

# Chelyabinsk Metallurgical Plant

## rolled products

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Hot-rolled products for concrete structures reinforcement	№6; 8	Bundles of up to 520 kg	ГОСТ 5781-82	Class A-I : St3sp(ps)2; St3sp(ps)3; Class A-II : St5sp2 Class A-III : 35GS; 25G2S Class A-V : 2X2G2T	Carbon ordinary ГОСТ380-94	For reinforcement of ordinary and prestressed concrete structures	Min. batch - 65 t. Packaging and marking according to ГОСТ7566-81
	№ 8; 10; 12; 14; 16; 18; 20; 22; 25; 28; 32; 36; 40	6-12		Class A-III : 35GS; 25G2S	ГОСТ5781 -82		
	№ 28; 32; 36; 40						
Hot-rolled equal steel angles	Angles #: 4; 5	4-9	ГОСТ 8509-93	St0; St1kp; St2ps;St3cn; St3ps; St5ps	Carbon ordinary ГОСТ380-94	For manufacture of welded structures in construction.	
Hot-rolled steel round products	Ø6,5; 7; 8	Bundles of up to 520 kg	ГОСТ 2590-88	St0; St1kp; St2ps;St3cn; St3ps; St5ps	Carbon ordinary ГОСТ380-94	Rod for wire treatment (TY 14-1-5283-94), rod for packaging (TY 14-1-5282-94)	Min. batch - 65 t. Packaging and marking according to ГОСТ7566-81
	Ø12; 13; 14; 15; 16; 18; 19; 20; 21; 22; 23; 24; 25-28; 30-36; 38; 40-42; 44-46; 50; 52; 55; 56; 58; 60; 63; 70; 80; 90; 100; 105; 110; 115; 120; 130; 140; 150; 160; 170; 180	3-6		10; 15; 20; 25; 30;35; 40;45; 50;55; 60	Carbon quality structural ГОСТ1050-88	For manufacture of details required to be high ductile (steel 10,15,20); slightly stressed details (steel 30,35); details required to be highly strong (steel 40,45); details with high strength and abrasion-resistant properties (steel50,55,60)	Min. batch: bundles at least 10 t; bars of 10-70 mm in diameter at least 0.5 t; bars 80-180 mm in diameter at least 1.5 t (on condition of heat norm distribution according to principal orders). Packaging and marking according to ГОСТ7566-81
	Ø12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23	Bundles of up to 450 kg		15X; 30X; 40X;45X; 20Г; 30Г; 50Г; 15XM; 38XM; 30XMA; 40XH; 38XC; 18XГТ; 30XГТ; 12X2H4A; 30XГСА; 35XГСА; 30XГЧ2A; 38XH3MΦA; 45XH2MΦA; 40XΦA; 18X2H4MA; 18X2H4BA; 15XГH2TA; 15XГHTA; 20XГHP; 20XHP; 12XH3A; 20XH3A; 30XH3A; 20XГHTP; 40XH2MA; 36X2H2MΦA; 30X3MΦA; 38XH3MA; 38X2H2MA	Alloy structural ГОСТ4543-71	In mechanical engineering for manufacture of details and mechanisms heat-treated additionally	Min. batch at least 10 t. Packaging and marking according to ГОСТ7566-81
	Ø25-28; 32; 34; 38; 41; 48; 49; 52; 54; 56; 63; 64	4,5-5 3,5-4		* As well as from all the steel grades listed on page 5			
Hot-rolled round products turned with cutter of carbon and alloy steel	Ø28; 30; 32; 34; 35; 37; 40; 42; 45; 50; 52; 55; 60; 65; 70	4,5-6	TY 14-1-2252-90	10; 30; 38; 40; 43; 50; 50; 12XH; 14XГH; 19XГH; 20XГHM; 25XГТ; 30XM; 40XГHM	Carbon and alloy TY14-1-2252-90	For manufacture of motorcar components by hot working method	Min. batch - 65 t. Packaging and marking according to ГОСТ7566-81
Hot-rolled round steel of general purpose. Section steel	Ø25-28; 30-36; 38; 40-42; 44-46; 50; 52; 55; 56; 58; 60; 63; 70; 80; 90; 100; 105; 110; 115; 120; 130; 140; 150; 160; 170; 180	5,5-6,3; 4-6	DIN 1013 part 1 (normal deviations)	DIN (EN) : 1.1178; 1.1186; 1.1191; 1.1206; 1.6523; 1.6582; 1.6587; 1.7035; 1.7131; 1.7225; S355J2G3; St52-3 N etc. ASTM : AISI 1018; 1030; 1035; 1040; 1045; 1050; 1141; 4130; 4140; 4142; 4320; 4340; 8620; 8630 etc BS : 070M20; 070M55; 080M40; 722M24 etc JIS : S45C; SCM440; SCM415 etc		For manufacture of motorcar details and mechanisms	According to manufacturer's methods
Hot-rolled steel products for springs	strip rolled products: 63-90x18-18	4,5-9	ГОСТ 7419-90	65Г; 55C2; 60C2; 60C2A; 60C2XA; 65C2BA; 60C2XΦA; 50XΦA; 50XГΦA; 50XГ and others	Spring carbon and alloy ГОСТ14959-79	For manufacture of springs and other motorcar details used in hardened and tempered condition	Min. batch - 65 t. Packaging and marking according to ГОСТ7566-81
	trapeziform stepped: 65x10; 65x11						
	T-shaped rolled products: 65x40x10x4; 75x55x10,11,12x4,4,4,4,8; 90x63x10,11,12x4,4,4,4,8; 90x63x14,18x5,6,7,2						

