



POM-MET®

Wrapped composite sliding bearing steel / POM, with lubrication pockets
 Low-maintenance • DIN 1494 / ISO 3547

We produce all special designs at short notice! Punchings and moldings are produced on customers' requirement.

POZ Cylindrical bushing
 POA Thrust washer
 POS Strips

PROPERTIES	Suitable for grease or oil lubrication and all kinds of movements, good load capacity, robust and insensible to dirt.
MATERIALS Support material Intermediate layer Sliding layer	Steel copper plated / tinplated Sintered bronze Acetal resin / POM
MATERIAL PROPERTIES Specific load capacity static Specific load capacity dynamic Sliding speed Friction value Temperature strain Max. Pv - value	≤ 250 [N/mm ²] ≤ 140 [N/mm ²] at low sliding speeds ≤ 2,5 [m/s] 0,04 to 0,12 [μ] depending on lubrication -40 to +130 [°C] 2,8 [N/mm ² x m/s]
TOLERANCE DETAILS Housing - Ø Bushing-inner - Ø after mounting Shaft tolerance	H7 In the range of D h8
SHAFT MATERIAL	Steel, hardened or untempered, surface roughness ≤ Rz 4-6
MOUNTING ADWISE Housing Shaft Force fitting mandrel Stick in	Mounting bevel, min. 1,5 mm x 15-45° Mounting bevel, 5 mm x 15°, edges rounded The application of an adequate force fitting mandrel is advisable. Grease lubrication of the outer surface may be necessary when mounting. Adhesive should not contact the sliding surface.
MAINTENACE	POM-MET® is a low-maintenace composite sliding bearing with a POM coating. Primary lubrication is necessary. Oil or grease lubrication is possible. Because of lubrication pockets lubrication clearances are reduced to a minimum!



Additional lubrication slots or lubrication drills on demand!
 Cylindrical bushings, thrust washer and strips are standard fabrication.