

ASTM A536

TECHNICAL SPECIFICATIONS

SCOPE

ASTM A536 covers castings made of ductile iron, also known as spheroidal or nodular iron.

A536 MECHANICAL PROPERTIES FOR GENERAL PURPOSE CASTINGS

	GRADE 60-40-18	GRADE 65-45-12	GRADE 80-55-06	GRADE 100-70-03	GRADE 120-90-02
Tensile, ksi min	60	65	80	100	120
Yield, ksi min	40	45	55	70	90
Elong, 2% min	18	12	6.0	3.0	2.0

A536 MECHANICAL PROPERTIES FOR SPECIAL APPLICATION CASTINGS

	GRADE 60-40-10	GRADE 70-50-05	GRADE 80-60-03
Tensile, ksi min	60	70	80
Yield, ksi min	42	50	60
Elong, 2% min	10	5	3

Casting Examples

A common item Portland Bolt stocks made to ASTM A536 include Hillside Washers (Grade 65-45-12), although some are made to ASTM A48.