



DIN 17155 HII steel plate/sheet for gas cylinders and gas vessels

HII steel plate/sheet, DIN 17155 HII steel plate/sheet, under DIN 17155 standard, we can regard HII steel plate/sheet for gas cylinders and gas vessels.

HII steel plate/sheet is one mainly of Steel for gas cylinders and gas vessels. DIN 17155 HII steel grade is for heat resistant plates in grade HI, HII, 17 Mn4, 15 Mo3, 13CrMo44, 10CrMo910 and AST41 steel grade. DIN 17155 HII is the German standard for pressure vessel steel. This standard is no longer active and has been superseded along with the old British Standard by EN 10028, the new Euro Norm standard.

H II DIN 17155 Number:1.0425	Comparision of steel grades	
	EN 10028-2	P265GH
	NFA 36-205	A 42 CP
	UNI 5869	Fe 410-1KW
	BS 1501	161 Gr.400/164 Gr.400/224 Gr. 400
	UNE 36087	A 42 RCI
	ASTM	A 414 Gr. E / A 516 Gr. 60
	JIS G3115	-

Chemical Composition

Grade	C. %	Mn. %	S. max	N	Cu	Nb	Ti. max	Si.	P. max	AL.	Cr.	Mo.	Ni.	Vi
HII	≤0.20	0.80-1.40	0.015	≤0.012	≤0.30	≤0.020	0.03	≤0.40	0.025	≤0.020	≤0.30	≤0.008	≤0.30	≤0.002

Mechanical Properties

Grade	Type	Thickness mm	Yield strength Mpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KJ)		
						-20°	0°	+20
		≤16 16>to≤40	265	410-530	22	27	34	40
		40>to≤60	255	410-530	22	27	34	40

Bebon steel — The most professional exporter on shipbuilding steel

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HII	Normalized	60>to≤100	245	410-530	22	27	34	40
		100>to≤150	215	410-530	22	27	34	40
		150>to≤250	200	400-530	22	27	34	40
			185	390-530	22	27	34	40

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