-0349-1016-BC9	
28.575 x 38.100 mm (1.125 x 1.500 in.)					
28.575 +/-0.0254	38.100 +0.0508/+0.0762	76.200 +/-0.127	FB909	* BP0286-0381-0762-BC9	Special Order
30.000 x 35.000 mm (1.181 x 1.378 in.)					
30.000 +/-0.0254	35.000 +0.0508/+0.0762	30.000 +/-0.127	FB9120	* BP0300-0350-0300-BC9	Special Order
30.000 +/-0.0254	35.000 +0.0508/+0.0762	40.000 +/-0.127	FB9121	* BP0300-0350-0400-BC9	Special Order
30.000 +/-0.0254	35.000 +0.0508/+0.0762	50.000 +/-0.127	FB9122	* BP0300-0350-0500-BC9	Special Order
30.000 +/-0.0254	35.000 +0.0508/+0.0762	60.000 +/-0.127	FB9123	* BP0300-0350-0600-BC9	Special Order
30.000 +/-0.0254	35.000 +0.0508/+0.0762	80.000 +/-0.127	FB9124	* BP0300-0350-0800-BC9	Special Order
30.000 +/-0.0254	35.000 +0.0508/+0.0762	100.000 +/-0.127	FB9125	* BP0300-0350-1000-BC9	Special Order
30.000 x 40.000 mm (1.181 x 1.575 in.)					
30.000 +/-0.0254	40.000 +0.0508/+0.0762	30.000 +/-0.127	FB9130	* BP0300-0400-0300-BC9	Special Order
30.000 +/-0.0254	40.000 +0.0508/+0.0762	40.000 +/-0.127	FB9131	* BP0300-0400-0400-BC9	Special Order
30.000 +/-0.0254	40.000 +0.0508/+0.0762	50.000 +/-0.127	FB9132	* BP0300-0400-0500-BC9	Special Order
30.000 +/-0.0254	40.000 +0.0508/+0.0762	60.000 +/-0.127	FB9133	* BP0300-0400-0600-BC9	Special Order
30.000 +/-0.0254	40.000 +0.0508/+0.0762	80.000 +/-0.127	FB9134	* BP0300-0400-0800-BC9	Special Order
30.000 +/-0.0254	40.000 +0.0508/+0.0762	100.000 +/-0.127	FB9135	* BP0300-0400-1000-BC9	Special Order



