



INA Plain Bearings Type: Metal Polymer Composite Bearings



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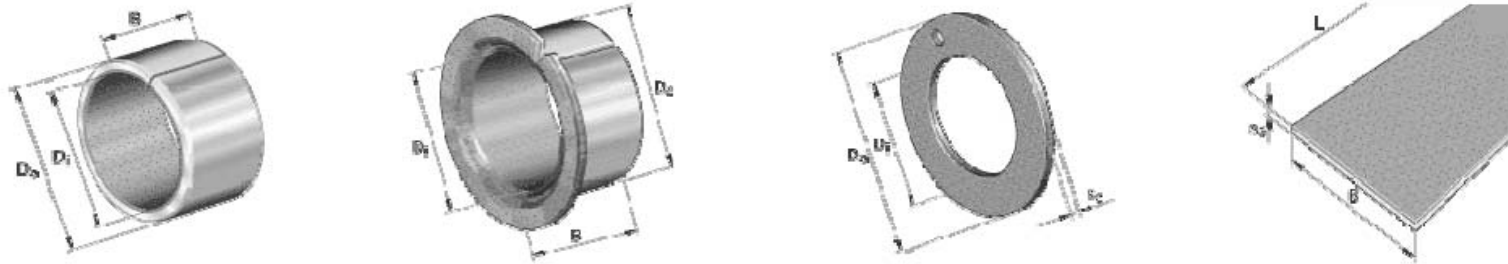
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Product range

INA Plain Bearings, of the Metal Polymer Composite Bearing type according to DIN ISO 3547 for maintenance-free and low-maintenance operation



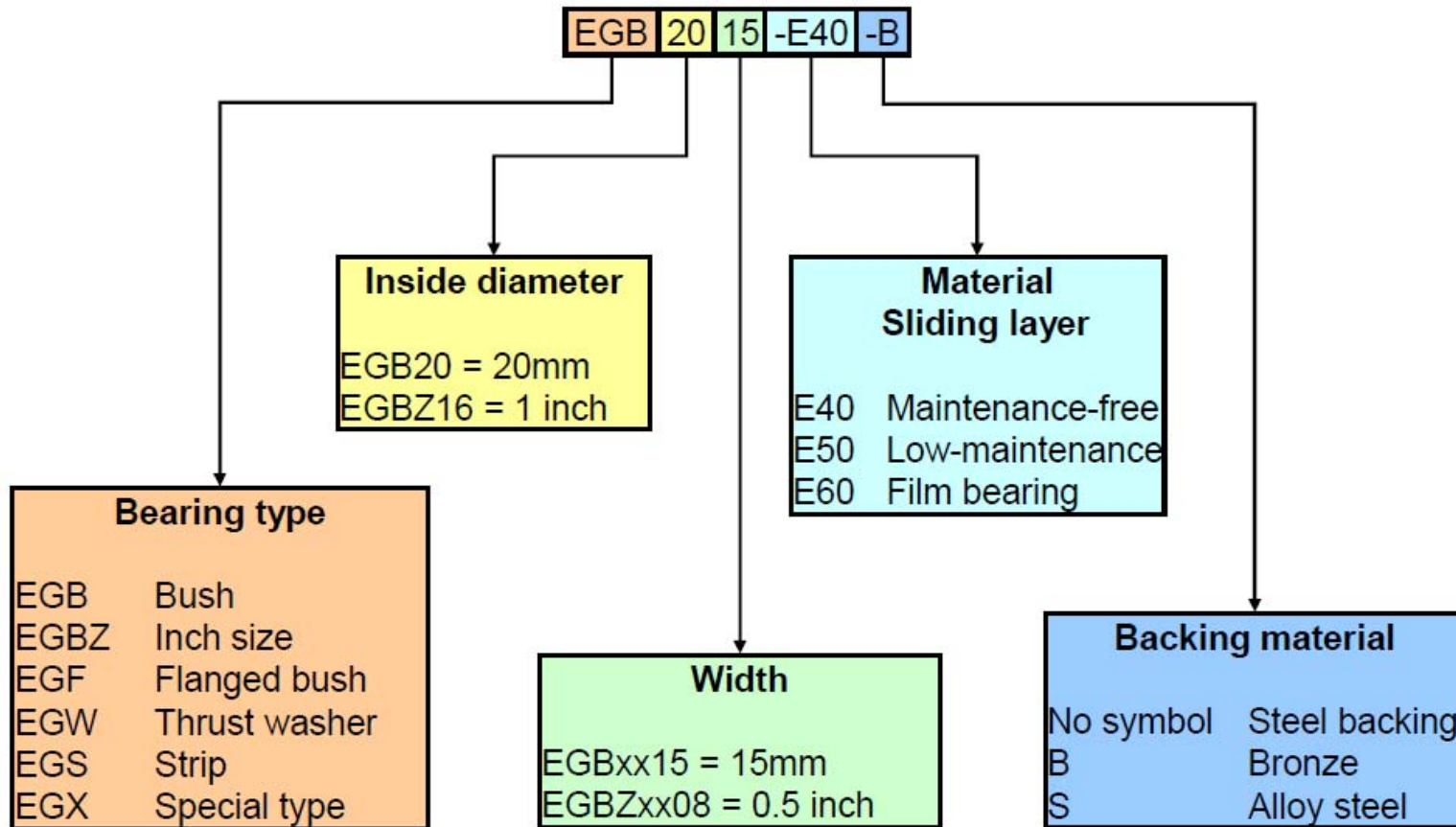
Materials		Lead-free
E40	Maintenance-free	
E50	Lubricated, low-maintenance	
E60	Film bearing, maintenance-free	

