



STANDARD

CLASSIFICATION

FEATURES

UNI EN 10263-2: 2017

Heat treatable steels, alloy steels and free-cuttings steels - non alloy steels for quencing and tempering

Steel

C2C - Nr. 1.0314

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

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
0,03 max	0,10 max	from 0,20 to 0,40	0,020 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	-	-	-	-	-	-	310	80	350	75	-	-
5	10	360	75	-	-	450	70	300	80	340	75	-	-
10	40	360	75	-	-	440	70	300	80	340	75	-	-
40	100	360	75	-	-	440	68	300	80	340	75	-	-

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)
C2C	-	-	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	-	-	-	-	05kp	

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