



## STANDARD

## CLASSIFICATION

## FEATURES

### UNI EN 10269: 2013

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

Steel

### 35B2 - Nr. 1.5511

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

## CHEMICAL ANALYSIS

C	Si	Mn	P	S	Cr	Other
from 0,32 to 0,39	0,40 max	from 0,50 to 0,80	0,030 max	0,015 max	-	-
Mo	Ni	B	Cu	Al	Pb	
-	-	from 0,0008 to 0,005	-	0,02 min	-	

## 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	-	-	570	62	-	-	-	-	-	-	-	-

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)
35B2	35B2	35B3	-	-	-	-
USA (SAE)	JAPAN (JIS)	UK (BS)	SPAIN (UNE)	SWEDEN (SS)	RUSSIA (GOST)	
-	SWRCHB 237	-	-	-	-	

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