



API 5L X70 steel plate/pipes for large diameter pipes

X70 steel plate/pipes,under API 5L standard, we can regard X70 steel plate/pipes as large diameter pipes.

X70 steel plate/pipes is one mainly of Steel for large diameter pipes,API-X70 steel with the demands in mechanical properties of the pipes followed the API specification for grade X70 (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.

X 70 API5L Material#1.8977	Comparison of steel grades	
	EU 113	-
	NBN629	-
	DIN 17172	StE 480.7TM
	EN10208-2	L485MB

Chemical composition-% by mass*

Grades	Material number	C max	Si max	Mn. mix	P max	S max
X70	1.8977	0.04-0.16	0.55	1.10-1.70	0.035	0.035

Mechanical properties

Grade	Permissible yield point ratio	Yield Strength MPa(min)	Tensile Strength MPa	Elongation % (min)
X70	≤ 0.85	480	600 - 750	-

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