



# GGB-MEGALIFE® XT

**FIBER REINFORCED COMPOSITE  
PTFE THRUST WASHER**



## APPLICATIONS

**Industrial** – Pulley spacers, gear spacers, aerial lifts, fork lift masts, king pins, steering links, lift gates, cranes, backhoes, valve actuator linkages, etc.

## CHARACTERISTICS

- Proprietary filled PTFE tape liner on both surfaces
- Excellent shock resistance
- High load capacity
- Excellent misalignment resistance
- Excellent contamination resistance
- Good surface speed capability
- Very good friction and wear properties
- Good chemical resistance
- Tested acc. to ASTM E595/ECSS-Q-ST-70-02C - Outgassing properties of materials used in Spacecraft equipment

## AVAILABILITY

**Bearing forms available in standard dimensions:**  
Plain thrust washers

**Bearing forms made to order:**  
thrust washers with non-standard dimensions



BEARING PROPERTIES		UNITS	VALUE
<b>GENERAL</b>			
Maximum load, p	Static	N/mm <sup>2</sup>	140
	Dynamic	N/mm <sup>2</sup>	140
Operating temperature	Min	°C	- 195
	Max	°C	175
<b>DRY</b>			
Maximum sliding speed, U		m/s	0.5
Maximum pU factor		N/mm <sup>2</sup> x m/s	1.23
Coefficient of friction, f			0.02 - 0.12*
<b>RECOMMENDATIONS</b>			
Shaft surface roughness, Ra		µm	≤ 0.4
Shaft surface hardness		HB	> 200

\* Depending on operating conditions

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

FOR SUPERIOR PERFORMANCE	
Oil lubricated	HPF
Grease lubricated	DX
Process fluid lubricated	HPF

### MICROSECTION