# Chelyabinsk Metallurgical Plant

## bloom billet

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Hot-rolled steel square products	□ 200-250 □ 250-320 (bloom)	1,6-4	TY 14 -1-2118-98; TY 14-1-3299-82; TY 14-1-1397-75; TY 14-1-1515-75; TY 14-1-655-73; TY 14-1-748-73; TY 14-1-478-73 (dimensions in concordance with TY 14-1-4492-88)	65Г; 55С2; 60С2; 60С2А; 60С2ХА; 65С2ВА; 60С2ХФА; 50ХФА; 50ХГФА; 50ХГ and others	Carbon alloy ГОСТ14959-79	For manufacture of springs and other motorcar details and mechanisms used in hardened and tempered condition	Min. batch - 10 t. Packaging and marking according to ГОСТ 7566-81
				10; 20; 25; 35; 40; 12ХН; 38ХА; 40Х; 40ХН; 30Г1Р; 20Г2Р; 16ХСН; 38ХГНМ	Quality structural carbon and alloy for cold extrusion and heading ГОСТ10702-78	For manufacture of domestic products by cold extrusion and heading method	
				У7(А); У8(А); У9(А); У10(А); У11(А); У12(А); У13(А)	Tool carbon ГОСТ1435-90	For manufacture of tools operated in conditions that do not resulted in cutting edge heating, simple shaped calibers, stamps for cols stamping	
				Group 1 - 8ХФ; 9ХС; 9ХВГ; ХВГ and others. Group 2 - 7Х3; 5ХНМ; 5ХНВ; 3Х3М3Ф; 4Х5МФС; 4Х4ВМФС (ДИ22) and others	Tool alloy ГОСТ5950-2000	Group 1 - for manufacture of tools used mainly for metal and other materials working in cold condition. Group 2 - for manufacture of tools used mainly for metal forming at temperature over 300° С	
					Tool high-speed ГОСТ19265-73	For manufacture of cutting tools used at hardened and tempered alloy and corrosion-resistant steel working	
				20Х13; 30Х13; 40Х13; 40Х10С2М; 08Х18Н10Т; 12Х18Н10Т; 10Х17Н13М2Т (ЭИ448)	Corrosion-resistant, heat-resistant and high-temperature ГОСТ5632-72	For manufacture of details and mechanisms intended to be operated in corrosive media and at temperature over 500° С	
				95Х18; 14Х17Н2 (ЭИ268); 20Х23Н18 (ЭИ417); 45Х14Н14В2М (ЭИ69); 10Х11Н23Т3МР (ЭП33) and others	Corrosion-resistant, heat-resistant and high-temperature ГОСТ5632-72	For manufacture of details and mechanisms intended to be operated in corrosive media and at temperature over 500° С	
				12Х1МФ; 25Х1МФ; 15Х5М; 20Х1М1Ф1БР (ЭП44); 20Х1М1Ф1ТР (ЭП182)	ГОСТ 20072-74	For manufacture of details and mechanisms operated in stressed conditions at temperature up to 600° С — during long period	
				25Х1МФ; 25Х2М1Ф (ЭИ723); 20Х1М1Ф1ТР (ЭП182)	Thermostable ТУ14-1-552-72		
				ШХ4; ШХ15; ШХ15СГ; ШХ20СГ; ШХ15-Ш	Bearing ГОСТ 801-78	For manufacture of bearing rings, balls and rollers	
				АС14; АС35Г2; АС14ХГН; АС20ХГНМ; АС38ХГМ; АС130ХМ; АС40ХГНМ; АС40Х; АС20ХГНМ; АС40Х	Structural steel of advanced and high machinability by cutting (plumbous and calcium content), ГОСТ1414-75, ТУ14-1-2217-92	For manufacture of motorcar components by hot forming method and machining in automatic machines	
				St0; St1kp; St2ps; St3cn; St3ps; St5ps	Carbon ordinary ГОСТ380-94	Rod for wire treatment (TY 14-1-5283-94), rod for packaging (TY 14-1-5282-94)	
15Х; 30Х; 40Х; 45Х; 20Г; 30Г; 50Г; 15ХМ; 38ХМ; 30ХМА; 40ХН; 38ХС; 18ХГТ; 30ХГТ; 12Х2Н4А; 30ХГСА and others	Alloy structural ГОСТ4543-71	In mechanical engineering for manufacture of details and mechanisms heat-treated additionally	Min. batch at least 10 t. Packaging and marking according to ГОСТ7566-81				



