

MDS.20.00

# HTS-316

## SELF LUBRICATED SLIDING BEARINGS



Sliding Layer	Intermediate Layer	Supporting Shell																
Special Coating. Treatment "Duritex ML". Colour Grey.	Stellite® 6 40 ÷ 60 µm.	<table><tr><td>C</td><td>0.03 % Max</td><td>Si</td><td>1.00 % Max</td></tr><tr><td>Mn</td><td>2.00 % Max</td><td>Cr</td><td>16.5 - 18.5 %</td></tr><tr><td>P</td><td>0.04 % Max</td><td>Ni</td><td>10.0-13.0 %</td></tr><tr><td>S</td><td>0.03 % Max</td><td>Mo</td><td>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 <sup>2</sup>
Working surface acceptable specific dynamic pressure	Max 100 N/mm <sup>2</sup>
Maximum sliding speed	0,50 m/s (100 fpm)
Working temperature	From -200°C to +450° C
Friction factor	From 0.07 to 0.13

Sliding Surface
HTS-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 0.40 ÷ 0.80µm.
Items
The HTS-316 can be supplied as many technical items, between them we indicate the followings: <ul style="list-style-type: none"> <li>• Trust Washers</li> <li>• Plain Bearings according to ISO 3547 or according to customer's design drawing</li> </ul>