



# Product Portfolio

**Dneprovsk  
Metallurgical Plant**

# CONTENTS

<b>Company profile</b> .....	<b>3</b>
<b>Products for transport applications</b> .....	<b>4</b>
Crane rails .....	5
Mine rails .....	6
Subway conductor rails .....	7
Groove webless tram rails .....	7
Car building sections .....	8
<b>Products for construction applications</b> .....	<b>9</b>
Special I-beams for mine shafts reinforcement .....	10
Parallel flange channels .....	11
Inclined flange channels .....	12
Equal angles acc. to EN 10056-1:2017 .....	13
Equal angles acc. to DSTU 2251:2018 (GOST 8509-93) .....	14
<b>Products for industrial applications</b> .....	<b>15</b>
Drum mill lining sections .....	16
Pit barring sections .....	17
Hot-rolled steel sections for shares .....	17
<b>Semifinished products</b> .....	<b>18</b>
Square billets and blooms .....	19
Round billets and round bars .....	19
Motor vehicle wheel rim sections .....	20
Cold pig iron and foundry iron .....	21
<b>Certificates</b> .....	<b>22</b>



# Dneprovsk metallurgical plant

Production is a full technological cycle.

BF shop comprises two blast furnaces with the total volume of 1,733 m<sup>3</sup> (BF-2 – 700 m<sup>3</sup>, BF-3 – 1,033 m<sup>3</sup>). The design capacity of the shop is 1,795 thous. t (of steelmaking iron).

Steelmaking is represented by BOF shop. The shop has a total of three converters with the volume of 50 m<sup>3</sup> each. The design capacity of the shop is 1,230 thous. t of steel PA. The equipment enables to provide steel treatment with liquid synthetic slags, making up to 63 operations (heats) per day. The technology of production of commercial quality carbon steel, structural steel, low-alloyed and alloyed steel grades has been mastered.

Rolling production includes two shops as follows:

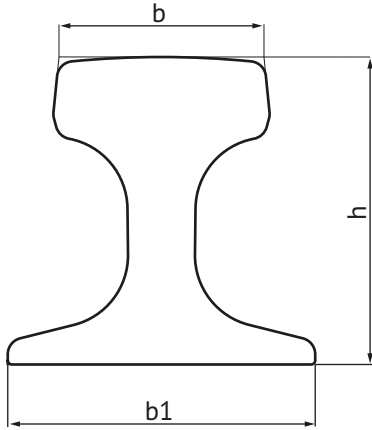
**“800” rolling mill:** operating in the same process flow with “1050” blooming mill; mill products – semifinished rounds and squares; blooms; crane, tram and mine rails; 22C I-beams; coal- and ore-pulverizing drum mill lining sections; round bars for grinding bodies; SVP mine sections; U-channels and UPE-channels acc. to European standards, etc.;

**“550” medium-section mill:** the mill gives unique products (special wheel rim sections for motor vehicles, pit barring sections, subway conductor rails). Also “550” mill produces general purpose products (no. 8П–30П parallel flange channels, U-channels and UPE-channels acc. to European standards; no. 70–125 equal angles).



