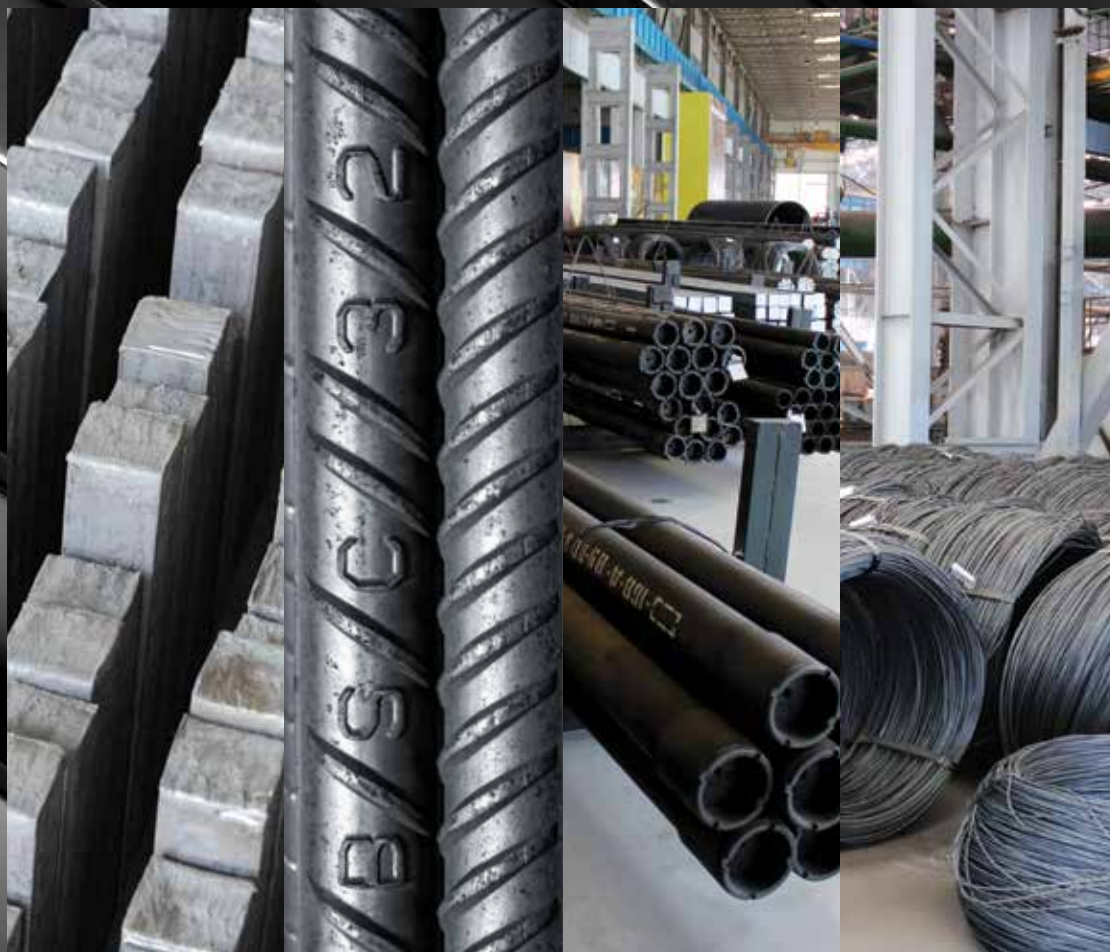




BAKU STEEL
COMPANY

CATALOGUE



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BAKU STEEL COMPANY

Hazır Məhsul Anbarı



BAKU STEEL COMPANY

Baku Steel Company CJSC (BSC), the largest and most advanced metallurgical enterprise in the South Caucasus, equipped with modern steelmaking and rolling facilities, plays a key role in the development of heavy industry in Azerbaijan.

The official opening of the company took place on June 21, 2001, with the participation of the national leader Heydar Aliyev. Baku Steel Company, which operated for many years as a limited liability company (LLC), changed its legal status at the beginning of 2022 and became a closed joint-stock company (CJSC). Currently, BSC is one of the largest taxpayers in the non-oil sector of Azerbaijan.

In 2012–2013, a state-of-the-art 60-ton electric arc furnace of the Ultimate-2 class, incorporating the latest technological solutions of the German company Siemens VAI, was installed at the plant, along with a ladle furnace unit used to refine liquid steel in accordance with applicable standards and customer requirements. In 2024, a vacuum degasser was commissioned, specifically for pipe production, to further improve steel quality.

Furthermore, in 2021–2022, a new four-strand continuous casting machine (CCM) manufactured by the Turkish company Demora was installed. The CCM is designed for casting both round and square billets, with a radius of 10,250 mm, and is equipped with an electromagnetic stirrer, an automatic mould level control system based on cobalt-60, and a C32 closed casting system supplied by Vesuvius.

In addition, the enterprise is equipped with machinery and equipment manufactured by leading companies from the USA, France, Italy, India, and other countries.