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
31.750 x 34.925 mm (1.250 x 1.375 in.)					
31.750 +/-0.0254	34.925 +0.0508/+0.0762	38.100 +/-0.127	FB1000	* BP0318-0349-0381-BC9	Special Order
31.750 +/-0.0254	34.925 +0.0508/+0.0762	76.200 +/-0.127	FB1001	* BP0318-0349-0762-BC9	Special Order
31.750 x 38.100 mm (1.250 x 1.500 in.)					
31.750 +/-0.0254	38.100 +0.0508/+0.0762	25.400 +/-0.127	FB912	* BP0318-0381-0254-BC9	Special Order
31.750 +/-0.0254	38.100 +0.051/+0.076	38.100 +/-0.127	FB914	BP0318-0381-0381-BC9	
31.750 +/-0.0254	38.100 +0.0508/+0.0762	44.450 +/-0.127	FB1002	* BP0318-0381-0445-BC9	Special Order
31.750 +/-0.0254	38.100 +0.051/+0.076	50.800 +/-0.127	FB1003	BP0318-0381-0508-BC9	
31.750 +/-0.0254	38.100 +0.0508/+0.0762	63.500 +/-0.127	FB1004	* BP0318-0381-0635-BC9	Special Order
31.750 +/-0.0254	38.100 +0.051/+0.076	76.200 +/-0.127	FB1005	BP0318-0381-0762-BC9	
31.750 +/-0.0254	38.100 +0.0508/+0.0762	88.900 +/-0.127	FB1007	* BP0318-0381-0889-BC9	Special Order
31.750 +/-0.0254	38.100 +0.051/+0.076	101.600 +/-0.127	FB1008	BP0318-0381-1016-BC9	
31.750 x 41.275 mm (1.250 x 1.625 in.)					
31.750 +/-0.0254	41.275 +0.0508/+0.0762	44.450 +/-0.127	FB1009	* BP0318-0413-0445-BC9	Special Order
33.338 x 41.275 mm (1.313 x 1.625 in.)					
33.338 +/-0.0254	41.275 +0.0508/+0.0762	63.500 +/-0.127		BP0333-0413-0635-BC9	
34.925 x 41.275 mm (1.375 x 1.625 in.)					
34.925 +/-0.0254	41.275 +0.0508/+0.0762	50.800 +/-0.127	FB1010	* BP0349-0413-0508-BC9	Special Order
34.925 +/-0.0254	41.275 +0.051/+0.076	76.200 +/-0.127	FB1011	BP0349-0413-0762-BC9	
34.925 +/-0.0254	41.275 +0.0508/+0.0762	101.600 +/-0.127		BP0349-0413-1016-BC9	Special Order
34.925 x 44.450 mm (1.375 x 1.750 in.)					
34.925 +/-0.0254	44.450 +0.0508/+0.0762	101.600 +/-0.127	FB1012	* BP0349-0445-1016-BC9	Special Order
35.000 x 40.000 mm (1.378 x 1.575 in.)					
35.000 +/-0.0254	40.000 +0.0508/+0.0762	40.000 +/-0.127	FB9140	* BP0350-0400-0400-BC9	Special Order
35.000 +/-0.0254	40.000 +0.0508/+0.0762	50.000 +/-0.127	FB9141	* BP0350-0400-0500-BC9	Special Order
35.000 +/-0.0254	40.000 +0.0508/+0.0762	60.000 +/-0.127	FB9142	* BP0350-0400-0600-BC9	Special Order
35.000 +/-0.0254	40.000 +0.0508/+0.0762	80.000 +/-0.127	FB9143	* BP0350-0400-0800-BC9	Special Order
35.000 +/-0.0254	40.000 +0.0508/+0.0762	100.000 +/-0.127	FB9144	* BP0350-0400-1000-BC9	Special Order
35.000 x 45.000 mm (1.378 x 1.772 in.)					
35.000 +/-0.0254	45.000 +0.0508/+0.0762	40.000 +/-0.127	FB9150	* BP0350-0450-0400-BC9	Special Order
35.000 +/-0.0254	45.000 +0.0508/+0.0762	50.000 +/-0.127	FB9151	* BP0350-0450-0500-BC9	Special Order
35.000 +/-0.0254	45.000 +0.0508/+0.0762	60.000 +/-0.127	FB9152	* BP0350-0450-0600-BC9	Special Order
35.000 +/-0.0254	45.000 +0.0508/+0.0762	80.000 +/-0.127	FB9153	* BP0350-0450-0800-BC9	Special Order
35.000 +/-0.0254	45.000 +0.0508/+0.0762	100.000 +/-0.127	FB9154	* BP0350-0450-1000-BC9	Special Order
38.100 x 41.275 mm (1.500 x 1.625 in.)					
38.100 +/-0.0254	41.275 +0.0508/+0.0762	50.800 +/-0.127	FB1013	* BP0381-0413-0508-BC9	Special Order



