



PRECISION CASTINGS

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Cast Iron

Cast Iron

Alloy Type	Similar Designation	Condition	Hardness Min.	Ultimate Tensile Strength psi	Yield Strength psi	Elongation % in 1 in.	Remarks	Castability	Resistance to Hot Tearing	Shrinkage	Fluidity
Grey Iron Class 30		Stress Relieve	R _B 85	30,000	*	Nil	Excellent Damping Characteristics	90	A	A	A

Carbon	Manganese	Silicon	Chromium	Molybdenum	Nickel	Tungsten	Cobalt	Phosphorous	Sulfur	Vanadium	Iron	Copper	Aluminum	Zinc	Titanium	Magnesium	Other
3.25 3.50	.60 .90	1.80 2.30	0.5 .20	.05 .10	.05 .20			0.12	0.15		Bal.	.15 .40					4.10 {TC = C + 1/3(Si)}

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