

Stainless Steel Wires





Applications - Stainless Steel Wires

Stainless Steel Spring Wires

Jyoti Steel Industries produces Spring Wires with characteristics like smooth surface, high corrosion resistance, high fatigue strength. Wires are produced with controlled Cast and Helix for uniformity in Spring forming. Spring Wires are suitable for producing various types of Springs like Compression Springs, Extension Springs, Torsion Springs and Wire Forms.

Size	0.80 mm to 6 mm (0.023" to 0.236")
Grades	302, 304, 304H, 316, 1.4310
Finish	Matt, Bright, Stearate Coated, Decoated
Temper	Half Hard, 3/4 Hard, Full Hard
Tolerance	As per ASTM A313 / EN 10270-3
Packing	Coils, Compact Coil



Stainless Steel Cold Heading Wires

Cold Heading wires are suitable for applications like Screw, Bolts, Nuts, Rivets for industries such as Automotive, Household, Aviation & Construction. For Cold Heading Quality wires, Jyoti Steel Industries uses Condat or equivalent surface coating and Stearate lubricant.

Sizes	1 mm to 6 mm (0.040" to 0.787")
Grades	304L, 304HC, 302HQ, 316, 204Cu, 201Cu, 430L
Finish	Annealed or Soap Drawn (Skin Pass)
Temper	Soft, 55kg/mm ² to 75kg/mm ² (depending on Grades, Size and finish)
Tolerance	As per ASTM / EN Standard
Packing	Coil of 250-500 kg



EPQ Wires

EPQ Wires are suitable for making Kitchenware, Basket, Cable Trays and Trolleys with electro-polishing as the final process. Clean, de-greased & Defect free surface results in very lustrous appearance when electro polished.

Sizes	0.80 mm to 6.0 mm (0.040" to 0.315")
Grades	304, 304L, 316, 316L and others
Finish	Bright, de-greased finish suitable for Electro polishing
Temper	Soft, 1/4 Hard
Packing	Coils of 100-500 kgs, Coils on Carriers





Stainless Steel Wires

Jyoti Steel Industries produces excellent quality of Stainless Steel Wire by using the finest raw material, state-of-the-art manufacturing facility and highly skilled manpower.

Thick and Medium Size Wires are produced in various grades, finish, tempers for a variety of applications.

Size	0.80 mm to 6 mm (0.027" to 0.236")
Grades	201, 201Cu, 202, 204Cu, 302, 302HQ, 303, 304, 304L, 308LER, 316, 316L, 316Ti, 316LER, 430L and others.
Finish	Bright Drawn, Bright Shiny, Matt Drawn, Coated, De-coated
Temper	Soft, 1/8 Hard, 1/4 Hard, 1/2 Hard, 3/4 Hard, Full Hard.
Tolerance	As per ASTM / EN standards.

Spoke Wires

Spoke Wire is used for manufacturing of spokes for Bicycles, Motorbikes, Car Wheels and Umbrella. Defect free surface, correct mechanical properties and tight size tolerance provide optimum fatigue properties in finished wire.

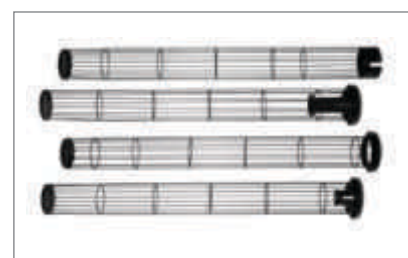
Sizes	1.50 mm to 5.0 mm (0.060" to 0.196")
Grades	302, 304
Finish	Bright
Temper	½ hard, 90-120 Kg/ mm sq
Packing	Coils of 200-500 kg



Filter Cage Wire

Filter cage are used in filtration plants for dust collection. Wires for filter cage are produced with a bright, clean finish.

Sizes	0.80 mm to 5.0 mm (0.078" to 0.196")
Grades	304, 304L, 316, 316L
Finish	Bright, Clean
Temper	Soft, 1/4 hard
Packing	Coils of 200-500 kg

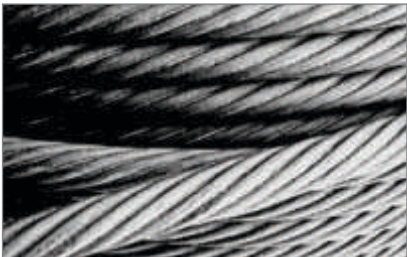




Rope Wire

Jyoti Steel Industries produces rope wires with close tolerances and excellent surface finish for manufacturing wire ropes for various applications like suspension bridges, cranes, elevators etc.

Sizes	0.80 mm to 3.0 mm (0.027" to 0.118")
Grades	302, 304, 316
Finish	Matt, Bright
Temper	3/4 Hard, Full Hard
Packing	Coils



Nail Wires

Jyoti Steel Industries produces nail wires for manufacturing stainless steel nails and collated nails for automotive, household and construction industry.

Sizes	0.8 mm to 6.0 mm (0.031" to 0.236")
Grades	304, 316, 304HC, 302HQ
Finish	Matt, Soap Coated
Temper	Soft, 1/4 Hard
Packing	Coils 200-500 kg



Electrode Core Wires

Jyoti Steel Industries produces Electrode wires with controlled chemical composition for achieving high corrosion resistance and excellent welding characteristics.

