

MDS.39.00

# BT-F51

## SELF LUBRICATED SLIDING BEARINGS



### Sliding Layer

Special Coating.  
Treatment "Duritex ML".  
Colour Grey.

### Intermediate Layer

Cu 90 - 93 % Max  
Al 7 - 10 % Max  
Thickness 50 ÷ 200µm.

### Supporting Shell

C ≤0.03 %	Mo 2.50 - 3.50 %
Mn ≤2.05 %	Ni 4.50 - 6.50 %
Si ≤1.00 %	
Cr 21.0 - 23.0 %	

### Characteristics

Working surface acceptable specific static pressure	Max 310 N/mm <sup>2</sup>
Working surface acceptable specific dynamic pressure	Max 150 N/mm <sup>2</sup>
Maximum sliding speed (dry)	0,50 m/s (100 fpm)
Working temperature	From -200°C to +430° C
Friction factor (dry)	From 0.07 to 0.13

### Sliding Surface

BT-F51 sliding bearings can be used with or without lubrication. For the applications where the lubrication can only be periodic grease must be adopted. Where the lubrication can be continuous a lubricant oil can be chosen.

### Shaft

For proper bushing performance we suggest having a shaft roughness of 0.40µm Max.

### Items

The BT-F51 can be supplied as many technical items, between them we indicate the followings:

- Trust Washers
- Plain Bearings according to ISO 3547 or according to customer's design drawing
- Plain Strips
- Special Parts



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