



## STANDARD

## CLASSIFICATION

## FEATURES

**UNI EN ISO 683-1: 2018**

Steel rods, bars and wire for cold heading and cold extrusion - steels for quenching and tempering

*Alloy special steel*

**C25E - Nr. 1.1158**

B, Mn-B Mn < 1.65 %

## CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,22 to 0,29	from 0,10 to 0,40	from 0,40 to 0,70	0,025 max	0,035 max	0,40 max	Cr+Mo+Ni = < 0,63
Mo	Ni	B	Cu	Al	Pb	
0,10 max	0,40 max	-	0,30 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	16	-	-	470	22	-	-	-	-	-	-	-	-
16	100	-	-	440	23	-	-	-	-	-	-	-	-

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)
C25	Ck25	XC25	C25	25	-	C25E4
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
1025	S25C	070M26	-	-	25	

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