



## STANDARD

**UNI EN 10263-3: 2017**

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

## CLASSIFICATION

*Non-alloy quality steel not intended for heat treatment*

## FEATURES

**C15E2C - Nr. 1.1132**

Steels with higher P or S content

## CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,13 to 0,17	0,30 max	from 0,30 to 0,60	0,025 max	0,025 max	-	-
Mo	Ni	B	Cu	Al	Pb	
-	-	-	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	-	-	-	-	-	-	420	67	460	65	-	-
5	10	480	58	430	65	570	56	410	67	450	65	520	62
10	40	480	58	430	65	560	56	410	67	450	65	510	62
40	100	480	58	430	65	-	-	-	-	-	-	-	-

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)
C15E2C	CQ15	G 10150	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
1015	-	-	-	-	15kp	

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