

WIRE & ROPE

Stainless Steel Catalogue

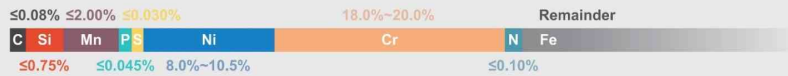


Wire
Wire Rod
Wire Rope

Main Grades of Stainless Steel Wire & Rope

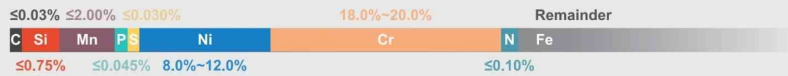
304

AISI304, SUS304, S30400, 1.4301



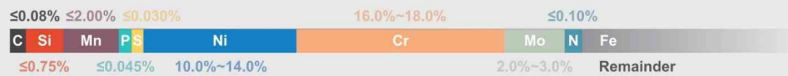
304L

AISI304L, SUS304L, S30403, 1.4306



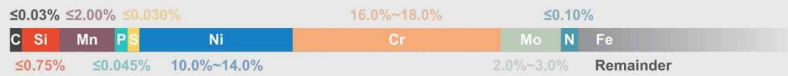
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AISI316, SUS316, S31600, 1.4401



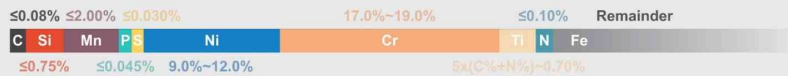
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AISI316L, SUS316L, S31603, 1.4404



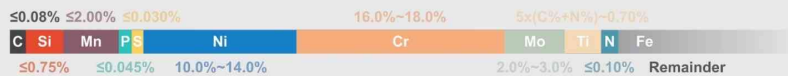
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AISI321, SUS321, S32100, 1.4541



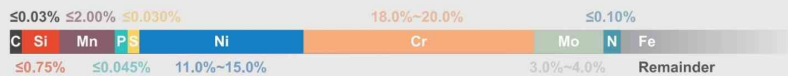
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AISI316Ti, SUS316Ti, S31635, 1.4571



317L

AISI317L, SUS317L, S31726, 1.4438



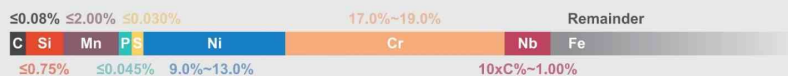
310S

AISI310S, SUS310S, S31008, 1.4845



347

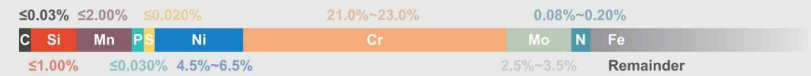
AISI347, SUS347, S34700, 1.4550



Main Grades of Stainless Steel Wire & Rope

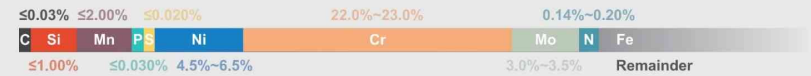
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F51, SUS329J3L, 1.4462



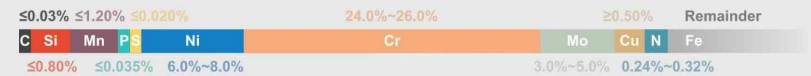
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2205, SUS329J3L, F51, 1.4462



S32750

2507, NAS74N, F53, 1.4410



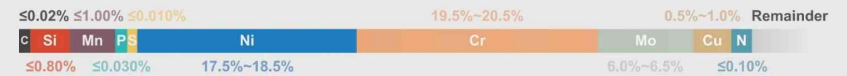
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AISI904L, SUS904L, N08904, 1.4539



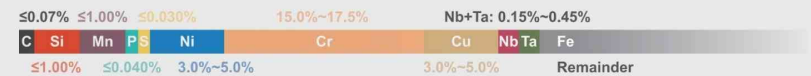
254SMo

AISI254SMo, SUS254SMo, S31254, 1.4547



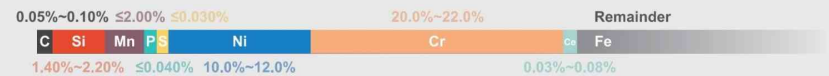
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AISI630, SUS630, S17400, 1.4542



