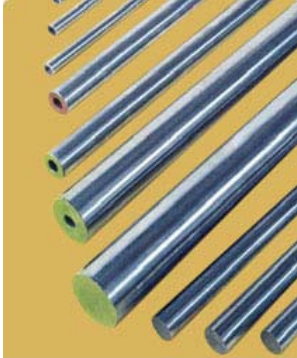


## Products



Type "HD" induction hardened plated bars in carbon steel tol. f7 EN 10083/1:2 C45



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In ground, superficially induction hardened, hard chromium plated carbon steel with a high degree of precision and finishing suitable for the manufacture of oleodynamic cylinder shaft requiring a high degree of superficial hardness and for axial sliding shaft.

### Technical characteristics

Base material:	UNI EN 10083/1:2 C45 Steel
Base material hardness:	Hrc 57 ÷ 59
Thickness of chromium facing:	12 µm ± 2 µm
Concentricity of chromium facing:	± 2 µm
Average roughness of chromium facing:	Ra 0,10 ÷ 0,25 µm
Average hardness of chromium facing:	Hrc 66 ± 68
Dimensional tolerance:	ISO f7
Straightness:	0,5 mm x 1000 mm measured every 1000 mm
Rating:	9
Resistance in neutral saline mist:	Norma ISO 9227 (NSS) min. 200 hours
Length of bars:	6 ÷ 7 metres

### Dimensional range available in stock

Ø mm	theorich weight Kg/m
20	2,47
25	3,85
30	5,55
35	7,55
40	9,86
45	12,50
50	15,40
55	18,70
60	22,20
65	26,00
70	30,20
80	39,50
90	49,94
100	61,65
110	74,60

Other dimensions are supplied on request.