



**ALFA GmbH**

# Boiler and Pressure Vessel Steel Plates

- Boiler and P.V. steel grades are characterized by yield strengths from minimum 235 N/mm<sup>2</sup> to minimum 460 N/mm<sup>2</sup> and by good weldability.

These steels find their way in the following applications:

- storage tanks, storage spheres
- pressure vessels
- boilers
- heat exchangers
- gas turbines

The fine-grain structural steel grades are suitable for mechanical forming and excellent welding.

## Available grades:

Europe				India	Japan	
EN 10028-2	EN 10028-3	EN 10028-4	EN 10028-5	IS 2002	JIS G 3115	JIS G 3103
P 235 GH				Gr. 1	SPV 235	SB 410
				Gr. 2 A		
P 265 GH						
	P 275 NH			Gr. 2 B		
	P 275 NL 1					
	P 275 NL 2					
16 Mo3						SB450M
P 295 GH					SPV 315	SB 450
13 Cr Mo 4-5						
P 355 GH	P 355 N	11 Mn Ni 5-3	P 355 M		SPV 355	SB 480
	P 355 NH	13 Mn Ni 6-3				
	P 355 NL 1		P 355 ML 1			
	P 355 NL 2		P 355 ML 2			
			P 420 M			
			P 420 MI1			
			P 420 MI2			
			P 460 M			
	P 460 NH					
	P 460 NL1		P 460 ML1			
	P 460 NI2		P 460 ML2			

U.K.	U.S.A.
BS1501	ASTM/ ASME
151 Gr. 360, 400, 430	A 285 Gr.A,B,C,D
161 Gr. 360, 400, 430	
154 Gr.360E,400E,430E	
164 Gr. 360, 400	
223 Gr. 460, 490	A 516 Gr.55,60,65,70
224 Gr.400,430,460,490	A 537 Class 1
	A 612
225 Gr. 490	A 662 Gr.A,B,C
	A387 Gr. 11 cl.2
	A 387 Gr. 12 cl.2
	A 662 Gr.A,B,C

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**Handelsregister:**  
**Steuernummer:**  
**USt-ID:**  
**EORI-Nummer:**

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DE 290 404 228  
DE 438610740178349

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BIC GENODEF1HH2 BLZ 201 900 03

Konto-Nr. 50330101

IBAN DE43 2019 0003 0050330101