



Catalogue

- Raw materials and semi-finished products
- Steel products

Severstal in numbers (2024)

Severstal is a vertically integrated mining and metallurgical company which creates new steel products and integrated steel solutions together with customers and partners.

Key asset is Cherepovets steel mill (Russian Federation).



10

million tonnes
of hot metal
(production)



10.4

million tonnes
of steel products
(sales)

1.3

billion dollars
investment in production
modernization and new
capacities



10.9

million tonnes
of crude steel
(production)



5.6

million tonnes
of high value added
products (sales)

Certificates and licenses

Severstal is a reliable supplier with certified quality management system

Quality Management System ISO 9001:2015

IATF 16949:2016

Environmental Management System ISO 14001:2015

STO* Gazprom 9001-2018

According to the audit results, the QMS of PAO "Severstal" complies with GK "Rosatom" enterprises standards by 100%

Occupational Health and Safety Management System ISO 45001:2018

Anti-Bribery Management Systems ISO 37001:2016

Bureau of Industry and Security (BIS) license

CE (Conformité Européenne) Marking for EN 10025, EN 10219 and EN 1090

The Pressure Equipment Directive (PED) (2014/68/EU)

*STO - Standard of the Organization



Comprehensive approach to customer's requirements



Available dimensions

Wide range of dimensions and tolerances



Packaging

Packaging materials and methods upon products storage requirements



Technology

Ensuring optimal technology for metal products processing



Appropriate steel grades

Assistance with steel grade selection according to customer's needs



Raw materials
and semi-finished products



Slab, square billet, pig iron, iron ore pellet

Raw materials

Non-fluxed iron ore pellets

Standard	Fe%	SiO ₂	S	P	Al ₂ O ₃	Na ₂ O+K ₂ O	<5mm	CCS
TU* 0722-002-05789251-2009	65.00	5.8	0.008	0.02	0.35	0.13	2.0	220

TU* - Technical specifications

Pig iron

Standard
GOST** 805-95. Pig iron grades: P1 and P2. Pig weight max 18 kg

GOST** - Inter-state standard of the Eurasian Economic Union

Semi-finished products

Slab

Standard	Thickness, mm	Width, mm*	Length, mm*
Steel grades according to GOST, EN, ASTM, JIS. Product standard: TU 14-1-3347-2025	250	1,020 - 1,850	5,000 - 10,300
	315	1,720 - 2,000	5,000 - 7,800

Square billet

Standard	Thickness, mm	Width, mm*	Length, mm*
Steel grades according to GOST, EN, ASTM, and JIS. Product standard: STO 00186217-664-2022	106	106	10,500 - 12,000
	152	152	5,000 - 12,000

* Dimensions to be agreed upon order placement

Steel products



Hot rolled steel

Type	Thickness, mm	Width, mm	Length, mm	Steel grade	Standards
Coil	1.1 - 6.0 1.2 - 25.0	940 - 1,450 500 - 1,835		St3sp/ps; 65G; 50; 45; 40H; 40; 35; 30; 25; 20H; 20ps; 20; 15ps; 15; 10ps; 10; 08ps; 08Yu; 09G2S; 09G2; S255-440; 10-15HSND; 14HGND	GOST* 14637-89; GOST 1577-93; GOST 19281-89; GOST 16523-97; GOST 4041-2017; GOST 27772; GOST 6713; GOST 55374; GOST 5520 EN 10025-02:2004; EN 10225; ASTM A560; JIS G3113-06; JIS G3131-10; JIS G3132-11; JIS G3101-2015; ASTM A36/A36M-19; ASTM A568/A568M-19 ^a ; ASTM A36/A36M-19; ASTM A283/283M-18; ASTM A131/A131M-14; ASTM A1018/A1018M-16a
Sheet/ plate	1.2 - 16.0 7.0 - 50.0 10.0 - 240.0	900 - 1,835 1 500 - 2,530 1 500 - 4,700	1,700 - 12,100 4,000 - 12,200 4,000 - 18,000	S235JR; S235J2; S235JR+AR; S355J2+N; S355K2+N; S355J2G3; S355K2G3; 3SP5; S355J2; S275JR; 15HSND; 3SP3; 09G2S; S235J0; 20K; 22K 09G2D; 3SP1; S355-460MLO(NLO)	EN 10025-02:2004; EN 10225; ASTM A560; JIS G3113-06; JIS G3131-10; JIS G3132-11; JIS G3101-2015; ASTM A36/A36M-19; ASTM A568/A568M-19 ^a ; ASTM A36/A36M-19; ASTM A283/283M-18; ASTM A131/A131M-14; ASTM A1018/A1018M-16a
Strip	1.2 - 8.0	100 - 499		SAPH 370; SPHC; SPHT 1; SPHT 2; SS400	A36; SAE 1005; SAE 1006; SAE 1008; SAE 1010; SAE 1012; SAE 1018; SAE 1015; SAE 1018; SAE 1020; SAE 1021; SAE 1017; SAE 1025; SAE 1026 C; A; CS Type B; HSLAS 50(340) Class 1; SS 36(250) Type 1

Steel for laser cutting - Steellazer - is available for all grades.

