

### **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.: 0528954



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.

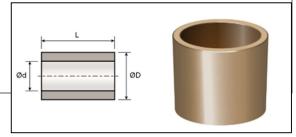
Product Description Page 1 of 3

## **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	6	Outer Diameter	10	Length	16
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	6.004	6.020	<b>G7</b>
Outside Diameter	10.023	10.038	s7
Overall Length	15.865	16.135	js13
Recommended Housing Size	10.000	10.015	H7
Shaft Diameter	5.978	5.990	77
Fitting Pin Size	6.004	6.009	m5
Concentricity Max	0.036	0.036	IT9
Inside Diameter When Fitted	6.000	6.012	H7

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

# **Plain Bearings**

