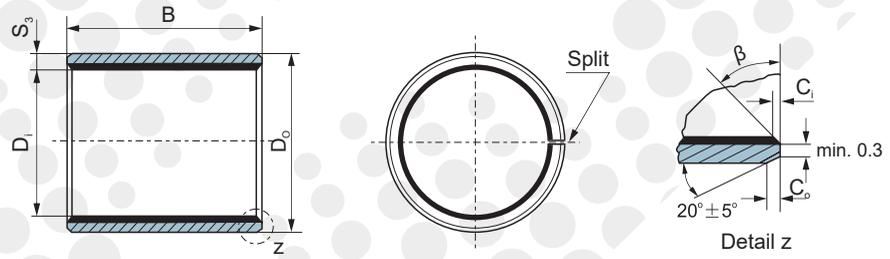


TU-B



ID and OD chamfers

S ₃	C ₀	C ₁	β	S ₃	C ₀	C ₁	β
0.75	0.5±0.3	0.25±0.2	30° ±5°	2.00	1.2±0.4	0.50±0.3	30° ±5°
1.00	0.6±0.3	0.30±0.2	30° ±5°	2.50	1.8±0.6	0.60±0.3	45° ±5°
1.50	0.7±0.3	0.50±0.3	30° ±5°				

Unit:mm

STRUCTURE



Sliding layer
PTFE + Fillers

Porous Bronze
Sinter

Bronze Backing

Structure of the material:

Layer	Average analyses of the material	Thickness of layer
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Sliding layer (Minimum)	PTFE Coating	10µm
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Intermediate layer (Average Peak)	CuSn11 Sintered	200÷350µm
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Supporting shell	Bronze (CuSn8P)	0,50 ÷ 2,70 mm (Depending on Dim. of the Bearing)
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Operating Performance

Dry	Good
Oil lubricated	Very Good
Grease lubricated	Good
Water lubricated	Good
Process fluid lubricated	Good

TECHNICAL DATA

Max. load	Static	250N/mm ²	Friction coefficient	0.03~0.20		
	Very low speed	140N/mm ²		Max. speed	Dry running	2m/s
	Rotating oscillating	60N/mm ²			Hydrodynamic operation	>2m/s
Max. PV dry running	Short-term operation	3.6N/mm ² *m/s	Thermal conductivity	60W(m*K) ⁻¹		
	Continuous operation	1.8N/mm ² *m/s	Coefficient of thermal expansion	18*10 ⁻⁶ *K ⁻¹		
Temp. limit	-195°C~+280°C					

CHARACTERISTICS

- Good wear and low friction performance over a wide range of loads, speeds and temperatures in dry running conditions
- Very good performance in lubricated applications
- Good performance in greased applications
- Suitable for linear, oscillating and rotating movements
- Bronze back offers improved corrosion resistance in humid/saline environments
- Lead-free material compliant to EVL, WEEE, and RoHS specifications

APPLICATIONS

Civil engineering, marine and offshore equipment, other applications in water or in outdoor environments, etc.

AVAILABILITY

Bearing forms available in standard dimensions

- Cylindrical bushes
- Flanged bushes
- Sliding plates

Bearing forms made to orderStandard forms in special dimensions, thrust washers, flanged thrust washers, half-bearings, special shape obtained by stamping or deep drawing, bearings with locating notches, lubricant holes and machined/stamped grooves