

TASSOBAR EN-GJS-550-6C

(According to EN 16482:2024)

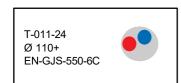
Characteristics

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.



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/mm² min.	Tensile Strength N/mm² min.	Elongation % min.
T4000D	20 mm - 60 mm	380	550	6
TASSOBar EN-GJS-550-6C	>60 mm - 120 mm	380	550	6
LN-033-330-00	>120 mm - 400 mm	340	550	3

Reference: EN 16482:2024, Table 2

Brinell Hardness Range (Informative): 190-255 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-550-6C can be hardened.

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

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