

STANDARD REFERENCE:
EN ISO 683-17: 2000

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) (%)

| | EUROPE | C | Si/ max | Mn | P/ max | S/ max | Cr | Mo/ max | Al/ max |
|---------------|--------|-----------|-----------|-----------|--------|--------|-----------|---------|---------|
| 100Cr6 | 100Cr6 | 0,93÷1,05 | 0,15÷0,35 | 0,25÷0,45 | 0,015 | 0,015 | 1,35÷1,60 | 0,10 | 0,050 |

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.