# Chelyabinsk Metallurgical Plant

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Hot-rolled steel square products	□ 80	9,5-11,5	TY 14-1-4492-88	St0; St1kp; St2ps; St3cn; St3ps; St5ps  10; 15; 20; 25; 30;35; 40;45; 50;55; 60	Carbon ordinary ГОСТ380-94  Carbon quality structural ГОСТ1050-88	Billet for further recasting (at length exceeding 6 meters, billet is delivered with actual surface condition)	Min. batch of delivery-heat norm
	□ 100	9-10					
	□ 105	1,5-12,5-6					
	□ 120	5-6,9-12					
	□ 130	1,5-12, 5-6					
	□ 150	10-12					
	□ 180	5-7					
	□ 130	At most 2,3	TY 14-1-904-74	AC14; AC35Г2; AC30XM; AC12XM; AC38XГM	Structural steel advanced and high machinability by cutting ГОСТ1414-75, TY 14-1-2217-92		Min. batch- 65 t. Packaging and marking according to ГОСТ 7566-81
	□ 156	At most 4,5					

**Note 1:** Metal products of the enumerated dimensions as well as of other steel grades to ensure requirements differing from the requirement of GOCTs can be manufactured according to the special technical requirements or bilateral records regarding the delivery terms negotiation.

**Note 2:** In order to ensure the advanced requirements to quality according to GOCTs, specification and records regarding the delivery terms negotiation, the metal products can be manufactured with application of the special methods of melting and subsequent remelting: VI (vacuum-induction melting), IA (vacuum-induction melting with subsequent vacuum-arc remelting), VA (open arc melting by vacuum-arc remelting), S (open arc melting with subsequent electroslag remelting).



