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50
years
experience



GÜNEŞ TEL ÇEKME
SANAYİ VE TİCARET A.Ş.
Wire

www.gunestel.com



ISO 45001:2018



ISO 14001:2015



ISO 9001:2015

ABOUT US



Since its foundation date, it has become one of the leading producers of Türkiye by aiming to be on the top regarding quality and customer satisfaction.

"GUNES TEL", one of the dynamic brands of the sector, is one of the leading companies of our country offering service in the sector of wire products and semi-finished products, mainly cold drawn bright wires. The production facilities of the company, whose head office and factory are located in Istanbul, are nearly 38 km away from Istanbul city centre and Istanbul new airport, which is advantageous in logistical terms, 26 km away from the biggest seaport and 30 km away from the container port. The facilities situated on an area of totally 30.000 m² that, 20.000 m² of which is indoors, in Arnavutköy, Hadımköy, are on the way to the international E-5 and TEM Highway, which crosses Türkiye from one end to the other.

GUNES TEL has annual forging capacity of 50.000 tons and has over 100 workers. All the employees have the same target: "To be the best producer in Türkiye, not a casual one".

GUNES TEL has been exporting the products more than 40 countries in all over the World, especially to Europe, Middle East and South America, North America and etc.

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Wire In Coils

BRIGHT DRAWN STEEL WIRE

For Chrome Plating Quality

Gunes Tel bright drawn wire products are manufactured with bright and clean surfaces for better coating of chromium, nickel, PVC, painting etc. and other coating applications according to customer requirements. Typical Applications: 3D bending wire, cold forming wire.



MATERIAL	Low carbon steel wires
PRODUCT STANDARDS	TS EN 10218
RAW MATERIAL STANDARDS	TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018)
QUALITY	Drawn industrial wires meet the requirements of EN 10016-1, EN 10016-2, EN 10016-3 and EN 10016-4, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
COLD DRAWING	Processed on iron and steel based products
WIRE DIAMETER Ø	1.50 mm – 24.00 mm
COIL WEIGHT	100 kg – 2000 kg
TENSILE STRENGTH/ CLASS N/mm ²	500 – 1050
SUITABLE FOR	Welding, folding and slitting for finishing such as chroming, galvanizing, plasticising, painting
APPLICATIONS	Household production, articles for automotive industry, refrigerator and shelves, promotional display units, grills for domestic appliances...etc.

Wire In Coils

COLD DRAWN WIRE

For Painting Quality

Cold drawn steel wires having a diameter ranging between 1.50 mm to 24.00 mm are drawn in European wire drawing machines with 5 and 9 lines at a rate of



MATERIAL	Low carbon and high carbon steel wires
PRODUCT STANDARDS	TS EN 10218
RAW MATERIAL STANDARDS	TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018)
QUALITY	According to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
COLD DRAWING	Processed on iron and steel based products
WIRE DIAMETER Ø	1.50 mm - 24.00 mm
COIL WEIGHT	50 kg - 2000 kg
TENSILE STRENGTH/ CLASS N/mm ²	500 - 1050
SUITABLE FOR	Welding, folding and slitting for finishing such as galvanizing, plasticising ,painting, zinc coating
APPLICATIONS	Household production, articles for automotive industry, refrigerator and shelves, promotional display units, grills for domestic appliances...etc.

INDUSTRIAL SPRING WIRE

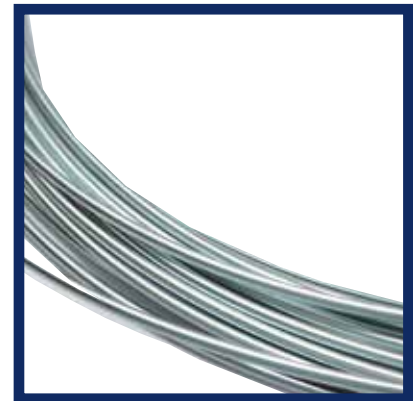
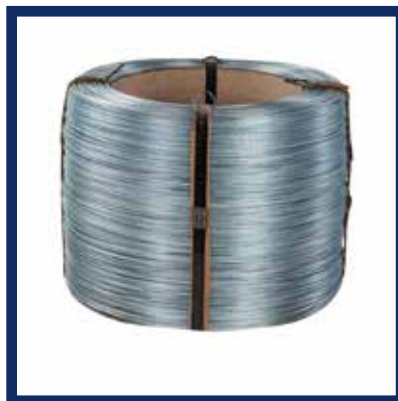
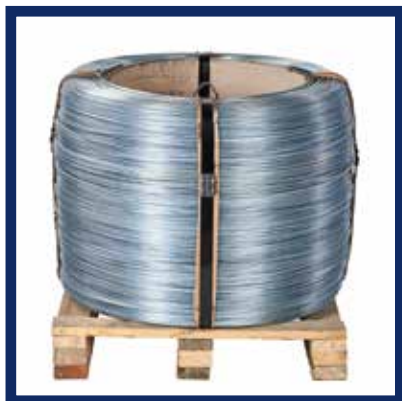
Industrial spring wires are used in the production of static or dynamic springs. They are produced to be used in white goods, automotive and machinery industry. High strength and long service life are the most important reasons for our products preferences. Also surfaces of the wire can be covered electro galvanised, copper coated or phosphated.



