



GRADE D

SHIPBUILDING

◆ PLATES

QUALITY	GRADE D
STEEL NUMBER	N.A.
NORM	ACC. TO THE RULES OF CLASSIFICATION
CERTIFICATION	3.2 - EN 10204 / TCM
HEAT TREATMENT	AS ROLLED / > 35 MM N / NR / TM
DEOXIDATION	KILLED / SEMI-KILLED (AL)

◆ MECHANICAL PROPERTIES:

Thickness mm.	Min. yield (Mpa)	Tensile strenght (Mpa)	Min. Elongation (%)	Min. Impact Energy (KV J longitudinal)
				-20°
≤ 50	235	400-520	22	27
> 50 ≤ 70	235	400-520	22	34
> 70 ≤ 100	235	400-520	22	41

◆ CHEMICAL COMPOSITION:

C	Mn	S	SI	P	Al
max.	min.	max.		max.	min.
0,21	0,60	0,035	0,10-0,35	0,035	0,015
C + 1/6 Mn ≤ 0,40%					

◆ AVAILABLE FROM STOCK:

Length:	Width:	Thickness:
max. 14000 mm	2000/2500/3000 mm	3 - 150 mm
max. 14000 mm	3250/3500 mm	max. 60 mm
max. 12000 mm	4000 mm	max. 30 mm

DE JONG & LAVINO

METAL SUPPLY
& PROCESSING
GROUP

VISITING ADDRESS

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PLEASE NOTE THAT THE INFORMATION MENTIONED ABOVE IS A BRIEF SUMMARY.
FOR FULL SPECIFICATION, WE REFER TO THE ACTUAL NORM.