

Split Design – SL Standard Operating Parameters

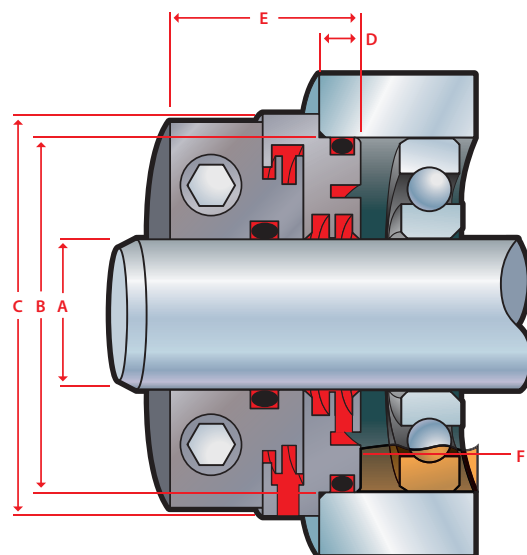
- Total Eccentricity: .020" (.51 mm)
- Shaft Speed: Up to 3,000 fpm⁴ (15 m/s)
- Pressure: 0 psi / bar
- Temperature Range: -40 to 250 F (-40 to 121 C)
- Axial Movement: .020" (.51 mm) special designs up to .070" (1.78 mm)
- Shaft / Bore Tolerances: ± .002" (± .05 mm)
Special designs available

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

*Locking collar may be required

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 Equipment

Heavy water spray and dry contaminants from bearing cavity.
For field retrofits where equipment cannot be uncoupled or disassembled. Requires no wear sleeves or shaft refurbishment. 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
SLE ³	0.492 – 1.575	0.394 – 1.575	0.236 ¹	0.276	1.078
SLE ³	1.576 – 2.362	0.472 – 1.575	0.236 ¹	0.315	1.117
SLE ³	2.363 – 3.150	0.551 – 1.575	0.236 ¹	0.354	1.156
SLE	3.151 – 5.118	0.787 – 1.575	0.236 ¹	0.354	1.257
SLE	5.119 – 10.000 ²	0.945 – 1.575	0.236 ¹	0.433	1.436

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
SLM ³	12.5 – 40.0	10.0 – 40.0	6.0 ¹	7.0	27.4
SLM ³	40.1 – 60.0	12.0 – 40.0	6.0 ¹	8.0	28.4
SLM ³	60.1 – 80.0	14.0 – 40.0	6.0 ¹	9.0	29.4
SLM	80.1 – 130.0	20.0 – 40.0	6.0 ¹	9.0	31.9
SLM	130.1 – 254.0 ²	24.0 – 40.0	6.0 ¹	11.0	36.5

¹ May be larger for small cross sections, consult factory for dimensions
² Contact factory for requirements outside of standard dimensions listed above
³ Shaft diameters under 1.575" (40 mm) & cross sections under .433" (11 mm) have standard inboard oil splash grooves
⁴ Contact factory for speeds over 3,000 fpm (15 m/s)
 Note: Cross Section = (Bore – Shaft) / 2