

SA 516 GR.70 Plates

EQUIVALENT GRADE

British Standard	European Norm	ASTM/ASME	DIN
BS1501-224-490A/B	EN10028 P355GH	A/SA515 – Grade 70	–

SPECIFICATION

Grade	ASME SA 516 GR.60 Boiler and Pressure Vessel Steel Plates
Width	3mm-600mm
Thickness	3 – 200 mm/ dimensions up to 4.000 mm
Length	3000mm-11000mm.
Production	Hot-Rolled (HR)
Heat Treatment	Rolled/Normalised/N+T/QT

CHEMICAL COMPOSITION

C	Si	Mn	P	S	Al	Cr	Cu	Ni	Mo	Nb	Ti	V
0.18	0.4	0.95/1.50	0.015	0.008	0.02 (Min)	0.3	0.3	0.3	0.08	0.01	0.03	0.02

MECHANICAL PROPERTIES

Tensile strength (ksi)	Yield strength (ksi)	Elongation min, % 200 mm (8 in)	Elongation min, % 50 mm (2 in)
485-620 (70-90)	260 (38)	17	21

Plate Size available Ex-Stock

1mm	2mm	3mm	4mm	6mm	8mm	10mm	12mm	14mm	16mm	20mm	25mm	30mm	32mm	36mm	40mm
45mm	50mm	63mm	70mm	72mm	75mm	80mm	90mm	100mm	110mm	130mm	150mm	170mm	180mm	200mm	
230mm	270mm	300mm													

Makes/Brands Available: SAIL, TATA, JSW, JSPL, Essar, POSCO, Uttam

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