Types		
Bushes	EGB	EGBZ
Flanged bushes	EGF	
Thrust washers	EGW	
Strips	EGS	
Special types	EGX	

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The new material designation



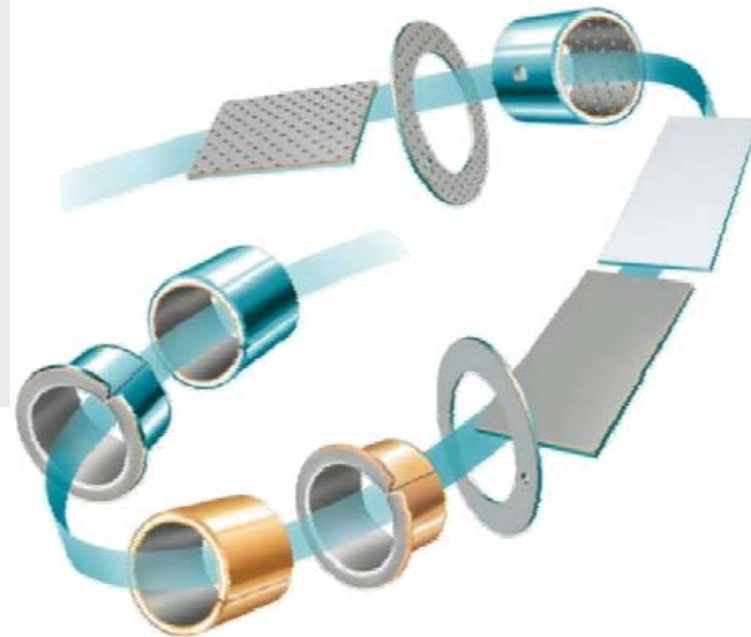
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The new INA Metal Polymer Composite Bearing

Material characteristics

- Load carrying capacity: 250N/mm² (static)
- Hydrodynamic operation possible
- Relatively high sliding speed
- Lower coefficient of friction
- High moisture resistance
operation in water possible
- Maintenance-free and low-maintenance version
- Also available with bronze backing for increased anti-corrosion protection



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Comparison of technical data

		E40	P10/P14	E50	P20
pv max.	N/mm•m/s	1,8	1,8	3,0	3,0
Permissible specific load					
Static	N/mm ²	250	250	140	250
Rotating/Oscillating	N/mm ²	140	140	70	70
Permissible sliding speed					
Dry running	m/s	2,5	2,0	-	-
Lubricated	m/s	3,0	2,0	2,5	3,0
Permissible temperature	°C	-200..280	-200..280	-40..110	-40..110

