



**STANDARD**

**CLASSIFICATION**

**FEATURES**

*EN ISO 16120-4:2017*

Non Alloy Steel Wire Rod For Conversion to Wire - general purpose wire rod

*Non Alloy Steel*

*C48D2 - Nr. 1.1164*

Steels with average 0,12% = < C < 0,25% or 400 MPa  
= < Rm < 500 MPa

**CHEMICAL ANALYSIS**

C	Si	Mn	P	S	Cr	Other
from 0,46 to 0,50	from 0,10 to 0,30	from 0,50 to 0,70	0,02 max	0,025 max	0,10 max	N - 0,007 max
Mo	Ni	B	Cu	Al	Pb	
0,05 max	0,10 max	-	0,15 max	0,01 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	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)
C48D2	C48D2	FM 48	C48 D 2	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	-	-	-	-	-	

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