End use
**Construction
Machinery**

Hot rolled products with a diamond-shaped and lentic-shaped corrugation

Type	Thickness, mm	Width, mm	Length, mm	Steel grade	Standards
Coil	2.5 - 16.0	950 - 1 835		St3sp/ps; St2sp/ps; St1sp/ps; 09G2S; 20; S235JR; S275JR; S355JR	GOST 1050-2013; GOST 19281-2014; GOST 380-2005; ASTM A36/A36M-19; ASTM A568/A568M-19 ^a ;
Sheet	2.5 - 16.0	900 - 1 835	1 700 - 12 100	SAE 1006; SAE 1008; SAE 1010; SAE 1012; SAE 1018; A36	EN 10025-2:2019; ASTM A1011/A1011M-18 ^a

Hot rolled pickled steel

Type	Thickness, mm	Width, mm	Length, mm	Steel grade	Standards
Coil	1.3 - 6.0	900 - 1,600		St3sp/ps; St2sp/ps; St1sp/ps; 10ps; 15ps; 20ps; 10; 15; 20; 35; 25; 40; 45; 15; 10; 08ps; 08Yu; 08YuA; 09G2S; 20YuA;	GOST 16523-97 GOST 4041-2017 GOST 17066-94 amendm. IUS11-1997 GOST 19281-2014 amendm.1
Sheet/ plate	1.3 - 6.0	900 - 1,600	1,000 - 6,000	S235JR; S235J0; S235J2; S235JRC; S275JR; S275J0; S275J2; S355J2; S355J0; S355JR; S355MC; S315MC; S500MC; A36; CS Type B; DD 11; DD 12; DD 13; DD 14; RSt 37-2; SAE 1006; SAE 1008; SAE 1010; SAE 1015; SAE 1018; SAE 1020; SAE 1025; SG 255; SG 295; SS 33(230)	EN 10025-02:2004; EN10111:2009; EN 10149:2014; ASTM A36/A36M-19; ASTM A1011/A1011M-18 ^a ; EN 10111-08; DIN 17100-80; ASTM A569/A569M-98; JIS G3116-13; JIS G3113
Strip	1.3 - 6.0	100 - 750		SAPH370, SAPH440	

End use
**Construction
Machinery**

High strength heavy plates



Powerweld

Steel grade	Thickness, mm		Width, mm		Sheet length, mm	Yield strength, MPa	Tensile strength, MPa	Elongation min, %	Impact toughness KCV t -40°C, J/cm ² for thicknesses, mm		Impact toughness KCV t -60°C, J/cm ²	Impact toughness KCV t -70°C, J/cm ²	CEV, %	Z-properties (thickness 20-50)	Standards
	min	max	min	max					<40	≥40					
Powerweld 420	8	120	1,500	4,000*	2,000 – 12,000	420 – 580**	480 – 640	19	34	34	34	-	Max 0.46		STO* 00186217-572-2020, SP 16, EN 10025-6
Powerweld 460	8	80	1,500	2,500	4,000 – 12,000	460 – 590	570 – 690	20	70	70	70	-	Max 0.43	Max 0.47	STO 00186217-530-2020, SP 35, EN 10025-6
Powerweld 500	4	50	900	2,500	4,000 – 12,000	≤500	≤550	17	66	66	40	-	Max 0.46		STO 00186217-572-2022, EN 10025-6
Powerweld 690	8	50	1,500	2,500	4,000 – 12,000	690 – 870	770 – 940	14	80***	37.5	50****	29****	Max 0.51	Max 0.55	STO 00186217-294-2019, EN 10025-6

* For thicknesses 20 – 90 mm

** For thicknesses over 80 mm yield strength min 400 MPa

*** According to STO 294 KCV(-40°) at least 80 J/cm² is guaranteed

**** Guaranteed impact toughness KCV (-50°, -60°, -70°) for 8 - 40 mm, not less than 50 J/cm²; for thicknesses over 40 mm, not less than 29 J/cm²

Powerhard

Steel grade	Thickness, mm		Width, mm		Sheet length, mm	Hardness, HB	Yield strength, MPa	Tensile strength, MPa	Elongation min, %	Impact toughness KCV -40, J/cm ² , min	Standards
	min	max	min	max							
Powerhard 450	8	40	1,500	2,500	4,000 – 12,000	420 – 480	1,050	1,350	8	30	STO 00186217-582-202
Powerhard 500	8	36	1,500	2,500		465 – 545	1,200	1,400	8	30	

Other dimensions are available upon request.