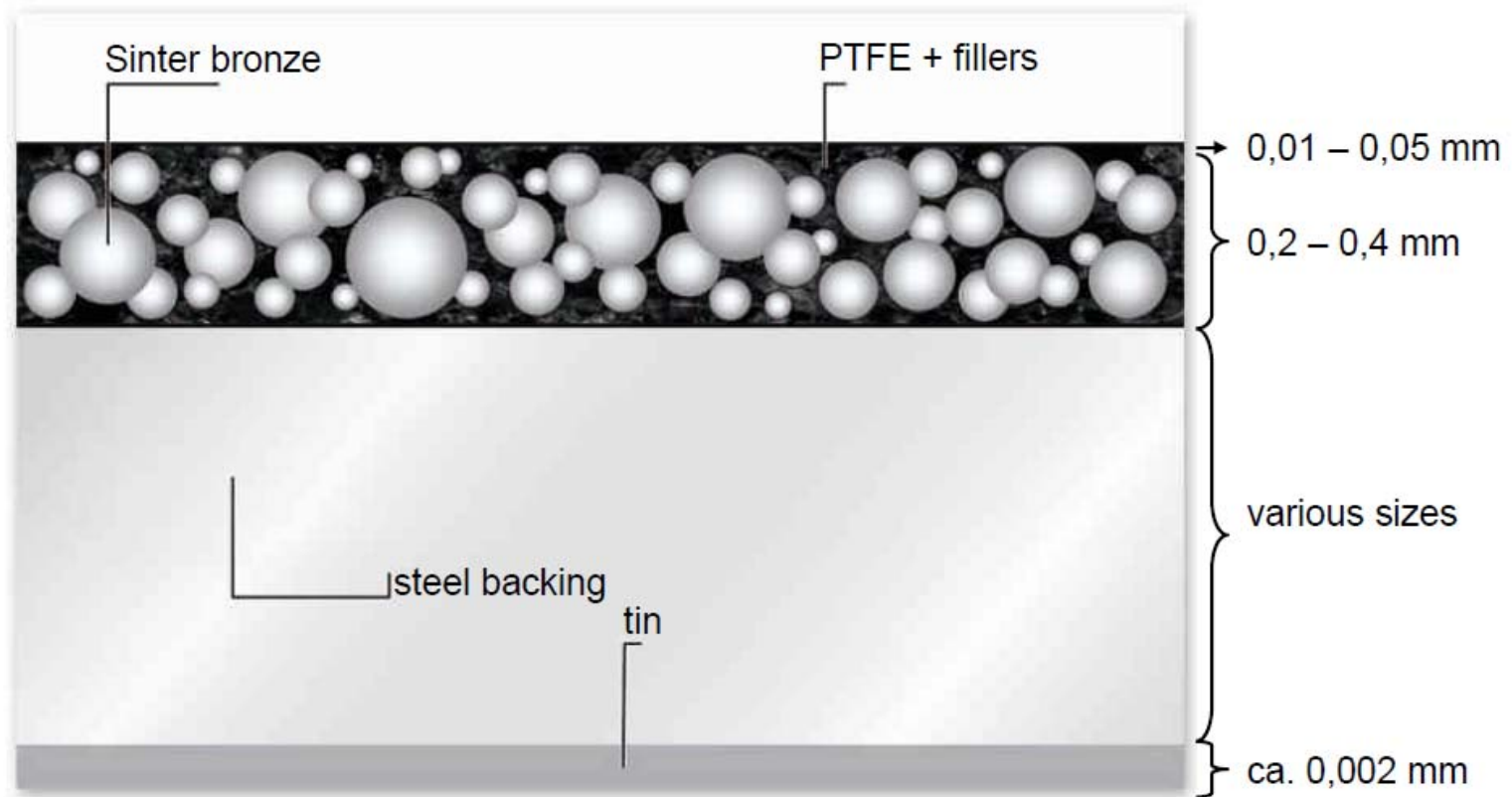
Interchangeability generally assured

→ For limiting conditions or if using media lubrication with E40 material, please contact the Product Group

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Material



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