**PRODUCTS  
FOR TRANSPORT  
APPLICATIONS**

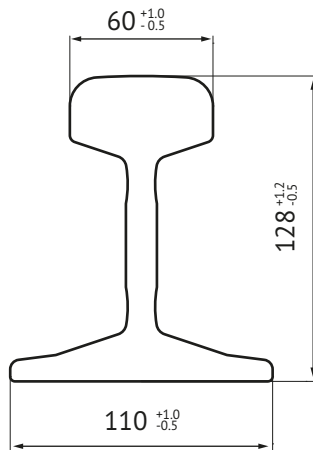
# Crane rails



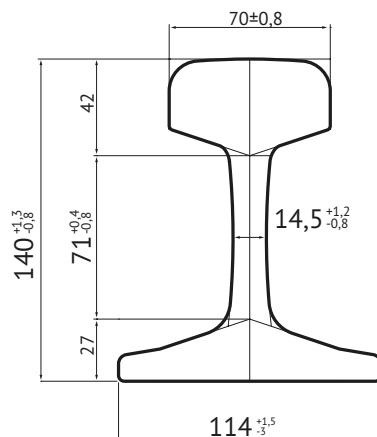
Rail type	Rail head width, b	Base width, b1	Rail height, h	Theoretical weight of 1 m of rail, kg
	Dimensions in mm			
KP70	70,0	120,0	120,0	46,10
KP80	80,0	130,0	130,0	59,81
KP100	100,0	150,0	150,0	83,09
KP120	120,0	170,0	170,0	113,47
KP140	140,0	170,0	170,0	141,70

Rail type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
KP70, KP80, KP100, KP120, KP140	DSTU 2484-94 GOST 4121-96	63	DSTU 2484-94 GOST 4121-96	Specified length 9,0-12,0 m; random length 4-12 m

## Mine rails



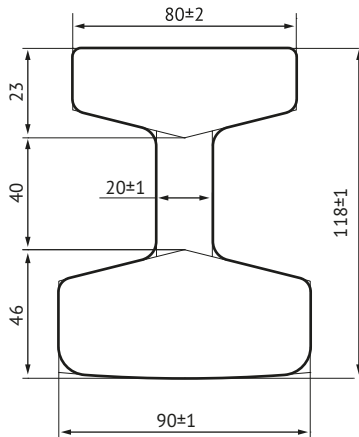
Rail type	Rail head width, b	Base width, b1	Rail height, h	Theoretical weight of 1 m of rail, kg
	Dimensions in mm			
P34	60	110	128	34,1



Rail type	Railhead width, b	Base width, b1	Web thickness	Web height	Rail height, h	Theoretical weight of 1 m of rail, kg
	Dimensions in mm					
P43	70	114	14,5	71	140	44,745

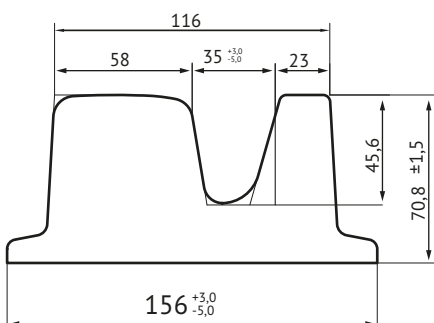
Rail type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
P34	TU U 27.1-05393056-265:2009	H50, T60, ПТ70	TU U 27.1-05393056-265:2009	Specified length 8, 10, 11 m
P43	DSTU 2539-94 GOST 30165-94	70	DSTU 2539-94 GOST 30165-94	Specified length 12.5, 12.52 m

## Subway conductor rails



Rail type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
PK	TU U 27.1-19305558-003:2009	M	TU U 27.1-19305558-003:2009	Specified length 6 and 12.5 m

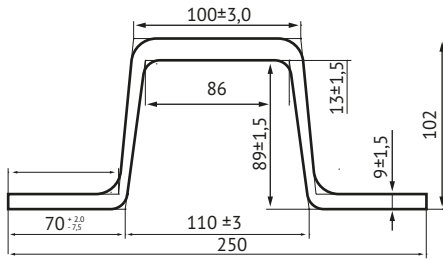
## Groove webless tram rails



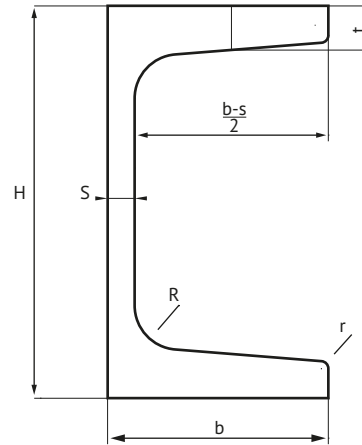
Rail type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
PTXБ-58	TU U 27.1-05393056-257:2004	K75, K63Φ	TU U 27.1-05393056-257:2004	Specified length 10.0-11.5 m; random length 4-11.5 m



