

## 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.: 0558466



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	25	Outer Diameter	30	Length	20
Tolerance Range	UK Standard	Flange Thickness	3.5	Flange Diameter	39

### 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	25.007	25.028	G7
Outside Diameter	30.035	30.056	s7
Overall Length	19.835	20.165	js13
Flange Thickness Tolerance	3.430	3.570	js13
Flange Diameter Tolerance	38.805	39.195	js13
Recommended Housing Size	30.000	30.021	H7
Shaft Diameter	24.959	24.980	f7
Fitting Pin Size	25.008	25.017	m5
Concentricity Max	0.052	0.052	IT9
Inside Diameter When Fitted	25.000	25.021	H7