The enterprise features fully automated operation of the main technological units used in steelmaking and rolling processes. A water treatment plant is also in operation to meet the facility's industrial water requirements.

The plant is equipped with a high-efficiency gas and dust collection system of advanced design, operating according to a specialized algorithm, with a suction capacity of 1.7 million m³ per hour, meeting environmental requirements

In addition to scrap metal processing, the company's specialists have mastered the melting of DRI (direct reduced iron) and HBI (hot briquetted iron) derived from iron ore. To enhance material yield and reduce electrical energy consumption, Danieli has installed a specialized material handling system for the continuous charging of HBI and DRI into the electric arc furnace.

The plant's electrical substation is equipped with an SVC unit with a capacity of 53 MVAR, manufactured by the German company Siemens.

The company operates a central laboratory equipped with high-quality equipment supplied by leading manufacturers from Japan, Germany, and Switzerland. The laboratory meets international standards, ensures high-precision analysis, and is fully certified.

The enterprise has carried out extensive improvement and landscaping works aimed at creating an environmentally friendly microclimate within the plant area, along with other related initiatives.

It should be noted that in 2022, BSC became a permanent member of the World Steel Association, one of the most prestigious international organizations in the global steel industry.





**BAKU STEEL
COMPANY**





CERTIFICATES AND QUALITY STANDARDS

Currently, the Company's Quality Management System is certified to API Spec Q1 by the American Petroleum Institute (API). The Company also operates in accordance with the international standard ISO 9001:2015 (Quality Management System) and has been audited and certified by STAREGISTER, an accredited and independent international certification body.

BSC currently holds the certifications listed on the right.



Production of pipes

- API 5CT - Specification for casing and tubing used in well drilling
- API 5L - Specification for pipes for main pipelines
- EN 10210 - 1:2006- Seamless steel pipes for oil and gas industry
- EN 10216 - 1:2013 Seamless steel tubes with circular cross-section for mechanical and general engineering purposes - Technical delivery conditions - Part 1: Non-alloy and alloy steel tubes
- EN 10216 - 2:2013+A1:2019 – Seamless steel pipes for work under pressure. Technical delivery conditions - Part 2: Non-alloy and alloy steel pipes with specified properties for operation at elevated temperatures
- ASTM A106/A106M-19a – Seamless steel pipes for oil and gas industry
- GOST 632-80 - Seamless steel pipes for oil and gas industry
- GOST 8731-87-Seamless steel pipes for oil and gas industry
- GOST 8732-78-Seamless steel pipes for oil and gas industry
- GOST 31446-2017-Seamless steel pipes for oil and gas industry
- GOST 32528-2013-Seamless steel pipes for oil and gas industry
- GOST 34636-2020 – Tubular billets
- EN 10297-1:2003 - Seamless steel tubes with circular cross-section
- EN 10216-3:2013 - Seamless steel tubes for work under pressure
- GOST 633-80 – Tubings and couplings for them



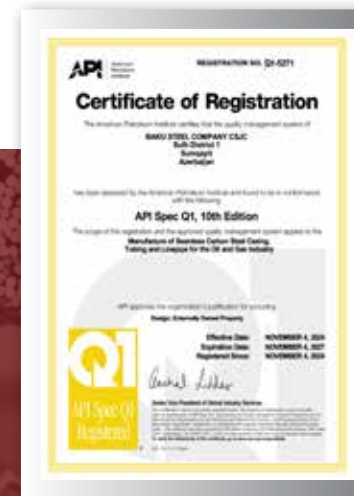
Production of re-bars

- AZS 538-2011 (GOST 52544-2006) - Weldable deformed reinforcing rolled products of A500C and B500C classes for the reinforcement of concrete structures.
- GOST 34028-2016 - Rebars for the reinforcement of concrete structures
- EN 10080-2005 - Rebars for the reinforcement of concrete structures
- ASTM A615/A615M-22 – Rebars for the reinforcement of concrete structures
- ASTM A706/A706M-22 – Rebars for the reinforcement of concrete structures



Production of billets

- GOST 380-2005-Square and rectangular billets of common quality carbon steel of continuous casting for small-scale rolled products
- GOST 34636-2020 – Tubular billets
- EN 10025-1:2004 - Hot rolled products from structural steel
- DIN 17100-1980 - Steel for general structural purposes









BAKU STEEL
COMPANY

SALES AND EXPORT

Currently, BSC meets most of the needs of the domestic market of Azerbaijan for construction reinforcement and other types of rolled products. In addition, orders to produce steel billets are accepted, they are manufactured and delivered to the customers.

The company's products have been utilized in the construction of the Baku-Tbilisi-Ceyhan pipeline and have also been successfully applied in the development of various industrial facilities, bridges, and lighting systems, as well as in the construction of residential and public buildings.

The pipes produced at BSC are supplied to companies from different countries around the world as well as to the local market.