MATERIAL	High Carbon Wires
PRODUCT STANDARDS	TS 2500 EN 10270 - 1
RAW MATERIAL STANDARDS	TS 2348 EN 10016
QUALITY	Processed on iron and steel based products
COLD DRAWING	Processed on iron and steel based products
WIRE DIAMETER Ø	1.50 mm - 12 .00 mm
COIL WEIGHT	100 kg - 2000 kg
PACKING	In coils or with cardboard core
TENSILE STRENGTH/ CLASS N/mm2	SL (A), SM (B), DM (B)
SUITABLE FOR	Electrogalvanised, phosphated, copper coated
APPLICATIONS	Manufacturing Industry, Spring producers as mattress spring, compression spring, mechanical spring, wire forms, core of controlling cable, connecting wire, hard needle
LOW TENSILE STRENGTH/ CLASS	SL
MEDIUM TENSILE STRENGTH/ CLASS	SM - DM
D Cold-rolled, SL, SM, DM Spring Steel Wires are manufactured with ISO 9001:2015 Quality Assurance System. All products produced according to the EN 10270-1 norm, we are the preferred company especially for automotive industry.	

ELECTROGALVANIZE COATED STEEL WIRE

Plastic Buckets, armour underground cables, wires cleaners, highway wires, wire mesh, stitching, wires staples, paper clips hanger, wires spiral notebook...
Are the main used areas.



MATERIAL	It is produced by an electrolytic method of coating of zinc ions on the surfaces of the low and high carbon wires. The zinc coating is very small (10-20 g/m ²) compared to hot-dip galvanized wires. It has shorter service life, but has more bright surface quality.		
PRODUCT STANDARDS	TS EN 10244, BS 443, DIN 1548		
RAW MATERIAL STANDARDS	TS-2348-EN 10016-S AE 1006, SAE 1008, SAE 1010, SAE 1018, SAE 1030, SAE 1045, SAE 1060 etc.		
WIRE DIAMETER Ø	3.00 mm - 10.00 mm 100 - 3000 mm		
COIL WEIGHT	500-1000		
COATING WEIGHT gr/m ²	3μ (21gr/m ²) max 12μ (85gr/m ²)		
COATING TYPE	Electro galvanised		
TENSILE STRENGTH N/mm ²	350-1800		
APPLICATIONS	Bucket handle, mesh wire, pvc coated wire production, underground cable armor wires, Snoring cleaners, highway wires, wire mesh, stitching wires, staples, paper clips hanger wire, spiral notebook and other applications: * production of fencing panels * production of slings for suspended elements (ceilings from plasterboards)		

COPPER COATED STEEL WIRE

Low carbon copper plated wires preferred in manufacturing of bound wires, staples, paper clips in packaging and printing industries as well as bailing wires in agriculture industry are also produced.



MATERIAL	Low carbon steel wires chemically copper coated
PRODUCT STANDARDS	TS EN 10244-6
RAW MATERIAL STANDARDS	TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018, SG 1, SG 2)
QUALITY	According to DIN EN 10016, 10216, 10217
WIRE DIAMETER Ø	1.50 mm to 8.00 mm
COIL WEIGHT	20 kg to 300 kg
TENSILE STRENGTH N/mm ²	As per client's requirements
COATING WEIGHT gr/m ²	TS EN 10244-6
APPLICATIONS	Staple wires, paper pins and clips, binding wires, packing and printing industries, etc.
PACKAGING	In coils or with cardboard core
OTHER APPLICATIONS	Production of paint hangers and various types of powder coat paint hook, production of bent and welded wire elements for furniture, store building and household, production of window blinds details, production of wire baskets for welding wires.