High strength plates and tubes



Powerform

Steel grade	Thickness, mm		Width, mm		Sheet length, mm	Yield strength, MPa, min	Tensile strength, MPa	Elongation min, %	Impact toughness KCV -40, J/cm ² , min	Standards
	min	max	min	max						
Powerform 420	2	16				420	480 - 620	19	37.5	STO 00186217-308-2021 EN 10149-2
Powerform 460	2	12				460	520 - 670	17	37.5	
Powerform 500	1.8	12		1,500		500	550 - 700	14	50	
Powerform 550	2	10				550	600 - 760	14	50	
Powerform 600	4	6	900		2,000 - 12,000	600	650 - 800	13	37.5	
Powerform 650	4	6		1,250		650	700 - 860	12	37.5	
Powerform 700	4	6				700	750 - 930	12	37.5	

Powerweld Tube 420, Powerform Tube 500

Steel grade	Yield strength at Rp0,2 (MPa),	Tensile strength, Rm (MPa)	Elongation, A (%)	Impact strength KV -20°C (J) min	KCV -40°C (J/cm ²)	KCV -60°C (J/cm ²) Profile dimensions, mm	Profile dimensions, mm	Edge thickness, mm	Length, mm	Standards
	min		min							
Powerweld Tube 420	420	540-720	20	40	40*	34*	100x100 ÷ 300x300	4 - 12**	6,000 - 16,000	STO 00186217-581-2021
Powerform Tube 500	500-630	550-700	14	-	40*	-	48	2.0 - 3.0	5,000 - 12,000	STO 00186217-704

Other dimensions are available upon request.

Powerbase (30MnB5)

Steel grade	Thickness, mm		Width, mm		Sheet length, mm	Yield strength, MPa		Tensile strength, MPa		Hardness, HRC*	Standards
	min	max	min	max		Delivery condition, min	After heat treatment*, max	Delivery condition, min	After heat treatment*, max		
Powerbase	2	16	900	2,500	2,000 - 12,000				1,700	>52	STO 00186217-608-2021 ISO N° 683-2
	8	50	1,500	2,500	4,000 - 12,000	400	1,200	650	* water quenching		

* optional requirement for the purpose of statistical accounting
** for profile dimensions please refer to STO

High strength steels end use



Automotive industry

- Load-bearing elements of car and truck chassis
- Frame elements of passenger vehicles
- Platforms of heavy vehicles
- Dump truck bodies (floor, base frame, body structure elements, lining)
- Blades and linings of concrete mixers
- Extendible telescopes for trailers and semi-trailers
- Stabilizing stands



Lifting and rigging equipment

- Elements of hydraulic cranes, forklift trucks, ready mix trucks, and hauling equipment
- Lifting booms, cross beams, welded girders
- Lifting and rotating platforms for load-handling, road construction, utility, and special vehicles
- Scissor lift frames
- Manual hydraulic crane frames
- Load-bearing elements of vehicle bodies



Equipment for mining and transportation of bulk cargoes

- Mining dump truck structures
- Structural elements of excavator buckets and other earthmoving equipment
- Transfer bins and trolleys
- Grabbing excavators, screens, crushing machines
- Conveyor belts
- Loading trays
- Hydraulic hammers
- Containers



Agricultural machinery

- Grain-carrier bodies
- Chassis elements of self-propelled machines and tractors
- Frame elements of planting equipment



Construction

- Frames, beams
- Industrial and social buildings
- Transport infrastructure facilities
- Scaffolding
- Formwork



Cold rolled steel

Type	Thickness, mm	Width, mm	Length, mm	Steel grade	Standards
Coil	0.25 - 3.2	600 - 1,600		08ps; St1sp/ps; St2ps/sp; St3ps.sp; 10ps; 15ps; 20ps; 10; 15; 20; 30; 35; 40; 11YuA; 09G2S 08Yu; 08ps	GOST 16523-97 GOST 17066-94 GOST 9045-93 GOST 19851-74
Sheet/plate	0.25 - 3.2	800 - 1,600	1,000 - 4,000	08Yu; 08ps; 15ps; 15; 10ps; 10; 08; 20p; St1sp/ps; St2sp/ps; 20; DC01, DC03, DC04, DC05	EN 10130:2006 ASTM A1008/A1008M
Strip	0.25 - 3.2	100 - 599		CS type A, CS type B, DS type B, EDDS SAE 1006, SAE 1008, SAE 1010 SPCC, SPCC-T DC05EK EK2 HC260LA, HC300LA, HC340LA, HC380LA, HC420LA	ASTM A568/568M JIS G3141 EN 10209 DIN 1623 EN 10268

*Thickness and width range may vary depending on steel grade. Annealed and non-annealed CRC (cold rolled coils) production is available.

