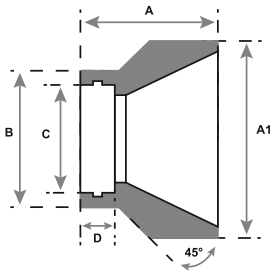


BUSHING (INSERT REDUCER) SILVER BRAZE

Specification: MIL-F-1183
Pressure Rating: 400 PSIG (WOG)



BRONZE
ASTM B61 / QQ-C-390 / MIL-B-16541
(ALLOY C90300 / C92200)



NOMINAL PIPE SIZE	P/N	A	A1	B	C	D
1 1/2 x 1/2	BBSB300-100	1 5/8	1.897 MIN. - 1.900 MAX.	2.160	1.900 MIN. - 1.905 MAX.	5/8
1 1/2 x 3/4	BBSB300-150	1 5/8	1.897 MIN. - 1.900 MAX.	2.160	1.900 MIN. - 1.905 MAX.	5/8
1 1/2 x 1	BBSB300-200	1 5/8	1.897 MIN. - 1.900 MAX.	2.160	1.900 MIN. - 1.905 MAX.	5/8
1 1/2 x 1 1/4	BBSB300-250	1 5/8	1.897 MIN. - 1.900 MAX.	2.160	1.900 MIN. - 1.905 MAX.	5/8
2 x 1/4	BBSB400-040	1 7/8	2.372 MIN. - 2.375 MAX.	2.675	2.375 MIN. - 2.380 MAX.	21/32
2 x 3/8	BBSB400-060	1 7/8	2.372 MIN. - 2.375 MAX.	2.675	2.375 MIN. - 2.380 MAX.	21/32
2 x 1/2	BBSB400-100	1 7/8	2.372 MIN. - 2.375 MAX.	2.675	2.375 MIN. - 2.380 MAX.	21/32
2 x 3/4	BBSB400-150	1 7/8	2.372 MIN. - 2.375 MAX.	2.675	2.375 MIN. - 2.380 MAX.	21/32
2 x 1	BBSB400-200	1 7/8	2.372 MIN. - 2.375 MAX.	2.675	2.375 MIN. - 2.380 MAX.	21/32
2 x 1 1/4	BBSB400-250	1 7/8	2.372 MIN. - 2.375 MAX.	2.675	2.375 MIN. - 2.380 MAX.	21/32
2 x 1 1/2	BBSB400-300	1 7/8	2.372 MIN. - 2.375 MAX.	2.675	2.375 MIN. - 2.380 MAX.	21/32
2 1/2 x 1/2	BBSB450-100	2 1/8	2.872 MIN. - 2.875 MAX.	3.215	2.875 MIN. - 2.882 MAX.	25/32
2 1/2 x 3/4	BBSB450-150	2 1/8	2.872 MIN. - 2.875 MAX.	3.215	2.875 MIN. - 2.882 MAX.	25/32
2 1/2 x 1	BBSB450-200	2 1/8	2.872 MIN. - 2.875 MAX.	3.215	2.875 MIN. - 2.882 MAX.	25/32
2 1/2 x 1 1/4	BBSB450-250	2 1/8	2.872 MIN. - 2.875 MAX.	3.215	2.875 MIN. - 2.882 MAX.	25/32
2 1/2 x 1 1/2	BBSB450-300	2 1/8	2.872 MIN. - 2.875 MAX.	3.215	2.875 MIN. - 2.882 MAX.	25/32
2 1/2 x 2	BBSB450-400	2 1/8	2.872 MIN. - 2.875 MAX.	3.215	2.875 MIN. - 2.882 MAX.	25/32
