HIMON BEARINGS

Product Data Sheet
Advance Information

MDS.08.00

FRITEX®-S-625
SELF LUBRICATED SLIDING BEARINGS

Sliding Layer	Intermediate Layer	Supporting Shell	
PTFE Cast Film laminated. Thickness 400µm. Colour black.	Special adhesive. Thickness 60µm.	C 0.10 % Max Mn 0.05 % Max Cr 20 - 23 % Ni Rest	Mo 8 - 10 % Co 1 % Max Nb 3.15 - 4.15 %

Characteristics	
Working surface acceptable specific static pressure	Max 400 N/mm^2
Working surface acceptable specific dynamic pressure	Max 180 N/mm^2
Working surface acceptable specific dynamic load (Peak Stroke to Open)	Max 350 N/mm^2
Maximum sliding speed	1,50 m/s (300 fpm)
Working temperature	From -100°C to +240° C
Friction factor	From 0.03 to 0.15

Performance

FRITEX®-S-625 bushing service life depend mainly from the load factor P x V ($N/mm^2 \cdot m/s$).
For the bushes the internal semi-surface, which is given by the result of the internal diameter multiplied by the length Di x L, must be considered.
We recommended to make previous test for new application / project.

Shaft

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

Items

The FRITEX®-S-625 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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