



BOILER PLATES

QUALITY	P460NH
STEEL NUMBER	1.8935
NORM	EN 10028-3
CERTIFICATION	3.1 / 3.2 - EN 10204 / TCM
HEAT TREATMENT	Normalized

Mechanical properties :

Thickness mm.	Min. yield (Mpa)	Min. yield Rp 0,2 (Mpa)	Tensile strength (Mpa)	Min. Elongation (%)	Min. Impact Energy (KV J transverse)				
					-50°	-40°	-20°	0°	+20°
≤ 16	460	261	570 - 720	17	-	-	30	40	50
> 16 ≤ 40	445	253	570 - 720	17	-	-	30	40	50
> 40 ≤ 60	430	244	570 - 720	17	-	-	30	40	50
> 60 ≤ 100	400	227	540 - 710	17	-	-	30	40	50
> 100 ≤ 150	*	*	*	*	-	-	30	40	50
> 150 ≤ 250	*	*	*	*	-	-	30	40	50

* values may be agreed at time of order

Chemical composition :

C	Si	Mn	P	S	Al	N	Cr	Cu	Mo	Nb	Ni	Ti	V
max.	max.		max.	max.	min.	max.	max.	max.	max.	max.	max.	max.	max.
0,20	0,60	1,10 - 1,70	0,025	0,015	0,020	0,025	0,30	0,70	0,10	0,05	0,80	0,03	0,20

Nb + Ti + V max. 0,22%

Available from stock :

Length	Width	Thickness
max. 14000 mm.	2000 / 2500 / 3000 mm.	8 - 100 mm.

* Please note that the information mentioned above is a brief summary.

For full specification, we refer to the actual norm.