## Car building sections



Car post



8B channel

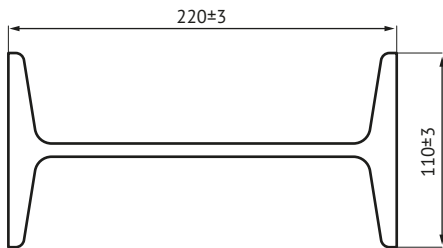
Profile type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
8B channel	DSTU 7551:2014 GOST 5267.1-90	09Г2С, 09Г2Д	DSTU 8541:2015 GOST 19281-2014	Specified length up to 12 m; random length
Car post	DSTU 7551:2014 GOST 5267.1-90			





**PRODUCTS  
FOR CONSTRUCTION  
APPLICATIONS**

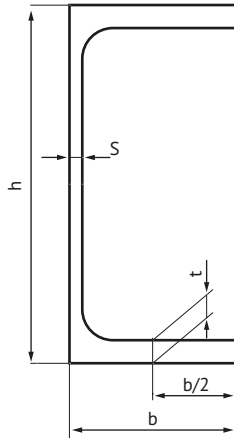
# Special I-beams for mine shafts reinforcement



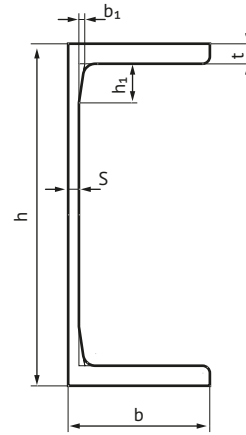
Profile type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
22C	DSTU 8807:2018	Ст3пс/сн, 09Г2С	DSTU 2651:2005 GOST 380-2005 DSTU 8541:2015	Specified length 2-12 m



## Parallel flange channels



UPE-channel

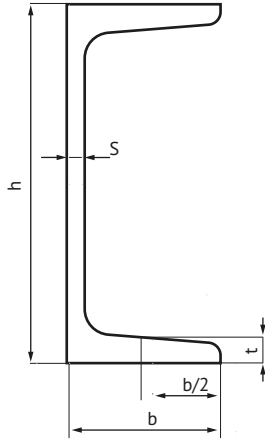


U-channel

Profile type	h	b	s	t	h1	b1	R	r	Weight of 1 m, kg
	Dimensions, mm								
8П	80	40	4,2	7,4	14	2,0	4	2,5	7,034
10П	100	46	4,3	7,6	14	2,0	4	3,0	8,580
12П	120	52	4,3	7,9	14	2,0	5	3,0	10,216
14П	140	58	4,4	8,2	16	2,4	5	3,0	12,066
16П	160	64	4,4	8,5	16	2,4	6	3,5	13,825
18П	180	70	4,5	9,2	16	2,4	6	3,5	16,164
20П	200	76	4,6	9,6	18	2,6	7	4,0	18,414
22П	220	82	4,6	10,0	18	2,6	7	4,0	20,527
24П	240	90	4,8	10,6	20	2,6	7	4,0	23,698
27П	270	95	5,9	10,6	20	2,6	8	5,0	27,810
30П	300	100	6,3	11,4	20	2,6	8	5,0	32,09

Profile type	Height, h	Flange width, b	Inner radius, r1	Wall thickness, s	Flange thickness, t	Weight of 1 m, kg
	Dimensions, mm					
UPE 80	80	50	10	4	7	7,90
UPE 100	100	55	10	4,5	7,5	9,82
UPE 120	120	60	12	5	8	12,1
UPE 140	140	65	12	5	9	14,5
UPE 160	160	70	12	5,5	9,5	17,0
UPE 180	180	75	12	5,5	10,5	19,7
UPE 200	200	80	13	6	11	22,8
UPE 220	220	85	13	6,5	12	26,6
UPE 240	240	90	15	7	12,5	30,2
UPE 270	270	95	15	7,5	13,5	35,2
UPE 300	300	100	15	9,5	15	44,4

