

Features

- Standard Oilite® bearings are impregnated with highly refined mineral oil to ISO VG (SAE 30) having a high viscosity index and containing anti-oxidant, anti-rust and defoamant additives.
- A wide range of lubricants are available to meet specific requirements within a temperature range of -60°C to 200°C.
- Standard Oilite® oil retaining tin bronze is the generally specified material. It gives a good balance between strength, wear resistance, conformability, and durability in operation. Ideal in a wide variety of applications where self-lubricating properties are required over a long period of time.

RS PRO Oilite® Plain Bearing

RS Stock No.: 0528308

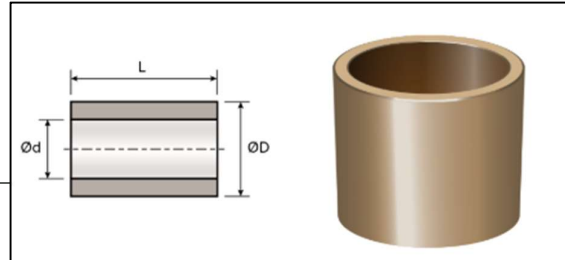


RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

RS PRO is offering range of Oilite® plain bearings – self-lubricating bearings that are made from metal alloys with pores that channel lubricants between the bearing itself and the shaft.

- Standard Oilite® bearings are impregnated with highly refined mineral oil to ISO VG (SAE 30) having a high viscosity index and containing anti-oxidant, anti-rust and defoamant additives.
- Lubricant : Shell Tellus S2 MX68
- Temperature range of -15°C to +75°C.
- Standard Oilite® oil retaining tin bronze is the generally specified material. It gives a good balance between strength, wear resistance, conformability, and durability in operation. Ideal in a wide variety of applications where self-lubricating properties are required over a long period of time.
- All dimensions and tolerances of our metric ranges conform to ISO 2795:1991
- Wide range of metric and imperial sizes
- Wide range of different types: Plain, Flanged

* Below dimensions in mm



Specifications

Details

| | | | | | |
|-----------------|-------------|----------------|----|--------|----|
| Inner Diameter | 14 | Outer Diameter | 20 | Length | 10 |
| Tolerance Range | UK Standard | | | | |

Material Specification

| | | | | |
|---|----------------------------------|--------------------------------------|-----|--|
| Structure | Oil impregnated sintered bronze* | | | |
| Max PV (N/mm ² x m/s) | 1.8 | Max Static load (N/mm ²) | 50 | |
| Max Dynamic load (N/mm ²) | 14 | Max Sliding speed (m/s) | 5 | |
| Operating temperature (°C) | -60 to 200* | Density (g/cm ³) | 6.6 | |
| | *dependant on lubrication | | | |
| Radial crushing strength (K Min M/mm ²) | 160 | | | |

Tolerances & Fittings (Metric)

| | Min | Max | Tolerance |
|-----------------------------|--------|--------|-----------|
| Inside Diameter | 14.006 | 14.024 | G7 |
| Outside Diameter | 20.035 | 20.056 | s7 |
| Overall Length | 9.890 | 10.110 | js13 |
| Recommended Housing Size | 20.000 | 20.021 | H7 |
| Shaft Diameter | 13.966 | 13.984 | f7 |
| Fitting Pin Size | 14.007 | 14.015 | m5 |
| Concentricity Max | 0.052 | 0.052 | IT9 |
| Inside Diameter When Fitted | 14.000 | 14.018 | H7 |

