



STANDARD

CLASSIFICATION

FEATURES

EN ISO 16120-4:2017		C38D2 - Nr. 1.1150
Steel rod, bars and wire for cold heading and cold extrusion	<i>Non Alloy Quality Steel</i>	Steels with average 0,12% = < C < 0,25% or 400 MPa = < Rm < 500 MPa

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,36 to 0,40	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)
C38D2	C38D2	FM 38	C38 D 2	C38D2	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	S35CM	-	-	-	-	