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
38.100 x 44.450 mm (1.500 x 1.750 in.)					
38.100 +/-0.0254	44.450 +0.051/+0.076	25.400 +/-0.127		BP0381-0445-0254-BC9	
38.100 +/-0.0254	44.450 +0.0508/+0.0762	38.100 +/-0.127	FB996	* BP0381-0445-0381-BC9	Special Order
38.100 +/-0.0254	44.450 +0.051/+0.076	44.445 +/-0.127		BP0381-0445-0444-BC9	
38.100 +/-0.0254	44.450 +0.0508/+0.0762	50.800 +/-0.127	FB998	* BP0381-0445-0508-BC9	Special Order
38.100 +/-0.0254	44.450 +0.0508/+0.0762	63.500 +/-0.127	FB1014	* BP0381-0445-0635-BC9	Special Order
38.100 +/-0.0254	44.450 +0.051/+0.076	76.200 +/-0.127	FB1015	BP0381-0445-0762-BC9	
38.100 +/-0.0254	44.450 +0.0508/+0.0762	88.900 +/-0.127	FB1016	* BP0381-0445-0889-BC9	Special Order
38.100 +/-0.0254	44.450 +0.0508/+0.0762	101.600 +/-0.127	FB1017	* BP0381-0445-1016-BC9	Special Order
38.100 x 47.625 mm (1.500 x 1.875 in.)					
38.100 +/-0.0254	47.625 +0.051/+0.076	50.800 +/-0.127		BP0381-0476-0508-BC9	
38.100 x 50.800 mm (1.500 x 2.000 in.)					
38.100 +/-0.0254	50.800 +0.051/+0.076	63.500 +/-0.127	FB1020	BP0381-0508-0635-BC9	
38.100 +/-0.0254	50.800 +0.051/+0.076	76.200 +/-0.127	FB1021	BP0381-0508-0762-BC9	
38.100 +/-0.0254	50.800 +0.0508/+0.0762	88.900 +/-0.127	FB1022	* BP0381-0508-0889-BC9	Special Order
38.100 +/-0.0254	50.800 +0.051/+0.076	101.600 +/-0.127	FB1023	BP0381-0508-1016-BC9	
38.100 x 57.150 mm (1.500 x 2.250 in.)					
38.100 +/-0.0254	57.150 +0.051/+0.076	76.200 +/-0.127		BP0381-0572-0762-BC9	
40.000 x 45.000 mm (1.575 x 1.772 in.)					
40.000 +/-0.0254	45.000 +0.0508/+0.0762	40.000 +/-0.127		* BP0400-0450-0400-BC9	Special Order
40.000 +/-0.0254	45.000 +0.0508/+0.0762	50.000 +/-0.127		* BP0400-0450-0500-BC9	Special Order
40.000 +/-0.0254	45.000 +0.0508/+0.0762	60.000 +/-0.127		* BP0400-0450-0600-BC9	Special Order
40.000 +/-0.0254	45.000 +0.0508/+0.0762	80.000 +/-0.127		* BP0400-0450-0800-BC9	Special Order
40.000 +/-0.0254	45.000 +0.0508/+0.0762	100.000 +/-0.127		* BP0400-0450-1000-BC9	Special Order
40.000 x 50.000 mm (1.575 x 1.969 in.)					
40.000 +/-0.0254	50.000 +0.0508/+0.0762	40.000 +/-0.127		* BP0400-0500-0400-BC9	Special Order
40.000 +/-0.0254	50.000 +0.0508/+0.0762	50.000 +/-0.127		* BP0400-0500-0500-BC9	Special Order
40.000 +/-0.0254	50.000 +0.0508/+0.0762	60.000 +/-0.127		* BP0400-0500-0600-BC9	Special Order
40.000 +/-0.0254	50.000 +0.0508/+0.0762	80.000 +/-0.127		* BP0400-0500-0800-BC9	Special Order
40.000 +/-0.0254	50.000 +0.0508/+0.0762	100.000 +/-0.127		* BP0400-0500-1000-BC9	Special Order
44.450 x 50.800 mm (1.750 x 2.000 in.)					
44.450 +/-0.0254	50.800 +0.0508/+0.0762	63.500 +/-0.127	FB1030	* BP0445-0508-0635-BC9	Special Order
44.450 +/-0.0254	50.800 +0.051/+0.076	76.200 +/-0.127	FB1031	BP0445-0508-0762-BC9	
44.450 +/-0.0254	50.800 +0.0508/+0.0762	88.900 +/-0.127	FB1032	* BP0445-0508-0889-BC9	Special Order
44.450 +/-0.0254	50.800 +0.0508/+0.0762	101.600 +/-0.127	FB1033	* BP0445-0508-1016-BC9	Special Order