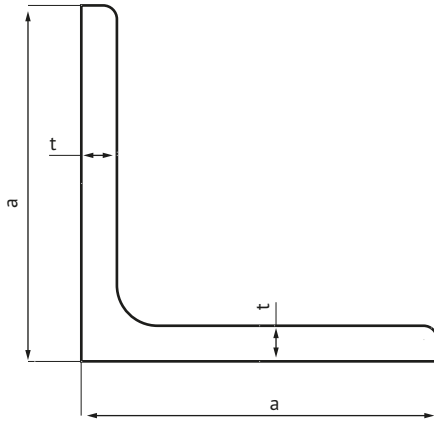
# Inclined flange channels



Profile type	Height, h	Flange width, b	Wall thickness, s	Flange thickness, t	Inner radius, r1	Edge radius, r2	Weight of 1 m, kg
U 80	80	45	6,0	8,0	8,0	4,0	8,64
U 100	100	50	6,0	8,5	8,5	4,5	10,6
U 120	120	55	7,0	9,0	9,0	4,5	13,4
U 140	140	60	7,0	10,0	10,0	5,0	16,0
U 160	160	65	7,5	10,5	10,5	5,5	18,8
U 180	180	70	8,0	11,0	11,0	5,5	22,0
U 200	200	75	8,5	11,5	11,5	6,0	25,3
U 220	220	80	9,0	12,5	12,5	6,5	29,4
U 240	240	85	9,5	13,0	13,0	6,5	33,2
U 260	260	90	10	14,0	14,0	7,0	37,9
U 280	280	95	10	15,0	15,0	7,5	41,8
U 300	300	100	10,0	16,0	16,0	8,0	46,2

Profile type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
8П-30П	TU U 24.1-05393056-003:2020	Cr3nc/cn, 09Г2С	DSTU 2651:2005 GOST 380-2005 DSTU 8541:2015	Specified length 6, 9, 12 m
UPE 80-300 U 80-300	DIN 1026-2:2002 EN 10279:2000 DIN 1026-1:2009 EN 10279:2000	S235, S275, S355	EN 10025-2:2019	Specified length 6, 9, 12 m

## Equal angles acc. to EN 10056-1:2017



Angles	Leg width, a	Leg thickness, t	Transition radius	Edge radius	Weight of 1 m, kg
	Dimensions, mm				
75x75x6	75	6	9	4,5	6,85
75x75x8	75	8	9	4,5	8,99
80x80x8	80	8	10	5,0	9,63
80x80x10	80	10	10	5,0	11,9
90x90x7	90	7	11	5,5	9,61
90x90x8	90	8	11	5,5	10,9
90x90x9	90	9	11	5,5	12,2
90x90x10	90	10	11	5,5	13,4
100x100x8	100	8	12	6,0	12,2
100x100x10	100	10	12	6,0	15,0
100x100x12	100	12	12	6,0	17,8

# Equal angles acc. to DSTU 2251:2018 (GOST 8509-93)

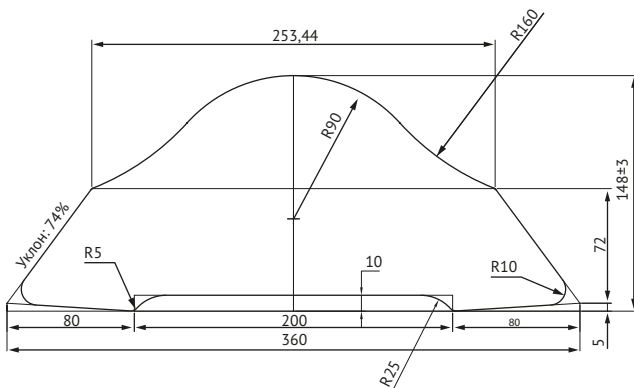
Angles	Leg width, a	Leg thickness, t	Transition radius	Edge radius	Weight of 1 m, kg
	Dimensions, mm				
75x75x5	75	5	9	3,0	5,80
75x75x6	75	6	9	3,0	6,89
75x75x7	75	7	9	3,0	7,96
75x75x8	75	8	9	3,0	9,02
75x75x9	75	9	9	3,0	10,07
80x80x5,5	80	5,5	9	3,0	6,78
80x80x6	80	6	9	3,0	7,36
80x80x7	80	7	9	3,0	8,51
80x80x8	80	8	9	3,0	9,65
90x90x6	90	6	10	3,3	8,33
90x90x7	90	7	10	3,3	9,64
90x90x8	90	8	10	3,3	10,93
90x90x9	90	9	10	3,3	12,20
100x100x6,5	100	6,5	12	4,0	10,06
100x100x7	100	7	12	4,0	10,79
100x100x8	100	8	12	4,0	12,25
100x100x10	100	10	12	4,0	15,10
100x100x12	100	12	12	4,0	17,90
125x125x8	125	8	14	4,6	15,46
125x125x10	125	10	14	4,6	19,10
125x125x12	125	12	14	4,6	22,68

