

MDS.05.00

BC-316

SELF LUBRICATED SLIDING BEARINGS

Fully Treated
AISI-316L
Supporting Shell



Sliding Layer	Supporting Shell								
Special Coating. Transparent Colour.	<table> <tr> <td>C 0.03 % Max</td><td>Si 1.00 % Max</td></tr> <tr> <td>Mn 2.00 % Max</td><td>Cr 16.5 - 18.5 %</td></tr> <tr> <td>P 0.04 % Max</td><td>Ni 10.0-13.0 %</td></tr> <tr> <td>S 0.03 % Max</td><td>Mo 2.0 - 2.5 %</td></tr> </table>	C 0.03 % Max	Si 1.00 % Max	Mn 2.00 % Max	Cr 16.5 - 18.5 %	P 0.04 % Max	Ni 10.0-13.0 %	S 0.03 % Max	Mo 2.0 - 2.5 %
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Characteristics	
Working surface acceptable specific static pressure	Max 200 N/mm ²
Working surface acceptable specific dynamic pressure	Max 100 N/mm ²
Maximum sliding speed (dry)	0,50 m/s (100 fpm)
Working temperature	From -200°C to +430° C
Friction factor (dry)	From 0.08 to 0.15
Hardness after coating	900 - 1300 Hv

Sliding Surface
BC-316 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
<p>The BC-316 can be supplied as many technical items, between them we indicate the followings:</p> <ul style="list-style-type: none"> • Trust Washers • Plain Bearings according to ISO 3547 or according to customer's design drawing • Plain Strips • Special Parts



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