BSC exports construction rebars, pipes, fittings and shaped castings to more than 20 countries worldwide, including Russia, Turkey, Georgia, Kazakhstan, Turkmenistan, Italy and Spain.

Since the beginning of its activities, the company has been cooperating with well-known and influential companies in the field of world quality standards, such as SGS (Switzerland), BSI (British Standards Institute) (Great Britain) and TUV (Austria).





Currently, the sale of products manufactured for export is carried out with quality and quantity guarantees from these companies. To provide guarantee, they carry out completely independent tests of BSC products and confirm the quality certificate issued by the company.

BSC is pleased to present its high-quality products and strives to establish long-term and reliable cooperation with partners in both domestic and international markets.





LABOR SAFETY

Baku Steel Company CJSC (BSC) has received another international certificate of conformity. The company's activities comply with the requirements of ISO 14001:2015 and ISO 45001:2018 standards in the field of environmental management.

It should be noted that the ISO 14001:2015 standard encourages companies to regularly monitor, analyze, and find ways to optimize their environmental impacts. In addition to being an important step in protecting the environment, this Certificate also supports the long-term sustainable development of organizations. Thus, by obtaining ISO 14001:2015 certification, companies not only protect the environment, but also are able to conduct their business more efficiently, cost-effectively and in accordance with the environmental standards.

ISO 45001:2018 standard defines requirements for an occupational health and safety (OHS) management system, helping organizations create safe and healthy workplaces by preventing occupational injuries and diseases. At the same time, it provides training on the application of the standard to promote the expansion of occupational health and safety (OH&S) activities.

UK branch of the world-renowned company "Bureau Veritas Certification SAS" has awarded BSC an international certificate in the field of health, safety, and environment protection, confirming full compliance with the requirements of management standards for the production and sale of BSC's main products.



BSC was selected as the best enterprise in 2021 and 2023 for creating healthy and safe working conditions among 1,960 enterprises and organizations in a republican competition held by the Azerbaijan Trade Union Confederation (ATUC).



**BAKU STEEL
COMPANY**

PRODUCTION





PRODUCTION

BSC's total steelmaking capacity is 800,000 tons per year. BSC has been expanding its product range to meet the demand for steel products in the domestic and overseas markets, with three rolling lines and one seamless pipeline in use. The company manufactures products, such as carbon and alloy steel billets, pipes, construction rebars, as well as various rolled products and shapes such as channels, angles, I-beams, steel wire (wire rod) and shaped castings, using modern steelmaking and continuous casting technologies. The manufactured products are in great demand among companies and enterprises of various profiles, both within the country and abroad.

Currently, the company produces steel billets of various grades with a cross-section of 125x125 and 150x150 mm, length 3000-12000 mm, rebars according to European standards with a diameter of 8-32 mm, as well as channel bars with a section size of 80-160 mm, angled bars with a section size of 40-125 mm, I-beams with a diameter of 100-160 mm and steel wire (wire rods) with a diameter of 5.5-8.0 mm.

In addition, the company also has the ability to produce steel billets with a cross-section of 100x100, 120x120 and 130x130 mm.

Steel smelting is carried out in the electric arc furnaces manufactured by the German company "Siemens VAI". Liquid steel is transported to the ladle furnace, where it is quickly brought to the required chemical composition and then sent to a continuous casting machine.







In the process of steel melting, the main purpose is to minimize the smelting time and fully automate the process.

Construction rebars are manufactured in accordance with the requirements of the standards GOST 34028 – 2016; AZS 538-2011 (GOST 52544-2006); ASTM A615/A615M-22; ASTM A706/A706M-22; EN 10080:2005; channels of various types and shapes, angles, I-beams and wire rod – in accordance with the standards GOST 380-2005; GOST 30136-95 (ISO 8457-1-89); EN 10025-1:2004; DIN 17100-1980; ASTM A510/A510M-20





Common quality carbon steel and carbon alloys are manufactured to individual order, in accordance with the requirements of regulatory document GOST 380-2005.

The new generation continuous casting machine BCCM with a radius of 10,250 m allows the production of 130, 150, 160, 170, 190, 220 and 250 mm round billets that meet the requirements of GOST 34636-2020, DIN 17100-80 and EN 10025-1:2004 standards.

This, in turn, allows the production of high-quality casing pipes and general-purpose pipes with diameters from 114 mm to 219 mm at the 3-rd production site. The quality of manufactured products was further improved with the introduction of vacuum degassing unit and closed casting system in 2023.



