



## STANDARD

## CLASSIFICATION

## FEATURES

**UNI EN 10263-2: 2017**

**C20C - Nr. 1.0411**

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

*Non Alloy Steel*

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

## CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,18 to 0,22	0,10 max	from 0,70 to 0,90	0,025 max	0,025 max	-	-
Mo	Ni	B	Cu	Al	Pb	
-	-	-	-	from 0,020 to 0,060	-	

## 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	-	-	-	-	-	-	470	67	510	63	-	-
5	10	560	55	480	65	650	53	460	67	500	63	570	60
10	40	560	55	480	65	640	53	460	67	500	63	560	60
40	100	560	55	480	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)
C20C	C20	-	-	20	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
1020	S20C	-	-	-	-	

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