3 x 1/2	BBSB500-100	2 1/2	3.497 MIN. - 3.500 MAX.	3.880	3.500 MIN. - 3.507 MAX.	53/64
3 x 3/4	BBSB500-150	2 1/2	3.497 MIN. - 3.500 MAX.	3.880	3.500 MIN. - 3.507 MAX.	53/64
3 x 1	BBSB500-200	2 1/2	3.497 MIN. - 3.500 MAX.	3.880	3.500 MIN. - 3.507 MAX.	53/64
3 x 1 1/4	BBSB500-250	2 1/2	3.497 MIN. - 3.500 MAX.	3.880	3.500 MIN. - 3.507 MAX.	53/64
3 x 1 1/2	BBSB500-300	2 1/2	3.497 MIN. - 3.500 MAX.	3.880	3.500 MIN. - 3.507 MAX.	53/64
3 x 2	BBSB500-400	2 1/2	3.497 MIN. - 3.500 MAX.	3.880	3.500 MIN. - 3.507 MAX.	53/64
3 x 2 1/2	BBSB500-450	2 1/2	3.497 MIN. - 3.500 MAX.	3.880	3.500 MIN. - 3.507 MAX.	53/64
3 1/2 x 1	BBSB550-200	2 5/8	3.997 MIN. - 4.000 MAX.	4.400	4.000 MIN. - 4.007 MAX.	7/8
3 1/2 x 1 1/4	BBSB550-250	2 5/8	3.997 MIN. - 4.000 MAX.	4.400	4.000 MIN. - 4.007 MAX.	7/8
3 1/2 x 1 1/2	BBSB550-300	2 5/8	3.997 MIN. - 4.000 MAX.	4.400	4.000 MIN. - 4.007 MAX.	7/8
3 1/2 x 2	BBSB550-400	2 5/8	3.997 MIN. - 4.000 MAX.	4.400	4.000 MIN. - 4.007 MAX.	7/8
3 1/2 x 2 1/2	BBSB550-450	2 5/8	3.997 MIN. - 4.000 MAX.	4.400	4.000 MIN. - 4.007 MAX.	7/8
3 1/2 x 3	BBSB550-500	2 5/8	3.997 MIN. - 4.000 MAX.	4.400	4.000 MIN. - 4.007 MAX.	7/8
4 x 3/4	BBSB600-150	3 1/8	4.497 MIN. - 4.500 MAX.	4.940	4.500 MIN. - 4.507 MAX.	29/32
4 x 1	BBSB600-200	3 1/8	4.497 MIN. - 4.500 MAX.	4.940	4.500 MIN. - 4.507 MAX.	29/32
4 x 1 1/4	BBSB600-250	3 1/8	4.497 MIN. - 4.500 MAX.	4.940	4.500 MIN. - 4.507 MAX.	29/32
4 x 1 1/2	BBSB600-300	3 1/8	4.497 MIN. - 4.500 MAX.	4.940	4.500 MIN. - 4.507 MAX.	29/32
4 x 2	BBSB600-400	3 1/8	4.497 MIN. - 4.500 MAX.	4.940	4.500 MIN. - 4.507 MAX.	29/32
4 x 2 1/2	BBSB600-450	3 1/8	4.497 MIN. - 4.500 MAX.	4.940	4.500 MIN. - 4.507 MAX.	29/32
4 x 3	BBSB600-500	3 1/8	4.497 MIN. - 4.500 MAX.	4.940	4.500 MIN. - 4.507 MAX.	29/32
4 x 3 1/2	BBSB600-550	3 1/8	4.497 MIN. - 4.500 MAX.	4.940	4.500 MIN. - 4.507 MAX.	29/32

