

### **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.: 0528183



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.

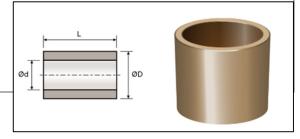
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## **Plain Bearings**



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**

#### Details

Inner Diameter	0.5	Outer Diameter	0.75	Length	1.125
Tolerance Range	Imperial (Inch)				

#### 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 (Imperial)

	Min	Max	Tolerance
Inside Diameter	0.502	0.502	
Outside Diameter	0.753	0.754	
Overall Length	1.120	1.130	
Concentricity Max	0.002	0.002	

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

# **Plain Bearings**