QUALITY AND TECHNOLOGY

Product name	Continuously cast billet		Hot and thermomechanical reinforcement of concrete structures			
Standard name	GOST 380-2005; EN 10025-1:2004		GOST 34028-2016; AZS 538-2011 (GOST 52544-2006)			
Steel grade / Rebar class	St 3 sp	St 5 sp	At 400 c	At 500 c	At 1000	A 500 c
Cross section / Diameter (mm)	125x125, 150x150		8, 10, 12, 14, 16, 18, 20, 22, 25, 28, 32			
Length (mm)	6000, 11700, 12000					

Chemical composition (%)	C	0.14 - 0.22	0.28 - 0.37	0.24	< 0.32	< 0.22
	Mn	0.4 - 0.65	0.5 - 0.8	0.5 - 1.5	0.6 - 2.3	< 1.6
	Si	0.15 - 0.3	0.15 - 0.3	0.65	0.6 - 2.4	< 0.9
	P	< 0.04	< 0.04		0.045	0.05
	S	< 0.05	< 0.05		0.05	0.05
	Cr	< 0.3	< 0.3		< 0.3	-
	Ni	< 0.3	< 0.3		< 0.3	-
	Cu	< 0.3	< 0.3		< 0.3	0.5
Mechanical properties	R ₀₂ N/mm ²		440 - 640	500 - 700	1000	500 - 700
	R _m N/mm ²		560 - 660	600 - 800	1250	600 - 800
	Relative elongation	A ₅	16	14	7	14
		A ₁₀	-	-	2	-
	Cold bend	Corner	90°	90°	45°	90°
		Bending diameter	3d	5d	5d	3d



TECHNOLOGICAL ANALYSIS



Quality control of products is carried out in the laboratory, where the chemical composition of steel is determined by spectral and chemical methods. The steel composition is determined with high precision by 21 chemical elements and brought to the required standard by adding ferroalloys and other additives before feeding into the casting machine.

Thus, the chemical composition and mechanical properties of the finished construction rebars meet the highest standard requirements. Technological operations begin with the preparation of the scrap mix and bucket. The scrap fed into the furnace is melted and poured into the ladle at a high temperature. The liquid metal, which is prepared according to the specifications of the steel grade, is transported to the newly built continuous casting machine. Here, liquid steel is poured into four mould strands equipped with an electromagnetic stirrer and containing the isotope cobalt-60, where it solidifies into square and round billets.

At the rolling mills, square steel billets are reheated in a furnace, hot-rolled through multiple stands, and subjected to controlled thermomechanical processing to enhance their mechanical properties before being formed into construction-grade rebars. The mechanical and physical properties of rebars from each heat are clearly specified and documented in the quality certificate issued at the time of sale.



Cast parts manufactured at the plant are guaranteed to comply with the requirements of the relevant regulatory and technical documentation. Round billets are used for the production of seamless pipes at the 3rd production site located in the city of Sumgait.

The relevant state bodies of the Republic of Azerbaijan issued a national certificate of conformity for the company's steel rebars.

The quality of the products manufactured here has also been tested in the laboratories in foreign countries, and positive results have been obtained.

BSC has an international standard ISO 9001:2015 - "Quality Management System".

Until now, the plant's products have been demonstrated at various international exhibitions in Dusseldorf, Moscow, Astana, Tabriz and Baku, and each time have been awarded various quality certificates.



PRODUCTION OF OXYGEN AND NITROGEN

The BSC territory also houses the largest and most modern oxygen production facility in the South Caucasus. The equipment for the production of oxygen and liquid nitrogen was supplied by the French company Air Liquide.

In 2016, the President of the Republic of Azerbaijan, Mr. Ilham Aliyev, attended the official opening of the facility.

The Sigma H190 oxygen generator installed at the plant is based on advanced and safe technologies. The oxygen produced is automatically regulated by a three-stage gas analysis system and achieves a purity level of 99.7%.

The company is certified for the production of high-quality medical liquid oxygen. The liquid oxygen produced at the facility is supplied to both domestic and international markets, while also meeting the internal needs of BSC.

The unit's operation is regulated in 3 modes, and its performance is shown on the table on the left.

THE OXYGEN SHOP PRODUCTION CAPACITY

1.	Gaseous oxygen	4,500 m ³ /h
2.	Liquid oxygen	500 m ³ /h
3.	Liquid nitrogen	450 m ³ /h

The company is certified for the production of high-quality medical liquid oxygen.

The liquid oxygen produced in the workshop is exported to domestic and foreign markets and meets the needs of BSC.





