

# Stainless Steel



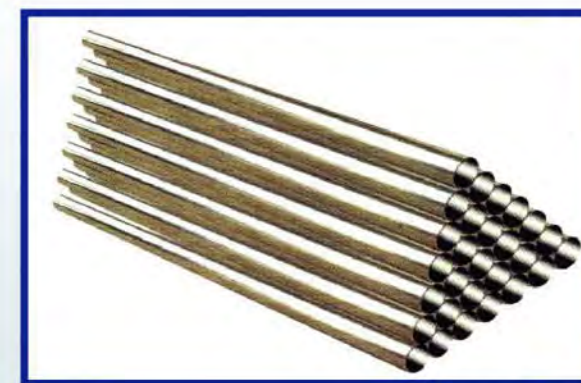
鼎联国际集团



UNIONLEVER INTERNATIONAL GROUP

2012

## Stainless Steel





## Company profile



鼎联国际集团



UNIONLEVER INTERNATIONAL GROUP

- Stainless Steel Tube
- Stainless Steel wire
- Stainless steel hexagon bar
- Stainless Steel Square Bar
- Stainless steel round bars

Our company concentrates on quality management, technique improvement and innovation, by taking quality and customer's satisfaction as the first and foremost factors in our organization development. we welcome anyone from different fields to work with together and explore new prospects together on the basis of mutual benefit, trust and development.

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# Stainless Steel wire

Stainless steel wire is used in a number of industries including wire-drawing, weaving of wire mesh, soft pipe, beam of cabinet, steel wire rope, filter material and equipment, spring, making of handicrafts, etc.



## Chemical Composition of Stainless Steel Wire:

| AISI Grade | Chemical Composition(%) |       |       |        |        |             |             |           |
|------------|-------------------------|-------|-------|--------|--------|-------------|-------------|-----------|
|            | C                       | Si    | Mn    | P      | S      | Ni          | Cr          | Mo        |
| 304        | ≤0.08                   | ≤1.00 | ≤2.00 | ≤0.045 | ≤0.030 | 8.00~10.50  | 18.00~20.00 | -         |
| 304H       | >0.08                   | ≤1.00 | ≤2.00 | ≤0.045 | ≤0.030 | 8.00~10.50  | 18.00~20.00 | -         |
| 304L       | ≤0.030                  | ≤1.00 | ≤2.00 | ≤0.045 | ≤0.030 | 9.00~13.50  | 18.00~20.00 | -         |
| 316        | ≤0.045                  | ≤1.00 | ≤2.00 | ≤0.045 | ≤0.030 | 10.00~14.00 | 10.00~18.00 | 2.00~3.00 |
| 316L       | ≤0.030                  | ≤1.00 | ≤2.00 | ≤0.045 | ≤0.030 | 12.00~15.00 | 16.00~18.00 | 2.00~3.00 |
| 430        | ≤0.12                   | ≤0.75 | ≤1.00 | ≤0.040 | ≤0.030 | ≤0.60       | 16.00~18.00 | -         |
| 430A       | ≤0.06                   | ≤0.50 | ≤0.50 | ≤0.030 | ≤0.50  | ≤0.25       | 14.00~17.00 | -         |

Note: Special product with special specification can be made to order.



# Stainless Steel Tube

The wall of the tube is thin and even, able to bear corroding, able to bear the high temperature, able to bear the high pressure widely used in state-defense; aerospace; chemical industry; instrument & apparatus, etc.



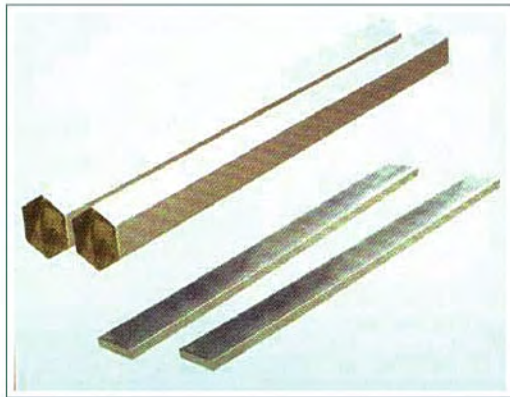
## SIZE AND WEIGHT

| thickness of the wall<br>diameter   | 1.2  | 1.5  | 1.6  | 1.8  | 2.0  | 2.3  | 2.6  | 2.9  | 3.2   |
|---|------|------|------|------|------|------|------|------|-------|
| ∅19   | 0.53 | 0.65 | 0.69 | 0.77 |      |      |      |      |       |
| ∅25   | 0.71 | 0.87 | 0.93 | 1.04 | 1.15 |      |      |      |       |
| ∅32   | 0.92 | 1.13 | 1.21 | 1.35 | 1.49 | 1.70 |      |      |       |
| ∅38   | 1.10 | 1.35 | 1.45 | 1.62 | 1.79 | 2.05 |      |      |       |
| ∅40   | 1.16 | 1.43 | 1.53 | 1.71 | 1.89 | 2.16 |      |      |       |
| ∅41   |      | 1.47 | 1.57 | 1.75 | 1.94 | 2.22 |      |      |       |
| ∅51   |      | 1.83 | 1.97 | 2.21 | 2.44 | 2.79 | 3.13 |      |       |
| ∅53   |      | 1.91 | 2.04 | 2.29 | 2.54 | 2.90 | 3.26 |      |       |
| ∅70   |      |      |      | 3.05 | 3.38 | 3.87 | 4.36 | 4.85 |       |
| ∅85   |      |      |      | 3.90 | 4.33 | 4.97 | 5.60 | 6.22 | 6.84  |
| ∅89   |      |      |      |      | 4.96 | 5.69 | 6.41 | 7.13 | 7.84  |
| ∅104  |      |      |      |      | 5.08 | 5.82 | 6.57 | 7.30 | 8.03  |
| ∅114.3  |      |      |      |      | 5.59 | 7.26 | 7.23 | 8.05 | 8.86  |
| ∅129  |      |      |      |      | 6.33 | 7.29 | 8.19 | 9.11 | 10.03 |
| Note: theoretic formula   |      |      |      |      |      |      |      |      |       |
| Steel mark: 304 304L 321    formula: $W=0.0249(D-t)$ Steel mark: 316 316L    formula: $W=0.02507t(D-t)$ |      |      |      |      |      |      |      |      |       |

Note: special specification can be made according to customer's order

# Stainless Steel Hexagon Bar

Austenitic stainless steel hexagon bar provides excellent mechanical properties. Heat treatment cannot be used to harden austenitic stainless steel hexagon bar, although it can be hardened considerably by cold working.



sales@unionlever.com  
Specification

| Steel Grade  | Length of side |
|--|----------------|
| AISI 301, AISI 304,<br>AISI 304L, AISI 321,<br>AISI 316, AISI 316L,<br>AISI 310S | 5.5mm---80mm   |

Note: special specification can be made according to customer's order