



**KSP Steel
Trading House**

**KAZAKHSTAN MILL
OF SEAMLESS STEEL
PIPES**

- seamless steel pipes
- reinforcing bar
- rolled steel balls
- ferroalloys



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KSP Steel Trading House is an exclusive representative of Kazakhstan manufacturer of seamless steel pipes KSP Steel Mill

- KSP Steel Mill as the first Kazakhstan enterprise produces wide range of hot-rolled seamless steel pipes and different steel products. The Mill's products are mainly used in oil, gas and petrochemical industries as well as in construction, energy and machine-building.
- KSP Steel is an enterprise with completed cycle of production from raw material to finished products. The manufacturing complex includes steel-melting shop, pipe rolling facilities and pipe finishing line.
- Such integrated structure supported by the quality management system allows to achieve maximum effect of the company potential.

The Mill in figures:

- March 2007 – date of foundation
- 1,330,000 m² - total area occupied by the production facilities
- Staff of the Mill is more than 5,000 specialists
- Pipe production capacity – 350,000 tonnes

KSP Steel products meet requirements of the American Petroleum Institute and Russian standards

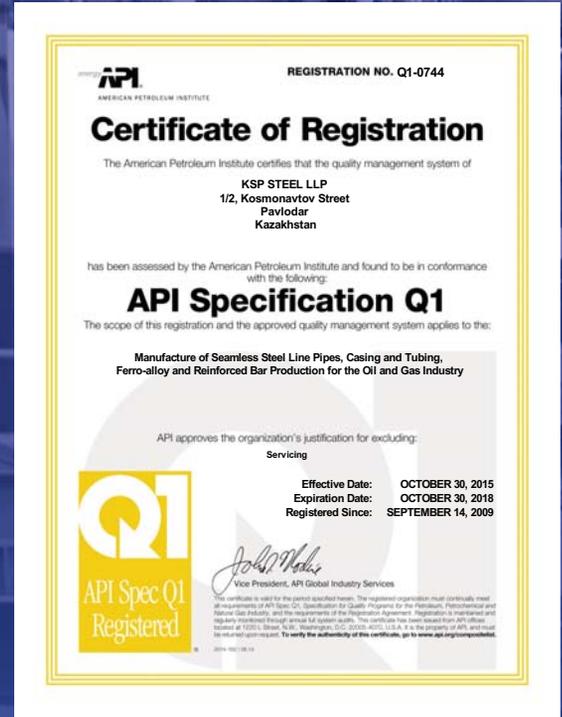
Competitive advantages of KSP Steel products:

- the absolute quality of seamless steel pipes, reinforcing bar, rolled steel balls, meeting the highest global standards which is provided by certificates of conformance;
- complete production cycle;
- products are made on up-to-date equipment of the leading global manufacturers, like Danieli, Kocks, Cartacci, Bronx, Colinet, Tuboscope, Sidermontaggi;
- the latest quality control equipment;
- powerful research and technology basis and highly qualified staff.

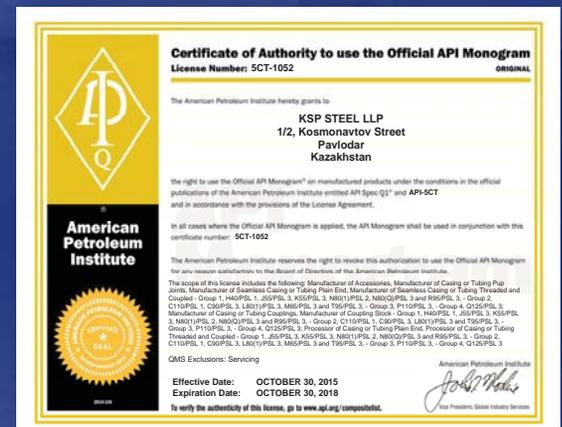
Licenses and Certificates

KSP Steel was successfully conducted compliance and recertification audits such as:

- recertification audit of quality management system on compliance with requirements of ISO 9001:2008
- inspection audit of the products on compliance with requirements of AD 2000-Merkblatt W0, European Directive 97/23/EC conducted by TUV SUD Management Service GmbH
- recertification audit on compliance with requirements of GOST 633-80, GOST 632-80, GOST R 53366-2009, GOST 8731-74
- inspection audit on compliance with requirements of TU 1317-005-96380705-2009, TU 1308-006-96380705-2009, TU 1321-007-96380705-2010
- certification audit on compliance with requirements of TU 14-3-1128-2000
- recertification audit on compliance with quality management system requirements API Spec Q1, right on usage of official monogram API 5CT and API 5L