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
44.450 x 53.975 mm (1.750 x 2.125 in.)					
44.450 +/-0.0254	53.975 +0.0508/+0.0762	101.600 +/-0.127	FB1018	* BP0445-0540-1016-BC9	Special Order
44.450 x 57.150 mm (1.750 x 2.250 in.)					
44.450 +/-0.0254	57.150 +0.051/+0.076	44.450 +/-0.127		BP0445-0572-0445-BC9	
44.450 +/-0.0254	57.150 +0.0508/+0.0762	57.150 +/-0.127	FB1036	* BP0445-0572-0572-BC9	Special Order
44.450 +/-0.0254	57.150 +0.0508/+0.0762	76.200 +/-0.127	FB1037	* BP0445-0572-0762-BC9	Special Order
44.450 +/-0.0254	57.150 +0.0508/+0.0762	88.900 +/-0.127	FB1038	* BP0445-0572-0889-BC9	Special Order
44.450 x 63.500 mm (1.750 x 2.500 in.)					
44.450 +/-0.0254	63.500 +0.0508/+0.0762	101.600 +/-0.127	FB1039	* BP0445-0635-1016-BC9	Special Order
45.000 x 55.000 mm (1.772 x 2.165 in.)					
45.000 +/-0.0254	55.000 +0.0508/+0.0762	50.000 +/-0.127	FB9190	* BP0450-0550-0500-BC9	Special Order
45.000 +/-0.0254	55.000 +0.0508/+0.0762	60.000 +/-0.127	FB9191	* BP0450-0550-0600-BC9	Special Order
45.000 +/-0.0254	55.000 +0.0508/+0.0762	80.000 +/-0.127	FB9192	* BP0450-0550-0800-BC9	Special Order
45.000 +/-0.0254	55.000 +0.0508/+0.0762	100.000 +/-0.127	FB9193	* BP0450-0550-1000-BC9	Special Order
50.000 x 60.000 mm (1.969 x 2.362 in.)					
50.000 +/-0.0254	60.000 +0.0508/+0.0762	50.000 +/-0.127	FB9210	* BP0500-0600-0500-BC9	Special Order
50.000 +/-0.0254	60.000 +0.0508/+0.0762	60.000 +/-0.127	FB9211	* BP0500-0600-0600-BC9	Special Order
50.000 +/-0.0254	60.000 +0.0508/+0.0762	80.000 +/-0.127	FB9212	* BP0500-0600-0800-BC9	Special Order
50.000 +/-0.0254	60.000 +0.0508/+0.0762	100.000 +/-0.127	FB9213	* BP0500-0600-1000-BC9	Special Order
50.800 x 57.150 mm (2.000 x 2.250 in.)					
50.800 +/-0.0254	57.150 +0.051/+0.076	50.800 +/-0.127		BP0508-0572-0508-BC9	
50.800 +/-0.0254	57.150 +0.0508/+0.0762	63.500 +/-0.127	FB1040	* BP0508-0572-0635-BC9	Special Order
50.800 +/-0.0254	57.150 +0.0508/+0.0762	76.200 +/-0.127	FB1041	* BP0508-0572-0762-BC9	Special Order
50.800 +/-0.0254	57.150 +0.0508/+0.0762	88.900 +/-0.127	FB1019	* BP0508-0572-0889-BC9	Special Order
50.800 x 60.325 mm (2.000 x 2.375 in.)					
50.800 +/-0.0254	60.325 +0.051/+0.076	76.200 +/-0.127		BP0508-0603-0762-BC9	
50.800 x 63.500 mm (2.000 x 2.500 in.)					
50.800 +/-0.0254	63.500 +0.051/+0.076	50.800 +/-0.127		BP0508-0635-0508-BC9	
50.800 +/-0.0254	63.500 +0.0508/+0.0762	63.500 +/-0.127	FB1050	* BP0508-0635-0635-BC9	Special Order
50.800 +/-0.0254	63.500 +0.051/+0.076	76.200 +/-0.127	FB1051	BP0508-0635-0762-BC9	
50.800 +/-0.0254	63.500 +0.0508/+0.0762	88.900 +/-0.127	FB1052	* BP0508-0635-0889-BC9	Special Order
50.800 +/-0.0254	63.500 +0.0508/+0.0762	101.600 +/-0.127	FB1053	* BP0508-0635-1016-BC9	Special Order
57.150 x 69.850 mm (2.250 x 2.750 in.)					
57.150 +/-0.0254	69.850 +0.0508/+0.0762	63.500 +/-0.127	FB1060	* BP0572-0699-0635-BC9	Special Order
57.150 +/-0.0254	69.850 +0.0508/+0.0762	76.200 +/-0.127	FB1061	* BP0572-0699-0762-BC9	Special Order
57.150 +/-0.0254	69.850 +0.0508/+0.0762	88.900 +/-0.127	FB1062	* BP0572-0699-0889-BC9	Special Order



