



# ASTM A48



**Scope**

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.

| 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                        |

| Class Type |                                   |
|------------|-----------------------------------|
| Class Type | Nominal Test Bar Diameter, inches |
| A          | 0.88                              |
| B          | 1.2                               |
| C          | 2                                 |
| S          | Agreed on between                 |

*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.*

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