



STANDARD

CLASSIFICATION

FEATURES

UNI EN 10263-4: 2017

Non Alloy Steel Wire Rod For Conversion to Wire - wire rod for specials applications

Non Alloy Steel

41Cr4 - Nr. 1.7035

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	
-	-	-	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	-	-	-	-	-	-	610	60	650	58	-	-
5	40	-	-	620	58	-	-	600	60	640	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)
41Cr4	41Cr4	42C4	41Cr4	40Cr	-	41Cr4
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
5140	SCR440H	530M40	F.1202	-	40KH	

Data contained in this document are intended for reference only and may be subject to continuous changes.

Giuseppe & F. lli Bonaiti SRL declines any and all responsibility for the consequences that may arise from their use.