

Material: DIN 1.6369

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: DIN 1.6369 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|-------------------------|-----------|
| Carbon | C % | 0.100 - 0.170 | Normalizing + Tempering | |
| Silicon | Si % | 0.250 - 0.500 | | |
| Manganese | Mn % | 0.800 - 0.120 | | |
| Phosphorus | P % | 0.016 max. | | |
| Sulphur | S % | 0.005 max. | | |
| Chromium | Cr % | 0.300 max. | | |
| Molybdenum | Mo % | 0.250 - 0.400 | | |
| Nickel | Ni % | 1.000 - 1.300 | | |
| Niobium | Nb % | 0.015 - 0.025 | | |
| Aluminium | Al % | 0.050 max. | | |
| | | | Mechanical Properties | |
| Copper | Cu % | 0.500 - 0.800 | Tensile Strength in Mpa | 580 - 780 |
| Nitrogen | N % | 0.020 max. | Yield Strength in Mpa | 410 min. |
| Iron | Fe % | Balance | Elongation in % | 16 min. |
| - | - | - | Reduction of Area in % | 25 min. |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | 41 J @ RT |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 1.6368 | EN | European Union | Steel and Flat |
| 1.6368 | DIN | Germany | Steel and Flat |
| 1.6368 | DIN | Germany | Steel and Flat |
| 15NiCuMoNb5 | DIN | Germany | Steel |
| 15 NiCuMoNb 5 S | DIN | Germany | Steel |
| 1.6369 | DIN | Germany | Steel |
| 15 NiCuMoNb 5 S | DIN | Germany | Steel |

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