



METINVEST

STEEL PRODUCTS

2022



Today, Metinvest is much more than a company that sells iron ore and steel products. A unique formula made up of various ingredients helps Metinvest to be a reliable strategic partner.

We manufacture our products in Ukraine, the EU, the UK and the US. This gives us the opportunity to take an individual approach to each customer's needs in terms of product mix, batch size and delivery time.

The bespoke solutions that we offer differentiate us as a partner who helps to develop our customers' businesses.

TOP 10

iron ore producers
in the world

44.9 MT

iron ore
concentrate
produced

7,200

customers

TOP 45

steel producers
in the world

13.4 MT

crude steel
produced

1,000+

steel products



CONTENT

PLATES

CONSTRUCTION AND GENERAL INDUSTRY	5
PRESSURE VESSELS	6
PIPELINE, OFFSHORE AND ENERGY	7
SHIPBUILDING	7

COILS & SHEETS

HOT ROLLED STEEL	9
COLD ROLLED STEEL	10
GALVANIZED ROLLED STEEL	11

WELDED TUBES AND HOLLOW SECTIONS	13
---	-----------

LONG PRODUCTS

REBAR	17
ANGLES	17
FLAT BAR	18
WIRE ROD	18

CONSTRUCTION AND GENERAL INDUSTRY

Product	Standard	Steel grade	Thickness, mm	Width, mm	Length, mm	Weight, t
Carbon structural steels	ASTM A36/A36M	A36/ A36M	4 - 150	1000 - 3150	3000-25000	35 max
Carbon steel plates for general application	ASTM A283/A283M	C, D				
High-strength low-alloy structural steels	ASTM A572/A572M	50	5 - 100			
		55	5 - 50			
		60	8 - 32			
Structural carbon steel plates of improved toughness	ASTM A573/A573M	58, 65, 70	4 - 40			
High-strength low-alloy structural steels	ASTM A588/A588M	A, B	5 - 150			
Normalized high-strength low-alloy structural steel plates	ASTM A633/A633M	A, C, D	5 - 100			
Carbon and high-strength low-alloy structural steels for bridges	ASTM A709/A709M	50 type 1, type 2	5 - 100			
		50W type A, type B	5 - 80			

Dimensions, technical requirements and weight of flat products should be agreed during the conclusion of contracts.

PLATES

PRESSURE VESSELS

Product	Standard	Steel grade	Thickness, mm	Width, mm	Length, mm	Weight, t
Pressure vessel alloy steel plates	ASME SA203/SA203M	D, E	8 - 60			
	ASTM A203/A203M					
Pressure vessel carbon steel plates	ASME SA285/SA285M	A, B, C	4 - 50			
	ASTM A285/A285M					
Pressure vessel manganese-silicon carbon steel plates	ASME SA299/SA299M	A	5 - 80	1500 - 3150	3000 - 25000	15 max
	ASTM A299/A299M					
Pressure vessel alloy steel plates	ASME SA387/SA387M	Grade 11 Cl.1, Grade 11 Cl.2, Grade 12 Cl.1, Grade 12 Cl.2	8 - 80			
	ASTM A387/A387M					
Pressure vessel carbon steel plates	ASME SA516/SA516M	55, 60, 65, 70	4 - 205	1000 - 3150	2000 - 25000	35 max
	ASTM A516/A516M					
Pressure vessel heat-treated carbon-manganese-silicon steel plates	ASME SA537/SA537M	Class 1	8 - 80			
	ASTM A537/A537M					
Pressure vessel carbon-manganese-silicon steel plates	ASME SA662/SA662M	A, B, C	5 - 50			
	ASTM A662/A662M					

Dimensions, technical requirements and weight of flat products should be agreed during the conclusion of contracts.

