

Material: ASME SA-29 1213

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

Group: Ferrous Mild Steel Alloys

Sub Group: ASME SA-29 1213 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

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

Grade Belongs to the Industry: Steel

| Heat Treatment | |
|---|-----------|
| As Raw or Annealing or Normalizing or Hardening and Tempering | |
| Mechanical Properties | |
| Tensile Strength in Mpa | 390 - 540 |
| Yield Strength in Mpa | 230 min. |
| Elongation in % | 10 min. |
| Reduction of Area in % | 35 - 45 |
| Hardness in HB | 121 - 167 |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| G12130 | UNS | USA | Bars, Wire Rods, Plates, Strip, Sheets and Tubing |
| 1213 | SAE | USA | Bars, Wire Rods, Plates, Strip, Sheets and Tubing |
| 1213 | AISI | USA | Steel and Bar |
| A 1040 1213 | ASTM | USA | Steel |
| A 576 1213 | ASTM | USA | Steel and Bar |
| A 108 Grade 1213 | ASTM | USA | Steel and Bar |
| A 29 1213 | ASTM | USA | Steel and Bar |

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