Profile type	Нормативный документ на технические требования	Марка стали	Нормативный документ на химический состав	Длина проката
EN	EN 10056-1:2017 EN 10056-2:1993	S235, S275, S355	EN 10025-2:2019	Specified length 6, 9, 12 м
DSTU	DSTU 2251:2018	Ст3пс/сп, 09Г2С	DSTU 2651:2005 GOST 380-2005 DSTU 8541:2015	Specified length 6, 9, 12 м

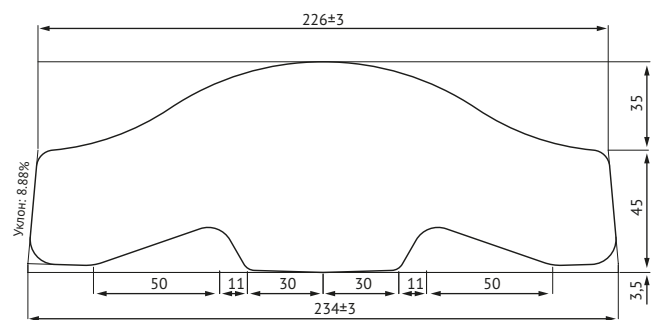


**PRODUCTS  
FOR INDUSTRIAL  
APPLICATIONS**

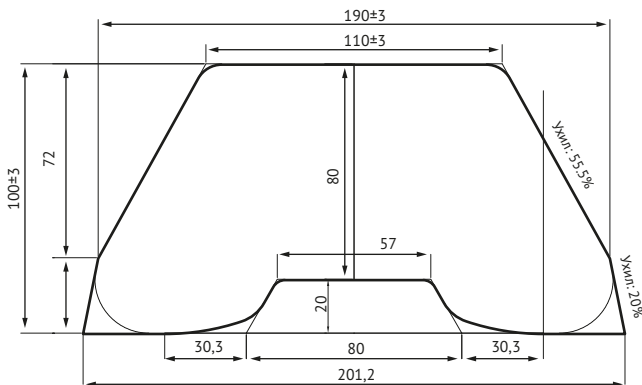
# Drum mill lining sections



Ore-pulverizing mill lining section



Coal-pulverizing mill lining section



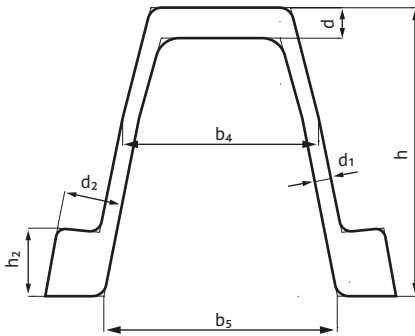
Ore-pulverizing mill wedge section

Profile type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
Ore-pulverizing mill lining	TU U 24.1-31632138-1398:2012	75Г2, 75Г2ФЮ	TU U 24.1-31632138-1398:2012	Specified length 1-11.5 m; multiple length
Coal-pulverizing mill lining	TU U 24.1-31632138-1398:2012	75Г2, 75Г2ФЮ	TU U 24.1-31632138-1398:2012	Specified length 1-11.5 m; multiple length
Ore-pulverizing mill wedge	TU U 24.1-31632138-1398:2012	75Г2, 75Г2ФЮ	TU U 24.1-31632138-1398:2012	Specified length 1-11.5 m; multiple length





