



API 5L X52/X56 steel work / steel structure / steel machining parts

API 5L X52/X56 steel work/steel structure/steel machining parts use in conveying gas, water, and oil in both the oil and natural gas industries.

API 5L X52/X56 steel are used manufacturing two product specification levels(PSL1 and PSL2) of seamless and welded steel pipe.

API 5L X52/X56 steel work/steel structure/steel machining parts chemical composition

Grade	C max	Mn max	P max	S max
	Seamless pipe			
X52	0.28	1.40	0.030	0.030
X56	0.28	1.40	0.030	0.030
	Welded pipe			
X52	0.26	1.40	0.030	0.030
X56	0.26	1.40	0.030	0.030

API 5L X52/X56 steel work/steel structure/steel machining parts mechanical properties

Pipe grade	Pipe body of seamless and welded		Weld seam of EW,LW,SAW and COW pipes
	Yield strength mpa(psi) min	Tensile strength mpa(psi) min	Tensile strength mpa(psi) min
X52	360(52200)	460(66700)	460(66700)

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X56	390(56600)	490(71100)	490(71100)
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API 5L X52/X56 steel tolerances for wall thickness

Wall thickness t mm(in)	Tolerances mm(in)
SMLS pipe	
≤4.0(0.157)	+0.6(0.024), -0.5(0.020)
>4.0(0.157) to <25.0(0.984)	+0.150t.-0.125t
≥25.0(0.984)	+3.7(0.146)or+0.1t, -3.0(0.120)or-0.1t
Welded pipe	
≤5.0(0.197)	±0.5(0.020)
>5.0(0.197)to <15.0(0.591)	±0.1t
≥15.0(0.591)	±1.5(0.060)
<p>A if the purchase order specifies a minus tolerance for wall thickness smaller than the applicable value given in this table, the plus tolerance for wall thickness shall be increased by an amount sufficient to maintain the applicable tolerance range.</p> <p>B for pipe with $D \geq 355.6\text{mm}(14.000\text{ in})$ and $t \geq 25.0\text{mm}(0.984\text{ in})$, the wall-thickness tolerance locally may exceed the plus tolerance for wall thickness by an additional $0.05t$, provided that the plus tolerance for mass is not exceeded.</p> <p>C the plus tolerance for wall thickness does not apply to the weld area.</p>	

API 5L X52/X56 steel pipe size:

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Nominal Pipe Size 2" to 24" O.D.

Wall Thickness - Schedule 10 through 160, STD, XS, XXS.

API 5L X52/X56 steel work/steel structure/steel machining parts surface treatment:

Black painting, varnish paint, anti rust oil, hot galvanized, cold galvanized, 3PE.

Katalor is a qualified manufacturer in producing API 5L X52/X56 steel work/steel structure/steel machining parts, our advanced equipment and excellent team ensured we can meet the requirements of customers. If you need API 5L X52/X56 steel work/steel structure/steel machining parts (as long as you have the drawings), we can provide for you!



Shanghai Katalor Enterprises Co., Ltd located in Shanghai of China, is specialized in manufacturing and exporting steel and casting products. Based on the domestic rich product resources and professional research on

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international market, Katalor's service has already spread many countries in Europe, America, Southeast Asia, Middle East, South America, Africa, and so on.

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