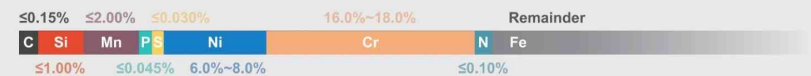
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AISI253MA, SUS253MA, S30815, 1.4835



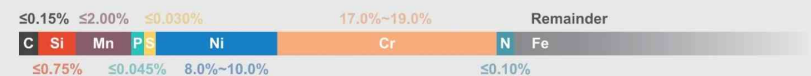
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AISI301, SUS301, S30100, 1.4319



302

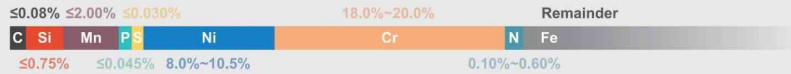
AISI302, SUS302, S30200, 1.4318



Main Grades of Stainless Steel Wire & Rope

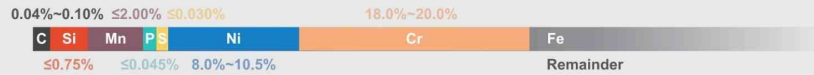
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AISI304N, SUS304N1, S30451, 1.4315



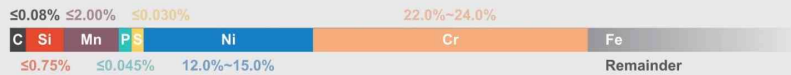
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AISI304H, SUS304, S30409, 1.4948



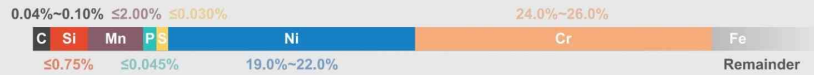
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AISI309S, SUS309S, S30908, 1.4833



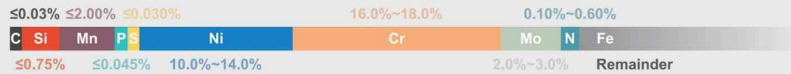
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AISI310H, SUS310H, S31009, 1.4845



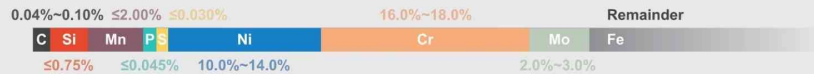
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AISI316LN, SUS316LN1, S31653, 1.4429



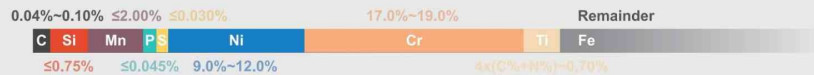
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AISI316H, SUS316H, S31609, 1.4436



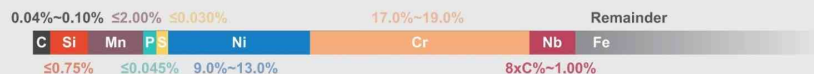
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AISI321H, SUS321H, S32109, 1.4541



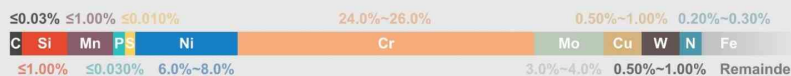
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AISI347H, SUS347H, S34709, 1.4912



S32760

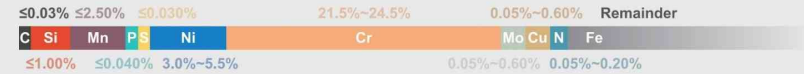
F55, 1.4501



Main Grades of Stainless Steel Wire & Rope

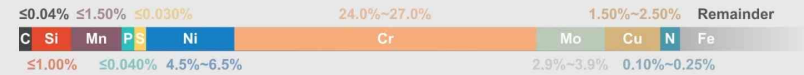
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2304, DP11, 1.4362



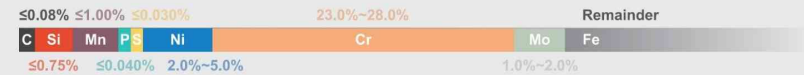
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255, SUS329J4L, QSA2505, 1.4507



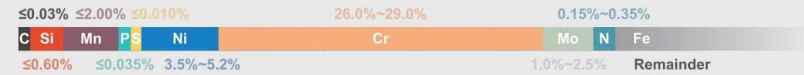
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329, SUS329J1, 1.4477