**BAKU STEEL
COMPANY**

PRODUCTS





SQUARE BILLETS

SQUARE BILLET OF CONTINUOUS CASTING (GOST 380-2005)																	
№	Dimensions of square billet, mm	Linear meter, kg			Steel grade	Chemical composition								Mechanical properties			
		1000 mm	6000 mm	12000 mm		C	Mn	Si	P	S	Cr	Ni	Cu	Rm	R0.2	δ	Bend 90°
1	100 x 100	78,5	471,0	942,0	Cr0 Cr1 Cr2 Cr3 Cr4 Cr5	0,23	-	-	0,07	0,06	0,3	0,3	0,3	max 300	-	18	-
2	120 x 120	112,3	673,8	1347,6		0.06-0.12	0.25-0.50	0,05 0.05-0.15 0.15-0.30	0,04	0,05	0,3	0,3	0,3	315-410	205	34	d=a
3	125 x 125	121,0	726,0	1452,0		0.09-0.15	0.25-0.50	0,05 0.05-0.15 0.15-0.30	0,04	0,05	0,3	0,3	0,3	335-430	225	32	d=a
4	130 x 130	130,6	783,6	1567,2		0.14-0.22	0.40-0.65	0,05 0.05-0.15 0.15-0.30	0,04	0,05	0,3	0,3	0,3	370-480	245	26	d=a
5	140 x 140	153,8	923,2	1846,3		0.18-0.27	0,40-0,70	0,05 0.05-0.15 0.15-0.30	0,04	0,05	0,3	0,3	0,3	420-540	270	24	d=2a
6	150 x 150	175,4	1052,4	2104,8		0,28-0,37	0,50-0,80	0,05 0.05-0.15 0.15-0.30	0,04	0,05	0,3	0,3	0,3	490-630	295	20	d=3a

Square billets used to produce construction reinforcement are produced on a radial four-jet continuous casting machine supplied by the Turkish company "Demora". Square blanks are produced with a cross-section of 125x125 and 150x150 mm and length from 3,000 to 12,000 mm.





ROUND BILLETS

BSC has expanded its product range and since 2021 has started producing round billets using continuous casting method for the production of seamless pipes used in the oil and gas industry.

Here, high-quality billets with diameters of 130, 150, 150, 160, 170, 190, 220 and 250 mm are produced in accordance with the standards GOST 34636-2020, DIN 17100-80, EN 10025-2004, the length of which is determined by the customer.





RE-BARS

Construction rebars are manufactured with diameter 8-32 mm, Length 6,000-12,000 mm.

Rebars are manufactured to customer orders in bundles weighing 3,000–5,000 kg, with a quality mark applied. Tags on each bundle indicate the steel grade, standard, diameter, heat number, length, weight, and other parameters. Factory identification marks are applied to finished rebars in accordance with the relevant standards.



Profile		8	10	12	14	16	18	20	22	25	28	32
Fo, cm ²		0,503	0.785	1.131	1.54	2.01	2.45	3.14	3.80	4.91	6.16	8.04
Weight	Minimum	0,367	0.580	0.835	1.137	1.137	1.900	2.347	2.931	3.658	4.589	6.058
	Normal	0,395	0.617	0.88	1.210	1.580	2.00	2.470	2.980	3.850	4.830	6.310
	Maximum	0,430	0.648	0.932	1.271	1.627	2.060	2.544	3.069	3.965	4.975	6.499



GENERAL CHARACTERISTICS OF THE REBARS PRODUCT RANGE

Serial No.	Steel grade	Standard	Product diameter (mm) in accordance with brand	Mechanical properties					Carbon equivalent of Ce, %	Cold bending	Cross-sectional area and weight of linear meter along the profile	Cross section	Linear meter			
				Limit	R _t	R _m	d ₅	d ₁₀				F (mm)	Pm (kq)			
												N/mm ²	%	nom	min	nom
1	A400	GOST 34028-2016	8--32	min	390	590	14		<40	"90° 180°"	8	50,3	0,367	0,395	0,430	
											10	78,5	0,579	0,617	0,647	
				max	590	750						18	254,8	1,900	2,000	2,060
2	Gr40/ Gr60/ Gr80/ Gr100	ASTM A615/ A615M-22	8--32	min	500	600	14		>40	"90° 180°"	20	314,6	2,347	2,470	2,544	
				max	700	800						22	379,6	2,831	2,980	3,069
3	A500C B500C At500C	GOST P 52544 - 2006	8--32	min	500	600	14		<50	"90° 180°"	25	490,4	3,658	3,850	3,965	
				max	700	800						28	615,3	4,589	4,830	4,975
4	Gr60/ Gr80	ASTM A706/ A706M-22	8--32	max	1000	1250	7	-	<55	180	32	803,8	6,058	6,310	6,499	

NOTE:

1. For the rebars of this class, an increase in R_m up to 200 N/mm² is allowed.
2. Cr and Ni content in A500c rebars is regulated to no more than Ce≤50.



WIRE ROD (STEEL WIRE)

The wire rod is produced with diameters of 5.5 and 8.0 mm and is wound into bundles weighing from 500 to 650 kg. The label attached to each bundle of wire rod indicates the steel grade, standard, diameter, melt or batch number, length, weight and other parameters.



