

## 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.: 0594771



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	2.5	Outer Diameter	3	Length	2.5
Tolerance Range	Imperial (Inch)				

### Material Specification

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

### Tolerances & Fittings (Imperial)

	Min	Max	Tolerance
Inside Diameter	2.503	2.504	
Outside Diameter	3.003	3.005	
Overall Length	2.493	2.508	
Concentricity Max	0.004	0.004	