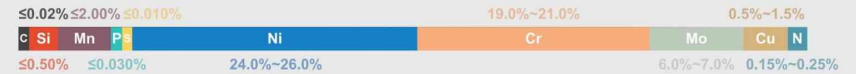
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F52



926

AISI926, SUS926, N08926, 1.4529



654SMo

AISI654SMo, SUS654SMo, S32654, 1.4652



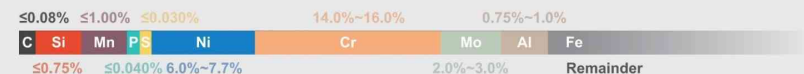
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AISI631, SUS631, S17700, 1.4568



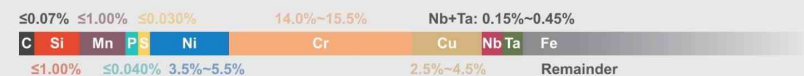
PH15-7Mo

AISI630, SUS630, S15700, 1.4542



15-5PH

S15500



Main Grades of Stainless Steel Wire & Rope

410

AISI410, SUS410, S41000, 1.4006

0.08%~0.15% ≤1.00% ≤0.030% 11.5%~13.5%

C	Si	Mn	P	S	Ni	Cr	Fe
≤1.00%	≤0.040%	≤0.75%	Remainder				

410S

AISI410S, SUS410S, S41008, 1.4000

≤0.08% ≤1.00% ≤0.030% 11.5%~13.5%

C	Si	Mn	P	S	Ni	Cr	Fe
≤1.00%	≤0.040%	≤0.6%	Remainder				

420

AISI420, SUS420J1, SUS420J2, 1.4021, 1.4028, S42000

≥0.15% ≤1.00% ≤0.030% Remainder

C	Si	Mn	P	S	Cr	Fe
≤1.00%	≤0.040%	12.0%~14.0%	Remainder			

420F

AISI420F, SUS420F, S42020, 1.4029

0.30%~0.40% ≤1.50% 0.20%~0.34% 12.5%~14.0% Remainder

C	Si	Mn	P	S	Ni	Cr	Cu	Fe
≤1.00%	≤0.060%	≤0.50%	Remainder				≤0.60%	

431

AISI431, SUS431, S43100, 1.4057

≤0.20% ≤1.00% ≤0.030% 15.0%~17.0%

C	Si	Mn	P	S	Ni	Cr	Fe
≤1.00%	≤0.040%	1.25%~2.50%	Remainder				

440A

AISI440A, SUS440A, S44002

0.60%~0.75% ≤1.00% ≤0.030% ≤0.75%

C	Si	Mn	P	S	Cr	Mo	Fe
≤1.00%	≤0.040%	16.0%~18.0%	Remainder				

440B

AISI440B, SUS440B, S44003, 1.4112

0.75%~0.95% ≤1.00% ≤0.030% ≤0.75%

C	Si	Mn	P	S	Cr	Mo	Fe
≤1.00%	≤0.040%	16.0%~18.0%	Remainder				

440C

AISI440C, SUS440C, S44004, 1.4125

0.95%~1.20% ≤1.00% ≤0.030% ≤0.75%

C	Si	Mn	P	S	Cr	Mo	Fe
≤1.00%	≤0.040%	16.0%~18.0%	Remainder				

409(L)

AISI409, AISI409L, SUH409, SUH409L, S40900, 1.4512

≤0.03% ≤1.00% ≤0.020% 10.5%~11.7% ≤0.50% Remainder

C	Si	Mn	P	S	Ni	Cr	Ti	Nb	N	Fe
≤1.00%	≤0.040%	≤0.50%	Remainder			6x(C+N)~0.50%	≤0.10%			

