

Flanged Design – LS Standard Operating Parameters

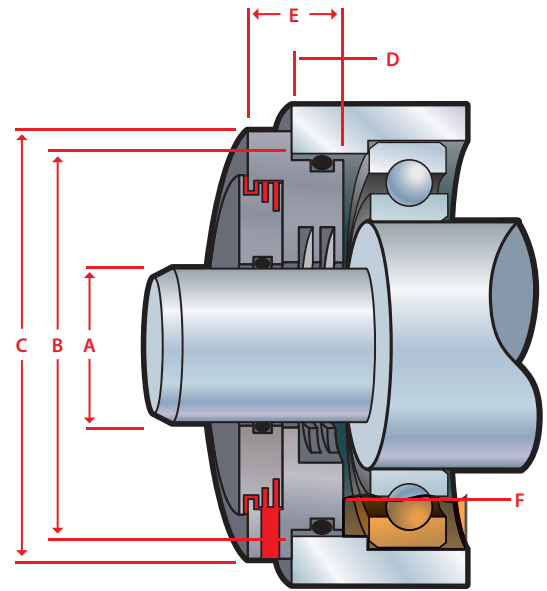
Total Eccentricity: .020" (.51 mm)
 Shaft Speed: Up to 5,000 fpm (25 m/s)
 Pressure: 0 psi / bar
 Temperature Range: -40 to 250 F (-40 to 121 C)
 Axial Movement: .020" (.51 mm) Special designs up to .070" (1.78 mm)
 Shaft / Bore Tolerances: ± .002" (± .05 mm)
 Special designs available

Seal Material:

Standard Proprietary PTFE
 Optional Food grade, Anti microbial, FDA 3A

O-Ring Material:

Standard FKM
 Optional NBR, FDA silicone, EPDM, Aflas®†



MOUNTING		LUBRICATION		
	Position	Grease	Oil	Dry
Horizontal	Y	Y	Y	Y
Vertical Up	Y*	Y	Y	Y
Vertical Down	Y	Y	N	Y

*If contaminant level is heavy see "LW" design (page 12)

Retain: Grease and oil splash (operating oil level in cavity between seal and bearing must be below inboard oil drain-back port of seal "F")

Exclude: Heavy water spray and dry contaminants from bearing cavity, best for vertical down applications

Equipment: Motors, pumps, mixers, gearboxes, blowers and custom equipment

STANDARD DIMENSIONS					
Type	"A" Shaft Diameter Range Inch	"B" Bore Diameter Range Is Shaft Diameter "A" + Min-Max	"C" Flange Diameter = "B"+	"D" In Bore Depth	"E" Overall Seal Width
LSE	0.500 – 3.000	0.626 – 1.500	0.250	0.313	0.688
LSE	3.001 – 4.000	0.626 – 1.500	0.250	0.375	0.750
LSE	4.001 – 6.000	0.874 – 1.500	0.250	0.375	0.750
LSE	6.001 – 10.000 ²	0.874 – 1.500	0.250	0.438	0.815

Type	"A" Shaft Diameter Range Metric	"B" Bore Diameter Range Is Shaft Diameter "A" + Min-Max	"C" Flange Diameter = "B"+	"D" In Bore Depth	"E" Overall Seal Width
LSM	12.0 – 40.0	10.0 – 40.0	6.0 ¹	7.0	16.0
LSM	40.1 – 60.0	12.0 – 40.0	6.0 ¹	8.0	17.0
LSM	60.1 – 80.0	15.0 – 40.0	6.0 ¹	9.0	18.0
LSM	80.1 – 130.0	20.0 – 40.0	6.0	9.0	18.0
LSM	130.1 – 254.0 ²	24.0 – 40.0	6.0	11.0	20.0

¹ May be larger for small cross sections. Consult factory for dimensions.
² Contact factory for requirements outside of standard dimensions listed above
 Note: Cross Section = (Bore – Shaft) / 2
 † Aflas® is a registered trademark of Asahi Glass Co.