

Steel plate for for Boiler Pressure Vessel EN10028 P265GH

P265GH steel plate, EN10028 P265GH steel plates is a kind of material for boiler and pressure vessel steel. EN10028 P265GH steel plates is characterised by a minimum yield strength of 185 - 265 MPa and by good weldability,so P265GH steel is mainly used to for manufacturing boilers, pressure vessels and pipes transporting hot liquids.the following are EN10028 P265GH steel plate's Chemical composition and mechanical properties.

Chemical analysis -% by mass* (max)

Grade	C. %	Mn.%	S.	N	Cu	Nb	Ti.	Si.	P.	AL	Cr.	Mo.	Ni	Vi
P265GH	0.20	0.80-1.40	0.015	0.012	0.30	0.020	0.03	0.40	0.025	0.020	0.30	0.08	0.30	0.02

Mechanical properties

Grade	Type	Thickness mm	Yield strength Mpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KVJ) (min)		
						-20°	0°	+20
P265GH	Normalized	≤16	265	410-530	22	27	34	40
		16>to≤40	255	410-530	22	27	34	40
		40>to≤60	245	410-530	22	27	34	40
		60>to≤100	215	410-530	22	27	34	40
		100>to≤150	200	400-530	22	27	34	40
		150>to≤250	185	390-530	22	27	34	40

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