Main Grades of Stainless Steel Wire & Rope

430

AISI430, SUS430, S43000, 1.4016

≤0.12% ≤1.00% ≤0.030% 16.0%~18.0%

C	Si	Mn	P	S	Ni	Cr	Fe
≤1.00%	≤0.040%	≤0.75%	Remainder				

434

AISI434, SUS434, S43400, 1.4113

≤0.12% ≤1.00% ≤0.030% 0.75%~1.25%

C	Si	Mn	P	S	Cr	Mo	Fe
≤1.00%	≤0.040%	16.0%~18.0%	Remainder				

436

AISI436, SUS436, S43600, 1.4536

≤0.12% ≤1.00% ≤0.030% 0.75%~1.25% Remainder

C	Si	Mn	P	S	Cr	Mo	Nb	Fe
≤1.00%	≤0.040%	16.0%~18.0%	Remainder			5%C~0.8%		

439

AISI439, SUS430LX, S43035, 1.4510

≤0.03% ≤1.00% ≤0.030% 17.0%~19.0% Remainder

C	Si	Mn	P	S	Ni	Cr	N	Fe
≤1.00%	≤0.040%	≤0.50%	Remainder				≤0.030%	

444

AISI444, SUS444, S44400, 1.4521

≤0.25% ≤1.00% ≤0.030% 17.5%~19.5% Ti+Nb: [0.20+4x(C+N%)]~0.80% Remainder

C	Si	Mn	P	S	Ni	Cr	Mo	Ti	Nb	N	Fe
≤1.00%	≤0.040%	≤1.00%	Remainder				1.75%~2.50%	≤0.030%			



ASTRALLOY INDIA
NICKEL ALLOYS DUPLEX & STAINLESS STEEL

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Wire





Specifications

- Dimensions:
Diameter: 0.02mm-25mm
*Customized size needs to be confirmed with us
- Classification: Spring wire, welding wire, hydrogen wire, bright wire, half-soft wire, soft wire, cold-forging wire, electrolytic wire as well as special-shaped wires.

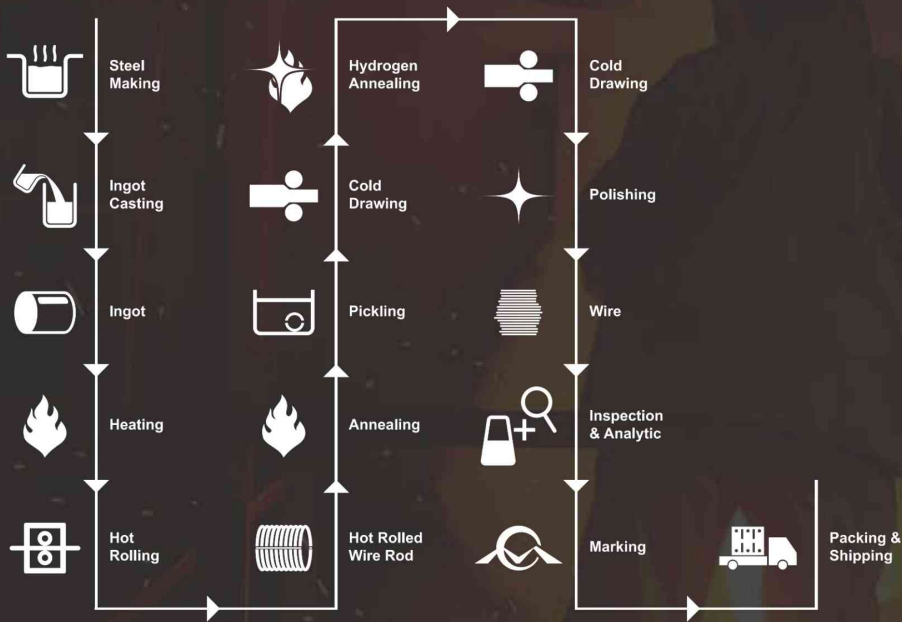
Features

Good tensile and mechanical properties, anti-corrosion, heat resistance, high melting point.

Applications

Spring wire, cable wire, stainless steel soft tube, chemical industry, petroleum, energy, aerospace, heat exchanger, papermaking plant, parts, electron tube, electronic instruments, mesh, medical application, cookware, etc.