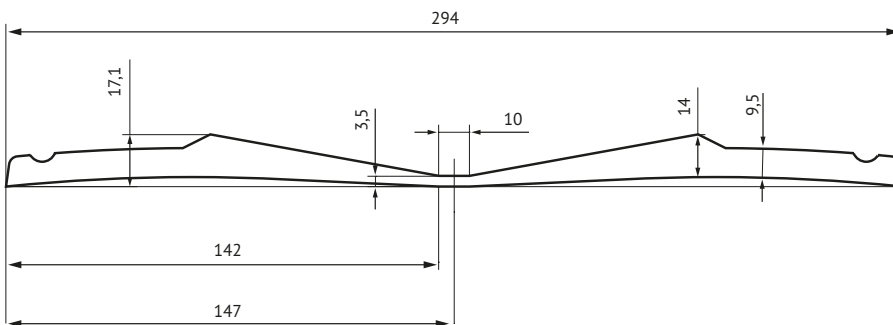
## Pit barring sections



Profile type	h	b <sub>4</sub>	d	d <sub>1</sub>	h <sub>2</sub>	d <sub>2</sub>	b <sub>5</sub>	Theoretical weight of 1 m, kg
	Dimensions in mm							
СВП-17	94	84,6	8,5	5,7	23	19,7	91,5	17,1
СВП-22	110	83,5	11,0	6,2	25,5	22,5	99,5	21,9
СВП-27	123	83,5	13,0	7,1	29,0	25,0	99,5	27,0
СВП-33	137	91,5	14,5	7,9	32,0	27,5	110,0	33,39

Profile type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
СВП-17	TU U 24.1-05393056-005:2021	Ст5nc/cп	DSTU 2651:2005 GOST 380-2005	Specified length 9-12 m; random length
СВП-22, СВП-27, СВП-33	TU U 24.1-05393056-287:2017	Ст5nc/cп	DSTU 2651:2005 GOST 380-2005	Specified length 9-12 m; random length

## Hot-rolled steel sections for shares

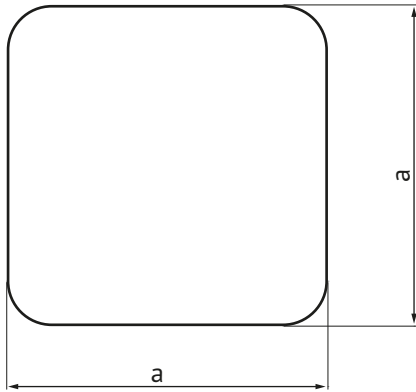


Profile type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
142Cд	ТТ 05393056-2021	Л53	ТТ 05393056-2021	Multiple specified length



