



SIB-MET®

Sintered bronze sliding bearing • Oil-soaked • Self lubricating • Pre-finished
DIN 1850 / ISO 2795 as well as beyond this standard • Maintenance-free

We produce all special
designs at short notice!

SBZ Cylindrical bushing

SBB Flanged bushing

Also deliverable as
sintered iron!

PROPERTIES	Suitable for high sliding speeds at low load capacity.
MATERIALS Support material	CuSn10 (equivalent to SINT B50)
MATERIAL PROPERTIES Specific load capacity static Specific load capacity dynamic Sliding speed Friction value Temperature strain * Max. Pv - value	<p>≤ 18 [N/mm²] to 50 N/mm² at SINT A51</p> <p>≤ 5 [N/mm²]</p> <p>≤ 6,0 [m/s]</p> <p>0,05 to 0,20 [μ]</p> <p>-20 to +100 [°C]</p> <p>1,6 [N/mm² x m/s]</p>
TOLERANCE DETAILS Housing - Ø Bushing-inner - Ø after mounting Shaft tolerance	<p>H7</p> <p>H7 / H8</p> <p>f7</p>
SHAFT MATERIAL	Steel >200HB dressed to size, surface roughness ≤ Rz 4
MOUNTING ADVISE	The application of an adequate force fitting mandrel is advisable.
MAINTENANCE	SIB-MET® is a self-lubricating and maintenance-free sliding bearing.

* Suitable materials for higher temperatures are available.



MoS₂-sintered bronzed sliding bearings for temperatures up to + 400°C are deliverable on demand.
Cylindrical bushings, flanged bushings, full pieces, blanks and plates are standard fabrication.