

The American Society for Testing and Materials is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

ASTM A48 Gray iron castings intended for general use.

ASTM A48 covers gray iron castings intended for general use. A48 castings are supplied based solely on tensile strength, no chemical requirements or ductility is specified.

A48 Mechanical Properties

Class Number	Tensile Strength, ksi min
20	20
25	25
30	30
35	35
40	40
45	45
50	50
55	55
60	60

A48 Class Type

Class Type	Nominal Test Bar Diameter, inches
A	0.88
B	1.2
C	2.0
S	Agreed on between manufacturer and purchaser
Example, casting would be called out as A48-30A	

Casting Examples

Popular examples of castings often made to ASTM A48 include Hillside Washers and Ogee Washers.