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

C46D2 — Nr. 1.1162

GENERAL PURPOSE STEEL

STANDARD

EN ISO 16120-4:2017
Non Alloy Steel Wire Rod For Conversion to Wire - general purpose wire rod

CLASSIFICATION

Non Alloy Steel

FEATURES

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Steels with average 0,12% =< C < 0,25% or 400 MPa =< Rm < 500 MPa

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,44 to 0,48	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)
C46D2	C46D2	FM 46	C46 D 2	-	-	-

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

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