End use

Construction

- Stairs, railings, racks

End use

Machinery

- Automotive industry
- Household appliances
- Industrial packaging

End use

For further galvanizing and enameling

Weather resistant steel Forcera

FORCERA

Type	Thickness, mm	Width, mm	Length, mm
Coil and Sheet	0.7 - 6.0	1,100 - 1,250	Up to 6,000

End use

Construction

- Façade elements, interior details
- Hardscape elements
- Bridges
- Power transmission lines

End use

Machinery

- Railway cars
- Shipping containers

Galvanized steel

Type	Thickness, mm	Width, mm	Coating class	Steel grade	Standards
Coil	0.35 - 3.50	722 - 1,650	100 120 140 180	01; 02; 03; 04; 05; 06; 07; 220; 250; 280; 320; 350; 390; 420; 450; 550 08ps; 08Yu, St3sp/ps; St1ps; St2ps	GOST 14918 - 20
Sheet/plate	0.35 - 3.50	722 - 1,650	200 225 275 350 450 600	S220GD; S250GD; S280GD; S320GD; S350GD; S390GD; S420GD; S450GD; S550GD, DX51D; DX52D; DX53D; DX54D; DX56D; DX57D; HCT590X; HCT780X; HCT980X, HX180BD; HX220BD; HX220YD; HX260LAD; HX260YD; HX340LAD; HX420LAD	EN 10346
Strip	0.35 - 3.50	100 - 599		FS Type A; FS Type B; CS Type A; CS Type B; CS Type C; SS 33(230); SS 37(255); SS 40(275); SS 50(340) Class 1; SS 50(340) Class 2	ASTM A653/A653M
				SGCD1; SGCC; SGC340; SGC440	JIS G3302

End use

Construction

- Light gauge framing system — C, Z, L, U and other profiles, thermal profiles, trapezoidal sheets
- Façade systems
- Corrugated steel pipes
- Industrial reservoirs and storage facilities — tanks, bunkers
- Solar panel systems
- Roofing
- Fencing systems
- Drainage systems
- Ventilation systems
- Window profiles
- Espaliers

End use

Machinery

- Automotive industry
- Household appliances

Pre-painted galvanized steel

Type	Thickness, mm	Width, mm	Steel grade	Standards
Coil	0.35 - 1.5	900 - 1,600	08ps; 08Yu; St1ps; St2ps; St3ps; 01, 02, 250, 280, 320, 350	GOST 34180 - 2017
			DX51D DX52D, DX53D, DX54D, S250GD, S280GD, S320GD, S350GD, HX250LAD, HX280LAD, HX320LAD	EN 10169:2018

Outer polymer coating types: polyester, polyurethane.
Wide range of RAL colors and other palettes. Protective film can be applied.

End use

Construction

- Metal tile
- Standing seam roofing system
- Trapezoidal sheets
- Sandwich panels
- Drainage systems
- Enclosure systems (wall corrugated board, acoustic screens)
- Siding
- Façade panels

End use

Machinery

- Electrical appliance case
- Light equipment

Rooftop - pre-painted galvanized steel for roofing systems and rain gutters

ROOFTOP

Thickness, mm	Width, mm	Zinc coating grade	Polymer type	Coating thickness, µm	Steel grade
0.5	900 - 1,550	180	polyester	25	08ps/08Yu DX51D
		275	polyester	25	

Thickness, mm	Width, mm	Zinc coating grade	Polymer type	Coating thickness, µm	Steel grade
0.5	900 - 1,550	180	wrinkled polyester	30	08ps/08Yu DX51D
		275	wrinkled polyester	30	

Thickness, mm	Width, mm	Zinc coating grade	Polymer type	Coating thickness, µm	Steel grade
0.5	900 - 1,550	275	polyurethane	50	08ps/08Yu DX51D

Thickness, mm	Width, mm	Zinc coating grade	Polymer type	Coating thickness, µm	Steel grade
0.5	900 - 1,550	275	wrinkled polyurethane	50	08ps/08Yu DX51D

Thickness, mm	Width, mm	Zinc coating grade	Polymer type	Coating thickness, µm	Steel grade
from 0,5	900 - 1,550	180	polyester (PE)	35/35	DX52D, DX53D, DX54D
		180	polyurethane (PU)	40/40	
		180	wrinkled polyester (PE Matte)	30/30	

End use

Construction

- Metal tile
- Trapezoidal sheets
- Standing seam roofing system
- Drainage systems

Coversafe — pre-painted galvanized steel for sandwich panels and façade solutions

