



MLG

Self-Lubricating Fiber Reinforced Composite Bearing



CHARACTERISTICS

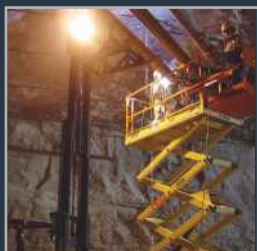
- Value engineered filament wound bearing for lighter duty applications
- High load capacity
- Good misalignment resistance
- Excellent shock resistance
- Good friction and wear properties
- Good chemical resistance

AVAILABILITY

Bearing forms made to order: Cylindrical bushes with non-standard lengths and wall thickness, flanged bearings, hexagonal and square bores, liner on outer diameter, customized bearing designs

APPLICATIONS

Industrial: Construction and earth moving equipment, conveyors, cranes, hoists, hydraulic cylinder pivots, etc.



MLG Technical Data

Bearing Properties		Imperial Units	Imperial Value	Metric Units	Metric Value
General					
Maximum load, p	Static	psi	30 000	N/mm ²	210
	Dynamic	psi	20 000	N/mm ²	140
Operating temperature	Min	°F	- 320	°C	- 195
	Max	°F	320	°C	160
Dry					
Maximum sliding speed, U		fpm	25	m/s	0.13
Maximum pU factor		psi x fpm	30 000	N/mm ² x m/s	1.05
Coefficient of friction			0.05 - 0.30*		0.05 - 0.30*
Recommendations					
Shaft surface roughness, Ra		µin	6 - 16	µm	0.15 - 0.40
Shaft surface hardness		HB	> 350	HB	> 350

* Depending on operating conditions

Operating Performance

Dry	Very Good
Oil lubricated	Good
Grease lubricated	Poor
Water lubricated	Fair
Process fluid lubricated	Fair

For Superior Performance

Grease lubricated	DX / DX10
Water lubricated	HPF / HPM
Process fluid lubricated	GAR-FIL

Microsection

