



STANDARD

CLASSIFICATION

FEATURES

UNI EN ISO 683-4: 2018

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

Alloy special steel

11SMnPb37 - Nr. 1.0737

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 1,00 to 1,50	0,011 max	from 0,34 to 0,40	-	-
Mo	Ni	B	Cu	Al	Pb	
-	-	-	-	-	from 0,20 to 0,35	

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)
11SMnPb37	9SMnPb36	S300Pb	CF9SMnPb36	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
12L14	-	-	F.2114	-	-	

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