

### DIN 17155 HI steel plate/sheet for gas cylinders and gas vessels

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

HI steel plate/sheet is one mainly of Steel for gas cylinders and gas vessels. DIN 17155 HI steel grade is for heat resistant plates in grade HI, HII, 17 Mn4, 15 Mo3, 13CrMo44, 10CrMo910 and AST41 steel grade. DIN 17155 HI pressure vessel steel has now been superseded with the Euro Norm specification EN 10028.

Chemical analysis -% by mass\*

Mechanical properties

HI DIN17155 Material#.1.0111	Comparison of steel grades	
	EN10120	P245NB
	NFA36-211	BS1
	UNI7355	FeE24KR
	BS5045	Type A
	UNE36129	AE 235 KR
	JIS G3116	SG 255

Grade	C max	Si max	Mn. max	P max	S max	N max	AL min	Nb max	Ti max
HI	0.16	0.25	0.3	0.025	0.015	0.009	0.02	0.05	0.03

Grades	Yield Strength	Tensile	Fracture	
	ReH[N/mm2] transv.min.	Strength Rm[N/mm2]tr ansv.	thicknes s	Total elongatio n A1
HI	245	360 - 450	< 3 mm	≥ 26 %
			≥ 3 mm	≥ 34 %

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