Manufacturing Process



Drawing & Formula

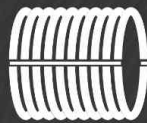


Formula:

$$m = OD \text{ (mm)} \times OD \text{ (mm)} \times L \text{ (m)} \times 0.00623$$

* For 400 series stainless steel, ratio=0.00609
 OD = Outer diameter, L = Length





Wire Rod





Specifications

- Delivery State: Hot Rolled, Cold Drawn
- Diameter:
 - a. Hot rolled wire rod: 5.5 -20mm
 - b. Cold drawn wire rod: 1 -12mm
- Weight: 100Kg per roll
- Tolerance: H9, H11

Features

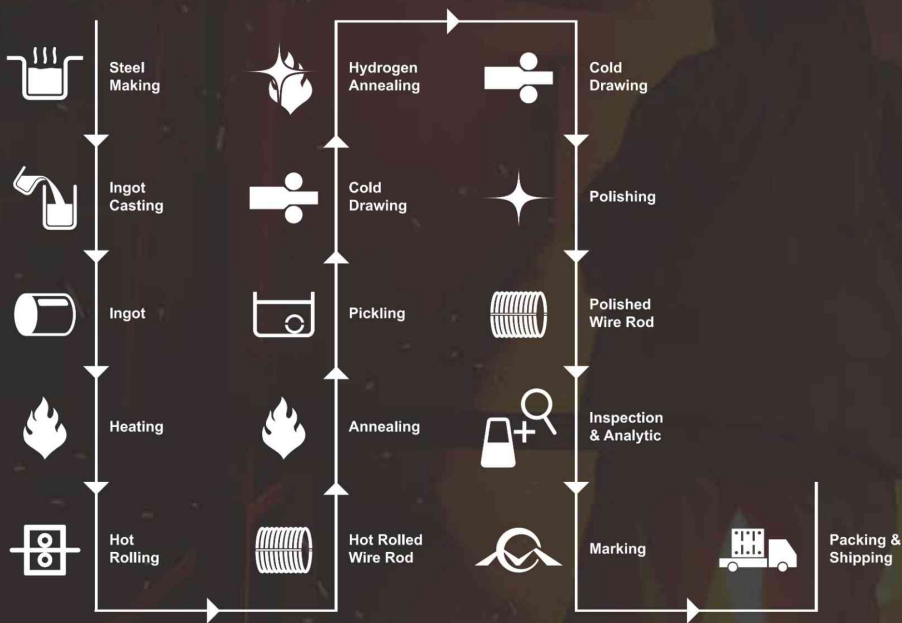
Anti-corrosion (the degree is susceptible to the alloys contained), heat-resistance, good cold and hot working properties, good toughness, good comprehensive performances and wide application.

Applications

Home appliances, electric appliances, construction materials, medical equipment, auto parts, petroleum, chemical application, agricultural irrigation, edible oil refinery factories, paper plants, shipyard, nuclear power plant etc.



Manufacturing Process



Drawing & Formula

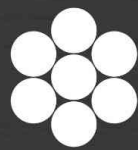


Formula:

$$m = OD \text{ (mm)} \times OD \text{ (mm)} \times L \text{ (m)} \times 0.00623$$

* For 400 series stainless steel, ratio=0.00609
 OD = Outer diameter, L = Length





Wire Rope





Specifications

• Dimensions:

Specifications: 1×7, 1×12, 1×19, 1×37, 6×7,
6×12, 6×19, 6×25, 6×29, 6×31, 6×36, 6×37, 7×7,
7×18, 7×19, 7×35, 7×37, 17×39, 19×43

