



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

17MnB4 - Nr. 1.5520

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

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,15 to 0,20	0,30 max	from 0,90 to 1,20	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	-	-	-	-	-	-	470	69	510	67	-	-
5	10	570	60	480	67	660	55	460	69	500	67	570	62
10	25	570	60	480	67	650	55	460	69	500	67	560	62

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)
17MnB4	17MnB4	-	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	-	-	-	-	-	

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