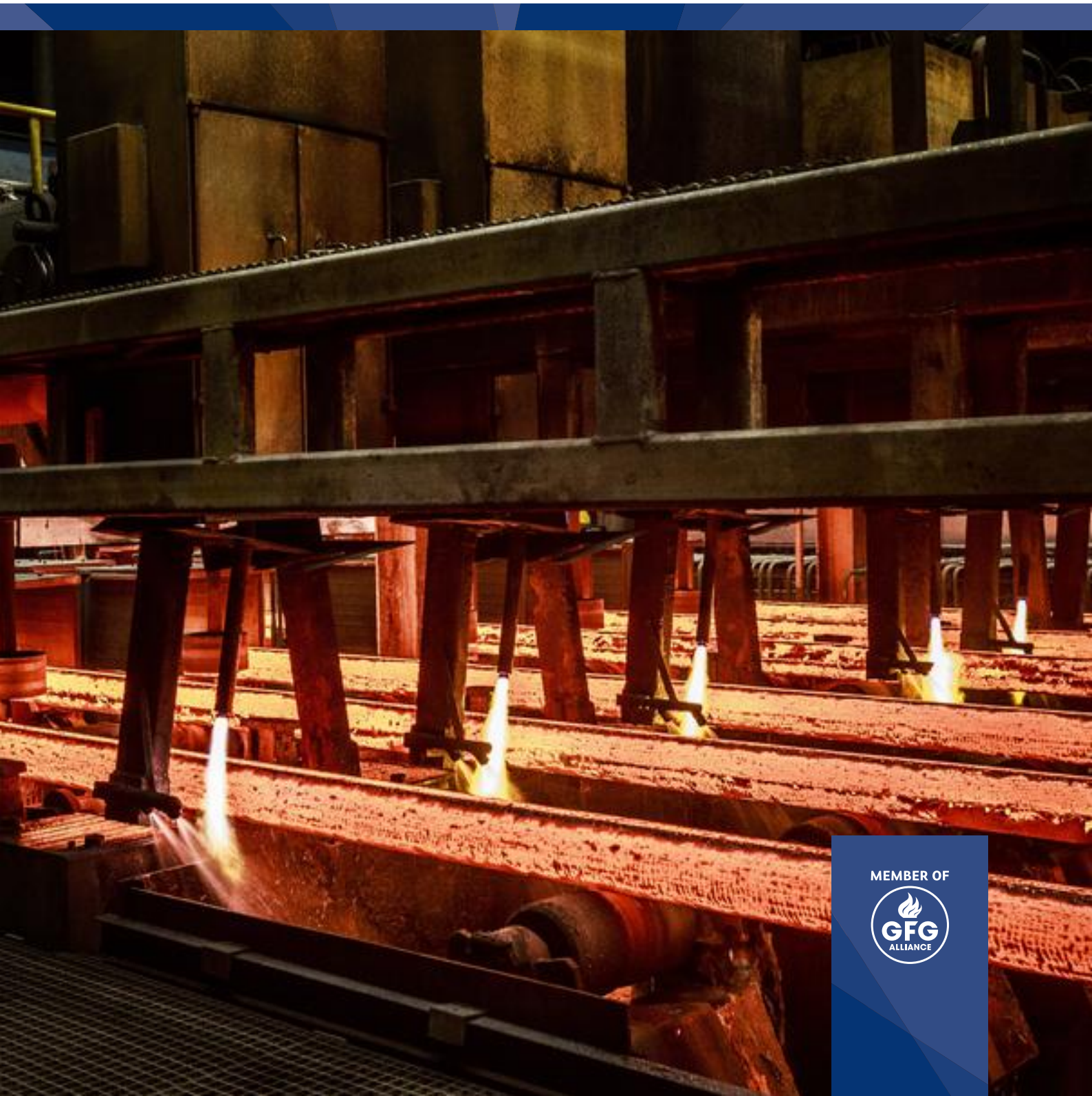


Continuous Cast Round Billets



LIBERTY Ostrava
www.libertysteelgroup.com



MEMBER OF



LIBERTY Ostrava is an integrated steel business with an annual production capacity of approximately 3.6 million tonnes serving construction, machinery and oil & gas industries.