COST

rolled products

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Rolled products	Ø12 -26	бунты 900 кг	ГОСТ2590, DIN1013, ASTM A29/A29M	St37-2;RST37-2;St37-3; St44-2;St44-3; St52-3; St50-2; St60-2; St70-2	Carbon of general purpose ГОСТ380-94	Steel for welded structures	Weight of batch of the same size 5 t
	Ø12 -140	3-6		C22;CK22;Cm22;C25;CK25;Cm25;C30;CK30; Cm30;C35; CK35;Cm35;C40;CK40; Cm40;C45;CK45;Cm45;C50;CK50;Cm50;C55; CK55; Cm55;C60;CK60;Cm60	Quality carbon ГОСТ1050-88, DIN17200, EN10083	Carbon steel for mechanical engineering	
				38Cr2;38CrS2; 34Cr4; 34CrS4; 37Cr4;37CrS4; 41Cr4;41CrS4; 25CrMo4; 34CrMo4; 34CrMoS4; 42CrMo4; 42CrMoS4; 34CrNiMo6;36CrNiMo4; 30CrNiMo8;50CrV4; 30CrMoV 9	Structural alloy ГОСТ 4543-71, DIN17200, EN10083	alloy steel for mechanical engineering	
				C55;C60;C67;C75;55Si7; 67SiCr5;38Si7;60SiCr7; 55Cr3;50CrV4;51CrMoV4	Spring carbon and alloy ГОСТ14959-79, DIN17222, DIN17221	Spring carbon and alloy steel	
				Cq15;Cq22;Cq35;Cq45; 41Cr4;19MnB4;25CrMo4; 42CrMo4;34CrNiMo6; 30CrNiMo8	Quality structural and alloy DIN1654	For cold depression and deflection	
	Ø12 -80	3-7		DIN1014	St37-2;RST37-2;St37-3; St44-2;St44-3; St52-3; St50-2; St60-2; St70-2	Carbon of general purpose ГОСТ380-94	
Ø12 -60	3-6	DIN1017	St37-2;RST37-2;St37-3; St44-2;St44-3; St52-3; St50-2; St60-2; St70-2				
□60, 65, 70		strip 60-120x6-30	ГОСТ2590, DIN1013, ASTM A29/A29M	St37-2;RST37-2;St37-3; St44-2;St44-3; St52-3; St50-2; St60-2; St70-2	Quality carbon ГОСТ1050-88, DIN17200, EN10083	Carbon steel for mechanical engineering	
strip 60-120x6-30	DIN1014			38Cr2;38CrS2; 34Cr4; 34CrS4; 37Cr4;37CrS4; 41Cr4;41CrS4; 25CrMo4; 34CrMo4; 34CrMoS4; 42CrMo4; 42CrMoS4; 34CrNiMo6;36CrNiMo4; 30CrNiMo8;50CrV4; 30CrMoV 9			
Turned rolled products	Ø18 -140	3-6	DIN1017	C22;CK22;Cm22;C25;CK25;Cm25;C30; CK30;Cm30;C35;CK35;Cm35;C40;CK40; Cm40;C45;CK45;Cm45;C50;CK50;Cm50; C55;CK55; Cm55;C60;CK60;Cm60	Quality carbon ГОСТ1050-88, DIN17200, EN10083	Carbon steel for mechanical engineering	
Annealed rolled products	strip 60-120x6-30	3-6	DIN1014	C55;C60;C67;C75;55Si7; 67SiCr5;38Si7;60SiCr7; 55Cr3	Spring carbon and alloy ГОСТ14959-79, DIN17222, DIN17221	Spring carbon and alloy steel	
	□60, 65, 70		DIN4620	C22;CK22;Cm22;C25;CK25;Cm25;C30; CK30;Cm30;C35;CK35;Cm35;C40;CK40; Cm40;C45;CK45;Cm45;C50;CK50;Cm50; C55;CK55; Cm55;C60;CK60;Cm60	Quality carbon ГОСТ1050-88, DIN17200, EN10083	Carbon steel for mechanical engineering	
	strip 60-120x6-20		DIN1014	38Cr2;38CrS2; 34Cr4; 34CrS4; 37Cr4;37CrS4; 41Cr4;41CrS4; 25CrMo4; 34CrMo4; 34CrMoS4; 42CrMo4; 42CrMoS4; 34CrNiMo6;36CrNiMo4; 30CrNiMo8;50CrV4; 30CrMoV 9	Structural alloy ГОСТ 4543-71, DIN17200, EN10083	Hardened and tempered alloy steel for mechanical engineering	
Annealed turned rolled products	Ø18 -140	3-6	ГОСТ 2590, DIN1013, ASTM A29/A29M	C22;CK22;Cm22;C25;CK25;Cm25;C30; CK30;Cm30;C35;CK35;Cm35;C40;CK40; Cm40;C45;CK45;Cm45;C50;CK50;Cm50; C55;CK55; Cm55;C60;CK60;Cm60	Quality carbon ГОСТ1050-88, DIN17200, EN10083	Carbon steel for mechanical engineering	
	Ø18 -80	3-7		C55;C60;C67;C75;55Si7; 67SiCr5;38Si7;60SiCr7; 55Cr3;50CrV4;51CrMoV4	Spring carbon and alloy ГОСТ14959-79, DIN17222, DIN17221	Spring carbon and alloy steel	
	Ø18 -60	3-6		Cq15;Cq22;Cq35;Cq45; 41Cr4;19MnB4;25CrMo4; 42CrMo4;34CrNiMo6; 30CrNiMo8	Quality structural and alloy DIN1654	For cold depression and deflection	
	Ø20 -80		ГОСТ2590, DIN1013	C70W2;C80W1;C105W1	Tool carbon ГОСТ1456, DIN17350		
	Ø20 -70		115CrV3; 100Cr6; 90MnCrV8; 60WCrV7; 45NiCrMn4; X36CrMo17; 45WCrV7; 100MnCrW4	Alloy tool ГОСТ5950, DIN17350			

