

DIN 17172 StE 415.7 steel plate/pipes for large diameter pipes

StE 415.7 steel plate, under DIN 17172 standard, we can regard StE 415.7 steel plate/pipes as large diameter pipes.

StE 415.7 steel pipes is one mainly of Steel for large diameter pipes, DIN 17172 StE 415.7 steel for the manufacture of buried pipelines for transporting natural gas can succumb to severe degradation due to corrosion by the soil through. The types of corrosion of steel that can be produced are often general corrosion and pitting.

The chemical composition of steel DIN 17172 StE 415.7 by [%]

C	Si	Mn	P	S	Cr	Ni	Al	Cu	Ti	V	Nb	N	Mo
0.007	0.22	1.63	0.01	0.005	0.011	0.011	0.008	0.013	0.010	0.072	0.052	0.008	0.228

Mechanical properties of StE 415.7 steel

Grade	Re (MPa)	Rm (MPa)	A (%)	Z (%)	Hardness HB	
					Externe face	Intern face
StE 415.7	541	627	27	42	196	159

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