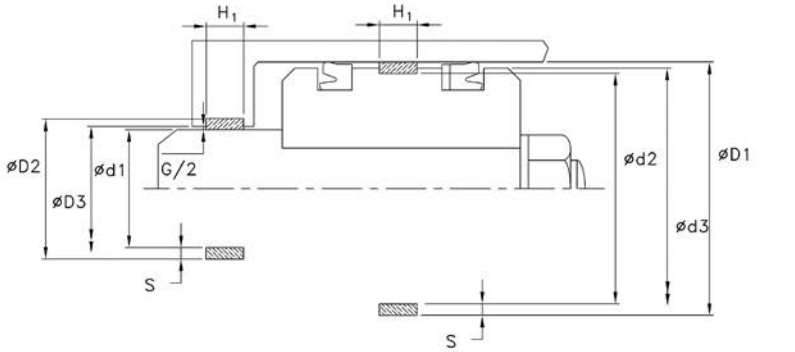
WS-PR

Polyester Resin



Compressive Strenght

Temperature: -40/250F [-40/121C] **Pressure: 60 000 PSI [4138 BAR]**

Ref.Number	Housing Dimensions				
	H1	S	d1	D1	
WS00375125-PR/1	0.375	0.125	1.000 - 1.375	1.625 - 3.500	
WS00375125-PR/2	0.375	0.125	1.250 - 1.875	2.125 - 4.250	
WS00375125-PR/3	0.375	0.125	2.000 - 3.500	3.750 - 6.250	
WS00500125-PR/1	0.500	0.125	1.250 - 1.750	2.000- 4.000	
WS00500125-PR/2	0.500	0.125	1.750 - 3.500	3.750 - 6.250	
WS00500125-PR/3	0.500	0.125	3.500 - 6.000	6.250 - 10.000	
WS00500125-PR/4	0.500	0.125	8.000 - 12.500	12.750 - 25.000	
WS00625125-PR/1	0.625	0.125	2.000 - 3.500	3.750 - 6.250	
WS00625125-PR/2	0.625	0.125	3.500 - 6.000	6.250 - 10.000	
WS00750125-PR/1	0.750	0.125	2.000 - 3.500	3.750 - 6.250	
WS00750125-PR/2	0.750	0.125	3.500 - 6.000	6.250 - 10.000	
WS01000125-PR/1	1.000	0.125	2.500 - 3.500	3.750 - 6.250	
WS01000125-PR/2	1.000	0.125	3.500 - 6.000	6.250 - 10.000	
WS01000125-PR/3	1.000	0.125	8.000 - 12.500	12.750 - 25.00	

OPERATING CONDITIONS

TEMPERATURE RANGE	-40°F TO 250°F	
LIMITING PV VALUES LUBRICATED	Speed ft/sec	pressure p.s.i.
	0.3	1500
	3.0	900
	16.0	120

WIDTH OF BEARING SPLIT - W

Od1/OD1	W
up to 2"	0.12-0.06
up to 5"	0.19-0.14
up to 10"	0.35-0.29
up to 22"	0.67-0.59

TYPICAL PHYSICAL PROPERTIES

SPECIFIC GRAVITY		1.27
COMPRESSION STRESS AT FAILURE	(temp 73°F)	65,000 p.s.i.
COMPRESSION STRESS AT YIELD	(temp 73°F)	16,500 p.s.i
COMPRESSION STRESS AT YIELD	(temp 176°F)	8,500 p s.i
COEFFICIENT OF THERMAL CONDUCTIVITY		0.16 Btu/hft °F
COEFFICIENT OF THERMAL EXPANSION	Lenght	thickness
	5×10^{-5} per °F	7.3×10^{-5} per°F
COEFFICIENT OF DYNAMIC FRICTION	Dry	Lubricated
on steel surface (0.2μm Ra)/(8μin CLA)	0.50	0.06

HOUSING DETAILS & TOLERANCES

ROD	Od1	f9
	OD2=Od1 +2 c/s	up to: O3" H10
		above O3" H9
	OD3=Od1 + G	G min/max
		+0.008 -0 mm
PISTON	OD1	H11
	Od2=OD1-2 c/s	f9
	Od3=OD1 + G	G min/max
	H1	+0.008 -0 mm

BEARING STRIP TOLERANCES

H1	C/S
-0.005 to -0.015	-0.001 to -0.004

NOTE: MINIMUM LINE ORDER MAY APPLY