

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.: 0529050



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	18	Outer Diameter	24	Length	22
Tolerance Range	UK Standard	Flange Thickness	3	Flange Diameter	30

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	18.006	18.028	G7
Outside Diameter	24.035	24.056	s7
Overall Length	21.835	22.165	js13
Flange Thickness Tolerance	2.930	3.070	js13
Flange Diameter Tolerance	29.835	30.165	js13
Recommended Housing Size	24.000	24.021	H7
Shaft Diameter	17.966	17.984	f7
Fitting Pin Size	18.007	18.015	m5
Concentricity Max	0.052	0.052	IT9
Inside Diameter When Fitted	18.000	18.018	H7