



STANDARD

CLASSIFICATION

FEATURES

UNI EN 10263-3: 2017

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

Non Alloy Steel

22MnB4 - Nr. 1.5522

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

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,20 to 0,24	0,30 max	from 0,90 to 1,20	0,025 max	0,025 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	-	-	-	-	-	-	520	64	560	62	-	-
5	10	600	55	520	62	720	53	500	64	540	62	630	59
10	40	600	55	520	62	710	53	500	64	540	62	620	59

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)
22MnB4	22MnB4	-	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	-	-	-	-	-	

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