



PART OF BIRN GROUP

TASSOBAR EN-GJS-600-3C

(According to EN 16482:2024)

Characteristics

This grade offers reasonable machinability and excellent surface finish. It has high wear resistance, strength and heat treatment response.

Profile and size range	
Round	Diameter 41 – 440 mm
Square	40 x 40 mm – 280 x 280 mm
Rectangle	Upon request
Non-standard	Other sizes/profiles are available or can be produced according to agreement

Identification

Each TASSO-Bar is labelled with detailed information for full traceability:
Batch Number – Colour Code - Dimension – Material Grade.

T-011-24
Ø 110+
EN-GJS-600-3C



Chemistry (main elements)

The chemical composition is subordinate to the mechanical properties and at the discretion of Tasso.

Elements	Typical %
Iron	Balance
Carbon	3.20-3.80
Silicon	2.20-2.80
Manganese	0.25-0.55
Phosphorous	0.04 (guidance)
Sulphur	0.01 (guidance)
Others/Alloying	Residual

Mechanical Properties: (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 EN-GJS-600-3C	>20 mm - 60 mm	380	600	3
	>60 mm - 120 mm	360	600	3
	>120 mm - 400 mm	340	550	3

Reference: EN 16482:2024, Table 2

Brinell Hardness Range (Informative): 180-250 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 is approx. 60% or more pearlitic and may contain minor quantities of free carbides.

Heat Treat Response: TassoBar EN-GJS-600-3C can be hardened.

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

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