



STANDARD

UNI EN 10263-3: 2017

Non Alloy Steel Wire Rod For Conversion to Wire - general purpose wire rod

CLASSIFICATION

Non Alloy Steel

FEATURES

C10E2C - Nr. 1.1122

Steels with average 0,25% = < C < 0,55% or 500 MPa
=< Rm < 700 MPa

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,08 to 0,12	0,30 max	from 0,30 to 0,60	0,025 max	0,025 max	-	-
Mo	Ni	B	Cu	Al	Pb	
-	-	-	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	-	-	-	-	-	-	390	67	430	65	-	-
5	10	450	58	400	65	540	56	380	67	420	65	490	62
10	40	450	58	400	65	530	56	380	67	420	65	480	62
40	100	450	58	400	65	-	-	-	-	-	-	-	-

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)
C10E2C	C10C	-	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	SWRCH 10 K	-	-	-	-	

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