GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - ASME SA-268 TP430 Ti

## Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - ASME SA-268 TP430 Ti Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service**

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

**Grade Belongs to the Industry - Tubing**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.100 max. |
| Manganese | Mn % | 1.000 max. |
| Phosphorus | P % | 0.040 max. |
| Sulphur | S % | 0.030 max. |
| Silicon | Si % | 1.000 max. |
| Nickel | Ni % | 0.750 max. |
| Chromium | Cr % | 16.000 - 19.500 |
| Titanium | Ti % | 0.005 - 0.750 |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| Normalizing or Tempering or As-Raw |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 415 min. |
| Yield Strength in Mpa | 240 min. |
| Elongation in % | 20 min. |
| Reduction of Area in % | - |
| Hardness in BHN | 190 max. |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| S43036 | UNS | USA | Steel |
| A 815 Grade WP430Ti | ASTM | USA | Steel and Pipe |
| A 959 Type 430Ti | ASTM | USA | Steel |
| A 268 TP430 Ti | ASTM | USA | Steel and Tube |
| A 651 TP 430 Ti | ASTM | USA | Steel and Wire |
| A 554 MT 430-Ti | ASTM | USA | Steel and Tubing |
| SA-815 WP430Ti | ASME | USA | Steel |

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.