



1.4000

<https://www.steelss.com>

High Quality Special Steel Supplier

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1.4000

Stainless steels - Technical delivery conditions for drawn wire 1.4000 steel chemical information,mechanical properties, physical properties, mechanical properties, heat treatment, and Micro structure, We can produce round bars, forged rings, forged cakes, flat bars, tubes, sheets, plates, steel wires, steel strips, steel coils, etc. The size can be customized, the maximum order quantity is 100Kg. It also contains the use of 1.4000,such as it is commonly used in bars, sheet,plates, steel coils, steel pipes,forged and other materials application.

Data Table for Materials Stainless Steels Stainless steels - Technical delivery conditions for drawn wire 1.4000

| 1.4000 Standard Number | | |
|------------------------|------------------|--|
| ITEM | Standard Number | Descriptions |
| 1 | DIN 17440 (1996) | Stainless steels - Technical delivery conditions for drawn wire |
| 2 | DIN 17440 (2001) | Stainless steels - Technical delivery conditions for drawn wire |
| 3 | DIN 17441 (1985) | Stainless steels - Technical delivery conditions for cold rolled strips and slit coils strip and sheets cut from such strips for pressure purposes |
| 4 | DIN EN 10088-1 | Stainless steels - Part 1: List of stainless steels |
| 5 | DIN EN 10088-2 | Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes |
| 6 | DIN EN 10088-3 | Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes |

| 1.4000 Chemical composition(mass fraction)(wt.%) | | |
|--|---------|---------|
| Chemical | Min.(%) | Max.(%) |
| C | | 0.08 |
| Si | | 1.00 |
| Mn | | 1.00 |
| P | | 0.040 |



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| | | | | | | | | | |
|----|----|----|----|------|----|----|----|-------|-------|
| S | | | | | | | | 0.015 | |
| Cr | | | | 12.0 | | | | 14.0 | |
| C | Si | Mn | P | S | Cr | Ni | Mo | V | Ta |
| W | N | Cu | Co | Pb | B | Nb | Al | Ti | Other |

1.4000 Physical Properties

| | | |
|------------------|---------|----------|
| Tensile strength | 115-234 | b/MPa |
| Yield Strength | 23 | 0.2 /MPa |
| Elongation | 65 | 5 (%) |
| | - | (%) |
| Akv | - | Akv /J |
| HBS | 123-321 | - |
| HRC | 30 | - |

1.4000 Mechanical Properties

| | | |
|------------------|---------|----------|
| Tensile strength | 231-231 | b/MPa |
| Yield Strength | 154 | 0.2 /MPa |
| Elongation | 56 | 5 (%) |
| | - | (%) |
| Akv | - | Akv /J |
| HBS | 235-268 | - |
| HRC | 30 | - |

1.4000 Heat Treatment Regime

| | | | | |
|-----------|-----------|-----------|-------------|-------|
| Annealing | Quenching | Tempering | Normalizing | Q & T |
| ? | ? | ? | ? | ? |



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1.4000 Range of products

| Product type | Products | Dimension | Processes | Deliver Status |
|-----------------|--|----------------------------|---|---|
| Plates / Sheets | Plates / Sheets | 0.08-200mm(T)*W*L | Forging, hot rolling and cold rolling | Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting |
| Steel Bar | Round Bar, Flat Bar, Square Bar | 8-1200mm*L | Forging, hot rolling and cold rolling, Cast | Black, Rough Turning, Shot Blasting, |
| Coil / Strip | Steel Coil /Steel Strip | 0.03-16.0x1200mm | Cold-Rolled & Hot-Rolled | Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting |
| Pipes / Tubes | Seamless Pipes/Tubes, Welded Pipes/Tubes | OD:6-219mm x WT:0.5-20.0mm | Hot extrusion, Cold Drawn, Welded | Annealed, Solution and Aging, Q+T, ACID-WASHED |

We can produce Stainless Steels the specifications follows: