

STANDARD REFERENCE:
 EN 10263-2: 2017

RODACCIAI REFERENCES AND COMPARABLE STANDARDS

| EUROPE | | ITALY | GERMANY | | FRANCE | UK | USA |
|------------------|--------|-----------------|------------------|--------|-------------------|----|------|
| EN 10263-2: 2001 | | (UNI 7356 - 74) | (DIN 1654-2: 89) | | (NF A 35-564: 83) | - | ASTM |
| Grade | N° | | Werkstoff | N° | | | |
| C4C | 1.0303 | CB 4 FF | QSt 32-3 | 1.0303 | XC 6 FF | - | - |

CHEMICAL COMPOSITION (CAST ANALYSIS) (%)

| C | Si/ max | Mn | P / max | S / max | Al |
|-----------|---------|-----------|---------|---------|-------------|
| 0,02±0,06 | 0,10 | 0,25±0,40 | 0,020 | 0,025 | 0,020±0,060 |

MECHANICAL PROPERTIES

| Size mm | Untreated (+U) or Untreated + Peeled (+U +PE) | | Spheroidized (+AC) or as Treated + Peeled (+AC +PE) | | Cold Drawn (+U +C) | | Cold Drawn + Spheroidized + Skin Passed (+U +C +AC + LC) | | Spheroidized + Cold Drawn (+AC +C) | |
|----------|---|-----------|---|-----------|--------------------------|-----------|--|-----------|------------------------------------|-----------|
| | R _m (MPa) max | Z (%) min | R _m (MPa) max | Z (%) min | R _m (MPa) max | Z (%) min | R _m (MPa) max | Z (%) min | R _m (MPa) max | Z (%) min |
| ≥2 ≤5 | - | - | - | - | - | - | 360 | 73 | - | - |
| >5 ≤10 | 390 | 70 | 330 | 75 | 470 | 66 | 350 | 73 | 410 | 70 |
| >10 ≤40 | 390 | 70 | 330 | 75 | 460 | 66 | 350 | 73 | 400 | 70 |
| >40 ≤100 | 390 | 70 | 330 | 75 | - | - | - | - | - | - |

WORKING TEMPERATURES RECOMMENDED

| Operation | Hot forgings deformation | Soft annealing |
|-----------|--------------------------|----------------|
| °C | 800÷1100 | 650÷700 |



rev. 10/2018

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SPECIAL STEELS
 FOR COLD DEFORMATION AND BEARINGS

SB4