COVERSAFE

Coversafe Superproof

Resistant to biologically and chemically aggressive environments

Thickness, mm	Width, mm	Zinc coating grade	Polymer type	Coating thickness, µm	Steel grade
Not less than 0.5	900 - 1,550	180, 275	polyurethane	40, 50	08ps/08Yu

Coversafe Bioclean

Safety, suitable for clean rooms

Thickness, mm	Width, mm	Zinc coating grade	Polymer type	Coating thickness, µm	Steel grade
Not less than 0.5	900 - 1,550	140, 180, 275	PVC lamination	110	08ps/08Yu

Coversafe Classic

Quality base product

Thickness, mm	Width, mm	Zinc coating grade	Polymer type	Coating thickness, µm	Steel grade
Not less than 0.5	900 - 1,550	140, 180, 275	polyester	25	08ps/08Yu

End use

- Construction**
- Sandwich panels
 - Linear panels
 - Trapezoidal sheets
 - Façade cassettes
 - Corrugated sheets

End use

- Machinery**
- Household appliances

Electric welded round steel tubes

Diameter range, mm	Wall thickness, mm	Length, mm	Steel grade	Standards
16 - 89	1 - 4	5,000 - 12,000	St1ps, St2ps, St3sp/ps, 08ps, 20, 09G2S, GOST 10704-91, S235JR	TU* 14-105-692-2021, GOST 10705-80, GOST 10704-91, STO 00186217-477-2024
89 - 159	3 - 5	6,000 - 12,000	St3sp/ps, 09G2S, S235JR, S355J2H	GOST 10705-80, GOST 10704-91, STO 00186217-477-2024
159 - 426	3 - 16	6,000 - 16,000	St3sp/ps, 20, 09G2S, S355J0H, S355J2H	GOST 10705, GOST 10704-91

Supplemental dimensions

Profile sizes, mm	Thickness, mm
Ø168	3.5 - 10
Ø159 3.5 mm	3.5
Ø124	3 - 6
80x80	2 - 2.9

End use

- Construction**
- Fences and barriers
 - Sports grounds
 - Greenhouses
 - Furniture
 - Industrial and civil buildings and structures

Shaped tubes

Rectangular section tubes

Dimension, mm	Wall thickness, mm	Length, mm	Steel grade	Standards
20 x 10 - 100 x 50	1 - 4	5,000 - 12,000	St1ps, St2ps, St3sp/ps, 08ps, 20, 09G2, 09G2S, S235JR, S235JRH, S355J2H, C255, C355	GOST 30245-2003, GOST 13663-86, GOST 8645-68, TU 14-105-692-2021, STO 00186217-477-2019 EN 10219-1:2006

Rectangular section tubes/profiles

Dimension, mm	Wall thickness, mm	Length, mm	Steel grade	Standards
120 x 80 - 350 x 250	3 - 16	6,000 - 16,000	St3sp/ps, 09G2, 09G2S, S235JR, S355J2H, 10KHSND, C255, C345, C355	GOST 30245-2003, GOST 13663-86, GOST 11474-76, GOST 8645-68, GOST 25577-83 EN 10219-1:2006
80 x 60 - 220 x 100	3 - 8	6,000 - 12,000	St3sp/ps, 20, 09G2, 09G2S, S235JRH, S235JR, S355J2H, C255	GOST 30245-2003, GOST 13663-86, GOST 11474-76, STO 00186217-477-2024, TU 14-105-692-2021, GOST 8645-68

Square section tubes/profiles

Dimension, mm	Wall thickness, mm	Length, mm	Steel grade	Standards
15 x 15 - 80 x 80	1 - 4	5,000 - 12,000	St1ps, St2ps, St3sp/ps, S235JRH, 08ps, 20, 09G2, 09G2S, , S235JR, S355J2H, S235JRH, C255, C355	GOST 30245-2003, GOST 13663-89, GOST 8639-82, STO 00186217-477-2024, TU 14-105-692-2021 EN 10219-1:2006
80 x 80 - 150 x 150	3 - 8	6,000 - 12,000	St3sp/ps, 20, 09G2, 09G2S, S235JRH, S235JR, C255, C345	GOST 30245-2003, GOST 13663-89, GOST 8639-82, STO 00186217-477-2024, TU 14-105-692-2021
100 x 100 - 300 x 300	3 - 16	6,000 - 16,000	St3sp/ps, 20, 09G2S, S355J2H, S235JRH, C255, C345, C355	GOST 30245-2003, GOST 13663-86, GOST 11474-76, GOST 8639-82, GOST 25577-83

End use
Construction
Buildings elements (frames, beams)

