



## STANDARD

## CLASSIFICATION

## FEATURES

**UNI EN 10263-4: 2017**

Non Alloy Steel Wire Rod For Conversion to Wire - wire rod for specials applications

*Non Alloy Steel*

**23B2 - Nr. 1.5508**

Structural pressure vessel and engineering steels with C < 0,5%

## CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,20 to 0,25	0,30 max	from 0,60 to 0,90	0,025 max	0,025 max	0,30 max	-
Mo	Ni	B	Cu	Al	Pb	
-	-	from 0,0008 to 0,005	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	-	-	-	-	-	-	480	68	520	66	-	-
5	10	600	60	490	66	690	55	470	68	510	66	580	61
10	25	600	60	490	66	680	55	470	68	510	66	570	61

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)
23B2	22B2	21B3	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
1021	SWRCHB 220	-	-	-	-	

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