



STANDARD

CLASSIFICATION

FEATURES

EN ISO 16120-4:2017		C12D2 - Nr. 1.1124
Steel rod, bars and wire for cold heading and cold extrusion	Non Alloy Steel	Steels with average C < 0,12% or Rm < 400 MPa

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,10 to 0,14	0,30 max	from 0,30 to 0,50	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)
C12D2	C12D2	G 10120	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
1012	-	-	-	-	-	

Data contained in this document are intended for reference only and may be subject to continuous changes.

Giuseppe & F. lli Bonaiti SRL declines any and all responsibility for the consequences that may arise from their use.