End use
Machinery
Trailers, road construction equipment

End use
Consumer goods
Furniture, storage systems

Special tubes

Flat oval tubes

Section size, mm	Wall thickness, mm	Length, mm	Steel grade	Standards
30 x 15 - 50 x 30	1.1 - 2.0	4,600 - 6,000	St1ps, 08ps, 20, S235JR	TU 14-105-692-2021, STO 00186217-477-2024, GOST 13663-86, GOST 8644-68

Semi-oval tubes

Section size, mm	Wall thickness, mm	Length, mm	Steel grade	Standards
33 x 29 - 40 x 25	1.2 - 2.0	5,000 - 6,000	St1ps, 08ps, S235JR	TU 14-105-692-2021

End use

Construction

- Industrial buildings, warehouses, agricultural buildings
- Commercial buildings — shopping and business centers, hotels
- Social and administrative buildings - schools, hospitals, kindergartens
- Transport infrastructure — roads, bridges
- Playgrounds, sports grounds
- Furniture

Special tubes

Tubes made of cold rolled steel with wall's thickness 0.7 - 0.9 mm

High surface quality. Stable geometry. Lightness

Tubes with improved surface quality

Reduced roughness and minimal surface imperfections for optimal coating with paint or chrome for a mirror-like finish

Tubes for further processing by tapering and reducing

Weld seam quality control

High-strength welded profile 25x25x2 S355MC

Steel grade	Yield strength at Rp0,2 (MPa), min	Tensile strength, Rm (MPa)	Elongation, A (%) min	Dimensions, mm	Thickness, mm	Length, mm	Standard
S355MC	355	430 - 550	19	25x25	2	4,000-7,100	TU 14-105-692-2021

End use

Furniture and commercial and industrial equipment

- Household items
- Furniture
- Shelving
- Cargo trolleys for warehouses and distribution centers

Cold-rolled sheet piles

GRANI

Name	Cross-sectional area, cm ²	Wall's weight (1 m ² /kg)	Sheet pile's weight (1 m /kg)	Working width (mm)	Wall's height (mm)	Width (mm)	J (cm ⁴)	W (cm ³)	Steel consumption decrease (%)
Larssen L5-UM	145.1	228	113.8	506	430	Variable	75 800	3 555	-
Grani Type 1	176.1	184.3	138.2	750	600	12	105,850	3,530	19
Grani Type 2	119.8	156.7	94	600	500	10	61,280	2,450	31

End use

Construction

- General civil construction
- Road construction
- River shore protecting

Multi-faceted sheet piles

GRANI PRO

Weight 1 m2 (kg)	Height (mm)	Width (mm)	Width (mm)	Length (mm)	J (cm ⁴)	W (cm ³)
139 - 264	277 - 500	600 - 996	10 - 20	12,000	69,793 - 381,970	2,281 - 7,673

End use

Construction

- Hydraulic structures
- General civil construction
- Road construction

Large diameter pipes

Line pipes

Outer diameter, mm	Wall thickness, mm	Length, m	Strength class	Steel grade	Standards
508 (20") / 609.6 (24") / 711.2 (28") / 762 (30") / 812.8 (32") / 914.4 (36") / 1016 (40") / 1066.8 (42") / 1219.2 (48") / 1422.4 (56")	8 - 40	10 - 18.3	Gr B - X100	St.2-3 (sp,ps,kp); 09G2S 17G1S(U); 13G1S(U); 12G2SB; 10G2FB(U,Yu)	GOST 20295, GOST 31447 API 5L, ISO 3183, DNV GL-ST-F101, EN 10217-1, EN 10217-3, EN 10217-5 PJSC Gazprom (СТО 2-4.1-713, СТО 2-3.7-050-2006 (DNV-OS-F101)), PJSC Gazprom Neft (ТТТ-01.02.04-01), PJSC Rosneft (MYK ЕТТ П4-06 М-0111), PJSC Transneft (ОТТ-23.040.00-КТН-135-15)

Structural and building pipes

Outer diameter, mm	Wall thickness, mm	Length, m	Strength class	Steel grade	Standards
508 (20") / 609.6 (24") / 711.2 (28") / 762 (30") / 812.8 (32") / 914.4 (36") / 1016 (40") / 1066.8 (42") / 1219.2 (48") / 1422.4 (56")	8 - 40	10 - 18.3	up to S590 S235JRH - S460MH	L245ME - L555ME; 245NE - L415NE; L245 - L485; X42 - X70, X42M - X80M; P195TR1(2) - P265TR1(2); P275NL1(2) O P460NL1(2); P235GH, P265GH; S235JRH, S275J0H(J2H), S355J0H(J2H, K2H); S275NH(NLH) - S460NH(NLH); S275MH(MLH) - S460MH(MLH)	GOST 10704 (GOST 10705 and GOST 10706), GOST 58064, EN 10219-1

