

## Steel pipe and tube

Generally speaking, steel pipe is divided into seamless steel pipe and welded steel pipe . According to the application, there is many type stainless steel pipe, eg: for pipe line, for pressure vessels, for liquid conveyance and so on. About the welded steel pipe, there are: Longitudinal Submerged Arc Welded Steel Pipe ([SAWL steel pipe](#)), Spiral Submerged Arc Welded Steel Pipe (SSAW steel pipe ), High Frequency Longitudinal Resistance Welded steel pipe (ERW steel pipe ) and square and rectangular steel pipe .

Bebon international have a professional sales team in steel pipe. Our advantage is seamless steel pipe for pipe line and for liquid conveyance. The main product in this type steel are API 5L ASTM A53 OR ASTM A106 GRA,GRB, X48,X52. The out Diameter is from 3" to 48", wall thickness from 10SCH to100SCH. The length are Random length, Fixed Length, SRL, DRL.

Following are specification of seamless steel pipe for line pipe

Standard	Steel grade	Chemical composition %								
		C max	Mn max	P max	S max	Si	V	Nb	Ti	CEpcm max
API 5L PSL1	L210 or A	0.22	0.90	0.030	0.030	-	-	-	-	0.25
	L245 or B	0.28	1.20	0.030	0.030	-	-	-	-	0.25
	L290 or X42	0.28	1.30	0.030	0.030	-	-	-	-	0.25
	L320 pr X46	0.28	1.40	0.030	0.030	-	-	-	-	0.25
	L360 or X52	0.28	1.40	0.030	0.030	-	-	-	-	0.25
	L390 or X56	0.28	1.40	0.030	0.030	-	-	-	-	0.25
	L415 or X60	0.28	1.40	0.030	0.030	-	-	-	-	0.25

[API 5L seamless steel pipe Mechanical properties](#)

**Bebon steel — The most professional exporter on weathering resistant steel**

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Standard	Steel grade	Yield strength (min)	Tensile strength (min)
API 5LPSL1	L210 or A	210	335
	L245 or B	245	415
	L290 or X42	290	415
	L320 or X46	320	435
	L360 or X52	360	460
	L390 or X56	390	490
	L415 or X60	415	520

## Specification of seamless line for liquid conveyance

Standard	Grade	Chemical composition %								
		C max	Mn max	P max	S max	Si max	Cu max	Ni max	Mo max	V max
DIN	ST35	0.18	0.35- 0.65	0.035	0.035	0.15- 0.35	0.25	0.25	-	-
	ST45	0.25	0.50- 0.80	0.035	0.035	0.15- 0.35	0.25	0.25	-	-
	ST55	0.33- 0.41	0.50- 0.80	0.035	0.035	0.15- 0.35	0.25	0.25	-	-
	ST52	0.20	1.50	0.035	0.035	0.55	0.25	0.25	-	-
ASTM A53	A	0.25	0.95	0.05	0.045	-	0.40	0.40	0.15	0.08
	B	0.30	1.20	0.05	0.045	-	0.40	0.40	0.15	0.08

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ASTM A106	A	0.25	0.27- 0.93	0.035	0.035	0.10	0.40	0.40	0.15	0.08
	B	0.30	0.29- 1.06	0.035	0.035	0.10	0.40	0.40	0.15	0.08

[API 5L seamless steel pipe Mechanical properties](#)

Standard	Steel grade	Yiled strength (min) Mpa	Tensile strength (min) Mpa	Elongation% min
DIN	ST35	225	345-460	25
	ST45	245	440-550	21
	ST55	290	540-645	14
	ST52	355	490-630	17
ASTM A53	A	205	330	22
	B	240	415	20
ASTM A106	A	205	330	35(longitudinal)
	B	240	415	30(longitudinal)

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