



STANDARD

CLASSIFICATION

FEATURES

UNI EN 10263-4: 2017		42CrMo4 - Nr. 1.7225
Non Alloy Steel Wire Rod For Conversion to Wire - wire rod for specials applications	<i>Non Alloy Steel</i>	Structural pressure vessel and engineering steels with C < 0,5%

CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,38 to 0,45	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	-	-	-	-	-	-	620	60	660	58	-	-
5	40	-	-	630	58	-	-	610	60	650	58	-	-

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)
42CrMo4	42CrMo4	42CD4	42CrMo4	42CrMo	42CrMo4	42CrMo4
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
4140	SCM440H	708M40	F.1252	2244	38ChM	

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