

Bearings / Wear Rings - Grooved

Technical details

Metric

Inch

Operating conditions

Maximum Speed 5.0 m/sec
Temperature Range -40°C + 120°C

15.0 ft/sec
-40°F + 250°F

Surface roughness

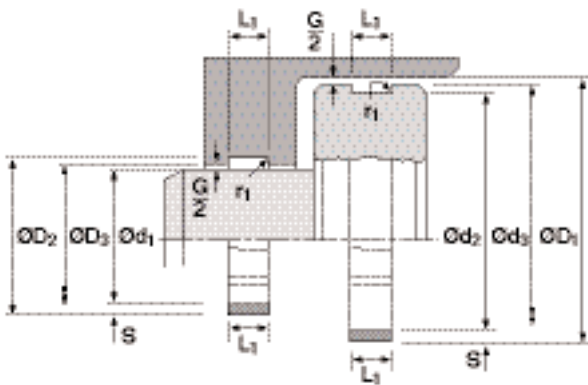
	µmRa	µmRt
Dynamic Sealing Face - Rod $\varnothing d_1$	0.4	4 max
Static Sealing Face - Rod $\varnothing D_2 L_1$	3.2 max	16 max
Dynamic Sealing Face - Piston $\varnothing d_1$	0.4	4 max
Static Sealing Face - Piston $\varnothing d_2 L_1$	3.2 max	16 max

	µinCLA	µinRMS
Dynamic Sealing Face - Rod $\varnothing d_1$	16	18
Static Sealing Face - Rod $\varnothing D_2 L_1$	125 max	140 max
Dynamic Sealing Face - Piston $\varnothing d_1$	16	18
Static Sealing Face - Piston $\varnothing d_2 L_1$	125 max	140 max

Housing Details & Tolerances

L_1 in	+0.015 +0.010		
r_1 in	0.016 max		
Rod $\varnothing d_1$ in	f9		
$\varnothing D_2$ in	$\varnothing d_1 + 2S$	+0.004 -0.000	
$\varnothing D_3$ in	$\varnothing d_1 + G$		
Piston $\varnothing D_1$ in	H11		
$\varnothing d_2$ in	$\varnothing D_1 - 2S$	+0.000 -0.004	
$\varnothing d_3$ in	$\varnothing D_1 - G$		
1/8 nominal cross sections - in	S = 0.126	G max 0.080	G min 0.031
3/32 nominal cross sections - in	S = 0.093	G max 0.060	G min 0.031
1/16 nominal cross sections - in	S = 0.062	G max 0.040	G min 0.031

533G



Design

The Hallite 533G bearing is a version of the Hallite 533, which has axial grooves to allow fluid bypass. This bearing is most often used in hydraulic ram application where such a feature is required. Like the standard 533 bearing the 533G is compatible with hydraulic and lubricating oil. It is not suitable for use in applications where water based fluids are used, nor is it suitable in applications where significant water is present, because of the swell of the nylon.

Split Type

B indicates butt cut
S indicates scarf cut
NB Some sizes are rod specific only

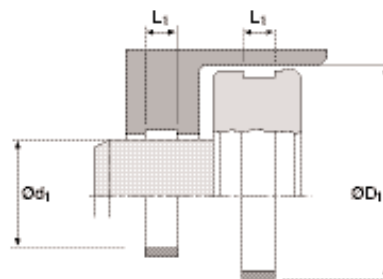
Note: Metric sizes are also available upon request. For further information about these and any other sizes that you are looking for, please contact your local Hallite sales office.

Features

- Moulded to size
- Easy installation
- Robust
- Long life
- Economical

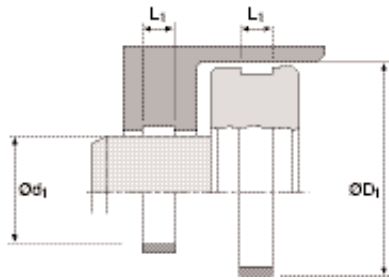
Bearings inch

533 G



ØD ₁ in	Ød ₁ in	L ₁	S	ØD ₁ mm	Ød ₁ mm	L ₁ mm	Rod Specific	Split Type	PART No
2.500	2.250	0.500	0.125	63.5	57.2	12.7		B	F30046
3.250	3.000	0.750	0.125	82.6	76.2	19.1		B	F30073
3.312	3.126	0.750	0.093	84.1	79.4	19.1		B	F30355
3.500	3.250	0.500	0.125	88.9	82.6	12.7		B	F30084
3.500	3.314	0.500	0.093	88.9	84.2	12.7		B	F30226
3.500	3.250	0.750	0.125	88.9	82.6	19.1		B	F30340
4.250	4.000	0.750	0.125	108.0	101.6	19.1		B	F30111
4.500	4.250	0.500	0.125	114.3	108.0	12.7		B	F30116
4.500	4.250	0.750	0.125	114.3	108.0	19.1		B	F30227
4.600	4.350	0.500	0.125	116.8	110.5	12.7		B	F30359
5.250	5.000	0.750	0.125	133.4	127.0	19.1		B	F30134
5.500	5.250	0.500	0.125	139.7	133.4	12.7		B	F30137
5.500	5.250	0.750	0.125	139.7	133.4	19.1		B	F30228
5.540	5.290	0.500	0.125	140.7	134.4	12.7		B	F30360
6.000	5.750	0.625	0.125	152.4	146.1	15.9		B	F30148
6.000	5.750	0.750	0.125	152.4	146.1	19.1		B	F30345
6.250	6.000	0.750	0.125	158.8	152.4	19.1		B	F30152
6.500	6.250	0.500	0.125	165.1	158.8	12.7		B	F30361
6.500	6.250	0.500	0.125	165.1	158.8	12.7		B	F30155
6.500	6.250	0.750	0.125	165.1	158.8	19.1		B	F30229

Bearings inch



533G

$\text{Ø}D_1$ in	$\text{Ø}d_1$ in	L_1	S	$\text{Ø}D_1$ mm	$\text{Ø}d_1$ mm	L_1 mm	Rod Specific	Split Type	PART No
7.250	7.000	0.750	0.125	184.2	177.8	19.1		B	F30161
7.500	7.250	0.500	0.125	190.5	184.2	12.7		B	F30163
7.500	7.250	0.750	0.125	190.5	184.2	19.1		B	F30341
8.413	8.163	0.750	0.125	213.7	207.3	19.1		B	F30357
8.500	8.250	0.750	0.125	215.9	209.6	19.1		B	F30342
9.878	9.628	0.750	0.125	250.9	244.6	19.1		B	F30362



Notes