Certificate API Spec Q1



Certificate API 5CT



Certificate API 5L



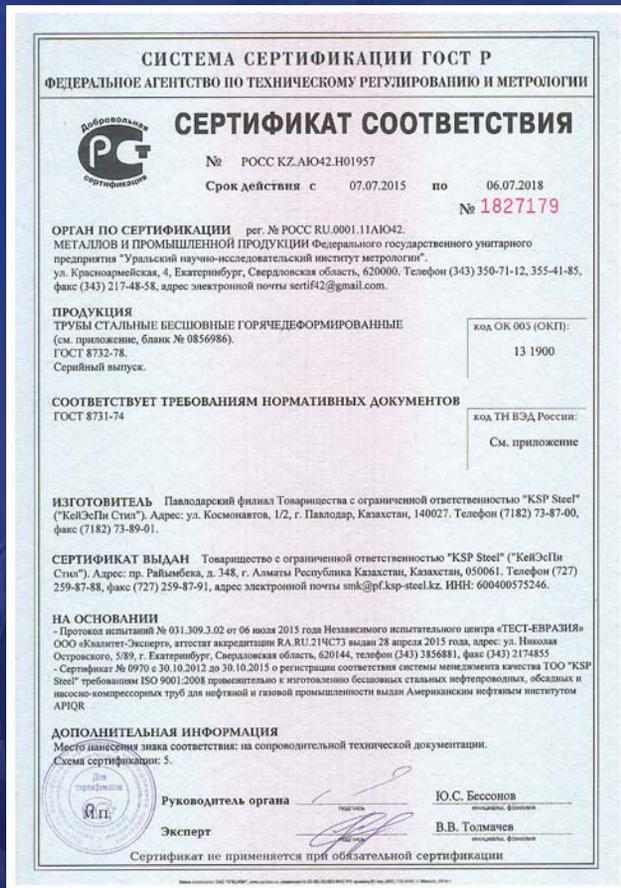
GOST 632-80



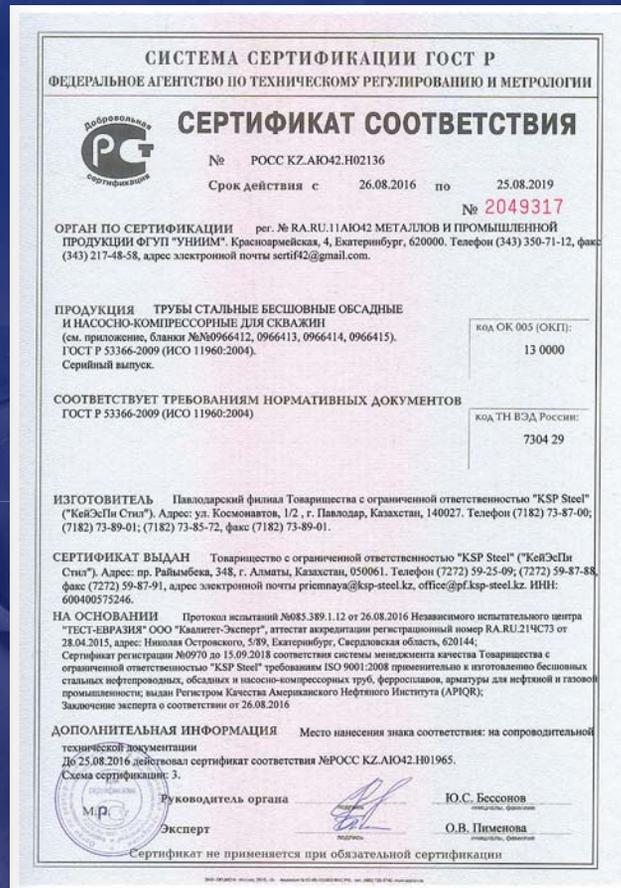
GOST 633-80



Certificate
ISO 9001:2008



GOST 8732-78



GOST P 53366-2009

Sales geography

KSP Steel products are successfully used for pipeline construction, in rig sites for oil and gas exploration and production, refinery, power generation, machine building and industrial mills of Russia, Kazakhstan, CIS countries etc.





