



PART OF BIRN GROUP

TASSOBAR EN-GJS-800-2C

(According to EN 16482:2014, subsequently EN 1563:2018 and ISO 1083)

Characteristics

This grade offers high wear resistance, strength and heat treatment response. It has reasonable machinability and excellent surface finish. Noise and vibration damping are good in this grade.

Profile and size range	
Round	Diameter 60 – 140 mm
Square	40 x 40 mm – 300 x 300 mm
Rectangle	Upon request
Non-standard	Other sizes/profiles are available or can be produced according to agreement

Identification

TassoBar EN-GJS-800-2C is marked with a yellow and two black dots on the terminal surfaces.



Chemistry (main elements)

The chemical composition is subordinate to the mechanical properties and may vary depending on bar size and production flow parameters.

Elements
Iron
Carbon
Silicon
Manganese
Phosphorous
Sulphur
Others/Alloying

Mechanical Properties: (As taken from mid-radius of cast bar, not separately cast test bar).

Material Specification	Material Section	0.2 % Proof Strength N/mm ² min.	Tensile Strength N/mm ² min.	Elongation % min.
TassoBar GJS-800-2C	>20 mm - 60 mm	480	800	2
	*>60 mm - 120 mm	*400	*700	*2
	*>120 mm - 400 mm	*380	*650	*1

Reference: EN 16482:2014, Table 2

*Unless otherwise agreed in writing between purchaser and producer.

Brinell Hardness Range (Informative): 270-330 HB measured as an average of the center and the rim area of the bar (10 mm diameter ball).

Microstructure (Informative): Nodular graphite. The matrix structure is approx. 80% or more pearlitic and may contain minor quantities of free carbides.

Heat Treat Response: TassoBar GJS-800-2C can be hardened.

Density: 7.25 g/cc + 3% for oversize and gross length of bar.

Issue 5, 13.04.2023 (check online to validate version)