

STANDARD REFERENCE:  
 EN ISO 683-17: 2014

### RODACCIAI REFERENCES AND COMPARABLE STANDARDS

EUROPE		ITALY	GERMANY		FRANCE	UK	USA
EN ISO 683-17: 2000		3097 - 75	DIN 17230 - 80		NF A 35-565-90	(BS 970 pt.3-96)	ASTM A 29
Grade	N°		Werkstoff	N°			
100Cr6	1.3505	100Cr6	100Cr6	1.3505	100C6	2S 135	-

### CHEMICAL COMPOSITION (CAST ANALYSIS) (%)

C	Si	Mn	P / max	S / max	Cr	Mo / max	Al / max	Cu / max	O / max
0,93÷1,05	0,15÷0,35	0,25÷0,45	0,025	0,015	1,35÷1,60	0,10	0,050	0,30	0,0015

### MECHANICAL PROPERTIES

Size mm	HB max condition	
	Annealed (+AC)	Cold Drawn + Annealed (+AC +C)*
<16	207	241
>16 ≤40	207	241
>40 ≤100	207	241
>100 ≤160	207	241
>160 ≤250	207	241

\* the hardness of the wire for the manufacture of needle roller bearings (with the "needles") may increase up to 331HB.  
 The maximum value of Vickers hardness (HV) should be agreed at the time of inquiry and order.

