



## ASTM440C

<https://www.steel0.com>

High Quality Special Steel Supplier

+86-13880247006 E-mail:sales@steel0.com

# ASTM440C

ASTM440C ASTM440C 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 **ASTM440C**,such as it is commonly used in bars, sheet,plates, steel coils, steel pipes,forged and other materials application.

## Data Table for Grades Stainless Steels - Special Steels ASTM440C ASTM440C

| ASTM440C Standard Number |                 |              |
|--------------------------|-----------------|--------------|
| ITEM                     | Standard Number | Descriptions |

| ASTM440C Chemical composition(mass fraction)(wt.%) |         |         |
|--|---------|---------|
| Chemical   | Min.(%) | Max.(%) |
| C  | 0.95    | 1.2     |
| Si   |         | 1       |
| Mn   |         | 1       |
| P  |         | 0.04    |
| S  |         | 0.03    |
| Mo   |         | 0.75    |

| ASTM440C Physical Properties |         |             |
|------------------------------|---------|-------------|
| Tensile strength             | 115-234 | ?b/MPa      |
| Yield Strength               | 23      | ? 0.2 ?/MPa |
| Elongation                   | 65      | ?5? (%)     |
| ?                            | -       | ?? (%)      |



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|     |         |        |
|-----|---------|--------|
| Akv | -       | Akv?/J |
| HBS | 123-321 | -      |
| HRC | 30      | -      |

### ASTM440C 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      | -           |

### ASTM440C Heat Treatment Regime

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

### ASTM440C 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                |

