

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.: 0558497



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.
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- 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	38	Outer Diameter	48	Length	25
Tolerance Range	UK Standard	Flange Thickness	5	Flange Diameter	58

Material Specification

Structure	Oil impregnated sintered bronze*		
Max PV (N/mm ² x m/s)	1.8	Max Static load (N/mm ²)	50
Max Dynamic load (N/mm ²)	14	Max Sliding speed (m/s)	5
Operating temperature (°C)	-60 to 200* *dependant on lubrication	Density (g/cm ³)	6.6
Radial crushing strength (K Min M/mm ²)	160		

Tolerances & Fittings (Metric)

	Min	Max	Tolerance
Inside Diameter	38.009	38.034	G7
Outside Diameter	48.043	48.068	s7
Overall Length	24.835	25.165	js13
Flange Thickness Tolerance	4.910	5.090	js13
Flange Diameter Tolerance	57.770	58.230	js13
Recommended Housing Size	48.000	48.025	H7
Shaft Diameter	37.950	37.975	f7
Fitting Pin Size	38.009	38.020	m5
Concentricity Max	0.062	0.062	IT9
Inside Diameter When Fitted	38.000	38.025	H7