

Datasheet TEBRM85



TEBRM85 is a kind of steel-lead bronze alloy based bearing embedded with a particular composition of solid lubricants. The spiral diamond embedded in solid oil ensures high strength and high load capacities. With a lubrication area of 25% on the bearing surface, the bushing shows improved performance in terms of good lubrication and anti-wear. This bearing type is widely used in gearboxes for automobiles, generators, cranes and machines for the metallurgical industry.

Application

Material

Steel-lead bronze alloy with solid lubricants.

Availability

| | Value | Unit |
|------------------|------------|------|
| Inside diameter | on request | |
| Outside diameter | on request | |
| Flange diameter | on request | |
| Flange height | on request | |
| Total length | on request | |

TEBRM85 - Specifications

Physical properties

| | Test standard | Value | Unit |
|--|---------------|-------|------|
|--|---------------|-------|------|

Mechanical properties

| | Test standard | Value | Unit |
|---------------------------------------|---------------|------------|------|
| Compressive strength static | | on request | |
| Module of elasticity - Youngs modulus | | on request | |
| Tensile strength | | on request | |
| Shear strength | | on request | |
| Impact strength | | on request | |
| Hardness | | on request | |
| Dynamic load capacity | | on request | |
| Speed limit v max dry | | 4 | m/s |

Thermal properties

| | Test standard | Value | Unit |
|----------------------------------|---------------|------------|------|
| Min. working temperature | | on request | |
| Max. working temperature | | 260 | °C |
| Intermittent working temperature | | on request | |

Friction properties

| | Test standard | Value | Unit |
|---------------------------------|-------------------------------|------------|------|
| Coefficient of friction dynamic | pin-on-ring/dry against steel | 0.06-0.2 | [-] |
| Max. sliding speed | | 4 | m/s |
| Max. Pv-load dry | | on request | |
| Max. Pv-load oil lubricated | | on request | |
| Max. Pv-load on regular greased | | on request | |

Electrical properties

| | Test standard | Value | Unit |
|--|---------------|-------|------|
|--|---------------|-------|------|