

## 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.
- 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® Flanged Bearing

RS Stock No.: 0528912

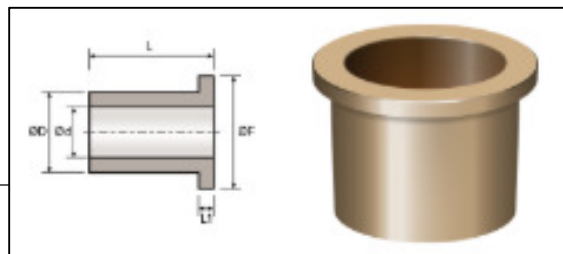


RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

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	0.375	Outer Diameter	0.625	Length	0.5
Tolerance Range	Imperial (Inch)	Flange Thickness	0.125	Flange Diameter	0.75

### 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	0.376	0.376	
Outside Diameter	0.627	0.628	
Overall Length	0.495	0.505	
Flange Thickness Tolerance	0.128	0.122	
Flange Diameter Tolerance	0.755	0.745	
Concentricity Max	0.002	0.002	