



# 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

<b>PROPERTIES</b>	Suitable for grease or oil lubrication and all kinds of movements, good load capacity, robust and insensible to dirt.
<b>MATERIALS</b> Support material Intermediate layer Sliding layer	Steel copper plated / tinplated Sintered bronze Acetal resin / POM
<b>MATERIAL PROPERTIES</b> Specific load capacity static Specific load capacity dynamic Sliding speed Friction value Temperature strain Max. Pv - value	≤ 250 [ N/mm <sup>2</sup> ] ≤ 140 [ N/mm <sup>2</sup> ] 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 <sup>2</sup> x m/s ]
<b>TOLERANCE DETAILS</b> Housing - Ø Bushing-inner - Ø after mounting Shaft tolerance	H7 In the range of D h8
<b>SHAFT MATERIAL</b>	Steel, hardened or untempered, surface roughness ≤ Rz 4-6
<b>MOUNTING ADWISE</b> 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.
<b>MAINTENACE</b>	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.