Wire rod (DIN 17100:1980; GOST 380-2005)

№	Dimensions of wire rod	d, mm			Cross-section area F_n , mm^2	Linear meter			Steel grade	Degree of deoxidation	Chemical composition								Mechanical properties			
		min	nom	max		min	nom	max			C	Mn	Si	P	S	Cr	Ni	Cu	Rm	R0.2	ψ	Bending
1	5	4,5	5,0	5,4	0,1963	0,143	0,154	0,168	Ct0	кп	0,23	-	-	0,07	0,06	0,3	0,3	0,3	420	-	68	180°
2	5,5	5,0	5,5	5,8	0,2376	0,173	0,186	0,203			0,06-0,12	0,25-0,50	0,05	0,04	0,05	0,3	0,3	0,3				
3	6	5,5	6,0	6,3	0,2827	0,206	0,222	0,242	Ct1	nc	0,6-0,12	0,25-0,50	0,05-0,15	0,04	0,05	0,3	0,3	0,3	420	-	68	180°
										сп	0,06-0,12	0,25-0,50	0,15-0,30	0,04	0,05	0,3	0,3	0,3				
4	6,3	5,8	6,3	6,6	0,3117	0,228	0,245	0,267	Ct2	кп	0,09-0,15	0,25-0,50	0,05	0,04	0,05	0,3	0,3	0,3				
										nc	0,09-0,15	0,25-0,50	0,05-0,15	0,04	0,05	0,3	0,3	0,3	420	-	60	180°
5	6,5	6,0	6,5	6,8	0,3318	0,242	0,260	0,283	Ct3	сп	0,09-0,15	0,25-0,50	0,15-0,30	0,04	0,05	0,3	0,3	0,3				
6	7	6,5	7,0	7,3	0,3848	0,281	0,302	0,329		кп	0,14-0,22	0,30-0,60	0,05	0,04	0,05	0,3	0,3	0,3				
7	8	7,5	8,0	8,3	0,5027	0,367	0,395	0,430	Ct3	nc	0,14-0,22	0,40-0,65	0,05-0,15	0,04	0,05	0,3	0,3	0,3	490	-	60	180°
8	9	8,5	9,0	9,3	0,6362	0,464	0,499	0,544		сп	0,14-0,22	0,40-0,65	0,15-0,30	0,04	0,05	0,3	0,3	0,3				

NOTE:

1. The error in the diameter of the wire rod is allowed within ± 0.5 mm.
2. Permissible deviation from +9 to -7% per linear meter of wire rod.
3. The minimum weight of a bundle is 160 kg.



**BAKU STEEL
COMPANY**

PIPES





PIPES

The rolling process is automated with the installation of rotary furnaces, the quality of pipes and the productivity of rolling mill are improved owing to the installation of induction furnaces before sizing mill and the acquisition of straightening machines with a new hydraulic system.

Seamless pipes with a diameter of 73-245 mm are produced on the RMA-250 unit in the company's pipe rolling area.

The threading of pipes and couplings is performed on digitally controlled German "EMAG" machines and Spanish "Danobat" machines. The connection of couplings and pipes is performed automatically using equipment supplied by the Italian company "Lazzari", hydraulic tests are carried out on a press from the Japanese company "YAMASUI", chemical analyses are carried out using a new multi-channel optical spectrometer. Non-destructive testing for the detection of internal defects and wall thickness control of pipes is carried out using ultrasonic testing equipment Volga-16-002-TK-PEP and Nordinkraft. Automated magnetic particle inspection (MPI) of couplings is performed using specialized equipment manufactured by Karl Deutsch.

PIPES - GOST 8731-87; GOST 8732-78

Steel grade	Outer diameter	Weight of 1 linear meter by wall thickness											
	mm	5	6	7	8	9	10	11	12	14	16	18	20
CT20; CT35; CT45; 09Г2С; 17Г1С; 13ХΦА ; 18Г2С	76	8,754	10,36	11,91	13,42	14,87	16,28	17,63	18,94	21,4	23,67	25,75	27,62
	89	10,36	12,28	14,15	15,98	17,76	19,48	21,16	22,79	25,89	28,8	31,52	34,03
	102	11,96	14,2	16,4	18,47	20,64	22,69	24,65	26,63	30,38	33,93	37,29	40,44
	114	13,44	15,98	18,47	20,91	23,31	25,65	27,94	30,19	34,53	38,67	42,62	46,36
	127	15,04	17,90	20,72	23,48	26,19	28,85	31,47	34,03	39,01	43,80	48,39	52,78
	133	15,78	18,79	21,75	24,66	27,52	30,33	33,10	35,81	41,09	46,17	51,05	55,73
	140	16,65	19,83	22,96	26,04	29,08	32,06	34,99	37,88	43,50	48,93	54,16	59,19
	146	17,39	20,72	24,00	27,23	30,41	33,54	36,62	39,66	45,57	51,30	56,82	62,15
	159	18,99	22,64	26,24	29,79	33,29	36,75	40,15	43,50	50,06	56,43	62,59	68,56
	168	20,10	23,97	27,79	31,57	35,29	38,97	42,59	46,17	53,17	59,98	66,59	73,00
	178	21,33	25,45	29,52	33,54	37,51	41,43	45,30	49,13	56,62	63,92	71,03	77,93
	187	22,44	26,78	31,07	35,32	39,51	43,65	47,74	51,79	59,73	67,47	75,02	82,37
	194	23,31	27,82	32,28	36,70	41,06	45,38	49,64	53,86	62,15	70,24	78,13	85,82
	219	26,39	31,52	36,60	41,63	46,61	51,54	56,43	61,26	70,78	80,10	89,23	98,2
	245	-	-	-	46,45	52,37	57,95	63,47	68,94	79,75	90,35	100,76	111,0

