



## 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

**C17E2C - Nr. 1.1147**

Steels with higher P or S content

## CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,15 to 0,19	0,30 max	from 0,60 to 0,90	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	-	-	-	-	-	-	440	67	480	65	-	-
5	10	530	58	450	65	630	56	430	67	470	65	550	62
10	40	530	58	450	65	620	56	430	67	470	65	540	62
40	100	530	58	450	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)
C17E2C	-	-	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	-	-	-	-	-	

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