# COST

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Annealed turned advanced rolled products	Ø20 -140	3-6	ГОСТ2590, DIN1013, ASTM A29/A29M	38Cr2;38CrS2; 34Cr4; 34CrS4; 37Cr4;37CrS4; 41Cr4;41CrS4; 25CrMo4; 34CrMo4; 34CrMoS4; 42CrMo; 42CrMoS4; 34CrNiMo6;36CrNiMo4; 30CrNiMo8;50CrV4; 30CrMOV9	Structural alloy ГОСТ 4543-71, DIN17200, EN10083	Hardened and tempered alloy steel for mechanical engineering	Weight of batch of the same size 5 t
Annealed turned polished rolled products	Ø18 -60	3-6	DIN668, h11	38Cr2;38CrS2; 34Cr4; 34CrS4; 37Cr4;37CrS4; 41Cr4;41CrS4; 25CrMo4; 34CrMo4; 34CrMoS4; 42CrMo; 42CrMoS4; 34CrNiMo6;36CrNiMo4; 30CrNiMo8;50CrV4; 30CrMOV9	Structural alloy ГОСТ 4543-71, DIN17200, EN10083		
		3-7		C55;C60;C67;C75;55Si7; 67SiCr5;38Si7;60SiCr7; 55Cr3;50CrV4;51CrMoV4	Spring carbon and alloy ГОСТ14959-79, DIN17222, DIN17221	Spring carbon and alloy steel	
		3-6		Cq15;Cq22;Cq35;Cq45; 41Cr4;19MnB4;25CrMo4; 42CrMo4;34CrNiMo6; 30CrNiMo8	Quality structural and alloy DIN1654	For cold depression and deflection	
	Ø20 -80			100Cr6;100CrMn6	Ball bearing ГОСТ801, DIN17230		
Austenitized turned rolled products	Ø20 -80	3-6	ГОСТ2590, DIN1013	X10Cr13;X15Cr13; X20Cr13; X30Cr13; X40Cr13;X45Cr13;X6Cr17; X5CrTi17;X19CrNi17.2; X5CrNi18.10;X6CrNiTi18.10;X59NiMo17.1 2.2; X2CrNiMo17.12; X6CrNiMoTi17.12; X2CrNi18.10	Stainless steel ГОСТ5632, EN10088		Weight of batch of the same size 3 t
	Ø20 -80 (шлифованный)		DIN668, h11				
Plain rolled products with die-rolled section	Ø12 -40	6-12	STAS 438/1-89 ASTMA A615/A615M-01b BS4449-97	OB 37; PC 52; PC 60; Grade 40; Grade 60; Grade 250; Grade 460	GOST 380-94 GOST 5781-82 STAS 438/1-89 ASTMA 615/A615M-01b BS 4449-97	Plain and section reinforcement	Weight of batch of the same size 5 t