Sizes	0.8 mm to 6.0 mm (0.031" to 0.236")
Grades	304LER, 308LER, 316LER and others
Finish	Matt, Soap Coated
Temper	1/4 Hard, 750-900 N/mm sq
Packing	Coils, Cut Length in Wooden Boxes

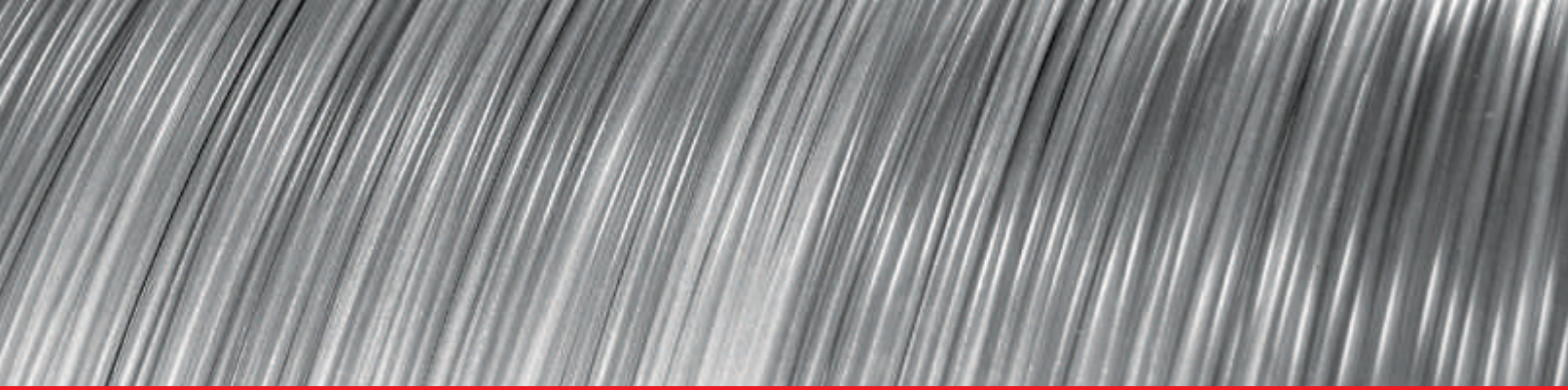


Wall Tie Wires

Stainless Steel Wire is also used in building and construction industry due to its high corrosion resistance and strength. Wall ties are produced from SS wires for restraining brickwork, blockwork and stonework.

Sizes	2.0mm to 5.0mm (0.078" to 0.196")
Grades	302, 304, 316, 316Ti
Finish	Bright, Degreased
Temper	1/4 Hard
Packing	Coils

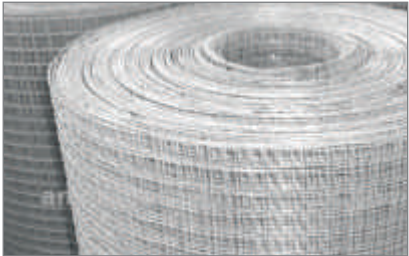




Mesh Wire / Conveyor Belt Wire

Stainless Steel Wire is extensively used in producing wire mesh, welded wire mesh and Conveyor Belts.

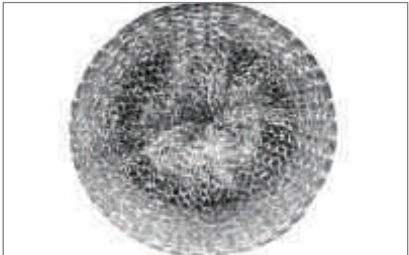
Sizes	0.8 mm to 5.0 mm (0.031" to 0.196")
Grades	302, 304, 314, 316, 316Ti
Finish	Bright, Matt
Temper	Soft, 1/4 Hard
Packing	Coils of 50-500 kg



Scrubber Wires

We produce stainless steel redraw wire for scrubbers. The wires have excellent drawability.

Sizes	0.8 mm (0.031")
Grades	304, 430L
Finish	Matt
Temper	Soft Annealed
Packing	Coils



Re-Draw Wires

We produce stainless steel Re-draw wires for manufacturing Fine Wires for various applications.

Sizes	0.8 mm to 2.0 mm (0.031" to 0.078")
Grades	304, 304L, 316, 316L, 430L
Finish	Bright, Matt
Temper	Soft Annealed
Packing	Coils



Packaging

Stainless steel wires are packaged in various forms.

COILS

Stainless Steel Wire in coils are wrapped in plastic film or HDPE.

COMPACT COILS

Higher coil weights can be supplied in Compact coils with core inside.

TUBULAR CARRIERS

Coils can also be shipped on MS tubular carriers with single or 2-3 coils together.

WOODEN PALETTES / WOODEN BOXES

Coils, Compact Coils, Wooden and Metal Spools, Cores, Drums all can be supplied on wooden pellets for easy handling and unloading. Wooden Boxes with MS support are also provided for extra protection.



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