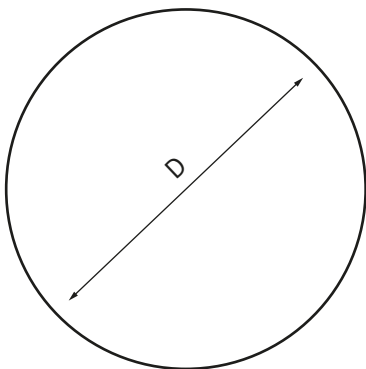
**SEMIFINISHED PRODUCTS**

## Square billets and blooms



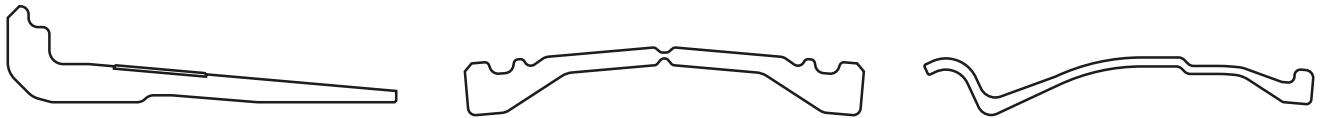
Square side a, mm	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
Square 100, 120, 125, 130, 150, 170	TU U 24.1-05393056-276:2014	Cr3nc/cn, Cr4nc/cn, Cr5nc/cn, etc. upon customer's request	DSTU 2651:2005 GOST 380-2005	Specified length up to 12 m; random length
Bloom 100, 110, 120, 125, 130, 140, 150, 170, 195, 210	TU U 27.1-05393056-258:2005	Cr3nc/cn, 09Г2С, 45, etc. upon customer's request	DSTU 2651:2005 GOST 380-2005 DSTU 8541:2015 GOST 19281-2014 DSTU 7809:2015	Specified length 1 to 6 m

## Round billets and round bars



Diameter D, mm	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
Round billet 100, 120, 130, 150	GSTU 3-009-2000	20, 35, 45, St37.3	DSTU 7809:2015 GSTU 3-009-2000	Specified length 2.0–9.6 m; specified multiple length;
Round bar 90, 100, 120	TU U 24.1-05393056-008:2021	63, 65Г, 70Г, ПТ70cn	TU U 24.1-05393056-008:2021 DSTU 2484-94 GOST 4121-96	Specified length 2.0–9.6 m; specified multiple length; random length

# Motor vehicle wheel rim sections



Profile type	Normative document for technical requirements	Steel grade	Normative document for chemical composition	Product length
Rim Pr.310-022	ТУ У 24.1-05393056-288:2020	10кп, 15кп	ДСТУ 7809:2015	Multiple specified length, random length
Rim Pr.310-023	ТУ У 24.1-05393056-288:2020	10кп, 15кп	ДСТУ 7809:2015	
Rim 7.0-20-05	ТУ У 24.1-05393056-288:2020	10кп, 15кп	ДСТУ 7809:2015	
Rim 7.5-20-03	ТУ У 24.1-05393056-288:2020	10кп, 15кп	ДСТУ 7809:2015	
Rim 6,0Б-20	ТУ У 24.1-05393056-288:2020	10кп, 15кп	ДСТУ 7809:2015	
Rim 8,5-20-04	ТУ У 24.1-05393056-288:2020	10кп, 15кп	ДСТУ 7809:2015	
Rim 228Г-020-01	ТУ У 24.1-05393056-288:2020	10кп, 15кп	ДСТУ 7809:2015	
Rim 254-020-10	ТУ У 24.1-05393056-288:2020	10кп, 15кп	ДСТУ 7809:2015	
Rim Pr.7555-035	ТУ У 24.1-05393056-004:2021	15кп, 20	ДСТУ 7809:2015	
Rim Pr.755-022	ТУ У 24.1-05393056-004:2021	15кп, 20	ДСТУ 7809:2015	
Rim Pr.755-023	ТУ У 24.1-05393056-004:2021	15кп, 20	ДСТУ 7809:2015	
Rim 15.00-023-01	ТУ У 24.1-05393056-004:2021	15кп, 20	ДСТУ 7809:2015	



## Cold pig iron and foundry iron

Iron grade	Normative document for technical requirements	Pig weight, kg, max.
П1	DSTU 3133-95 (GOST 805-95)	18
П2	DSTU 3133-95 (GOST 805-95)	25
ПЛ1	DSTU 3133-95 (GOST 805-95)	18
ПЛ2	DSTU 3133-95 (GOST 805-95)	18
Л1	DSTU 3132-95 (GOST 4832-95)	18
Л2	DSTU 3132-95 (GOST 4832-95)	18
Л3	DSTU 3132-95 (GOST 4832-95)	25
Л4	DSTU 3132-95 (GOST 4832-95)	18
Л5	DSTU 3132-95 (GOST 4832-95)	18
Л6	DSTU 3132-95 (GOST 4832-95)	18