PIPES - EN 10210-1:2006 ; EN10297-1:2003 ; EN 10216-2:2013+A1:2019 ; EN 10216-1:2013

Steel grade	Diameter	Wall thickness	Weight of 1 linear meter
	mm	mm	kg/m
S235JRH; S275JOH; S275J2H; S355JOH; S355J2H; S355K2H; E275K2; E355K2; E420J2; E460K2; E590K2; P195 TR1 and 2; P195 TR1 and 2; P265 TR1 and 2; P195 TR1 and 2; P195 TR1 and 2; P195GH; P235GH; P265GH; 20MnNb6	76,1	5	16,03
		6,3	16,78
		8	20,97
	88,9	5	10,3
		6,3	12,8
		8	16
	101,6	10	19,5
		5	11,9
		6,3	14,8
	114,3	8	18,5
		10	22,6
		12,5	27,5
	139,7	6	16,03
		6,3	16,78
		8	20,97
	168,3	10	25,72
		8	25,98
		10	31,99
	177,8	12	37,79
		12,5	39,21
		6,3	25,77
	193,7	8	31,63
		10	39,04
		12,5	48,03
	219,1	8	33,50
		10	41,38
		12,5	50,96
	244,5	14,2	57,29
		16	63,84
		8	33,50
	244,5	10	41,38
		12,5	50,96
		14,2	57,29
	244,5	16	63,84
		20	77,83
		8	46,12
	244,5	10	57,38
		12,5	70,97
		14,2	80,34
	244,5	16	90,11
		20	111,06

PIPES - API 5L, ASTM A106/A106M-19A, ASTM A53/A53M-22, ASTM A333

Steel grade	Outer diameter		Wall thickness		Weight of 1 linear meter	
	inches	mm	inches	mm	kg/m	lb/ft
Gr.A, Gr.B, Gr.C, Gr.6, L175 or A25, L175P or A25P, L210 or A, L245 or B, L290 or X42, L320 or X46, L360 or X52, L390 or X56, L415 or X60, L415 or X60, L450 or X65, L485 or X70	2.875	73.0	0.172	4.37	4.97	7.40
			0.188	4.78	5.40	8.04
			0.203	5.16	5.80	8.63
			0.216	5.49	6.14	9.14
			0.250	6.35	7.02	10.44
			0.276	7.01	7.67	11.41
			0.375	9.53	10.02	14.92
			0.552	14.02	13.71	20.39
	3.500	88.9	0.172	4.37	6.12	9.11
			0.188	4.78	6.66	9.92
			0.216	5.49	7.58	11.29
			0.250	6.35	8.69	12.93
			0.281	7.14	9.67	14.40
			0.300	7.62	10.26	15.27
			0.438	11.13	14.34	21.35
			0.600	15.24	18.60	27.68
	4.000	101.6	0.172	4.37	7.04	10.48
			0.188	4.78	7.66	11.41
			0.226	5.74	9.12	13.57
			0.250	6.35	10.02	14.92
			0.281	7.14	11.17	16.63
			0.318	8.08	12.52	18.64
	4,5	114,3	0,237	6,02	16,08	10,80
			0,25	6,35	16,91	11,36
			0,281	7,14	18,87	12,68
			0,312	7,92	20,78	13,96
			0,337	8,56	22,32	15,00
			0,438	11,13	28,32	19,03

Steel grade	Outer diameter		Wall thickness		Weight of 1 linear meter	
	inches	mm	inches	mm	kg/m	lb/ft
Gr.A, Gr.B, Gr.C, Gr.6, L175 or A25, L175P or A25P, L210 or A, L245 or B, L290 or X42, L320 or X46, L360 or X52, L390 or X56, L415 or X60, L450 or X65, L485 or X70	5,563*	141,3	0,258	6,55	21,77	14,63
			0,281	7,14	23,62	15,87
			0,312	7,92	26,05	17,51
			0,344	8,74	28,57	19,20
			0,375	9,52	30,94	20,79
			0,5	12,7	40,28	27,07
			0,625	15,88	49,12	33,01
	6,625	168,3	0,25	6,35	25,36	17,04
			0,28	7,11	28,26	18,99
			0,312	7,92	31,33	21,05
			0,344	8,74	34,39	23,11
			0,375	9,52	37,28	25,05
			0,432	10,97	42,56	28,60
			0,562	14,27	54,21	36,43
			0,719	18,26	67,57	45,40
	8,625	219,1	0,322	8,18	42,55	28,59
			0,344	8,74	45,34	30,47
			0,375	9,52	49,20	33,07
			0,406	10,31	53,09	35,67
			0,438	11,13	57,08	38,36
			0,5	12,7	64,64	43,44
			0,594	15,09	75,92	51,02
			0,719	18,26	90,44	60,78

