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

C50D2 Nr. 1.1171

GENERAL PURPOSE STEEL

STANDARD

EN ISO 16120-4:2017
Steel rod, bars and wire for cold heading and cold extrusion

CLASSIFICATION

Non Alloy Quality Steel

FEATURES

C50D2 - Nr. 1.1171
Steels with average 0,12% =< C < 0,25% or 400 MPa =< Rm < 500 MPa

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,48 to 0,52	from 0,10 to 0,30	from 0,50 to 0,70	0,02 max	0,025 max	0,10 max	N - 0,007 max

Mo	Ni	B	Cu	Al	Pb
0,05 max	0,10 max	-	0,15 max	0,01 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	60	-	-	-	-	-	-	-	-	-	-	-	-

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)
C50D2	C50D2	FM 50	C50 D 2	-	-	-

USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)
-	-	-	-	-	-

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