

low alloy steel Europe standard DIN 17102 W St E 460 steel plate

W St E 460 steel plate, DIN 17102 W St E 460 steel plate, under DIN 17102 standard, we can regard W St E 460 steel plate as High Yield steel plate

W St E 460 steel plate is one of the mainly High Yield steel, Steel sheet W St E 460 shall be at minus 20 centi degree on transverse at minimum 30 J impacting energy. Now we list the mechanical property table of steel W St E 460 as belows:

W St E 460 Chemical composition cast analysis

Element	P460NH Max %	Element	P460NH max %
C	0.20	Cr	0.30
Si	0.60	Cu	0.70
Mn	1.10-1.70	Mo	0.10
P	0.025	Nb	0.05
S	0.015	Ni	0.80
AL	0.020	Ti	0.03
N	0.025	V	0.20

W St E 460 Mechanical properties, longitudinal min impact energy

Grade	Type	Thickness	Yield Strength	Tensile Strength	Elongation	Impact Energy
		(mm)	MPa (min)	MPa	% (min)	(KV J) (min)
P460NH	Normalized	≤ 16	460	570-720	17	30
		16> to ≤40	445	570-720	17	30
		40> to ≤60	430	570-720	17	30
		60> to ≤100	400	540-710	17	30
		100> to ≤150	400	540-710	17	30
		150> to ≤250	400	540-710	17	30

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