# COST

## bloom billet

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Bloom billet (peeled)	□ 100-140, □ 160-250	4-9	STAS 4436/90	St37-2;RST37-2;St37-3; St44-2;St44-3; St52-3; St50-2; St60-2; St70-2	Carbon of general purpose ГОСТ380-94	Steel for welded structures	Weight of batch of the same size 5 t
				C22;CK22;Cm22;C25;CK25;Cm25;C30; CK30;Cm30;C35;CK35;Cm35;C40; CK40; Cm40;C45;CK45;Cm45;C50;CK50; Cm50;C55;CK55; Cm55;C60;CK60;Cm60	Quality carbon ГОСТ1050-88, DIN17200, EN10083	Carbon steel for mechanical engineering	
				38Cr2; 38CrS2; 34Cr4; 34CrS4; 37Cr4; 37CrS4; 41Cr4;41CrS4; 25CrMo4; 34CrMo4; 34CrMoS4; 42CrMo; 42CrMoS4; 34CrNiMo6;36CrNiMo4; 30CrNiMo8;50CrV4; 30CrMOV9	Structural alloy ГОСТ 4543-71, DIN17200, EN10083	Hardened and tempered alloy steel for mechanical engineering	

# Industria Sarmei

# rolled products

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Round section	Ø14-32	6-12	DIN 1013, STAS333-87	ST37-2; RSt 37-2; ST44-2; ST 52-3; ST 50-2	DIN 17100, STAS 500/2-80		Bundles of 1-3 t
				C22, 25, 30, 35, 40, 45, 50, 55, 60	DIN 17200, STAS 880-89		
Square section	□12, 14, 16, 18, 20, 22, 24, 25, 26, 28, 30	6	DIN 1014, STAS 334-88	ST37-2; RSt 37-2; ST44-2; ST 52-3; ST 50-2	DIN 17100, STAS 500/2-80		Bundles of 1-3 t
				C22, 25, 30, 35, 40, 45, 50, 55, 60	DIN 17200, STAS 880-89		
Flat section	25-70x5-10	3-6	DIN 1017, STAS 395-88	ST37-2; RSt 37-2; ST44-2; ST 52-3; ST 50-2	DIN 17100, STAS 500/2-80	For welded structures, machines manufacture	Bundles of 1-3 t, 3000-6000 mm in length
				C22, 25, 30, 35, 40, 45, 50, 55, 60	DIN 17200, STAS 880-89		
	10-20x3-5		DIN 1017	ST37-2; RSt 37-2; ST44-2; ST 52-3; ST 50-2	DIN 17100, STAS 500/2-80		
				C22, 25, 30, 35, 40, 45, 50, 55, 60	DIN 17200, STAS 880-89		
Square section	□6; 7; 8; 9; 10	3-6	DIN 1014	ST37-2; RSt 37-2; ST44-2; ST 52-3; ST 50-2 C22, 25, 30, 35, 40, 45, 50, 55, 60	DIN 17100, STAS 500/2-80 DIN 17200, STAS 880-89		
Hot-rolled wire rods	□5,5; 6; 8; 10;12	Coils of 400-600 kg	DIN 59110, STAS 563-89	ST37-2; RSt 37-2; ST44-2; ST 52-3; ST 50-2 D-9, D10-2, D15-2, D20-2, D25-2, D30-2, D35-2, D40- 2, D45-2, D50-2, D55-2, D58-2, D60-2, D63-2, D65-2, D68-2, D70- 2, D73-2, D75-2 C22, 25, 30, 35, 40, 45, 50, 55, 60	DIN 17100, DIN 17140, DIN 17200	For machines manufacture, heat treatment up to standard temperature	Coils of 400-600 kg, 3 coils in principal bundle
Plain reinforcing steel	Ø5,5; 6; 8;10;12	Coils of 400-600 kg	DIN 59100, STAS 438-89	RSt37-2	DIN 17100	For construction work	Coils of 400-600 kg, 3 coils in principal bundle. In bundles of 1-3 t for dimensions exceeding 12 mm
	Ø14-32	Bars of 6-12 m	DIN 1013, STAS 438-89				
Reinforcing steel of die-rolled section	Ø8; 10; 12; 14; 16; 18; 20; 22; 25	Coils of 400-600 kg, Bars of 6-12 m	ASTM A 615, STAS 438-89	Марка 40, Марка 60	ASTM A 615	For concrete reinforcement	Coils of 400-600 kg, 3 coils in principal bundle. Bars of 6-12 m in length, in bundles of 1-3 t for diameters exceeding 14 mm