Production range

Design capacity of KSP Steel mill is 270 thousand tons of Seamless Steel Pipes annually with possibility to expand up to 350 thousand tons p.a.





Seamless Tubing. API 5CT.

Sizes, masses, wall thickness, grades and applicable end-finish

Table 1

Lables			Outside diameter, D, mm	Nominal linear masses		Wall thickness, t, mm	Type of end finish						
1	2			Non-upset T&C, kg/m	Ext. upset T&C, kg/m		H40	J55	L80	N80 Тип 1, Q	C90	T95	P110
inch	NU T&C	EU T&C											
1	2	3	4	5	6	7	8	9	10	11	12	13	14
2-3/8	4,00	—	60,32	5,95	—	4,24	PN	PN	PN	PN	PN	PN	—
2-3/8	4,60	4,70	60,32	6,85	6,99	4,83	PNU	PNU	PNU	PNU	PNU	PNU	PNU
2-3/8	5,80	5,95	60,32	8,63	8,85	6,45	—	—	PNU	PNU	PNU	PNU	PNU
2-3/8	6,60	—	60,32	9,82	—	7,49	—	—	P	—	P	P	—
2-3/8	7,35	7,45	60,32	10,94	11,09	8,53	—	—	PU	—	PU	PU	—
2-7/8	6,40	6,50	73,02	9,52	9,67	5,51	PNU	PNU	PNU	PNU	PNU	PNU	PNU
2-7/8	7,80	7,90	73,02	11,61	11,76	7,01	—	—	PNU	PNU	PNU	PNU	PNU
2-7/8	8,60	8,70	73,02	12,80	12,95	7,82	—	—	PNU	PNU	PNU	PNU	PNU
2-7/8	9,35	9,45	73,02	13,91	14,06	8,64	—	—	PU	—	PU	PU	—
2-7/8	10,50	—	73,02	15,63	—	9,96	—	—	P	—	P	P	—
2-7/8	11,50	—	73,02	17,11	—	11,18	—	—	P	—	P	P	—
3-1/2	7,70	—	88,90	11,46	—	5,49	PN	PN	PN	PN	PN	PN	—
3-1/2	9,20	9,30	88,90	13,69	13,84	6,45	PNU	PNU	PNU	PNU	PNU	PNU	PNU
3-1/2	10,20	—	86,90	15,18	—	7,34	PN	PN	PN	PN	PN	PN	—
3-1/2	12,70	12,95	88,90	18,90	19,27	9,52	—	—	PNU	PNU	PNU	PNU	PNU
3-1/2	14,30	—	88,90	21,28	—	10,92	—	—	P	—	P	P	—
3-1/2	15,50	—	88,90	23,07	—	12,09	—	—	P	—	P	P	—
3-1/2	17,00	—	88,90	25,30	—	13,46	—	—	P	—	P	P	—
4	9,50	—	101,60	14,14	—	5,74	PN	PN	PN	PN	PN	PN	—
4	10,70	11,00	101,60	—	16,37	6,65	PU	PU	PU	PU	PU	PU	—
4	13,20	—	101,60	19,64	—	8,38	—	—	P	—	P	P	—
4	16,10	—	101,60	23,96	—	10,54	—	—	P	—	P	P	—
4	18,90	—	101,60	28,13	—	12,70	—	—	P	—	P	P	—
4	22,20	—	101,60	33,04	—	15,49	—	—	P	—	P	P	—
4-1/2	12,60	12,75	114,30	18,75	18,97	6,88	PNU	PNU	PNU	PNU	PNU	PNU	—
4-1/2	15,20	—	114,30	22,62	—	8,56	—	—	P	—	P	P	—
4-1/2	17,00	—	114,30	25,30	—	9,65	—	—	P	—	P	P	—
4-1/2	18,90	—	114,30	28,13	—	10,92	—	—	P	—	P	P	—
4-1/2	21,50	—	114,30	32,00	—	12,70	—	—	P	—	P	P	—
4-1/2	23,70	—	114,30	35,27	—	14,22	—	—	P	—	P	P	—
4-1/2	26,10	—	114,30	38,84	—	16,00	—	—	P	—	P	P	—

P = Plain end; N = Non-upset threaded and coupled; U = External upset threaded and coupled



Seamless Casing. API 5CT.