PIPES - GOST 632-80

Steel grade	Outer diameter		Wall thickness		Weight of 1 linear meter	
	inches	mm	inches	mm	kg/m	lb/ft
D, E, K, L, H40, J55, K55, N80 (all types), P110	4,5	114,3	0,25	6,4	16,9	11,36
			0,29	7,4	19,4	13,04
			0,34	8,6	22,3	14,98
	5	127	0,25	6,4	19,1	12,83
			0,30	7,5	22,1	14,85
			0,36	9,2	26,7	17,94
			0,44	11,1	30,7	20,63
			0,48	12,1	34,4	23,11
			0,5	12,7	35,8	24,06
	5,5	139,7	0,28	7,0	22,9	15,36
			0,3	7,7	25,1	16,89
			0,36	9,2	29,5	19,84
			0,42	10,5	33,6	22,56
	6,625	168,3	0,29	7,3	29,0	19,51
			0,35	8,9	35,1	23,61
			0,42	10,6	41,2	27,68
			0,48	12,1	46,5	31,24
	7	177,8	0,32	8,1	33,7	22,65
			0,36	9,2	38,2	25,69
			0,41	10,4	42,8	28,75
			0,45	11,5	47,2	31,71
			0,5	12,6	51,5	34,62
			0,54	13,7	55,5	37,29
	7,625	193,7	0,33	8,3	38,1	25,59
			0,38	9,5	43,3	29,07
			0,43	10,9	49,2	33,08
			0,5	12,7	56,7	38,09
			0,56	14,3	63,2	42,44
	8,625	219,1	0,35	8,9	46,3	31,14
			0,4	10,2	52,3	35,14
			0,45	11,4	58,5	39,34
			0,5	12,7	64,6	43,44
			0,56	14,1	71,5	48,05
	9,625	244,5	0,35	8,9	51,9	34,88
			0,4	10,0	58,0	38,97
			0,44	11,1	63,6	42,74
			0,47	12,0	68,7	46,16
				13,8	78,7	52,88

PIPES - API 5CT ; GOST 31446 - 2017

Outer diameter, mm	Outer diameter, inches	Wall Thickness, mm	Weight of 1 linear meter, kg/m	Weight of 1 linear meter, lb/ft
73,02	2-7/8	5,51	9,52	6,40
		7,01	11,61	7,80
		7,82	12,80	8,60
		8,64	13,91	9,35
		9,96	15,63	10,50
		11,18	17,11	11,50
88,9	3-1/2	5,49	11,46	7,70
		6,45	13,69	9,20
		7,34	15,18	10,20
		9,52	18,90	12,70
		10,92	21,28	14,30
		12,09	23,07	15,50
		13,46	25,30	17,00
		15,74	34,14	23,50
101,6	4	8,38	19,64	13,20
		10,54	23,96	16,10
		12,70	28,13	18,90
		15,49	33,04	22,20
114,3	4-1/2	6,35	17,38	11,68
		7,37	19,87	13,35
		8,56	22,69	15,25
127,00	5	6,43	19,69	13,23
		7,52	22,69	15,25
		9,19	27,19	18,27
		11,10	32,13	21,59
		12,14	34,76	23,36
		12,70	36,15	24,29
139,70	5-1/2	6,20	20,91	14,05
		6,99	23,48	15,78
		7,72	25,72	17,28
		9,17	30,05	20,19
		10,54	34,05	22,88
168,3	6-5/8	7,32	29,76	20,00
		8,94	35,72	24,00
		10,59	41,67	28,00
		12,07	47,62	32,00
		8,05	34,67	23,30
177,8	7	9,19	39,14	26,30
		10,36	43,60	29,30
		11,51	47,92	32,20
		12,65	52,09	35,00
		13,72	56,10	37,70
193,675	7-5/8	8,33	39,29	26,40
		9,53	44,20	29,70
		10,92	50,15	33,70
		12,70	58,04	39,00
		14,27	63,69	42,80
219,1	8-5/8	8,94	47,62	32,00
		10,16	53,57	36,00
		11,43	59,53	40,00
		12,70	65,48	44,00
		14,15	72,92	49,00
244,48	9-5/8	7,92	48,07	32,30
		8,94	53,57	36,00
		10,03	59,53	40,00
		11,05	64,73	43,50
		11,99	69,94	47,00
		13,84	79,62	53,50
		15,11	86,91	58,40
		15,47	88,40	59,40
		17,07	96,58	64,90
		18,64	104,62	70,30
		20,24	112,50	75,60



**BAKU STEEL
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FERROALLOYS





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The BSC's ferroalloys section produces ferrosilicon (FeSi) of various qualities and fractions (FeSi 65% - FeSi 75%, fraction 0-100 mm), which is used as deoxidizing and alloying additive in the production of electrical, spring, corrosion-resistant and heat-resistant steels and other materials.





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