



<b>QUALITY</b>	<b>S355NL</b>
<b>STEEL NUMBER</b>	1.0546
<b>NORM</b>	EN 10025-3
<b>CERTIFICATION</b>	3.1 / 3.2 - EN 10204 / TCM
<b>HEAT TREATMENT</b>	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	355	-	470 - 630	22	16	20	27	34	40
> 16 ≤ 40	345	-	470 - 630	22	16	20	27	34	40
> 40 ≤ 63	335	-	470 - 630	22	16	20	27	34	40
> 63 ≤ 80	325	-	470 - 630	22	16	20	27	34	40
> 80 ≤ 100	315	-	470 - 630	22	16	20	27	34	40
> 100 ≤ 150	295	-	450 - 600	22	16	20	27	34	40

### 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.
0,18	0,50	0,90 - 1,65	0,030	0,025	0,020	0,015	0,30	0,35	0,10	0,05	0,50	0,03	0,12

### Available from stock :

Length	Width	Thickness
max. 14000 mm.	2000 / 2500 / 3000 mm. 3250 / 3500 mm. 4000 mm.	6 - 200 mm. max. 60 mm. max. 30 mm.

\* Please note that the information mentioned above is a brief summary.  
For full specification, we refer to the actual norm.