

BRO-MAS[®]



SOLID TURNED BRONZE SLIDING BEARING,
ON CUSTOMERS' REQUIREMENT, HEAVY-MAINTENANCE



BRO-MAS®

Solid turned bronze sliding bearing • DIN 1850 / ISO 4379

PROPERTIES	Maintenance-bound sliding bearing, suitable for operation in contaminated environment, good corrosion resistance, unsusceptible to impact load.
MATERIALS Standard material*	Standard material CuSn12
MATERIAL PROPERTIES ** Specific load capacity static Specific load capacity dynamic Sliding speed Temperature strain	≤ 150 [N/mm ²] ≤ 60 [N/mm ²] < 10 [m/s] depends on lubrication - strain -40 - +150 [°C]
TOLERANCE DETAILS Housing Bushings Shaft tolerance	According to customer's preference. According to customer's preference. According to customer's preference.
SHAFT MATERIAL	Hardened steel, surface roughness < R _z 6,3
MOUNTING ADVICE Housing Shaft	Mounting bevel, min. 1,5 mm x 15-45° Mounting bevel, 5 mm x 15°, edges rounded
MAINTENANCE	Oil or grease lubrication is necessary. Because of lubrication slots or lubrication drills, lubrication clearances can be reduced to a minimum and lubricant allocation can be improved.

We produce all special designs at short notice!

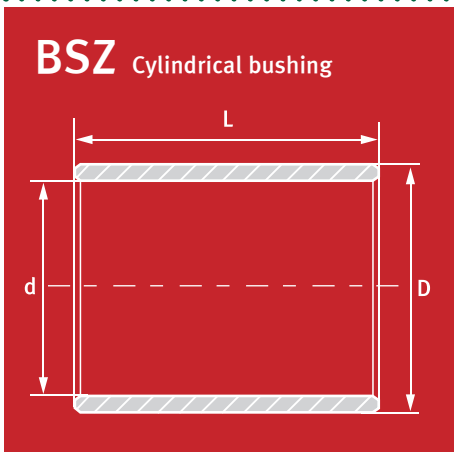
- BSZ Cylindrical bushing
- BSB Flanged bushing
- BSA Thrust washer
- BSS Strips

* As a special design additional sliding alloys are available.

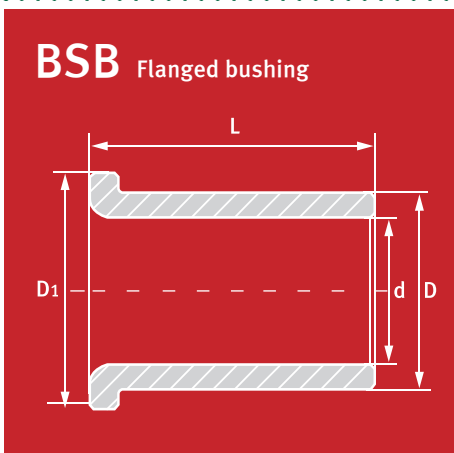
** The above stated material properties are valid for optimal operating conditions. Through changes of the application conditions e.g. higher sliding speed or strain, these values are subject to changes.

German Standard	Scandinavian Standard	American Standard	British Standard	Yield Strength	Tensile Strength	Hardness
CuSn7ZnPb (RG7)	JM1	C93200	1400 LG 2	130	270	75
CuSn10	JM2	C90700	1400 CT1	140	290	80
CuSn12	JM3	C90800	1400 PB2	150	280	95
CuPb15Sn	JM4	C93800	1400, LB1	100	210	65
CuPb10Sn	JM5	C93700	1400, LB2	100	220	65
CuAl10Ni	JM7	C95500	1400 AB2	300	680	160
CuSn10Zn (RG10)	JM12	SAE 62	1400 G1-C (BC3)	140	260	80
CuZn25Al5	JM18	C86300		480	750	190
CuSn5ZnPb (RG 5)	SS5204	C83600	1400 LG2 (BC6)	80	250	65

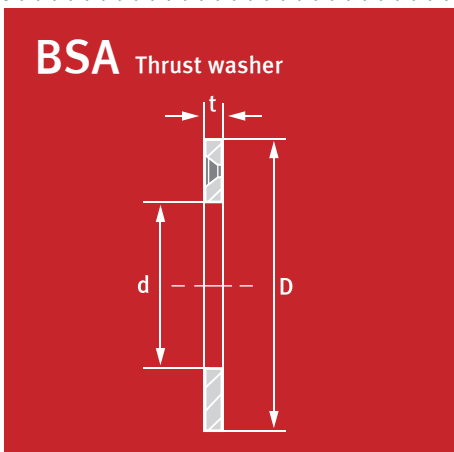
This bearing type is only available as manufacture of new articles, no stocking.



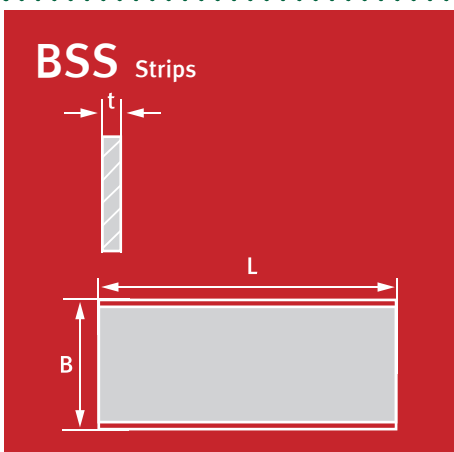
BS	Z	50	65	70
Type (BRO-MAS®)	Geometry (Cylindrical bushing)	Inner diameter 50 mm (d)	Outer diameter 65 mm (D)	Length 70 mm (L)



BS	B	50	65	70
Type (BRO-MAS®)	Geometry (Flanged bushing)	Inner diameter 50 mm (d)	Outer diameter 65 mm (D)	Length 70 mm (L)



BS	A	30	60	05
Type (BRO-MAS®)	Geometry (Thrust washer)	Inner diameter 30 mm (d)	Outer diameter 60 mm (D)	Thickness 5 mm (t)



BS	S	30	70	10
Type (BRO-MAS®)	Geometry (Strip)	Width 30 mm (B)	Length 70 mm (L)	Thickness 10 mm (t)

All sizes and measurements are produced to customer's specification.