

DIN 17155 19Mn6 steel plate/sheet for gas cylinders and gas vessels

19Mn6 steel plate/sheet, DIN 17155 19Mn6 steel plate/sheet, under DIN 17155 standard, we can regard 19Mn6 steel plate/sheet for gas cylinders and gas vessels.

19Mn6 steel plate/sheet is one mainly of Steel for gas cylinders and gas vessels. DIN 17155 19Mn6 steel is equal to EN P355NB, NFA BS6, UNI FeE35KR, BS Type E and JISG3116 SG365.

DIN17155 Materialno.1.0557	Comparison of steel grades	
	EN10120	P355NB
	NFA36-211	BS6
	UNI7355	FeE35KR
	BS5045	Type E
	JIS G3116	SG 365

Chemical analysis -% by mass*

Grades	C max	Si max	Mn. max	P max	S max	N max	AL min	Nb max	Ti max	V max
19 Mn 6	0.2	0.5	0.7	0.025	0.015	0.009	0.02	0.05	0.03	-

Mechanical properties

Grades	Yield Strength ReH[N/mm ²] transv.min.	Tensile Strength Rm[N/mm ²]trans v.	Fracture Elongation [%]transv. min.	
			thickness	Total elongation A1
19 Mn 6	355	510 - 620	< 3 mm	≥ 19%
			≥ 3 mm	≥ 24%

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