End use

Construction

- Infrastructure
- Water supply and heating systems

End use

Energy

- Construction of oil and gas pipelines
- Production of oil and gas

Severstal Steel Towers products

Shells

Diameter, mm	Thickness, mm	Length, mm	Weight, tonnes
1,000 - 6,000	6 - 95	36,000	up to 126

Steel plate for pipes

Thickness, mm	Width, mm	Length, mm	Steel grade	Standards
up to 95	1.500 - 3.000	3.000 - 19.000	S255; S345; S355	GOST 27772-2015

Piles for oil platforms

Diameter, mm	Thickness, mm	Length, mm	Weight, tonnes
2,000 - 2,500	40 - 95	up to 36,000	up to 126

Steel plate for piles

Thickness, mm	Width, mm	Length, mm	Steel grade	Standards
up to 95	1.500 - 3.000	6.000 - 8.000	S355NLO PC D36	EN 10225:2019 GOST 52927-2015

Wind turbine towers

Diameter, mm	Thickness, mm	Length, mm	Weight, tonnes
1,000 - 6,000	10 - 95	up to 36,000	up to 126

Steel plate for wind turbine towers

Thickness, mm	Width, mm	Length, mm	Steel grade	Standards
10 - 95	1.500 - 3.000	6.000 - 8.000	S235J0; J2; JR; S355JR; J0; J2; K2; NL; ML; S420ML	EN 10225:2019

End use

Energy

- Wind power
- Oil and gas industry
- Large diameter pipes (1 - 6 m)

Long products and grinding balls

Wire rod

Steel grade	Standards	Section size
75; 70; 50; 45 ; 35; 20; St1sp/ps, St2 sp/ps, 25G2A, 40H, 60S2A, 65G, IF01, DC01, C82V, SAE 1006, SV-08G1C, all wire rope grades	GOST 1050-2013, GOST 10702-2016, GOST 535-2005, GOST 31036-95, TU 14-1-5282-94, TU 14-1-5283-94	6; 6.5; 8; 9

Round bars

Steel grade	Standards	Section size
75; 70; 50; 45 ; 35; 20; St1sp/ps, St2 sp/ps, 25G2A, 40H, 60S2A, 65G, IF01, DC01, C82V, SAE 1006, SV-08G1C	TU 14-1-5282-94, TU 14-1-5283-94, GOST 535-05, GOST 110702-2016	10 - 100
10, 20, 35, 40, 45	GOST 1050-3013, GOST 10702-2016	10 - 60
09G2S	GOST 2590-2006, GOST 19281-2014	10 - 60
S235JR	EN 10025-2-04, EN 10060-03	40 - 50

Grinding balls

ICONBALL

Diameter, mm	Standards
20, 25, 30, 35, 40, 50, 60, 80, 90, 100, hardness groups: 2, 3, 4, 5 (Iconball)	GOST 7524-2015

End use

Construction

- Production of:
 - welding electrodes and wires;
 - reinforced concrete products and frames;
 - ropes, cables, mash;
 - fences, arches, gates, arbors.
- For reinforcing and fastening elements
- Grinding balls
Grinding of:
 - ferrous and non-ferrous metal ores;
 - cement;
 - refractories

Reinforcing bars

Steel grade/ strength class	Standards	Yield strength σ_y , N/mm ²	Tensile strength, σ_t , N/mm ²	Elongation, %	
				δ_5	δ_{max}
A240S	GOST 34028-2016	240	380	25.0	-
A400S	GOST 34028-2016	390	590	16.0	5.0
A500S	GOST 34028-2016	500	600	14.0	2.5
A500SN	GOST 34028-2016	500	600	16.0	5.0
A500SNU	GOST 34028-2016	500	600	16.0	5.0
A500SE	GOST 34028-2016	500	600	16.0	5.0
A500SEU	GOST 34028-2016	500	600	16.0	5.0
A600S Armanorma	TU 14-1-5596-2020	650	740	14.0	4.5
A600S	GOST 34028-2016	600	700	12.0	2.5
A800R	GOST 34028-2016	800	1,000	8.0	2.5
35GS; 25G2S (class A-III)	GOST 5781-82	390	590	14.0	-

Diameter: 6, 8, 10, 12, 14, 16, 18, 20, 22, 25, 28, 32, 36, 40 mm

End use

Reinforcement of concrete structures

Construction of:

- nuclear power plants, hydroelectric power stations, etc.
- transport infrastructure facilities: bridges and overpasses, subways, tunnels, ports, airports
- industrial buildings and structures
- residential buildings made of monolithic and prefabricated reinforced concrete