# Beloretsk Metallurgical Plant

## rolled products

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery					
	Section, mm	Length, m										
Section and structural rolled products	Ø6,5-8,0	Bundles of 700-2000kg	ТУ 14-1-878-74	АС14	ТУ 14-1-878-74	For manufacture of fixing details by cold extrusion method	Bundles. Soft packaging (paper, cloth). Marking label. Bundles of 700-2000 kg. External diameter -1250 mm internal -850 mm					
				АС14	ТУ14-1-4104-86							
				АС14	ГОСТ2246-70							
	Ø5,5-14,0		Bundles of 700-2000kg	ГОСТ535-88 ГОСТ2590-88	Ст0, Ст3кп, Ст3пс - Ст6пс, Ст3сп - Ст6сп	ГОСТ380-94	For manufacture of bearings, springs, for cold extrusion and other purposes	Bundles of 700-2000kg. External diameter -1250 mm internal-850 mm				
	Ø5,5-12,0				ГОСТ801-78	10, 20, 10кп и др.			ГОСТ14959-79 ГОСТ1050-88 ГОСТ4543-71			
					Ø5,5-14,0	ГОСТ535-88 ГОСТ2590-88			Ст0, Ст3кп, Ст3пс-Ст6пс, Ст3сп-Ст6сп	ГОСТ380-94		
						Ø6,5-12,0			ГОСТ14959-79, ГОСТ2590-88	65 - 85, 60Г - 70Г, 51ХФА	ГОСТ1435-99 ГОСТ14959-79	
	Ø6,5-13,0				Bundles of 700-2000kg	ГОСТ10702-78			10,20,25,35,40,10кп,20кп, 38ХА,38ХГНМА	ГОСТ1050-88, ГОСТ4543-71, ГОСТ10702-78	For manufacture of products by cold extrusion method	Bundles of 700-2000 kg. External diameter -1250 mm internal-850 mm
	Ø5,5-14,0								ГОСТ535-88 ГОСТ2590-88	Ст0 Ст3кп Ст3пс-Ст6пс Ст3сп-Ст6сп		
	Ø6,5-13,0				Bundles of 700-2000kg	ГОСТ10702-78			10,20,25,35,40,10кп,20кп, 38ХА,38ХГНМА	ГОСТ1050-88, ГОСТ4543-71	For manufacture of products by cold extrusion method	Bundles of 700-2000 kg. External diameter -1250 mm internal-850 mm
Ø5,5-12,0	Bundles	10ч50, 38ХА, 38ХГНМ	Structural carbon и alloy, ГОСТ1050, ГОСТ4543-71	Bundles. Soft packaging (paper, cloth). Marking label								
Round rolled steel with special surface finish (in bundles in bars) - finish group В,Г,Д – bars - finish group Е – bundles	Ø5,5-8,0	Bundles and bars of 700-2000kg	ГОСТ14955-77	У7АчУ10А	Carbon tool, ГОСТ1435-74	For different purposes	Bars - packaging in bundles (wooden boxes or paper and cloth). Marking label. Bundles of 700-2000kg					
				12Х18Н10Т 12Х18Н9Т	High-alloy corrosion-resistant, ГОСТ5632-72							
				51ХФА	Spring alloy, ГОСТ14959-79							
				36Нч43Н 47НД, 29НК	Precision alloys, ГОСТ10994-74							



