



STANDARD

CLASSIFICATION

FEATURES

UNI EN 10263-4: 2017

Heat treatable steels, alloy steels and free-cuttings steels - non alloy steels for quenching and tempering

Steel

34CrMo4 - Nr. 1.7220

Structural pressure vessel and engineering steels with C < 0,5%

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,30 to 0,37	0,30 max	from 0,60 to 0,90	0,025 max	0,025 max	from 0,90 to 1,20	-
Mo	Ni	B	Cu	Al	Pb	
from 0,15 to 0,30	-	-	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	-	-	-	-	-	-	590	62	630	60	-	-
5	40	-	-	600	60	-	-	580	62	620	60	-	-

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)
34CrMo4	34CrMo4	34CD4	34CrMo4	30CrMo	25CrMo4	34CrMo4
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
4135	SCM435H	708A30	F.1254	2234	35ChM	

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