



DIN 17172 StE 480.7 TM steel plate/pipes for large diameter pipes

StE 480.7 TM steel plate/pipes,under DIN 17172 standard, we can regard StE 480.7 TM steel plate/pipes as large diameter pipes.

StE 480.7 TM steel plate/pipes is one mainly of Steel for large diameter pipes,DIN 17172 StE 480.7 TM steel with the demands in mechanical properties of the pipes followed the DIN 17172 specification for grade StE 480.7 TM(YS is 485MPa, TS is from 600-750 MPa).It is well known that a low carbon bainitic microstructure offers an excellent combination of strength and toughness.

StE480.7TM DIN 17172 Material#1.8977	Comparison of steel grades	
	EU 113	-
	NBN629	-
	EN10208-2	L485MB
	API5L	X 70

Chemical composition-% by mass*

Grades	Material number	C max	Si max	Mn. mix	P max	S max
StE480.7 TM	1.8977	0.04-0.16	0.55	1.10-1.70	0.035	0.035

Mechanical properties

StE480.7 TM	Permissible yield point ratio	Yield Strength MPa(min)	Tensile Strength MPa	Elongation % (min)
	≤ 0.85	480	600 - 750	-

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