Sizes, masses, wall thickness, grades and applicable end-finish

Table 2

Labels		Outside diameter, D, mm	Nominal linear mass T&C, kg/m	Wall thickness, t, mm	Type of end-finish							
1	2				H40	J55 K55	M65	L80 R95	N80 Type 1, Q	C90 T95	P110	Q125
1	2	3	4	5	6	7	8	9	10	11	12	13
4-1/2	9,50	114,30	14,14	5,21	PS	PS	PS	—	—	—	—	—
4-1/2	10,50	114,30	15,63	5,69	—	PSB	PSB	—	—	—	—	—
4-1/2	11,60	114,30	17,26	6,35	—	PSLB	PLB	PLB	PLB	PLB	PLB	—
4-1/2	13,50	114,30	20,09	7,37	—	—	PLB	PLB	PLB	PLB	PLB	—
4-1/2	15,10	114,30	22,47	8,56	—	—	—	—	—	—	PLB	PLB
5	11,50	127,00	17,11	5,59	—	PS	PS	—	—	—	—	—
5	13,00	127,00	19,35	6,43	—	PSLB	PSLB	—	—	—	—	—
5	15,00	127,00	22,32	7,52	—	PSLB	PLB	PLB	PLB	PLB	PLB	—
5	18,00	127,00	26,79	9,19	—	—	PLB	PLB	PLB	PLB	PLB	PLB
5	21,40	127,00	31,85	11,10	—	—	PLB	PLB	PLB	PLB	PLB	PLB
5	23,20	127,00	34,53	12,14	—	—	—	PLB	PLB	PLB	PLB	PLB
5	24,10	127,00	35,86	12,70	—	—	—	PLB	PLB	PLB	PLB	PLB
5-1/2	14,00	139,70	20,83	6,20	PS	PS	PS	—	—	—	—	—
5-1/2	15,50	139,70	23,07	6,98	—	PSLB	PSLB	—	—	—	—	—
5-1/2	17,00	139,70	25,30	7,72	—	PSLB	PLB	PLB	PLB	PLB	PLB	—
5-1/2	20,00	139,70	29,76	9,17	—	—	PLB	PLB	PLB	PLB	PLB	—
5-1/2	23,00	139,70	34,23	10,54	—	—	PLB	PLB	PLB	PLB	PLB	PLB
6-5/8	20,00	166,28	29,76	7,32	PS	PSLB	PSLB	—	—	—	—	—
6-5/8	24,00	166,28	35,72	8,94	—	PSLB	PLB	PLB	PLB	PLB	PLB	—
6-5/8	28,00	166,28	41,67	10,59	—	—	PLB	PLB	PLB	PLB	PLB	—
6-5/8	32,00	166,28	47,62	12,06	—	—	—	PLB	PLB	PLB	PLB	PLB
7	17,00	177,80	25,30	5,87	PS	—	—	—	—	—	—	—
7	20,00	177,80	29,76	6,91	PS	PS	PS	—	—	—	—	—
7	23,00	177,80	34,23	8,05	—	PSLB	PLB	PLB	PLB	PLB	—	—
7	26,00	177,80	38,69	9,19	—	PSLB	PLB	PLB	PLB	PLB	PLB	—
7	29,00	177,80	43,16	10,36	—	—	PLB	PLB	PLB	PLB	PLB	—
7	32,00	177,80	47,62	11,51	—	—	PLB	PLB	PLB	PLB	PLB	—
7	35,00	177,80	52,09	12,65	—	—	—	PLB	PLB	PLB	PLB	PLB
7	38,00	177,80	56,55	13,72	—	—	—	—	PLB	PLB	PLB	PLB
7-5/8	24,00	193,68	35,72	7,62	PS	—	—	—	—	—	—	—
7-5/8	26,40	193,68	39,29	8,33	—	PSLB	PSLB	PLB	PLB	PLB	—	—
7-5/8	29,70	193,68	44,20	9,52	—	—	PLB	PLB	PLB	PLB	PLB	—
7-5/8	33,70	193,68	50,15	10,92	—	—	PLB	PLB	PLB	PLB	PLB	—
7-5/8	39,00	193,68	58,04	12,70	—	—	—	PLB	PLB	PLB	PLB	PLB
7-5/8	42,80	193,68	63,69	14,27	—	—	—	PLB	PLB	PLB	PLB	PLB
7-5/8	45,30	193,68	67,41	15,11	—	—	—	PLB	PLB	PLB	PLB	PLB
7-5/8	47,10	193,68	70,09	15,88	—	—	—	PLB	PLB	PLB	PLB	PLB
8-5/8	24,00	219,08	35,72	6,71	—	PS	PS	—	—	—	—	—
8-5/8	28,00	219,08	41,67	7,72	PS	—	PS	—	—	—	—	—
8-5/8	32,00	219,08	47,62	8,94	PS	PSLB	PSLB	—	—	—	—	—
8-5/8	36,00	219,08	53,57	10,16	—	PSLB	PSLB	PLB	PLB	PLB	—	—
8-5/8	40,00	219,08	59,53	11,43	—	—	PLB	PLB	PLB	PLB	PLB	—
8-5/8	44,00	219,08	65,49	12,70	—	—	—	PLB	PLB	PLB	PLB	—
8-5/8	49,00	219,08	72,92	14,15	—	—	—	PLB	PLB	PLB	PLB	PLB
9-5/8	32,30	244,48	48,07	7,92	PS	—	—	—	—	—	—	—
9-5/8	36,00	244,48	53,57	8,94	PS	—	—	—	—	—	—	—
9-5/8	40,00	244,48	59,53	10,03	—	PSLB	PSLB	PLB	PLB	PLB	—	—
9-5/8	43,50	244,48	64,73	11,05	—	—	PLB	PLB	PLB	PLB	PLB	—
9-5/8	47,00	244,48	69,94	11,99	—	—	PLB	PLB	PLB	PLB	PLB	PLB
9-5/8	53,50	244,48	79,62	13,84	—	—	—	PLB	PLB	PLB	PLB	PLB
9-5/8	58,40	244,48	86,91	15,11	—	—	—	PLB	PLB	PLB	PLB	PLB

