



# SEMI-FINISHED PRODUCTS



ICE "Techenergopm" LLC



Dolphin Steel Ltd.



"Techenergoprom – Georgia" LLC



"Techenergoprom-R" LLC



## **“TECHENERGOPROM” GROUP**

offers cast iron, square and tubular billets for further processing..

Flexible conditions for cooperation and the presence of representative offices in the near and far abroad allow us to carry out the most comfortable, efficient and cost-effective transactions for our regular customers.

For the convenience of calculations and customs clearance of products, the Tehenergoprom group of companies has sales offices:

- ICE “”TECHENERGOPROM LLC, Ukraine
- Dolphin Steel LTD, UK
- Tehenergoprom-R LLC, Russia
- Tehenergoprom-Georgia LLC, Georgia

This allows us to carry out foreign economic activity in the near and far abroad countries with maximum comfort for our clients.



**PIG IRON** is an alloy of iron with carbon (and other elements). The carbon content in cast iron is not less than 2.14%. Cast iron is intended for the production of steel and various types of casting.

**SQUARE BILLET** - products manufactured by rolling or continuous casting, intended for further production of section and shaped steel.

**TUBE BILLET** - Products obtained by rolling, continuous casting, or forging, intended for the further production of various types of pipes.

**In the TEHENERGOPROM GROUP** you can purchase manganese ore of various degrees of concentration and manganese concentrate. The main ones are presented in our presentation.



# PIG IRON GOST 805-95 (DSTU 3133-95)

Pig Iron Grade	Si		Mn, groups				P, at most			S, at most				
			1	2	3	4	Class			Categories				
	From	To	To	To	To	To	A	Б	B	1	2	3	4	5
<b>P1</b>	0,5	0,9	0,5	1,0	1,5	-	0,10	0,20	0,30	0,01	0,02	0,03	0,04	0,05
<b>P2</b>	-	0,5												
<b>PL1</b>	0,9	1,2	0,3	0,5	0,9	0,9	0,08	0,12						
<b>PL2</b>	0,5	0,9												





## CAST IRON GOST 4832-95 (DSTU 3133-95)

Cast Iron Grade	Si		Mn, groups				P, at most						S at most				
			1	2	3	4	Class			Г		Д		Categories			
	From	To	To	To	To	To	A	Б	В	From	To	From	To	1	2	3	4
<b>L1</b>	3,2	3,6	0,3	0,5	0,9	1,5	0,08	0,12	0,30	0,3	0,7	0,7	1,2	0,02	0,03	0,04	-
<b>L2</b>	2,8	3,2															-
<b>L3</b>	2,4	2,8															-
<b>L4</b>	2,0	2,4															-
<b>L5</b>	1,6	2,0															0,05
<b>L6</b>	1,2	1,6															0,05



# SQUARE BILLET

Sizes, mm	Regulatory Document on Technical Requirements	Steel Grade	Mill length, m
100x100	TU U 14-2-1230-99 TU U 14-2-1221-98 TU U 14-2-1222-98	GOST 380-2005 (DSTU 2651-94): Ст3пс, Ст3сп, Ст3Гпс, Ст3Гсп, Ст5пс, Ст5сп, Ст5Гпс GOST 19281-89: 09Г2С, GOST 1050-88: 10, 20, 35, 40, 45, 50, 55, 60 ASTM A510M: SAE 1006, SAE 1008, SAE 1010, SAE 1012, ASTMA615M Gr40, Gr60 Other steel grades by agreement with the Customer	2,2 to 12,0
120x120			2,2 to 12,0
125x125			2,2 to 12,0
130x130			2,2 to 12,0
150x150			2,2 to 10,0
160x160			5,0 to 7,0
170x170			2,2 to 6,0
200x200			5,0 to 7,0
250x250			5,0 to 7,0



# TUBE BILLET

Sizes D, mm	Regulatory Document for Technical Requirements	Steel Grade	Length of rolled products, m
120	<b>DSTU 3-009-2000, OCT 14-21-77, (when the products are shipped for export)</b>	<b>DSTU 3-009-2000: Д, Дтр, Е, А, А25, В, С, Х42, Х46, Х52, Х56, J55, H40, K55, St37.0-4, St44.0-4, St52.0-4, S235JRH, S275JOH, S275J2H, S355JOH, S355J2H, GOST 380-2005: Ст3пс, Ст3сп, Ст5пс, Ст5сп, GOST 1050-88: 10, 20, 35, 45, GOST 19281-89: 09Г2С, 17Г1С, 18Г2, 32Г2С, 35Г2Ф, 36Г2С, 37Г2С Other steel grades by agreement with the Customer</b>	<b>2,2 to 12,0</b>
130			
140			
150			
160			
170			
180			
190			
200			
210			
220			
230			
240			
250			
260			
270			
280			
290			
300			



We hope that in our person your company will find a new reliable supplier of the products you need in our person and the cooperation of our enterprises will be fruitful, long-term and mutually beneficial.





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