



ID and OD chamfers

S <sub>3</sub>	C <sub>0</sub>	C <sub>1</sub>	β	S <sub>3</sub>	C <sub>0</sub>	C <sub>1</sub>	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 of the material:

Layer	Average analyses of the material	Thickness of layer
Sliding layer (Minimum) OR Surface treatment	PTFE Coating  OR Duritex ML	10µm  0.15 mm (min)
Supporting shell	Inconel 625	0,50 ÷ 2,70 mm <small>(Depending on Dim. of the Bearing)</small>

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

## TECHNICAL DATA

Max. load	Static	200 N/mm <sup>2</sup>	Friction coefficient	0.07~0.13		
	Very low speed	100N/mm <sup>2</sup>		Max. speed	Dry running	0.5 m/s
	Rotating oscillating	60N/mm <sup>2</sup>			Hydrodynamic operation	>0.5 m/s
Max. PV dry running	Short-term operation	3.6N/mm <sup>2</sup> *m/s	Thermal conductivity	42 W(m*K) <sup>-1</sup>		
	Continuous operation	1.8N/mm <sup>2</sup> *m/s	Coefficient of thermal expansion	11*10 <sup>-6</sup> *K <sup>-1</sup>		
Temp. limit	-200°C to +430°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 very high temperature applications

## APPLICATIONS

Industrial: Valves and Isolators Aerospace, agricultural 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, construction equipment 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