P = Plain end, S = Short round thread, L = Long round thread, B = Buttress thread



Seamless line pipe. API 5L

Steel grades: L245, L290, L320, L360, L390, L415, L450, L485, L555, L625, L690

Grades: Gr.B, X42, X46, X52, X56, X60, X65, X70, X80, X90, X100

Product specification level: PSL-1, PSL-2

Length: 8,0 – 12,0 m

Seamless line pipe dimentional range

Table 3

Nominal sizes	O.D.		W.T.		Linear masses	
	mm	inch	mm	inch	kg/m	ppf
1	2	3	4	5	6	7
2 3/8	60.3	2.375	4.4	0.172	6.03	4.05
2 3/8	60.3	2.375	4.8	0.188	6.54	4.39
2 3/8	60.3	2.375	5.5	0.218	7.48	5.02
2 3/8	60.3	2.375	6.4	0.250	8.45	5.76
2 3/8	60.3	2.375	7.1	0.281	9.36	6.28
2 7/8	73.0	2.875	4.0	0.156	6.75	4.53
2 7/8	73.0	2.875	4.4	0.172	7.40	4.97
2 7/8	73.0	2.875	4.8	0.188	8.04	5.4
2 7/8	73.0	2.875	5.2	0.203	8.62	5.79
2 7/8	73.0	2.875	5.5	0.216	9.13	6.13
2 7/8	73.0	2.875	6.4	0.250	10.44	7.01
2 7/8	73.0	2.875	7.0	0.276	11.41	7.66
3 1/2	88.9	3.500	4.0	0.156	8.29	5.57
3 1/2	88.9	3.500	4.4	0.172	9.10	6.11
3 1/2	88.9	3.500	4.8	0.188	9.90	6.65
3 1/2	88.9	3.500	5.5	0.216	11.29	7.58
3 1/2	88.9	3.500	6.4	0.250	12.93	8.68
3 1/2	88.9	3.500	7.1	0.281	14.38	9.66
3 1/2	88.9	3.500	7.6	0.300	15.26	10.25
4	101.6	4.000	5.7	0.226	13.57	9.11
4	101.6	4.000	6.4	0.250	14.91	10.01
4	101.6	4.000	7.1	0.281	16.62	11.16
4	101.6	4.000	8.1	0.318	18.61	12.50

to be continued

Table 3 (continued)

