

### **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.: 0528294



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.

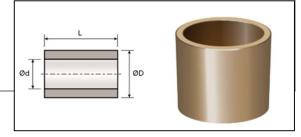
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## **Plain Bearings**



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	12	Outer Diameter	16	Length	20
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	12.006	12.024	G7
Outside Diameter	16.028	16.046	s7
Overall Length	19.835	20.165	jst3
Recommended Housing Size	16.000	16.018	H7
Shaft Diameter	11.966	11.984	17
Fitting Pin Size	12.007	12.015	m5
Concentricity Max	0.043	0.043	IT9
Inside Diameter When Fitted	12.000	12.018	H7

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

# **Plain Bearings**

