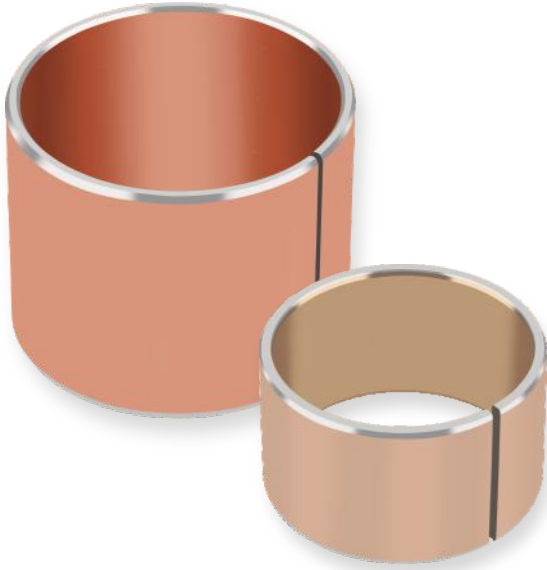


SP

BIMETAL PLAIN BEARINGS TO STANDARD SAE 794



APPLICATIONS

Industrial – Mechanical handling and lifting equipment, machine slides, hydraulic cylinders, hydraulic motors, pneumatic equipment, medical equipment, textile machinery, agricultural equipment, etc.

CHARACTERISTICS

- Bimetal bearing with steel backing and leaded bronze overlay
- For lubricated applications with plain sliding layer
- Suitable for oil and grease lubrication

AVAILABILITY

Bearing forms made to order: Cylindrical bushes, thrust washers, sliding plates, customized bearing designs



BEARING PROPERTIES		UNITS	VALUE
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GENERAL

Maximum load, p	Static	N/mm ²	250
	Dynamic	N/mm ²	120
Operating temperature	Min	°C	- 40
	Max greased	°C	150
	Max oil lubricated	°C	250

GREASE/OIL LUBRICATED

Maximum sliding speed, U		m/s	2.5
Maximum pU factor		N/mm ² x m/s	2.8
Coefficient of friction, f	Greased		0.05 - 0.12
	Oiled		0.04 - 0.12

RECOMMENDATIONS

Shaft surface roughness, Ra		µm	≤ 0.4
Shaft surface hardness	Normal	HB	> 200
	For longer service life	HB	> 350

OPERATING PERFORMANCE

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

MICROSECTION

