



STANDARD

CLASSIFICATION

FEATURES

UNI EN 10269: 2013

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

Non-alloy quality special steel

25CrMo4 - Nr. 1.7218

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

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,22 to 0,29	0,40 max	from 0,60 to 0,90	0,025 max	0,035 max	from 0,90 to 1,20	-
Mo	Ni	B	Cu	Al	Pb	
from 0,15 to 0,30	-	-	-	-	-	

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	60	-	-	580	59	-	-	-	-	-	-	-	-

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)
25CrMo4	25CrMo4	25CD4	25CrMo4	30CrMo	25CrMo4	25CrMo4
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
4130	SCM420	708A25	F.222	2225	22ChM	

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