NOTES: Brazing rings IAW QQ-B-654, BCuP-5 are to be used with grooved fitting ends.
Fittings may be ordered with reduced ends.

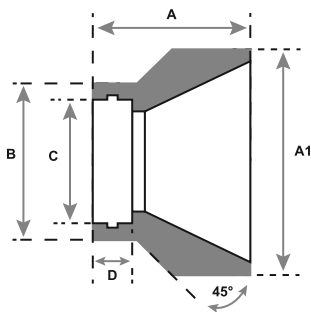
BUSHING (INSERT REDUCER) SILVER BRAZE

Specification: MIL-F-1183

Pressure Rating: 400 PSIG (WOG)

**Intended for use with Class 200 or 700
Copper Nickel Tube IAW MIL-T-16420
Copper Tube IAW MIL-T-24107
Brass Tube IAW MIL-T-20168**

SERVICE RATING TABLE				
Nominal Pipe Size (INCHES)	Maximum Working Pressure (LB/IN ²)	Maximum Temperature (°F)	Maximum Working Pressure (LB/IN ²)	Maximum Temperature (°F)
1/4 through 6	200	425	400	150
Above 6	150	425	250	150



BRONZE
ASTM B61 / QQ-C-390 / MIL-B-16541
(ALLOY C90300 / C92200)



AVAILABLE ALLOY: BRONZE

NOMINAL PIPE SIZE	P/N	A	A1	B	C	D
3/8 x 1/4	BBSB060-040	1 5/16	0.672 MIN. - 0.675 MAX.	0.855	0.675 MIN. - 0.678 MAX.	5/16
1/2 x 1/4	BBSB100-040	1 1/16	0.837 MIN. - 0.840 MAX.	1.020	0.840 MIN. - 0.843 MAX.	3/8
1/2 x 3/8	BBSB100-060	1 1/16	0.837 MIN. - 0.840 MAX.	1.020	0.840 MIN. - 0.843 MAX.	3/8
3/4 x 1/4	BBSB150-040	1 3/16	1.047 MIN. - 1.050 MAX.	1.250	1.050 MIN. - 1.053 MAX.	13/32
3/4 x 3/8	BBSB150-060	1 3/16	1.047 MIN. - 1.050 MAX.	1.250	1.050 MIN. - 1.053 MAX.	13/32
3/4 x 1/2	BBSB150-100	1 3/16	1.047 MIN. - 1.050 MAX.	1.250	1.050 MIN. - 1.053 MAX.	13/32
1 x 1/4	BBSB200-040	1 1/4	1.312 MIN. - 1.315 MAX.	1.535	1.315 MIN. - 1.318 MAX.	7/16
1 x 3/8	BBSB200-060	1 1/4	1.312 MIN. - 1.315 MAX.	1.535	1.315 MIN. - 1.318 MAX.	7/16
1 x 1/2	BBSB200-100	1 1/4	1.312 MIN. - 1.315 MAX.	1.535	1.315 MIN. - 1.318 MAX.	7/16
1 x 3/4	BBSB200-150	1 1/4	1.312 MIN. - 1.315 MAX.	1.535	1.315 MIN. - 1.318 MAX.	7/16
1 1/4 x 1/4	BBSB250-040	1 7/16	1.657 MIN. - 1.660 MAX.	1.900	1.660 MIN. - 1.663 MAX.	1/2
1 1/4 x 3/8	BBSB250-060	1 7/16	1.657 MIN. - 1.660 MAX.	1.900	1.660 MIN. - 1.663 MAX.	1/2
1 1/4 x 1/2	BBSB250-100	1 7/16	1.657 MIN. - 1.660 MAX.	1.900	1.660 MIN. - 1.663 MAX.	1/2
1 1/4 x 3/4	BBSB250-150	1 7/16	1.657 MIN. - 1.660 MAX.	1.900	1.660 MIN. - 1.663 MAX.	1/2
1 1/4 x 1	BBSB250-200	1 7/16	1.657 MIN. - 1.660 MAX.	1.900	1.660 MIN. - 1.663 MAX.	1/2
1 1/2 x 1/4	BBSB300-040	1 5/8	1.897 MIN. - 1.900 MAX.	2.160	1.900 MIN. - 1.905 MAX.	5/8
1 1/2 x 3/8	BBSB300-060	1 5/8	1.897 MIN. - 1.900 MAX.	2.160	1.900 MIN. - 1.905 MAX.	5/8

NOTES: Brazing rings IAW QQ-B-654, BCuP-5 are to be used with grooved fitting ends.
Fittings may be ordered with reduced ends.