

Material: EN 1.4469

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: EN 1.4469 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry: Casting

| Chemical Composition | | |
|----------------------|------|-----------------|
| Carbon | C % | 0.030 max. |
| Silicon | Si % | 1.000 max. |
| Manganese | Mn % | 1.000 max. |
| Phosphorus | P % | 0.035 max. |
| Sulphur | S % | 0.025 max. |
| Chromium | Cr % | 25.000 - 27.000 |
| Molybdenum | Mo % | 3.000 - 5.000 |
| Nickel | Ni % | 6.000 - 8.000 |
| Copper | Cu % | 1.300 max. |
| Nitrogen | N % | 0.120 - 0.220 |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|--|
| Normalizing or Quenching or Solution Annealing |

| Mechanical Properties | |
|-------------------------|-----------|
| Tensile Strength in Mpa | 650 - 850 |
| Yield Strength in Mpa | 480 min. |
| Elongation in % | 22 min. |
| Reduction of Area in % | - |
| Hardness in BHN | - |
| Impact in Joule | 50 J @ RT |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| GX2CrNiMoN26-7-4 | BS | British | Plate, Tubes and Forging |
| GX2CrNiMoN26-7-4 | ISO | International | Casting |
| 1.4469 | ISO | International | Casting |
| GX2CrNiMoN26-7-4 | NBN | Belgium | Casting |
| 1.4469 | NBN | Belgium | Casting |
| GX2CrNiMoN26-7-4 | EN | European Union | Casting |
| 1.4469 | SFS | Finland | Casting |

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