

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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