

DUCTILE IRON 3D

Colour Code

Green

Typical Mechanical Properties

Material Section	Anticipated Tensile Values N/mm ²	Hardness(BHN)	Matrix
20 < D ≤ 60	500	170-240	Ferritic - Pearlitic
60 < D ≤ 120	450	170-240	Ferritic - Pearlitic
120 < D ≤ 400	420	170-240	Ferritic - Pearlitic
400 < D ≤ 700	420	170-240	Ferritic - Pearlitic
Stocked Sizes	Available in continuous cast iron bar in sizes 40 - 360 mm diameter.		

Related Specifications

3D-500-7C, EN16482, EN-GJS-500-7C

A spheroidal graphite cast iron that possesses high elasticity and resistance to impact. 3D has an increased Pearlitic structure, resulting in higher wear resistance and increased strength with improved heat-treatment response. It is recommended for applications in which good machinability and surface finish are required, as well as minimal friction with other parts and/or materials. Suitable for applications involving thermal and mechanical shock. Noise and vibration damping are good in this grade. Conforms EN-16482:2014 EN GJS-500-7C

Typical Composition

	Min. %	Max. %
Carbon	3.25	3.70
Silicon	2.40	3.00
Manganese	0.10	0.40
Magnesium	0.04	0.07

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