Diameter: Φ 0.15mm- Φ 50mm

*Customized size needs to be confirmed with us

Features

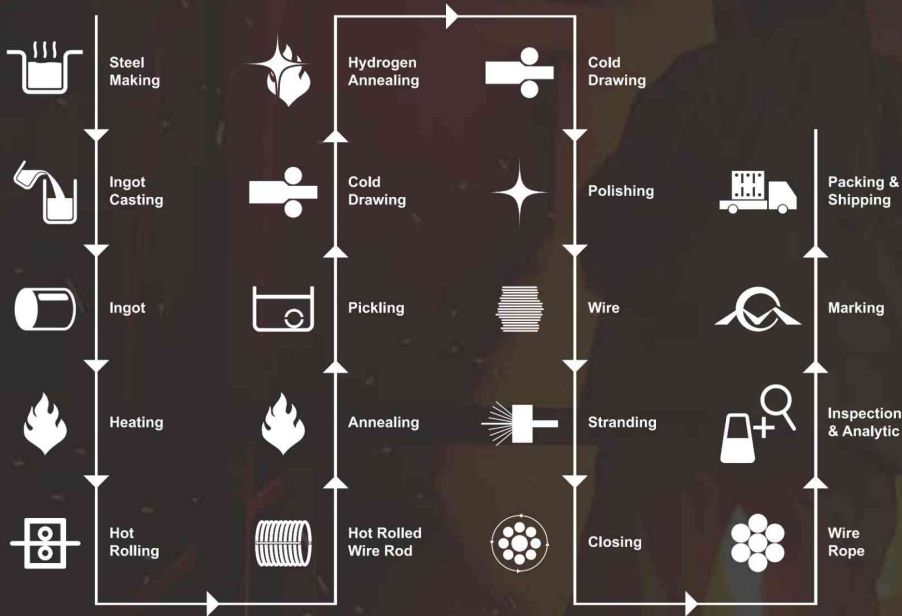
Good toughness and flexibility, anti-corrosion,
anti-fatigue, heat resistance, durability

Applications

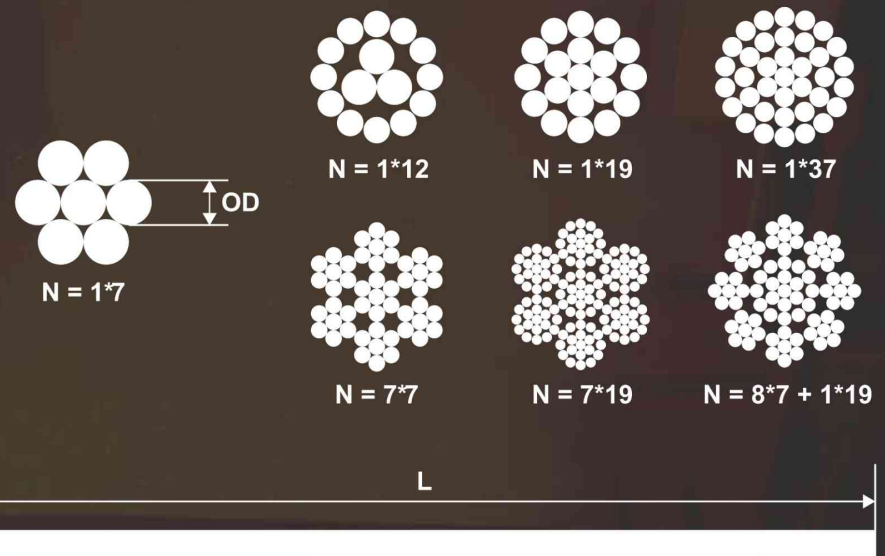
Etroleum, chemical industry, textile industry,
machinery, aerospace, precision instrument,
construction, medical industry, auto parts,
fishing, etc.



Manufacturing Process



Drawing & Formula

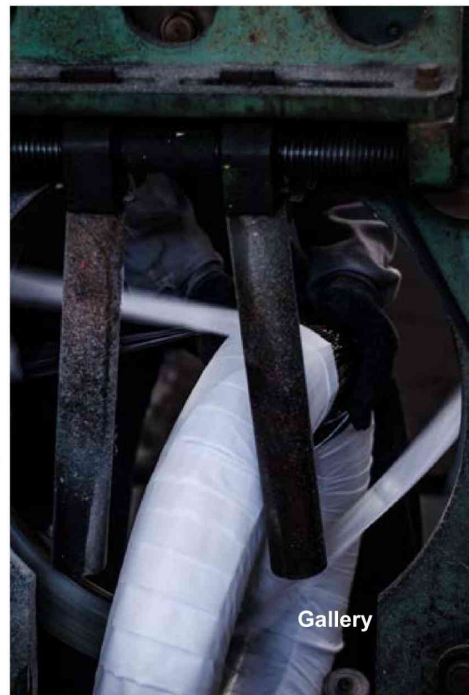
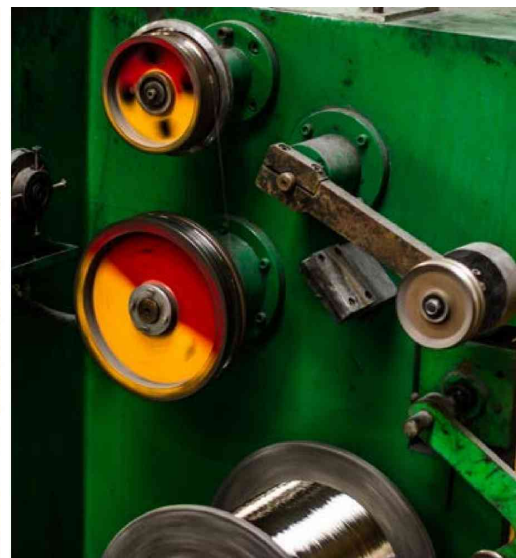