PIPELINE, OFFSHORE AND ENERGY

Product	Standard	Steel grade	Thickness, mm	Width, mm	Length, mm	Weight, t
Structural steel plates for offshore structures	API Specification 2H	42, 50	5 - 80			
High-strength low-alloy steel for fittings	ASTM A860	WPHY 42, WPHY 46, WPHY 52	4 - 100	1500 - 3150	3000 - 25000	15 max
		WPHY 60	8 - 60			
		WPHY 65	8 - 50			
	MSS SP75	WPHY 42, WPHY 46, WPHY 52	4 - 100			
		WPHY 60	8 - 60			
		WPHY 65	8 - 50			
Plates for welded pipes production	Technical requirements for the supply of plates ANSI/API 5L	B/L245NB, X42/L290NB, X46, X52/L360NB	4 - 100			
		X60/L415QB	8 - 60			
		X65/L450QB	8 - 50			
		X70/L485QB	8 - 50			

Dimensions, technical requirements and weight of flat products should be agreed during the conclusion of contracts.

SHIPBUILDING

Product	Standard	Steel grade	Thickness, mm	Width, mm	Length, mm	Weight, t
Shipbuilding plates	ASTM A131/A131M	A, B, D, E, AH32, DH32, EH32, FH32, AH36, DH36, EH36, FH36	4-100	1500-3150	4000-25000	15 max

Dimensions, technical requirements and weight of flat products should be agreed during the conclusion of contracts. Z test available on request (for thickness min. 25 mm).

HOT ROLLED STEEL | FERRIERA VALSIDER

Product	Standard for technical rqrmts	Standard for steel grade	Steel grade	Thickness, mm	Width, mm	Type of delivery	Delivery condition
Rolled products for welded pipes production	API 5L	API 5L PSL1	B, X42, X46, X52	3.0 - 20.0			
				3.0 - 10.0			
				3.0 - 6.0			
Carbon structural steel	ASTM A36/A36M	ASTM A36/A36M	ASTM A36/A36M	2.46 - 20.0			
Carbon steel products of structural quality for general application	ASTM A283/A283M	ASTM A283/A283M	Grade C	3.0 - 15.0			
			Grade D	3.0 - 12.0			
Steel with improved formability	ASTM A1011/A1011M	ASTM A1011/A1011M	SS Grade 30	2,46 - 5,84	1220 - 1524	Coil	AR
			SS Grade 33				
			SS Grade 36 Type 1, SS Grade 36 Type 2				
			SS Grade 40				
			SS Grade 45 Type 1				
			SS Grade 50				
			SS Grade 55				
			SS Grade 60				
HSLAS Grade 50 Class 1, HSLAS Grade 50 Class 2	5,85 - 20,0						
Steel with improved formability	ASTM A1018/A1018M	ASTM A1018/A1018M	SS Grade 30	5,85 - 20,0	1220 - 1524	Coil	AR
			SS Grade 33				
			SS Grade 36 Type 1, SS Grade 36 Type 2				
			SS Grade 40				

Dimensions and technical requirements should be agreed during the conclusion of contracts

COILS & SHEETS

HOT ROLLED STEEL | FERRIERA VALSIDER

Product	Standard for technical rqmts	Standard for steel grade	Steel grade	Thick-ness, mm	Width, mm	Type of delivery	Delivery condition
Pressure vessel carbon steel products	ASTM A285/ A285M	ASTM A285/ A285M	Grade C	3.0 - 15.0	1220 - 1524	Coil	AR
			Grade 55	3.0 - 12.0			
	ASTM A516/ A516M	ASTM A516/ A516M	Grade 60	3.0 - 8.0			
			Grade 65	4.0 - 8.0			
			Grade 70				
High-strength low-alloy structural steel	ASTM A572/ A572M	ASTM A572/ A572M	Grade 50 Type 2 Grade 55 Type 2	2.46 - 20.0	1220 - 1524	Coil	AR
Structural steels with improved atmospheric corrosion resistance	ASTM A709/ A709M	ASTM A709/ A709M	Grade 50W Type A, Grade 50W Type B	3.0 - 15.0	1220 - 1524	Coil	AR

Dimensions, steel grade, technical requirements and weight of flat products should be agreed during the conclusion of contracts. HRC inner diameter is 750±20 mm, weight is up to 25 t. Rolled products with a thickness of less than 4 mm are available in widths up to 1520 mm. Sheets (cut from coils) are available. AR - as rolled.

