Giuseppe & F.lli Bonaiti s.r.l.
a Socio unico
FILO DI ACCIAIO

16MnCr5 Nr. 1.7131

COLD STAMPING STEEL - FOR CASE HARDENING

STANDARD

UNI EN 10263-3: 2017
Non Alloy Steel Wire Rod For Conversion to Wire - wire rod for specials applications

CLASSIFICATION

Non Alloy Steel

FEATURES

16MnCr5 - Nr. 1.7131
Structural pressure vessel and engeneering steels with C < 0,5%

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,14 to 0,19	0,30 max	from 1,00 to 1,30	0,025 max	from 0,80 to 1,10	-	-

Mo	Ni	B	Cu	Al	Pb
-	-	from 0,0008 to 0,005	0,25 max	-	-

MECHANICAL PROPERTIES

Diameter		As Hot Rolled (+U) or Rolled and peeled (+U +PE)		Annealed (+AC) or Annealed + Peeled (+AC +PE)		Cold Drawn (+U +C)		Cold Drawn and Annealed (+U +C +AC)		Cold Drawn then Annealed and Skin passed (+U +C +AC + LC)		Annealed and Cold Drawn (+AC +C)	
from	to	Rm (Mpa) max	Z (%) min	Rm (Mpa) max	Z (%) min	Rm (Mpa) max	Z (%) min	Rm (Mpa) max	Z (%) min	Rm (Mpa) max	Z (%) min	Rm (Mpa) max	Z (%) min
2	5	-	-	-	-	-	-	550	64	590	62	-	-

In case of specific needs, contact our sales offices to evaluate feasibility and agree on the values of Rm.

EQUIVALENT STEEL GRADES

EUROPE (EN)	GERMANY (DIN,WNr)	FRANCE (AFNOR)	ITALY (UNI)	CHINA (GB)	FINLAND (SFS)	INTERN (ISO)
16MnCr5	16MnCr5	16MC5	16MnCr5	15CrMn	-	16MnCr5

USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)
5115	-	527M17	F.1516	2127	18ChG