Formula:

$$m = OD \text{ (mm)} \times OD \text{ (mm)} \times L \text{ (m)} \times N \times 0.00623$$

* For 400 series stainless steel, ratio=0.00609
 OD = Outer diameter, L = Length

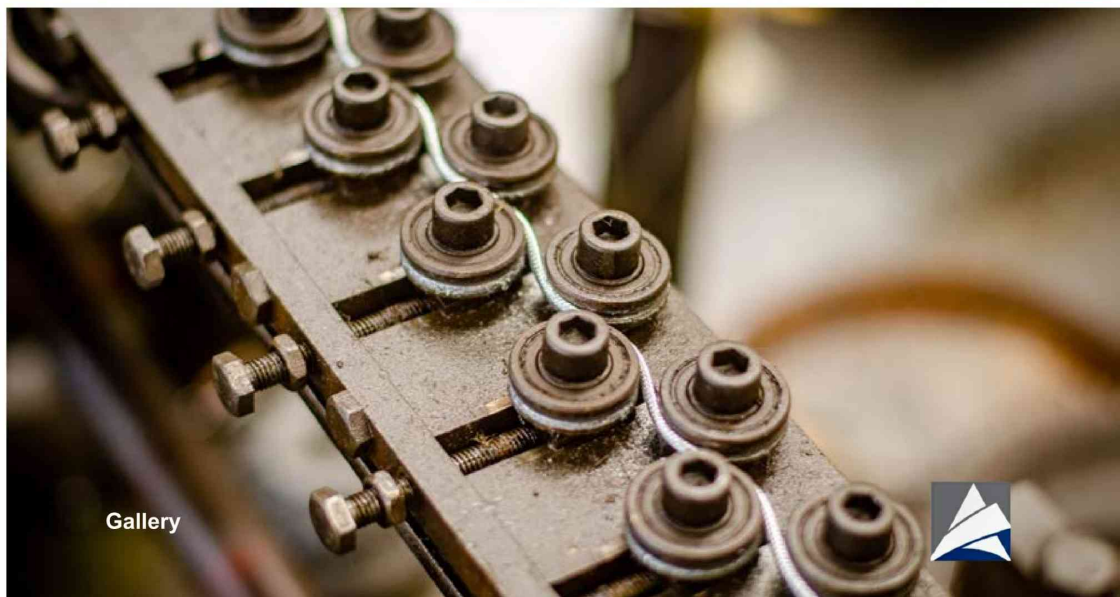
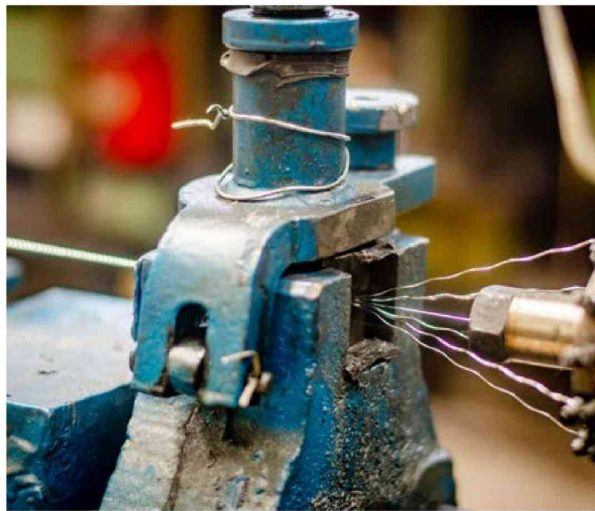
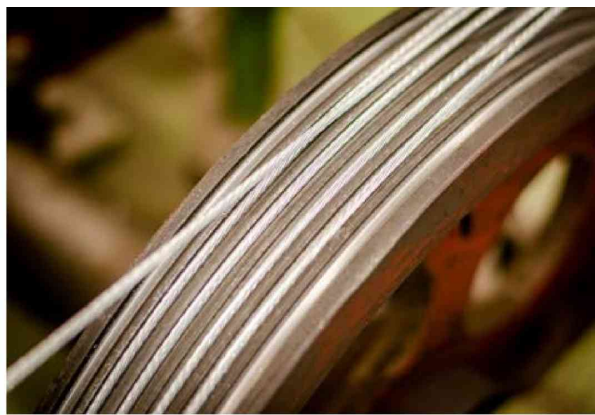