## Beloretsk Metallurgical Plant

rod

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Carbon ordinary quality steel rod	Ø5,5-14,0	Bundles of 700-2000 kg	ГОСТ30136-94, section ГОСТ2590-88	St 0, St1kp-St3kp, St1ps-St3ps, St1cn-St3cn	ГОСТ380-94	For packaging and other purposes	Bundles of 700-2000 kg, External diameter -1250 mm internal-850 mm
Carbon steel rod	Ø5,5-10,0		TY 14-1-5282-94, ГОСТ2590-88	St 0, St1-St3 of all the degrees of reduction			
Rope and structural rod cooled by two-stage method	Ø5,5-12,0		TY14-173-94-99	St 0, St1kp-St3kp, St1ps-St3ps, St1cn- St3cn			
Steel rod for metal cord	Ø5,5; 6,5		TY 14-15-113-82	Class PD 35-60 65-85,60G-70G	ГОСТ1050-74 ГОСТ14959-79 TY14-15-231-90	For metal cord	
				Class PD 35-60 65-85,60G-70G	TY 14-1-1881-76, Pr1206, meas. №5		
High-clean steel sorbitized rod	Ø5,5;6,5		TY 14-1-1881-76	70 cord	TY14-1-1881-76, Pr1206, meas. №5	For metal cord	
	Ø6,5;8,0				TY14-1-4752-89, sp 1206 meas. №5		
Chromium-silicon steel rod by electroslag remelting	Ø6,5;8,0		TY 14-1-4752-89	70	ГОСТ4543-71 ГОСТ10702-78 Pr 1364,pp863	For metal cord	
	Ø6,5; 8,0				ГОСТ1050-88 ГОСТ4543-71,ГОСТ10702- 78 TY14-1-4752-89, Pr 1206 meas. №5		
Welded rod	Ø6,5; 7,0		TY14-173-149-87	60C2XA-III	ГОСТ14959-79	For metal cord	
		TY14-173-149-87	60C2XA-III	TY14-1-582-73, TY 14-1- 878-74			
Alloy and high-alloy steel rod	Ø6,5-8,0	TY14-1-4104-86	70XГФА-III	TY14-1-4104-86 TY14-173-182-89 ГОСТ380-94	For welding wire		
	Ø5,5-8,0	TY 14-1-582-73	Св-08 Св-08Г1С	TY14-1-582-73			
Rope steel and structural rod	Ø5,5-11,0	TY14-1-2203-77	Св-08 Св-08Г1С	ГОСТ2246-70	For manufacture of rods, in construction and other purposes		
				Св08ГС Св08Г2С Св08ХМА		ГОСТ2246-70 TY14-1-4104-86, TY14- 173-182-89	
Rod from bearing steel	Ø6,5-12,0	TY14-173-146-83	У7А,У8А,У10А	ГОСТ14959-79	For bending wire		
				ГОСТ1050-88 ГОСТ14959-79 ПП 1192, TY14-1-5317-95 ГОСТ1050-74, ГОСТ14959-79, TY14-15- 231-90			
		TY 14-1-5317-95 ГОСТ2590-88	35-60, 65-85,60Г-80Г, 35-85 class BK,PK,KK	TY 14-1-1881-76, Pr1206, meas. №5			
		ГОСТ801-78	ШХ15Ш, ШХ15В	ГОСТ801-78	For bending wire	Bundles of 700-2000 kg	



## Beloretsk Metallurgical Plant

Product	Dimensions		Product specification	Steel grade	Steel specification	Use	Forms of delivery
	Section, mm	Length, m					
Tool steel rod	Ø6,5	Bundles of 700-2000 kg	TY14-173-182-89	Y7A, Y8A, Y9A and other	TY14-173-182-89, ASTMA510M	For needle wire	Bundles of 700-2000 kg. External diameter -1250 mm internal-850 mm
	Ø5,5-8,0		TY14-173-146-83		Y7A, Y8A, Y9A and other		
	Ø5,5-8,0			TY14-1-582-73			
Carbon ordinary quality steel rod	Ø5,5-14,0		TY 14-1-5282-94 ГОСТ2590-88	St 0, St1-St3 of all the degrees of reduction and other	ГОСТ380-94, TY14-15-231-90	For packaging and other purposes	
Rope and structural rod cooled by two-stage method	Ø5,5-12,0		TY 14-15-113-82		Class ПД 35-60 65-85,60Г-70Г	TY 14-1-4752-89, Пп. 1206 change №5	
Carbon ordinary quality steel rod	Ø5,5-11,0		TY14-1-5283-94 ГОСТ2590-88	St 0, St1-St3 of all the degrees of reduction and other	ГОСТ380-94	For wire treatment	
		ГОСТ1050-88 ГОСТ14959-79, ПР.1192, TY14-1-5317-95					

