



JASCO

Seamless Pipes

About Us

JASCO Seamless Pipes is an extended product line of Al Jazera Factories For Steel Products Co. Ltd.. JASCO Seamless Pipes are manufactured in China in accordance with American Petroleum Institute (API 5L) standard with sch 40 & sch 80 specification from size 1/2" to 24".

Imdadat Al Jazera Al Arabia Trading Co. is an industrial trading company of Aljazera group. Being an exclusive agent / distributor of JASCO Seamless Pipes in kingdom of Saudi Arabia and among the leading suppliers of industrial products we have vast experience, expertise, and a wide product range to fulfill our client's requirements across the industry.



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JASCO Seamless Pipe Applications



Petroleum Industry

Carbon steel seamless pipes are used for offshore and onshore oil applications in the domains of production, exploration and processing.



Gas Industry

Seamless pipes are widely used for high temperature and pressure operation in gas industry.

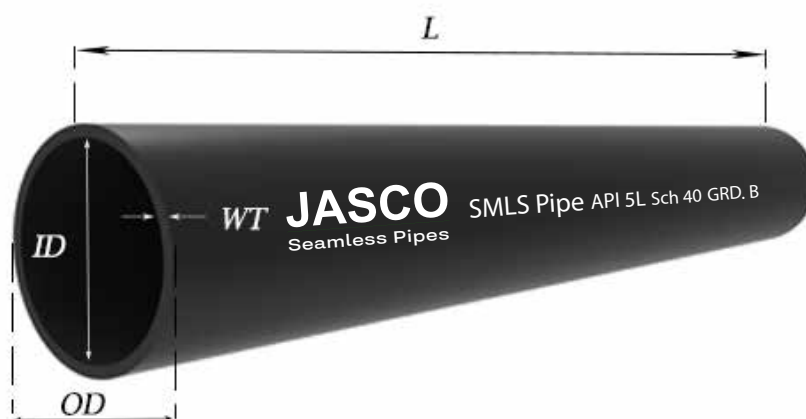


Water lines

Seamless pipe is regularly used in the transportation of fluids such as water.

Product Sizes

Nominal Pipe Size		OD (mm)	Standard Wall Thickness									
NPS	DN	D	SHC30	STD	SCH 40	SCH 60	SCH 80s	XS	SCH 80	SCH 100	SCH 120	SCH 160
1/8	6	10.3	---	1.73	1.73	---	2.41	2.41	2.41	---	---	---
1/4	8	13.7	---	2.24	2.24	---	3.02	3.02	3.02	---	---	---
3/8	10	17.1	---	2.31	2.31	---	3.2	3.2	3.2	---	---	---
1/2	15	21.3	---	2.77	2.77	---	3.73	3.73	3.73	---	---	4.78
3/4	20	26.7	---	2.87	2.87	---	3.91	3.91	3.91	---	---	5.56
1	25	33.4	---	3.38	3.38	---	4.55	4.55	4.55	---	---	6.35
1-1/4	32	42.2	---	3.56	3.56	---	4.85	4.85	4.85	---	---	6.35
1-1/2	40	48.3	---	3.68	3.68	---	5.08	5.08	5.08	---	---	7.14
2	50	60.3	---	3.91	3.91	---	5.54	5.54	5.54	---	---	8.74
2-1/2	65	73	---	5.16	5.16	---	7.01	7.01	7.01	---	---	9.53
3	80	88.9	---	5.49	5.49	---	7.62	7.62	7.62	---	---	11.13
3-1/2	90	101.6	---	5.74	5.74	---	8.08	8.08	8.08	---	---	---
4	100	114.3	---	6.02	6.02	---	8.56	8.56	8.56	---	11.13	13.49
5	125	141.3	---	6.55	6.55	---	9.53	9.53	9.53	---	12.7	15.88
6	150	168.3	---	7.11	7.11	---	10.97	10.97	10.97	---	14.27	18.26
8	200	219.1	7.04	8.18	8.18	10.31	12.7	12.7	12.7	15.09	18.26	23.01
10	250	273.1	7.8	9.27	9.27	12.7	12.7	12.7	15.09	18.26	21.44	28.58
12	300	323.9	8.38	9.53	10.31	14.27	12.7	12.7	17.48	21.44	25.4	33.32
14	350	355.6	9.53	9.53	11.13	15.09	---	12.7	19.05	23.83	27.79	35.71
16	400	406.4	9.53	9.53	12.7	16.66	---	12.7	21.44	26.19	30.96	40.49
18	450	457.2	11.13	9.53	14.27	19.05	---	12.7	23.83	29.36	34.93	45.24
20	500	508	12.7	9.53	15.09	20.62	---	12.7	26.19	32.54	38.1	50.01
22	---	559	12.7	9.53	---	22.23	---	12.7	28.58	34.93	41.28	53.98
24	600	610	14.27	9.53	17.48	24.61	---	12.7	30.96	38.89	46.02	59.54