Nominal sizes	O.D.		W.T.		Linear masses	
	mm	inch	mm	inch	kg/m	ppf
1	2	3	4	5	6	7
4 1/2	114.3	4.500	5.2	0.203	13.88	9.32
4 1/2	114.3	4.500	5.6	0.219	14.91	10.01
4 1/2	114.3	4.500	6.0	0.237	16.07	10.79
4 1/2	114.3	4.500	6.4	0.250	16.90	11.35
4 1/2	114.3	4.500	7.1	0.281	18.85	12.66
4 1/2	114.3	4.500	7.9	0.312	20.79	13.96
4 1/2	114.3	4.500	8.6	0.337	22.31	14.98
4 1/2	114.3	4.500	11.1	0.438	28.30	19.00
5 9/16	141.3	5.563	5.6	0.219	18.61	12.50
5 9/16	141.3	5.563	6.6	0.258	21.77	14.62
5 9/16	141.3	5.563	7.1	0.281	23.61	15.85
5 9/16	141.3	5.563	7.9	0.312	26.06	17.50
5 9/16	141.3	5.563	8.7	0.344	28.55	19.17
5 9/16	141.3	5.563	9.5	0.375	30.95	20.78
5 9/16	141.3	5.563	12.7	0.500	40.28	27.04
6 5/8	168.3	6.625	6.4	0.250	25.35	17.02
6 5/8	168.3	6.625	7.1	0.280	28.22	18.97
6 5/8	168.3	6.625	7.9	0.312	31.25	21.04
6 5/8	168.3	6.625	8.7	0.344	34.24	23.08
6 5/8	168.3	6.625	9.5	0.375	37.20	25.03
6 5/8	168.3	6.625	11.0	0.432	42.67	28.57
6 5/8	168.3	6.625	12.7	0.500	48.73	32.71
6 5/8	168.3	6.625	14.3	0.562	54.31	36.39
6 5/8	168.3	6.625	15.9	0.625	59.76	40.05
6 5/8	168.3	6.625	18.3	0.750	67.69	45.35
6 5/8	168.3	6.625	19.1	0.864	70.27	47.06
6 5/8	168.3	6.625	22.2	0.875	79.98	53.73
8 5/8	219.1	8.625	7.0	0.277	36.61	24.70
8 5/8	219.1	8.625	7.9	0.312	41.14	27.70
8 5/8	219.1	8.625	8.18	0.322	42.55	28.58
8 5/8	219.1	8.625	8.74	0.344	45.34	30.45
8 5/8	219.1	8.625	9.53	0.375	49.25	33.07
8 5/8	219.1	8.625	11.13	0.438	57.08	38.33
8 5/8	219.1	8.625	12.70	0.500	64.64	43.43
8 5/8	219.1	8.625	14.27	0.562	72.08	48.44
8 5/8	219.1	8.625	15.88	0.625	79.59	53.45
8 5/8	219.1	8.625	18.26	0.719	90.44	60.77
8 5/8	219.1	8.625	19.05	0.750	93.98	63.14
8 5/8	219.1	8.625	20.62	0.812	100.93	67.82
8 5/8	219.1	8.625	22.23	0.875	107.93	72.49
8 5/8	219.1	8.625	25.40	1.000	121.33	81.51
10 3/4	273.0	10.750	7.80	0.307	51.01	34.27
10 3/4	273.0	10.750	8.74	0.344	56.96	38.27
10 3/4	273.0	10.750	9.27	0.365	60.29	40.52
10 3/4	273.0	10.750	11.13	0.438	71.88	48.28
10 3/4	273.0	10.750	12.70	0.500	81.53	54.79
10 3/4	273.0	10.750	14.27	0.562	91.05	61.21
10 3/4	273.0	10.750	15.88	0.625	100.69	67.65
10 3/4	273.0	10.750	18.26	0.719	114.71	77.10
10 3/4	273.0	10.750	20.62	0.812	128.34	86.26
10 3/4	273.0	10.750	22.23	0.875	137.48	92.37
10 3/4	273.0	10.750	23.83	0.938	146.43	98.39
10 3/4	273.0	10.750	25.40	1.000	155.10	104.23



