

### **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.: 0528253



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.

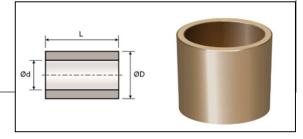
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## **Plain Bearings**



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



### **Specifications**

#### Detalls

| Inner Diameter  | 8           | Outer Diameter | 12 | Length | 6 |
|-----------------|-------------|----------------|----|--------|---|
| Tolerance Range | UK Standard |                |    |        |   |

#### Material Specification

| Structure                              | Oil impregrated sintered bronze*      |                         |     |  |  |
|--|---------------------------------------|-------------------------|-----|--|--|
| Max PV (N/mm² x m/s)                   | 1.8                                   | Max Static load (N/mm²) | 50  |  |  |
| Max Dynamic load (N/mm²)               | 14                                    | Max Sliding speed (m/s) | 5   |  |  |
| Operating temperature (°C)             | -60 to 200* *dependant on lubrication | Density (g/cm³)         | 6.6 |  |  |
| Radial crushing strength (K Min M/mm²) | 160                                   |                         |     |  |  |

#### Tolerances & Fittings (Metric)

|                             | Min    | Max    | Tolerance) |
|-----------------------------|--------|--------|------------|
| Inside Diameter             | 8.005  | 8.020  | G7         |
| Outside Diameter            | 12.028 | 12.046 | s7         |
| Overall Length              | 5.910  | 6.090  | js13       |
| Recommended Housing Size    | 12.000 | 12.018 | H7         |
| Shaft Diameter              | 7.972  | 7.987  | 17         |
| Fitting Pin Size            | 8.006  | 8.012  | m5         |
| Concentricity Max           | 0.043  | 0.043  | ІТ9        |
| Inside Diameter When Fitted | 8.000  | 8.015  | H7         |

<sup>\*</sup> Below dimensions in mm

# **Plain Bearings**