HOT ROLLED STEEL | ZAPORIZHSTAL JV

Product	Standard for technical rqmts	Standard for steel grade	Steel grade	Thickness, mm	Width, mm	Type of delivery	Delivery condition
Carbon structural steel	ASTM A36/ A36M	ASTM A36/ A36M	ASTM A36/ A36M	3.0-6.0	1000-1500	Coil/ Sheet	AR
Non-alloy structural steels	EN 10025-2	EN 10025-2	S235JR	1.8	1000	Coil/ Sheet	AR
				1.9	1000 - 1100		
				2.0 - 2.5	1000 - 1250		
				2.6 - 3.9	1000 - 1360		
				4.0 - 8.0	1000 - 1500		
			S275JR	2.0 - 2.4	1000		
				2.5 - 3.5	1000 - 1250		
				3.6 - 3.9	1000 - 1360		

Dimensions, steel grade, technical requirements and weight of flat products should be agreed during the conclusion of contracts. HRC inner diameter is 750±50 mm, weight is up to 16,5 t. Sheet and strip (cut from coils) are available. Available sheet's length is 2000-6000 mm. AR - as rolled.

Additional parameters of coils:

- Edges:
 - Coils: mill edges
 - Sheets: mill edges or cut edges

Coil weight: 8.0-16.5mt (10% in the weight of 4-7.99 is allowed)
 Bundle weight: 10 mt max
 Coil ID: 750 (+80/-50) mm

Other conditions allowed:

- Telescoping up to 50mm (for coils)
- Defects on the edge (torn edge, burnt edge and tears) up to 10 mm without exceeding the nominal width of the rolled steel
- Edge bend not greater than 90 degrees (for coils)
- Length of sections with incomplete width – not greater than the width ("fish tail")
- Delamination up to 3% of the lot/heat

COLD ROLLED STEEL | ZAPORIZHSTAL JV

Product	Standard for technical rqmts	Standard for steel grade	Steel grade	Thickness, mm	Width, mm	Type of delivery	Delivery condition
Cold-rolled steel products with improved formability	ASTM A1008/ A1008M	ASTM A1008/ A1008M	CS Type B	0.5	1000 - 1050	Coil/ Sheet	AR
				0.6	1000 - 1230		
				0.65 - 0.7	1000 - 1250		
				0.8 - 0.9	1000 - 1360		
				1.0 - 2.0	1000 - 1500		

Dimensions, steel grade, technical requirements and weight of flat products should be agreed during the conclusion of contracts. CRC inner diameter is 750±50 mm, 610±50 mm or 500±50 mm; weight is up to 15 t. Sheet and strip (cut from coils) are available. AR - as rolled.

GALVANIZED ROLLED STEEL | UNISTEEL

Product	Standard for technical rqmts	Standard for steel grade	Steel grade	Thickness, mm	Width, mm	Zinc coating class	Type of delivery
Hot-dip zinc-coated steel products	ASTM A653/ A653M	ASTM A653/ A653M	CS Type B, SS Grade 30	0.4 - 2.0	950 - 1250	G40, G90	Coil/ Sheet
			SS Grade 50 Class 1, SS Grade 50 Class 2	0.7 - 2.0			

Dimensions, steel grade, technical requirements and weight of flat products should be agreed during the conclusion of contracts. HDG coil's inner diameter is 600±20 mm, weight is up to 15 t. Sheet and narrow strip (cut from coils) are available. Products with other zinc coating classes are available by additional agreement.