The company is a domestic leader in the manufacture of road barriers and tubes. In addition to the Czech market, it supplies its products to more than 40 countries around the world. Together with its subsidiaries in Ostrava, the company has 6,000 employees. The company manufactures its products with a minimum possible environmental footprint.

It is part of GFG Alliance, a collection of global businesses and investments owned by Sanjeev Gupta and his family. The Alliance is structured into three core industrial pillars: LIBERTY Steel Group, ALVANCE Aluminium Group and SIMEC Energy Group. Headquartered in London, GFG Alliance employs 35,000 people, across 10 countries and has revenues of USD \$20bn.

Liberty Ostrava Facilities

- 3 coke oven batteries
- 5 sinter belts
- 3 blast furnaces (2 operational)
- 4 tandem furnaces
- 3 continuous casting machines
- 6 rolling mills (incl. hot-strip mill, big and small Stiefel pipe mills, wire rod mill, heavy section mill, fine & medium section mill)
- Mine support and road barrier lines

Main Products

Hot rolled coils, sheets and strips, road barriers, merchant bars and sections, wire rods, tubular steels, mine supports, engineering products, transformer cores, threaded bars, rebars, hot rolled spring steel flat bars

Key Markets

Construction, machinery and automotive

Certification

- ISO 9001
- ISO 14001
- OHSAS 18001
- ISO 50001



Semi-finished Products

Square billets (mm): 115; 130; 160; 180 Lengths (m): 4-12

Round billets (mm): 130; 160; 200; 270; 350; 400 Lengths (m): 8.8 - 12

Tubular grades, Construction grades, Concrete grades, Forging grades, Railway grades,
Leaf spring steel, Weathering steel, Further low alloyed, micro alloyed and alloyed grades

General Round Continuous Cast Billets Specifications

Dimension Ø	TDC	Tolerances (diameter)	Standard Lengths (mm)	Other Possible Lengths (mm)
130 mm	KN 42 0299:2015	+3,0 / -7,0 mm	From 8.000 to 11.900	-
160 mm	KN 42 0298:2016	Maximal allowable deviation from nominal dimension is ±1,4 %	From 8.800 to 11.900	-
200 mm				-
270 mm				-
350 mm				From 4.000 to 8.800
400 mm				From 4.000 to 8.800

Length tolerance -0/+100 mm

In case of ordering the exact lengths, it is permissible to supply in shorter pieces as follows:

- up to 600 tons max. 10% of the order
- above 600 tons max. 5% of the order

Heat Size

Without Vacuum Degassing	Single Heat 185 t	Heat in Sequence 195 t
With Vacuum Degassing*	Single Heat 155 t	Heat in Sequence 170 t

*Vacuum degassing possible only on casting formats from CCM No. 1 - D 160, D 200, D 270, D 350 and D 400 round mm

Indentification and Marking

Billets are identified with unique numeric identification code by hard stamping on one billet head.
Color marking (water resistant paint) of steel grade, bar code / QR code (only possible for Ø 270; 350 and 400) and other could be performed upon agreement.

Certificates

EN ISO 9001:2015, EN ISO 14001:2015, EN ISO 50001:2011 and BS OHSAS 18001:2007.

Products meet also other demanding customer's requirements and the effective legislation.

This fact confirms wide range of product certificates, such as:

- Approval of Manufacturer Certificate DNV GL,
- Approval for Material Manufacturer acc. to PED 2014/68/EU, annex I, pt. 4.3 and AD 2000-Merkblatt W0 / AD2000-Guidelines W0.
- Approval of Manufacturer Deutsche Bahn AG

Types of Inspection Document

According to EN 10204:2004.

Additional Testing Options

- Chemical analysis – OES spectrometer OBLF 750, method - OES: SOP-L/S/ 4 (ASTM E 415-17)
- Jominy test – calculation acc. SEP 1664, ASTM A 255
- Micro-cleanliness acc. to ASTM E45, DIN 50602 and ISO 4967



Contact with the mill:

Czech Republic and Other Countries

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