



STANDARD

CLASSIFICATION

FEATURES

UNI EN 10263-3: 2017

Heat treatable steels, alloy steels and free-cuttings steels - free-cutting steels

Non-alloy quality steel not intended for heat treatment

15B2 - Nr. 1.5501

Steels with higher P or S content

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,13 to 0,16	0,30 max	from 0,60 to 0,80	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	-	-	-	-	-	-	440	67	480	65	-	-
5	10	500	58	450	65	590	56	430	67	470	65	540	62
10	40	500	58	450	65	580	56	430	67	470	65	530	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)
15B2	15B2	-	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	-	-	-	-	-	

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