

## Material - ASTM A148 Grade 115-95

**Standard Specification for Steel Castings, High Strength, for Structural Purposes**

**Group - Ferrous Mild Steel Alloys**

**Sub Group - ASTM A148 Grade 115-95 High Strength Steel Castings for Structural Purposes**

**Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries**

**Grade Belongs to the Industry - Casting**

| Chemical Composition |      |            | Heat Treatment                                                                                                                                                                                            |  |
|----------------------|------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Sulphur              | S %  | 0.060 Max. | Normalising or Annealing or Hardening + Tempering                                                                                                                                                         |  |
| Phosphorus           | P %  | 0.050 max. |                                                                                                                                                                                                           |  |
| Iron                 | Fe % | Balance    |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          | <b>Mechanical Properties</b><br>Tensile Strength in Mpa 795 min.<br>Yield Strength in Mpa 655 min.<br>Elongation in % 14 min.<br>Reduction of Area in % 30 min.<br>Hardness in BHN -<br>Impact in Joule - |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |
| -                    | -    | -          |                                                                                                                                                                                                           |  |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| D50950                | UNS      | USA     | Casting                      |
| A148 Grade 80-50      | ASTM     | USA     | Casting                      |
| A148 Grade 90-60      | ASTM     | USA     | Casting                      |
| A148 Grade 105-85     | ASTM     | USA     | Casting                      |
| A148 Grade 160-145    | ASTM     | USA     | Casting                      |
| A148 Grade 130-115    | ASTM     | USA     | Casting                      |
| A148 Grade 135-125    | ASTM     | USA     | Casting                      |

**For any further inquiries, please do not hesitate to contact us. You may visit our website at [AMTECH TECHNOCAST PVT. LTD.](http://AMTECH TECHNOCAST PVT. LTD.), call us at [+91 9879817994](tel:+919879817994), or email us at [manish@amtechtechnocast.com](mailto:manish@amtechtechnocast.com)**

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