

## **Material: JIS SCW 490-CF**

## Standard Specification for Steel Castings for Pressure Purposes

## **Group: Ferrous Mild Steel Alloys**

## **Sub Group: JIS SCW 490-CF Steel Castings for Pressure Purposes**

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

## **Grade Belongs to the Industry: *Casting***

## Heat Treatment

| Mechanical Properties   |           |
|-------------------------|-----------|
| Tensile Strength in Mpa | 490 min.  |
| Yield Strength in Mpa   | 315 min.  |
| Elongation in %         | 20 min.   |
| Reduction of Area in %  | -         |
| Hardness in BHN         | -         |
| Impact in Joule         | 27 J @ RT |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| EN 10213 G17Mn5       | BS       | British | Plate, Tubes and Forging     |
| GS-16 Mn 5            | DIN      | Germany | Plate, Tubes and Forging     |
| SC 480                | JIS      | Japan   | Casting                      |
| SCW 480               | JIS      | Japan   | Casting                      |
| G 17 Mn 5             | MSZ      | Hungary | Casting                      |
| G 17 Mn 5             | UNI      | Italy   | Casting                      |
| G 17 Mn 5             | UNE      | Spain   | Casting                      |

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)