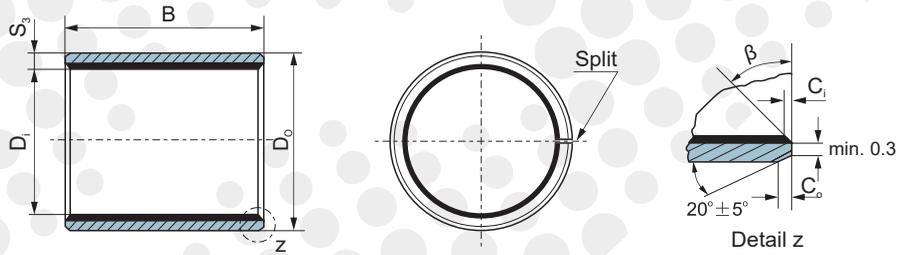


TU-316

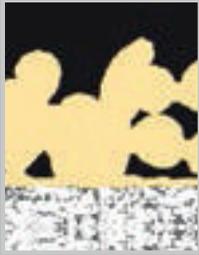


ID and OD chamfers

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 + Lead

Porous Bronze
Sinter

Steel Backing

Structure of the material:

Layer	Average analyses of the material	Thickness of layer
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Sliding layer (Minimum)	PTFE Coating	10µm
Intermediate layer (Average Peak)	CuSn11 Sintered	200÷350µm
Supporting shell	SS 316 Stainless Steel	0,70 ÷ 2,20 mm

(Depending on Dim. of the Bearing)

Operating Performance

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

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		42 W(m*K) ⁻¹	
	Continuous operation	1.8N/mm ² *m/s	Coefficient of thermal expansion		11*10 ⁻⁶ *K ⁻¹	
Temp. limit	-195°C~+280°C					

CHARACTERISTICS

- Very good wear and low friction performance over a wide range of loads, speeds and temperatures in dry running conditions
- Suitable for lubricated applications
- Suitable for linear, oscillating and rotating movements

APPLICATIONS

Industrial: Aerospace, agricultural equipment, construction equipment, food and beverage, material handling equipment, forming machines: metal, plastic and rubber; office equipment, medical and scientific equipment, packaging equipment, pneumatic and hydraulic cylinders, pumps and motors, railroad and tramways, textile machinery, valves, etc.

AVAILABILITY

- Bearing forms available in standard dimensions
- Cylindrical bushes • Flanged bushes • Sliding plates
- Thrust washers • Flanged Washers

Bearing forms made to order:

Standard forms in special dimensions, half bearings half-bearings and customized bearing designs