BUREAU VERITAS

Bureau Veritas Certification

### PRIVATE JOINT-STOCK COMPANY “DNEPROVSK METALLURGICAL PLANT”

3, Mayakovsky Str., Dnipro, 49064, Ukraine

*Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below*

## ISO 14001:2015

*Scope of certification*

**Design, production and realization of structural products and shape steel-rolled stocks, periodic and special profiles, billets and rails of rolling workshops No.1 and No.2.**

Original cycle start date:	<b>31 August 2020</b>
Expiry date of previous cycle:	<b>NA</b>
Certification / Recertification Audit date:	<b>NA</b>
Certification / Recertification cycle start date:	<b>29 August 2023</b>

Subject to the continued satisfactory operation of the organisation’s Management System, this certificate expires on: **30 August 2026**

**Certificate No. UA231060      Version: 1      Issue date: 29 August 2023**

**Olena Svyrydenko**  
*Signed on behalf of BVCH SAS UK Branch*



0008

*Certification body address: 5<sup>th</sup> Floor, 66 Prescott Street, London E1 8HG, United Kingdom  
Local office: 5<sup>th</sup> floor, 28, Simon Petlyura St., Kyiv, 01032, UKRAINE*

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: **+380 44 354 16 00**





BUREAU VERITAS

Bureau Veritas Certification

### PRIVATE JOINT-STOCK COMPANY “DNEPROVSK METALLURGICAL PLANT”

3, Mayakovsky Str., Dnipro, 49064, Ukraine

*Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below*

## ISO 9001:2015


*Scope of certification*

**Design, production and realization of structural products and shape steel-rolled stocks, periodic and special profiles, billets and rails of rolling workshops No.1 and No.2.**

Original cycle start date:	<b>08 September 2020</b>
Expiry date of previous cycle:	<b>NA</b>
Certification / Recertification Audit date:	<b>NA</b>
Certification / Recertification cycle start date:	<b>06 September 2023</b>

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: **07 September 2026**

**Certificate No. UA231067      Version: 1      Issue date: 06 September 2023**



\_\_\_\_\_  
**Olena Svyrydenko**  
 Signed on behalf of BVCH SAS UK Branch



*Certification body address: 5<sup>th</sup> Floor, 66 Prescot Street, London E1 8HG, United Kingdom  
Local office: 5<sup>th</sup> floor, 28, Simon Petlyura St., Kyiv, 01032, UKRAINE*

*Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +380 44 354 16 00*



ZERTIFIKAT ♦ CERTIFICATE ♦ 認證證書 ♦ CERTIFICADO ♦ CERTIFICAT

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## CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

Registration number 1017 – CPR – 01.472.069/10/02/07/0, Revision No. 3

In compliance with Regulation (EU) No 305/2011 of the European Parliament and Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC, and in compliance with Commission Delegated Regulation (EU) No 568/2014, this certificate is issued for the construction product:

**Hot rolled products of structural steels**

**– profile U, UPE and L**

produced by:

**PRIVATE JOINT STOCK COMPANY  
„DNEPROVSK METALLURGICAL PLANT“**

**DCH**

3, Mayakovsky Str., 49064 Dnipro, Ukraine  
Company Registration No.: 05393056

and produced in the manufacturing plant:  
3, Mayakovsky Str., 49064 Dnipro, Ukraine

This certificate attests that all provisions concerning the assessment and verification of constancy of performance in the context of the system 2+ in the sense of Annex V. 1.3 of CPR and described in Annex ZA of the standard were asserted

**EN 10025-1:2004**

and certifies that

**the factory production control system fulfils all  
the designated requirements**

This certificate was first issued on 08.04.2010 as a certificate according to the CPD and remains valid, as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and/or the manufacturing conditions and technological procedures in the plant are not modified significantly.

This certificate is a revision No. 3 of the certificate No. 1017 – CPD – 01.472.069/10/02/07/0, issued 08.04.2010.

Prague, 09.07.2018



*Pavla Nerandžicová*

on behalf of Notified Body 1017  
Pavla Nerandžicová  
Head of Certification Department

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