General purpose tube

GOST 8731-74/GOST 8732-78

**Steel grades: St2СП, St5СП, 10, 20, 35, 45,
10G2, 30G1, 20H, 40H, 30HGSA, 15HM, 30HMA**

Length: 6,0 - 12,0 m

Sizes, masses, wall thickness, GOST 8732-78

Table 4

O.D., mm	W.T., mm																							
	4	4,5	5	5,5	6	7	8	9	10	11	12	14	16	17	18	20	22	25	28	30	32	36	40	
	Linear masses, kg/m																							
60	5,52	6,16	6,78	7,39	7,99	9,15	10,30	11,30	12,30	13,30	14,20	15,90	17,40											
63	5,82	6,49	7,15	7,80	8,43	9,67	10,90	12,00	13,10	14,10	15,10	16,90	18,50											
68	6,31	7,05	7,77	8,48	9,17	10,50	11,80	13,10	14,30	15,50	16,60	18,60	20,50											
70	6,51	7,27	8,01	8,75	9,47	10,90	12,20	13,50	14,80	16,00	17,20	19,30	21,30											
73	6,81	7,60	8,38	9,16	9,91	11,40	12,80	14,20	15,50	16,80	18,10	20,40	22,50											
76	7,10	7,93	8,75	9,56	10,40	11,90	13,40	14,90	16,30	17,60	18,90	21,40	23,70											
83	7,79	8,71	9,62	10,50	11,40	13,10	14,80	16,40	18,00	19,50	21,00	23,80	26,40											
89	8,38	9,38	10,40	11,30	12,30	14,20	16,00	17,80	19,50	21,20	22,80	25,90	28,80											
95	8,98	10,04	11,10	12,10	13,20	15,20	17,20	19,10	21,00	22,80	24,60	28,00	31,20											
102	9,67	10,82	12,00	13,10	14,20	16,40	18,50	20,60	22,70	24,70	26,60	30,40	33,90											
108	10,26	11,49	12,70	13,90	15,10	17,40	19,70	22,00	24,20	26,30	28,40	32,50	36,30											
114	10,85	12,15	13,40	14,70	16,00	18,50	20,90	23,30	25,70	27,90	30,20	34,50	38,70											
121					17,00	19,70	22,30	24,90	27,40	29,80	32,30	36,90	41,40	43,60	45,70	49,80	53,70	59,20	64,20	67,30	70,20	75,46	79,90	
127					17,90	20,70	23,50	26,20	28,90	31,50	34,00	39,00	43,80	46,10	48,40	52,80	57,00	62,90	68,40	71,80	75,00	80,79	85,82	
133					18,80	21,80	24,70	27,50	30,30	33,10	35,80	41,10	46,20	48,60	51,10	55,70	60,20	66,60	72,50	76,20	79,70	86,10	91,72	
140					19,80	23,00	26,00	29,10	32,10	35,00	37,90	43,50	48,90	51,60	54,20	59,20	64,00	70,90	77,30	81,80	85,20	92,30	98,65	
146					20,70	24,00	27,20	30,40	33,50	36,60	39,70	45,60	51,30	54,10	56,80	62,10	67,30	74,60	81,50	85,80	90,00	97,70	104,60	
152					21,60	25,00	28,40	31,70	35,00	38,30	41,40	47,60	53,70	56,50	59,50	65,10	70,50	78,30	85,60	90,30	94,70	103,00	110,50	
159					22,60	26,20	29,80	33,30	36,70	40,20	43,60	50,10	56,40	59,50	62,60	68,60	74,30	82,60	90,50	95,40	100,20	109,20	117,40	
168					24,00	27,80	31,60	35,30	39,00	42,60	46,20	53,20	60,00	63,30	66,60	73,00	79,20	88,20	96,70	102,10	107,30	117,20	126,30	
180					25,75	29,87	33,90	38,00	41,90	45,80	49,70	57,30	64,70	68,30	71,90	78,90	85,70	95,60	105,00	111,00	116,80	127,80	138,10	
194					27,82	32,28	36,70	41,10	45,40	49,60	53,90	62,10	70,20	74,20	78,10	85,80	93,30	104,20	114,90	121,30	127,80	140,30	151,90	
203					29,15	33,84	38,50	43,10	47,60	52,10	56,50	65,30	73,80	78,00	82,10	90,30	98,20	109,70	120,80	128,00	134,90	148,30	160,80	
219					31,50	36,60	41,60	46,60	51,50	56,40	61,30	70,80	80,10	84,70	89,20	98,20	106,90	119,60	131,90	139,80	147,60	162,50	176,60	
245					38,23	41,09	46,80	52,40	58,00	63,50	69,00	79,80	90,40	95,60	100,80	111,00	121,00	135,60	149,80	159,10	168,10	185,60	202,20	
273					39,51	45,92	52,30	58,60	64,90	71,10	77,20	89,40	101,40	107,30	113,20	124,80	136,20	152,90	169,18	179,78	190,19	210,41	229,85	