WELDED TUBES & HOLLOW SECTIONS

Type	Standards	Steel grades	Outside Ø / dimensions, mm	Wall thickness, mm	Length, m
Square and rectangular tubes and hollow sections, dimensions comparable to inches	ASTM A500	A B C	25.4x25.4	1.6; 2.11	6.096; 7.315
			50.8x50.8	1.6; 2.11; 3.05	6.096; 7.315
			76.2x76.2	2.11; 3.05; 4.78	6.096; 7.315
			88.9x88.9	2.11; 3.05; 4.78	6.096; 7.315
			101.6x101.6	2.11; 3.05; 4.78; 6.35	6.096; 7.315; 9.144; 12.192; 14.630
			127.0x127.0	2.11; 3.05; 4.78; 6.35; 7.95	6.096; 7.315; 9.144; 12.192; 14.630
			152.4x152.4	2.11; 3.05; 4.78; 6.35; 7.95	6.096; 7.315; 9.144; 12.192; 14.630
			177.0x177.0	2.11; 3.05; 4.78; 6.35; 7.95	6.096; 7.315; 9.144; 12.192; 14.630
			203.2x203.2	2.11; 3.05; 4.78; 6.35; 7.95	6.096; 7.315; 9.144; 12.192; 14.630
			50.8x25.4	1.6; 2.11; 3.05	6.096; 7.315
			101.6x50.8	2.11; 3.05; 4.78; 6.35	6.096; 7.315; 9.144; 12.192; 14.630
			101.6x76.2	2.11; 3.05; 4.78; 6.35	6.096; 7.315; 9.144; 12.192; 14.630
			152.4x101.6	2.11; 3.05; 4.78; 6.35; 7.95	6.096; 7.315; 9.144; 12.192; 14.630
			203.2x101.6	2.11; 3.05; 4.78; 6.35; 7.95	6.096; 7.315; 9.144; 12.192; 14.630
Round steel tubes, dimensions comparable to inches	ASTM A53	A B C	21.34	2.77	6.401
			26.67	2.87	6.401
			33.4	3.38	6.401
			42.16	2.77; 3.56	6.401
			48.26	2.77; 3.68	6.401
			50.8	2.77	6.401

Dimensions and technical requirements should be agreed during the conclusion of contracts

WELDED TUBES AND HOLLOW SECTIONS

Type	Standards	Steel grades	Dimensions, mm	Wall thickness, mm	Length, m
Rectangular steel tubes and hollow sections	ASTM A500	A B C	10x20	1.0 - 2.0	6 - 10
			28x25	1.0 - 3.0	6 - 10
			30x20	1.0 - 3.0	6 - 10
			40x20	1.0 - 4.0	6 - 10
			40x25	1.2 - 4.0	6 - 10
			40x30	1.2 - 4.0	6 - 10
			50x25	1.2 - 4.0	6 - 10
			50x30	1.2 - 4.0	6 - 10
			50x40	1.2 - 5.0	6 - 10
			60x30	1.2 - 5.0	6 - 10
			60x40	1.2 - 5.0	6 - 10
			70x50	1.2 - 5.0	6 - 10
			80x40	1.2 - 6.0	6 - 10
			80x50	1.8 - 6.0	6 - 12
			80x60	1.8 - 6.0	6 - 12
			90x70	1.8 - 6.0	6 - 12
			100x40	1.8 - 6.0	6 - 12
			100x50	1.8 - 6.0	6 - 12
			100x60	1.8 - 8.0	6 - 12
			120x40	1.8 - 8.0	6 - 12
			120x60	1.8 - 8.0	6 - 12
			120x80	1.8 - 8.0	6 - 12
			140x110	2.7 - 8.0	6 - 12
			150x100	2.7 - 8.0	6 - 12
			160x80	2.7 - 8.0	6 - 12
			180x100	2.7 - 8.0	6 - 12
			180x140	3.0 - 8.0	6 - 12
			200x100	2.7 - 8.0	6 - 12
200x120	3.0 - 8.0	6 - 12			
200x160	3.8 - 8.0	6 - 12			

Dimensions and technical requirements should be agreed during the conclusion of contracts

