

API 5L X 70 steel plate/pipes for large diameter pipes

X 70 steel plate/steel for pipes, [API 5L X 70 steel plate/pipes](#), under API 5L standard, X 70 steel used for pipes,API 5L X 70 steel plate for pipe and tube using, API 5L X 70 steel supplier/Chinese supplier,X 70 steel manufacturer,X 70 steel price.

[X 70 steel plate/sheet](#) is in API 5L standard. It's grade Number is 1.8977. The equal material of X 70 is: DIN 17172 StE480.7 TM, EN10208-2 L 485MB.

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

Main chemical composition in [API 5L X 70 steel](#) : Carbon from 0.04 to 0.16, Manganese from 1.10 to 1.70,Sulphur max 0.035, Phosphorus max 0.035, Silicon max 0.55.More detailed information, please refer to the flowing table:
Chemical analysis -% 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

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 micro-structural offers an excellent combination of strength and toughness. More detailed information about API 5L X70 steel Mechanical Properties , please refer to the following table:

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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