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

ID (d)	OD (D)	Length (s)	Ref.	MBA Part Number	Comments
57.150 x 69.850 mm (2.250 x 2.750 in.)					
57.150 +/-0.0254	69.850 +0.0508/+0.0762	101.600 +/-0.127	FB1063	* BP0572-0699-1016-BC9	Special Order
63.500 x 76.200 mm (2.500 x 3.000 in.)					
63.500 +/-0.0254	76.200 +0.0508/+0.0762	63.500 +/-0.127	FB1070	* BP0635-0762-0635-BC9	Special Order
63.500 +/-0.0254	76.200 +0.0508/+0.0762	76.200 +/-0.127	FB1071	* BP0635-0762-0762-BC9	Special Order
63.500 +/-0.0254	76.200 +0.0508/+0.0762	88.900 +/-0.127	FB1072	* BP0635-0762-0889-BC9	Special Order
63.500 +/-0.0254	76.200 +0.0508/+0.0762	101.600 +/-0.127	FB1073	* BP0635-0762-1016-BC9	Special Order
63.500 +/-0.0254	76.200 +0.051/+0.076	127.000 +/-0.127		BP0635-0762-1270-BC9	
76.200 x 88.900 mm (3.000 x 3.500 in.)					
76.200 +/-0.0254	88.900 +0.076/+0.1270	101.600 +/-0.127		BP0762-0889-1016-BC9	



Stocked or Short Delivery



Usually Available



Long delivery or not in current production

* Large Minimum Quantities

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TIPS

The sizes shown for solid bronze bushes are nominal sizes. Refer to the tolerances listed below each size.

Solid bronze bushes are not self lubricating. For self lubricating bronze bushes please refer to our main bushes catalogue for Sintered Bronze.

Solid bronze has a uniform colour. Sintered bronze has a speckled textured appearance.

For information about measuring small parts please refer to our online PDF article...

<https://www.minibearings.com.au/catalogue/info/Measuring%20Miniature%20Bearings.pdf>

In comparison with ball bearings, solid bronze has a relatively high load carrying capacity but a much lower speed capability.

General running clearance between the shaft and the bearing bore should be at least Shaft Diameter x 0.001.

C93200 is a semi-hard material resistant to wear and sea water. Suitable for bushes and wear plates.

LG2 works well with moderate loads, resistant to wear and sea water, good machinability and weldable with brass or soft solder.



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Solid Bronze Bushes