



STANDARD

CLASSIFICATION

FEATURES

UNI EN 10263-4: 2017

Steel rods, bars and wire for cold heading and cold extrusion - case hardening steels

Non Alloy Special Steel

17B2 - Nr. 1.5502

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 0,60 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	-	-	-	-	-	-	450	70	490	68	-	-
5	10	540	60	460	68	630	55	440	70	480	68	550	63
10	25	540	60	460	68	620	55	440	70	480	68	540	63

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)
17B2	17B2	-	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
1017	-	-	-	-	-	

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