

## **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.: 0529008



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.

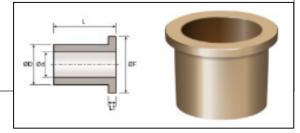
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# **Plain Bearings**



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	4	Outer Diameter	8	Length	4
Tolerance Range	UK Standard	Flange Thickness	2	Flange Diameter	12

### **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	4.004	4.016	G7
Outside Diameter	8.023	8.038	s7
Overall Length	3.910	4.090	js13
Flange Thickness Tolerance	1.930	2.070	js13
Flange Diameter Tolerance	11.865	12.135	js13
Recommended Housing Size	8.000	8.015	H7
Shaft Diameter	3.978	3.990	f7
Fitting Pin Size	4.004	4.009	m5
Concentricity Max	0.036	0.036	IT9
Inside Diameter When Fitted	4.000	4.012	H7

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