Standard : API SEPC 5L

Tolerance on Dimension:

Standard	Outside Diameter		Wall Thickness
	Tolerance		Tolerance
API SPEC 5L	D < 60.3	+0.41mm,-0.40mm	+15%,-12.5%
API SPEC 5L	D ≥ 60.3	+0.75%D,-0.40mm	

Chemical Composition (%)

Standard	Grade	C	Mn	p	S
		max	max	max	max
API SPEC 5L	PSL1				
	B	0.28	1.2	0.03	0.03
	×42	0.28	1.3	0.03	0.03
	×46, ×52, ×56	0.28	1.4	0.03	0.03
	×60, ×65, ×70	0.28	1.4	0.03	0.03
	PSLS2				
	B	0.24	1.2	0.025	0.015
	×42	0.24	1.3	0.025	0.015
	×46, ×52, ×56	0.24	1.4	0.025	0.015
	×60, ×65, ×70	0.24	1.4	0.025	0.015

Standard : API SEPC 5L

Mechanical Properties

Standard	Grade	Yield strength		Tensile Strength		Elongation	Impact Energy	
		(MPa)		(MPa)		(%)	(J)	
API SPEC 5L	PSL1					See table 3 of API SPEC 5L		
	B	≥241		≥414				
	×42	≥290		≥414				
	×46	≥317		≥434				
	×52	≥359		≥455				
	×56	≥386		≥490				
	×60	≥414		≥517				
	×65	≥448		≥531				
	×70	≥483		≥565				
	PSL2							
		Min	Max	Min	Max			Min
	B	241	448	441	758			41(27)
	×42	290	496	414	758			41(27)
	×46	317	524	434	758			41(27)
	×52	359	531	455	758			41(27)
	×56	386	544	490	758			41(27)
	×60	414	565	517	758			41(27)
	×65	448	600	531	758			41(27)
	×70	483	621	565	758			41(27)

Note: Transverse impact energy requirements are shown in brackets.

Standard : ASTM A106, A53, ISO 3183 -2-1996

ASTM A106

Grade	Chemical Composition (%)									Mechanical Properties	
	C	Si	Mn	P.S	Cr	Mo	NI	Cu	V	(MPa) Tensile Strength	(MPa) Yield Strength
A	≤0.25	≥0.10	0.27~0.93	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥330	≥205
B	≤0.30	≥0.10	0.29~1.06	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥415	≥240
C	≤0.035	≥0.10	0.29~1.06	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥485	≥275

ASTM A53

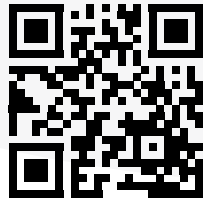
Grade	Chemical Composition (%)										Mechanical Properties	
	C	Si	Mn	P	S	Cu	Ni	Mo	Cr	V	(MPa) Tensile Strength	(MPa) Yield Strength
A	≤0.25	/	≤0.95	≤0.05	≤0.045	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08	≥330	≥205
B	≤0.30	/	≤1.20	≤0.05	≤0.045	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08	≥415	≥240

ISO 3183

Grade	Chemical Composition(%)									Mechanical Propertes		
	C	Si	Mn	P	S	V	Nb	Ti	Tensile Strength (MPa)		A (%)	
	max	max	max	max	max	max	max	max	min	min	min	
L245 or ×B	0.28	-	1.2	0.03	0.03	0.06	0.15	0.15	415	245	21	
L290 or ×42	0.28	-	1.3	0.03	0.03	0.15	0.15	0.15	415	290	21	
L320 or ×46	0.28	-	1.4	0.03	0.03	0.15	0.15	0.15	435	320	20	
L360 or ×52	0.28	-	1.4	0.03	0.03	0.15	0.15	0.15	460	360	19	
L390 or ×56	0.28	-	1.4	0.03	0.03	0.15	0.15	0.15	490	390	18	

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