

## 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.: 0558453

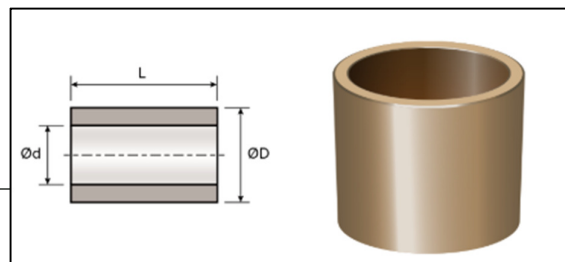


RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

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	45	Outer Diameter	51	Length	35
Tolerance Range	UK Standard				

### 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 (Metric)

	Min	Max	Tolerance
Inside Diameter	45.009	45.048	G8
Outside Diameter	51.053	51.099	s8
Overall Length	34.805	35.195	js13
Recommended Housing Size	51.000	51.030	H7
Shaft Diameter	44.950	44.975	f7
Fitting Pin Size	45.009	45.020	m5
Concentricity Max	0.120	0.120	IT10
Inside Diameter When Fitted	45.000	45.025	H7