

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.
- Washer provides self-lubricating thrust surfaces, especially in applications where assembly does not lend itself to the use of a flanged bearing. Alternatively, they can provide a second thrust surface at the non-flanged end of a bearing.
- 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® Washer

RS Stock No.: 0518146



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.

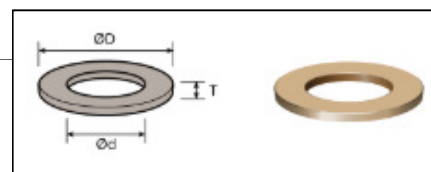
RS PRO is offering range of Oilite® plain bearings - self-lubricating bearings that are made from metal alloys with pores that channel lubricants between the bearing itself and the shaft.

- 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.
- 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; Washers

Oilite® Washer provides self-lubricating thrust surfaces, especially in applications where assembly does not lend itself to the use of a flanged bearing. Alternatively, they can provide a second thrust surface at the non-flanged end of a bearing.

In thrust applications PV should not exceed $0.36 \text{ N/mm}^2 \times \text{m/s}$. Surface velocity (m/s) calculated on mean diameter of thrust face and pressure (N/mm^2) on total thrust area.

* Below dimensions in mm



Specifications

Details

Inner Diameter	1	Outer Diameter	1.75	Thickness	0.125
Tolerance Range	Imperial (Inch)				

Material Specification

Structure	Oil impregnated sintered bronze*				
Max PV ($\text{N/mm}^2 \times \text{m/s}$)	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 (Imperial)

	Min	Max	Tolerance
Inside Diameter	1.010	1.015	
Outside Diameter	1.771	1.781	
Thickness Tolerance	0.125	0.130	