Gallery

Gallery





FAQ

Q: Where's your main market?

A: South America, South-East Asia, Middle-East, Europe and so on.

Q: What's your standard package?

A: Our package can be waterproof thick woven plastic bag and wooden case.

Q: How long is your delivery time?

A: Normally, it takes three weeks for us to complete production of SS wire rod for order quantity less than two containers, but the delivery time might also be influenced by other factors such as special grade, special size, large quantity of the product itself, or some force majeure.

Q: What is MOQ of stainless steel wire rod?

A: Normally, our MOQ is 1 Ton per size. If not sure in your case, just contact us.

Q: What is MOQ of stainless steel wire?

A: Normally, our MOQ of stainless steel wire is 500KG. For specific grades and dimensions, we suggest confirmation with us.

Q: What types of stainless steel wire do you produce?

A:

- 1) Stainless steel welding wire
- 2) stainless steel spring wire
- 3) stainless steel welding wire
- 4) stainless steel hydrogen wire
- 5) stainless steel bright wire
- 6) stainless steel half-soft wire, stainless steel soft wire
- 7) stainless steel cold-forging wire
- 8) stainless steel electrolytic wire
- 9) stainless steel special-shaped wires

Q: What's the delivery state?

A: Soft, half soft, hard. For specific applications, please kindly inform us the tensile strength requirement to make sure what we produce is what you want.

Q: Can I add our label or sticker on the package?

A: We support this service so long as it doesn't involve any copyright infringement.

Q: What is the main grade that you produce?

A: Our main grades for stainless steel wire rope are 304 and 316. We can also customize stainless steel wire rope as per your specified grades and sizes for your reference.

Q: What are the types of stainless steel wire rope?

A:

1. Point contact: The adjacent stainless steel wires contact in the form of point in the strands. The diameters of all the stainless steel wires, excluding the central wire are equal, and the strands are formed by layering.
2. Line contact: There is a linear contact between the adjacent layers of stainless steel wire in the strand, and the strands are made of stainless steel wires of different diameters in one process.
3. Flat contact: The contact between the adjacent layers of stainless steel wires presents flat in the strand.
4. Point and line contact: There are two kinds of contact forms between the adjacent layers of stainless steel wires in the strand. The strands are made of wires of different diameters.
5. Shaped strand: Shaped strand stainless steel wire rope is named for its triangular shape, oval shape or fan shape cross the section.

Q: Can I get samples?

A: We can provide free sample but the freight will be borne by you.

Q: Can I add our label or sticker on the rolls, carton or pallet?

A: We can support this service so long as it doesn't involve copyright infringement.

Q: What are applications of stainless steel wire rope?

A:

1. In the equipment reform of chemical, fertilizer, chemical fiber and other industries, stainless steel wire rope was used for the deployment of the updated equipment.
2. Stainless steel wire ropes are used in the applications of popular stainless steel welding rods and a considerable number of stainless steel components, springs, connecting parts, etc.,
3. Stainless steel wire ropes are used for hanging rings and hangers on electrified locomotives and power lines.
4. Nylon nets used in various industries are now replaced by stainless steel wire ropes.
5. Stainless steel wire ropes are also extensively used in railway electrification, decoration industry, rigging industry, fishing gear industry, automobile and motorcycle industry and other industries.





Office: 39, Punit Bhavan, Ground Floor, Sindhi Lane, Mumbai-400004, Maharashtra, India

Ph: +91 8981701204, +91 8879595237

E-mail: info@astralloyindia.com / sales.astralloyindia@gmail.com

Website: www.astralloyindia.com



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