

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.: 0558494



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

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*	Density (g/cm ³)	6.6		
	*dependant on lubrication				
Radial crushing strength (K Min M/mm ²)	160				

Tolerances & Fittings (Metric)

	Min	Max	Tolerance
Inside Diameter	35.009	35.034	G7
Outside Diameter	45.043	45.068	s7
Overall Length	34.805	35.195	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	f7
Fitting Pin Size	35.009	35.020	m5
Concentricity Max	0.062	0.062	IT9
Inside Diameter When Fitted	35.000	35.025	H7