WELDED TUBES AND HOLLOW SECTIONS

Type	Standards	Steel grades	Dimensions, mm	Wall thickness, mm	Length, m
Square steel tubes and hollow sections	ASTM A500	A B C	15x15	1.0 - 2.0	6 - 10
			20x20	1.0 - 2.7	6 - 10
			25x25	1.0 - 3.0	6 - 10
			30x30	1.0 - 4.0	6 - 10
			35x35	1.2 - 4.0	6 - 10
			40x40	1.2 - 5.0	6 - 10
			45x45	1.2 - 5.0	6 - 10
			50x50	1.2 - 5.0	6 - 10
			60x60	1.2 - 6.0	6 - 10
			70x70	1.8 - 6.0	6 - 12
			80x80	1.8 - 8.0	6 - 12
			90x90	1.8 - 8.0	6 - 12
			100x100	1.8 - 8.0	6 - 12
			120x120	2.7 - 8.0	6 - 12
			140x140	2.7 - 8.0	6 - 12
			150x150	2.7 - 8.0	6 - 12
			160x160	3.0 - 8.0	6 - 12
			180x180	3.8 - 8.0	6 - 12
200x200	5.0 - 8.0	6 - 12			

Dimensions and technical requirements should be agreed during the conclusion of contracts

REBAR

Strength class	Diameter, mm	Length, mm	Standard for technical specifications	Type of delivery	Producer
Grade 40 (280) Grade 60 (420)	9.5 12.7 15.9 19.1 22.2 25.4 28.7 32.3 35.8	6000-18000	ASTM A615/A615M	Bars	PROMET

Dimensions, steel grade and technical requirements should be agreed during the conclusion of contracts.

ANGLES

Angle width 1, mm	Angle width 2, mm	Thickness, mm	Length, mm	Standard for dimensions and shape	Steel grade	Standard for steel grade	Standard for technical specifications	Producer
25	25	3.2	6000-12000	ASTM A6/A6M	ASTM A36/A36M	ASTM A36/A36M	ASTM A6/A6M	PROMET
25	25	4						
25	25	4.8						
25	25	6.4						
32	32	3.2						
32	32	4						
32	32	4.8						
32	32	6.4						
38	38	3.2						
38	38	4						
38	38	4.8						
38	38	6.4						
44	44	4			Grade 50	ASTM A529/A529M		
44	44	4.8						
44	44	6.4						
51	51	4						
51	51	4.8						
51	51	6.4						

Dimensions, steel grade and technical requirements should be agreed during the conclusion of contracts.

FLAT BAR

Width, mm	Thickness, mm	Length, mm	Standard for dimensions and shape	Steel grade	Standard for steel grade	Standard for technical specifications	Producer
32	4.8	6000-12000	ASTM A6/A6M	ASTM A36/A36M	ASTM A36/A36M	ASTM A6/A6M	PROMET
38							
44							
51							
38	8						
44	9.5						
51	12.7						

Dimensions, steel grade and technical requirements should be agreed during the conclusion of contracts.

WIRE ROD

Product	Nominal diameter, mm	Weight, kg/m (for nominal diameter)	Standard for dimensions and shape	Steel grades	Standard for steel grade	Standard for technical requirement
Carbon steel wire rod	5,5	0,187	ASTM A510/A510M-08 ASTM A510/A510M-13 ASTM A510/A510M-18 ASTM A510/A510M-20	SAE1005, SAE1006, SAE1008, SAE1010, SAE1012, SAE1015, SAE1017, SAE1018, SAE1020, SAE1022, SAE1080	ASTM A1040-17	ASTM A510/A510M-08 ASTM A510/A510M-13 ASTM A510/A510M-18 ASTM A510/A510M-20
	6	0,222				
	6,5	0,261				
	7	0,302				
	8	0,396				
	8,5	0,445				
	9	0,499				
	10	0,617				
	11	0,746				
	11,5	0,815				
	12	0,888				
	13	1,042				
	13,5	1,124				
	14	1,208				
15	1,387					
16	1,578					

Dimensions, steel grade and technical requirements should be agreed during the conclusion of contracts.

