



PART OF BIRN GROUP

# TASSOBAR EN-GJL-300C

(According to EN 16482:2024)

## Characteristics

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

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-GJL-300C



## Chemistry (main elements)

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

Elements	Typical %
Iron	Balance
Carbon	2.90-3.50
Silicon	2.00-2.90
Manganese	0.40-0.90
Phosphorous	0.07-0.15
Sulphur	0.04-0.08
Others/Alloying	Residual

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

Material Specification	Material Section	Tensile Strength N/mm <sup>2</sup> min.
TassoBar EN-GJL-300C	20 mm – 50 mm	220
	>50 mm – 100 mm	205
	>100 mm – 200 mm	195
	>200 mm – 400 mm	185

Reference: EN 16482:2024, Table 1

**Brinell Hardness Range (Informative):** 200-270 HB measured as an average of the center and the rim area of the bar (10 mm diameter ball).

**Microstructure (Informative):** A, D & E graphite flakes. The matrix is approx. 80% or more pearlitic. The rim is predominantly ferritic and may contain minor quantities of free carbides.

**Heat Treat Response:** TassoBar EN-GJL-300C can be hardened with heat treatment.

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

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