

Steel for Boilers and Pressure Vessels NFA36205 A 48 CP/AP/FP steel plate

A 48 CP/AP/FP steel plate, NFA36205 A 48 CP/AP/FP steel plate, under NFA36205 standard, we can regard A 48 CP/AP/FP steel plate as Steel for Boilers and Pressure Vessels
 A 48 CP/AP/FP steel plate is one mainly of Steel for Boilers and Pressure Vessels, NFA36205 A48 CP/AP/FP steel plate P295GH steel is used in the fabrication of industrial pressure vessels and boilers. It is an NFA36205 specified grade which governs steels used in pressured service

A 48 CP NFA 36-205	Comparision of steel grades	
	DIN 17155	17 Mn 4
	EN 10028-2	P295GH
	UNI 5869	Fe 460-1KW
	BS 1501	224 Gr. 490
	UNE 36087	A 47 RCI
	ASTM	A 414 Gr. F / A 516 Gr. 65
	JIS G3115	SPV 32

Chemical Composition

Grade	C. %	Mn. %	S. max	N	Cu	Nb	Ti. max	Si.	P. max	AL.	Cr.	Mo.	Ni.	Vi
A48 CP	0.08-0.20	0.90-1.50	0.015	≤0.012	≤0.30	≤0.020	0.03	≤0.40	0.025	≤ 0.020	≤0.30	≤0.08	≤0.30	≤0.02

Mechanical Properties

Grade	Type	Thickness mm	Yield strengthMpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KVJ) (min)		
						-20°	0°	+20
A 48 CP	Normalized	≤16 16>to≤40	295	460-580	21	27	34	40
		40>to≤60	290	460-580	21	27	34	40
		60>to≤100	285	460-580	21	27	34	40
		100>to≤150	260	460-580	21	27	34	40
		150>to≤250	235	440-570	21	27	34	40
			220	430-570	21	27	34	40

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Tel:0086-371-86151527

E-mail:bb@bebonchina.com

Fax: 0086-371-86011881

MSN:bebonchina@hotmail.com

Skype: bebonchina

Web:http://www.shipbuilding-steel.com

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.