

## **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.: 0558493



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.

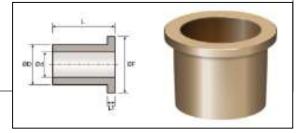
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# **Plain Bearings**



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	35	Outer Diameter	45	Length	25
Tolerance Range	UK Standard	Flange Thickness	5	Flange Diameter	55

### 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	35.009	35.034	<b>G7</b>
Outside Diameter	45.043	45.068	s7
Overall Length	24.835	25.165	js13
Flange Thickness Tolerance	4.910	5.090	js13
Flange Diameter Tolerance	54.770	55.230	js13
Recommended Housing Size	45.000	45.025	H7
Shaft Diameter	34.950	34.975	17
Fitting Pin Size	35.009	35.020	m5
Concentricity Max	0.062	0.062	IT9
Inside Diameter When Fitted	35.000	35.025	H7

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