



Masteel

the solution to your steel requirements



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Carbon & Alloy Pressure Vessel Steel Plate

Masteel are pleased to offer a wide range of Carbon and Alloy steel plates, available ex-stock from their warehouse in the UK. All British, American and European specifications are available.

Full processing facilities are available which include profile cutting, machining, drilling, sawing to length, rolling, bending, dishing, shot-blasting and painting.

Our "Fast Track" option allows for material to be produced according to your contract requirements in the minimum time possible thus ensuring that projects are kept to budget and to schedule.

(Fast Track is available subject to order criteria – please ask our sales department for further details)

Dimensions Available:

Length: 18,000mm Max,

Width: 4,000mm Max,

Thickness: 200mm Max

Boiler Plate & Pressure Vessel Steels

BS 1501 161 430B
BS 1501 223 490B
BS 1501 224 490B LT50
BS 1501 225 490B LT50
BS EN 10028 P265 GH
BS EN 10028 P355 NL1
BS EN 10028 P460 NL1
ASME SA 516 GR 60
ASME SA 516 GR 65
ASME SA 516 GR 70
(Including HIC Resistant)

Chrome Molybdenum Steels

ASME SA387 Grade 12 Class 2
1% Cr, ½% Mo
BS1501 620B
BS EN 10028-2 13 Cr Mo 45

ASME SA387 Grade 11 Class 2
1¼% Cr, ½% Mo
BS1501 621B

ASME SA387 Grade 22 Class 2
2¼% Cr, 1% Mo
BS EN 10028-2 10 Cr Mo 910

ASME SA387 Grade 5 Class 2
5% Cr, ½% Mo

ASME SA387 Grade 91 Class 2
9% Cr, 1% Mo

ASME SA387 Grade 9 Class 2
9% Cr, 1% Mo

Material Supplied in accordance with company [Terms & Conditions of Sale](#)

Pressure Vessel Grades & Equivalents

Equivalent Specifications & Standards				Chemical Composition Maximum (unless stated)													Mechanical Values	
BS	EN	ASTM/ ASME	DIN	C	Si	Mn	P	S	Al	Cr	Cu	Ni	Mo	Nb	Ti	V	Tensile N/mm ²	Yield / min N/mm ²
161-360A	P235GH	A 285-C	H 1	0.16	0.35	0.40 /1.20	0.03	0.025	0.02	0.3	0.3	0.3	0.08	0.01	0.03	0.02	360 /480	235
161-430A	P265GH	A 516 - 60	H 11	0.2	0.4	0.50 /1.40	0.03	0.025	0.02	0.3	0.3	0.3	0.08	0.01	0.03	0.02	410 /530	265
223-490A/B	-	-	-	0.2	0.4	0.50 /1.40	0.03	0.025	0.02	0.3	0.3	0.3	0.08	0.01	0.03	0.02	410 /530	265
224-460A/B	P295GH	A 516 - 65	17 MN 4	0.08 /0.20	0.4	0.90 /1.50	0.03	0.025	0.02	0.3	0.3	0.3	0.08	0.01	0.03	0.02	460 /580	295
224-490A/B	P355GH	A 516 - 70	-	0.10 /0.22	0.6	1.00 /1.70	0.03	0.025	0.02	0.3	0.3	0.3	0.08	0.01	0.03	0.02	510 /650	355
225-490A/B	P355N/NH	-	19 MN 6	0.2	0.5	0.90 /1.70	0.03	0.025	0.02	0.3	0.3	0.5	0.08	0.05	0.03	0.1	490 /630	355
243	16 M03	A 204-A	15 MO 3	0.12 /0.20	0.35	0.40 /0.90	0.03	0.025	-	0.3	0.3	0.3	0.25 /0.35	-	-	-	440 /590	275
620 B	13 CRM0 45	A387-12-2	13 CRM0 44	0.08 /0.18	0.35	0.40 /1.00	0.03	0.025	-	0.70 /1.15	0.3	-	0.40 /0.60	-	-	-	450 /600	300
621 B	-	A387-11-2	-	0.09 /0.17	0.50 /0.80	0.40/ 0.65	0.025	0.015	0.02	1.00 /1.50	0.3	0.3	0.45 /0.60	-	-	-	515 /690	340
622-515B	10 CRM0 910	A387-22-2	10 CRM0 910	0.08 /0.14	0.5	0.40 /0.80	0.03	0.025	-	2.00 /2.50	0.3	-	0.90 /1.10	-	-	-	520 /630	310
-	-	A387-5-2	-	0.15	0.5	0.30 /0.60	0.035	0.03	-	4.00 /6.00	0.3	-	0.45 /0.65	-	-	-	515 /690	310
-	-	A387-9-2	-	0.15	1	0.30 /0.60	0.03	0.03	-	8.0 /10.0	-	-	0.90 /1.10	-	-	-	515 /690	310

Please note the above chart is for guidance only for exact specifications please check with our sales team.

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