Boiler Pipe

TU 14-3R-55-2001

Steel grades: 20, 15GS, 12H1MF

Dimensional range: as per Table 4.



Gas Lift Pipe

TU 14-3R-1128-2007

Steel grades: St10, St20, 09G2S, 10G2A

Length: 8,0 - 12,0 m

Dimensional range: as per Table 4



Corrosion Resistant Pipe

TU 1317-006.1-593377520-2003, TU 1317-005-96380705-2009

Steel grades: 20A, 13HFA

Type: A, B

Dimensional range: as per Table 4.



Steel Billet

ST T00 40985885-001-2013

Square Steel Billet

Steel grades: St3sp, St5sp, 10, 20, 40, 35GS, 55G etc.

Table 5

Size, mm	Length, m
150	5,0-12,0

STO 002-2014

Round Steel Billet

Steel grades: 10, 20, 35, 45, 30G1, 10G2, 13HFA, 20H, 40H, 25HMFA, 30HGSA, 15HM, 30HMA, 12HN2, etc.

Table 6

Size, m	Length, m
210	5,0-12,0
300	5,0-12,0





Reinforcing Bar

ST TOO 070341015761-009-2012

Class: A400, A500C

Diameter, mm: : 10; 12; 14; 16; 18; 20; 22; 25; 28; 32

Length, m: 5.0 – 12.0

KSP Steel Rebar quality was confirmed by Certificate of compliance to GOST 5781-82 and GOST 10884-94.



Rolled Steel Balls

GOST 7524-89, GOST 7524-2015, ST TOO 070341015761-010-2012

Rolled Steel Balls

Steel grades: Ш1, Ш2, Ш3, Ш4, as per GOST 7524-89

Grades: 1,2,3,4

Diameter, mm: 40; 60; 80; 100



Ferroalloys

Besides of traditional Ferroalloys (Ferrosilicon different grades) KSP Steel mill produces unique alloy Aluminium Ferrosilicon (Fe-Si-Al) designed by Kazakhstan specialists.

Fe-Si-Al is used in the field of metallurgy for deoxidation and alloying steel.

In compare with traditional Ferrosilicon and Aluminium ingot this alloy has a lot of advantages, such are:

Said alloy makes it possible to improve quality of steel owing to the deep reducing and modification of non-metallic impurities and simultaneous microalloying of steel with improving steel structure.

In the same time production costs of steel with using Fe-Si-Al became lower.

Ferrosilicon (Fe-Si)

GOST 1415-93

Table 7

Grade	Content, %								
	Si		Al	P	S	C	Mn	Cr	Ti ¹
	min	max	max						
FeSi45	41,0	47,0	2,0	0,05	0,02	0,20	1,0	0,5	0,30
FeSi50	47,0	52,0	1,8	0,05	0,02	0,10	0,6	0,5	0,30
FeSi65	63,0	68,0	2,5	0,05	0,02	0,10	0,4	0,4	0,30
FeSi75	74,0	80,0	3,0	0,04	0,02	0,10	0,4	0,3	0,20

¹ For information only

Aluminium Ferrosilicon (Fe-Si-Al)

TU 0820-011-14513884-2013

Table 8

Grade	Content, %			
	Si	Al	P	S
FeSi45A10	42,5-47,5	7,5-12,5	max	
FeSi45A15	42,5-47,5	12,5-17,5	0,07	0,02
FeSi45A20	42,5-47,5	17,5-22,5		
FeSi55A10	53,5-57,5	7,5-12,5		
FeSi55A15	53,5-57,5	12,5-17,5		
FeSi55A20	53,5-57,5	17,5-22,5		

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quality, clear time-frame
delivery and competitive prices**

