



STANDARD

CLASSIFICATION

FEATURES

UNI EN ISO 683-4: 2018

Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties

Alloy special steel

11SMn30 - Nr. 1.0735

Cr-Mo with Mo < 0.35 % , Cr-Mo-B

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
0,14 max	0,05 max	from 0,90 to 1,30	0,011 max	from 0,27 to 0,33	-	-
Mo	Ni	B	Cu	Al	Pb	
-	-	-	-	-	-	

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
5	40	from 380 to 570	-	-	-	-	-	-	-	-	-	-	-
40	63	from 370 to 570	-	-	-	-	-	-	-	-	-	-	-

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)
11SMn30	9SMn28	S250	CF9SMn28	Y15	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
1215	SUM 22	230M07	F.2111	-	-	

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