Shaped rolled products

Angles

Type	Size	Steel grade	Standards
Equal leg	25x25x3 - 75x75x9	S235JR	EN 10025-2-04
		09G2S	GOST 19281-2014
		St3sp; St3ps	GOST 535-05
		S235JR	EN 10025-2-04
Unequal leg	63x40x5 - 100x63x8	09G2S	GOST 19281-2014
		St3sp; St3ps	GOST 535-05

Channel

Section size, mm	Wall thickness, mm	Length, mm	Steel grade	Standards
100 x 50 - 250 x 125	4 - 8	9,000 - 12,000	St3sp/ps, 09G2 (strength class 295), 10KHSND, S235JR, S355J2H	GOST 8278-83 GOST 11474-76

End use

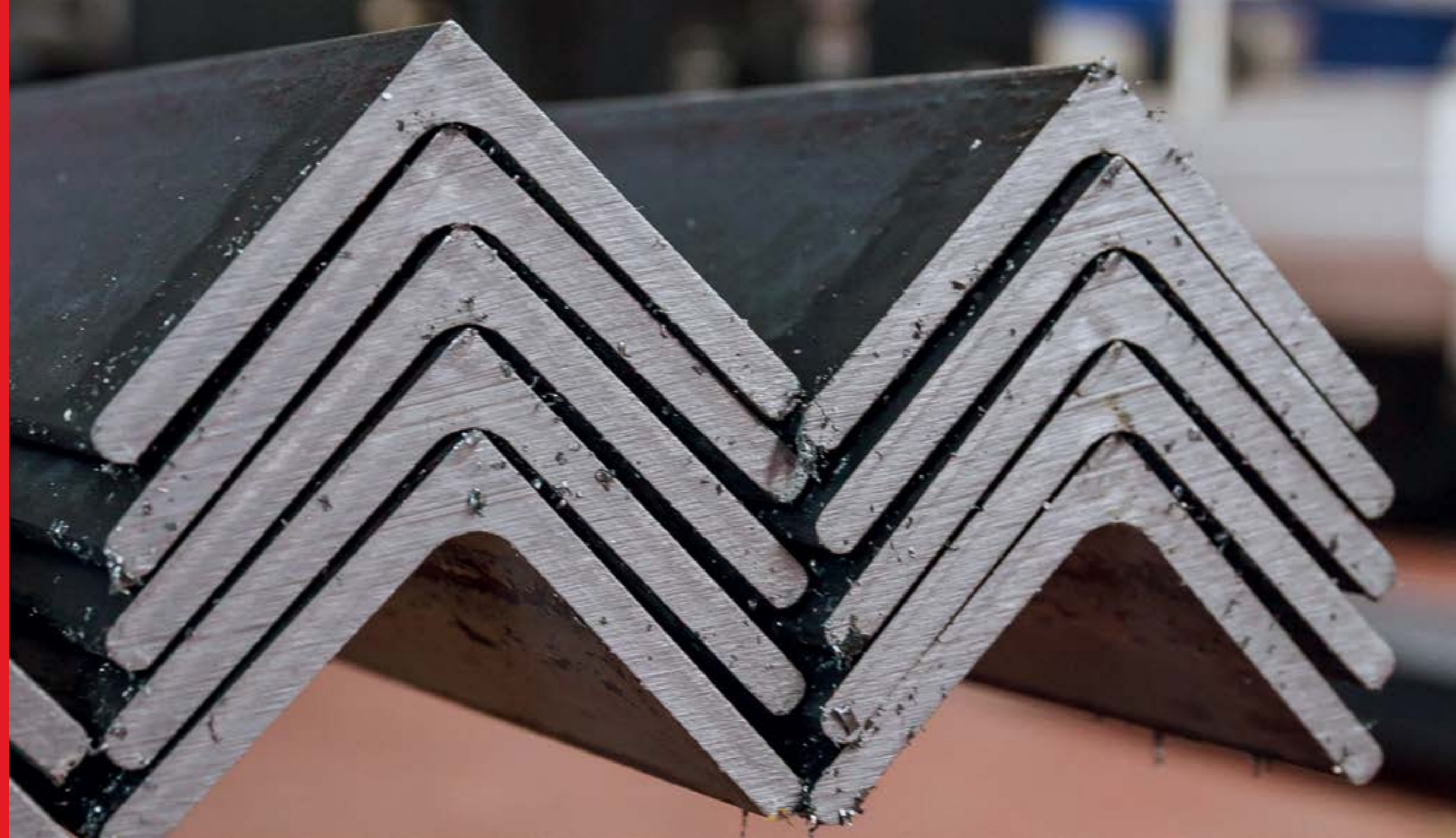
Construction

- Production: frames, trusses and beams
- Ramps

End use

Machinery

- Agricultural machinery elements
- Interior finishing of railway cars, containers
- Road construction equipment





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