VARIOUS PACKING BRIGHT TIE WIRE

Gunes Tel is producing low carbon annealed binding wires that have various usage areas in the packaging of products made of materials such as paper, textile...etc.



MATERIAL	Low carbon annealed steel wires
PRODUCT STANDARDS	TS EN 10218
QUALITY	Annealed, Phosphated, Bathed according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
WIRE DIAMETER Ø	1.50 mm to 5.00 mm
COIL WEIGHT (kg)	100-1000
TENSILE STRENGTH Kg/mm ²	28 kg/mm ² - 40 kg/mm ²
PACKAGING	Vertical/Horizontal Coils or Big Bag
APPLICATIONS	Printing industry, waste treatment facilities and packaging industry, hot dip galvanising of metals... etc.

Wire In Coils

COLD HEADING WIRES / ANNEALED PHOSPHATED SCREW WIRE

Gunes Tel is one of the leading companies in production of Annealed & Intermediate Annealed Phosphated (K+G+K / +U +C +AC), Phosphated wire in coils, direct drawn - (+U +C) used in screw and bolt manufacturing industry .



MATERIAL	Low high carbon annealed steel wires
PRODUCT STANDARDS	TS EN 10218
RAW MATERIAL STANDARDS	TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018)
QUALITY	Annealed,phosphated,bathed according to din EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
ANNEALING	Black annealed or if requested bright annealed using N2 wiping system
ANNEALING PROCESS	under closed and controlled atmosphere with the technologies of vacuum
WIRE DIAMETER Ø	1.50 - 22.00 mm
COIL WEIGHT	20 kg - 1000 kg
TENSILE STRENGHT	28 kg/mm2 - 40 kg/mm2
PACKAGING	Vertical/Horizontal Coils or Big Bag
APPLICATIONS	Screw, bolt, nut manufacturing industry, tie wire on construction, christmas tree, net, binding, bailing, re-drawing, flatting, heat treatment sector...etc.

COLD HEADING WIRES / ANNEALED PHOSPHATED SCREW WIRE

COLD HEADING WIRE QUALITIES

Steel Name	Steel No.	C	Si	Mn	P max.	S max.	Al
C4C	1.0303	0.02/0.06	0.10 max	0.25/0.40	0.020	0.025	0.20/0.60
C10C	1.0214	0.08/0.12	0.10 max	0.30/0.50	0.020	0.025	0.20/0.60
C15C	1.0234	0.13/0.17	0.10 max	0.35/0.60	0.025	0.025	0.20/0.60
8MnSi7	1.5113	0.10 max.	0.90/1.10	1.60/1.80	0.025	0.025	

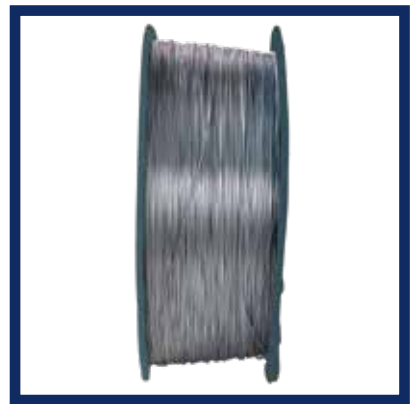
Steel Name	Steel No.	C	Si	Mn	P max.	S max.	Cr	Al	B ppm
17B2	1.5502	0.15/0.20	0.10 max	0.60/0.90	0.025	0.025	0.30 max.	0.020/0.060	8-50
20MnB4	1.5525	0.18/0.23	0.10 max	0.90/1.20	0.025	0.025	0.30 max.	0.020/0.060	8-50
23MnB4	1.5535	0.20/0.25	0.10 max	0.90/1.20	0.025	0.025	0.30 max.	0.020/0.060	8-50
30MnB4	1.5526	0.27/0.32	0.10 max.	0.80/1.10	0.025	0.025	0.30 max.	0.020/0.060	8-50

Steel Name	Steel No.	C	Si	Mn	P max.	S	Cr	Al
37Cr4	1.7034	0.34/0.41	0.10 max	0.60/0.90	0.025	0.025 max.	0.90/1.20	0.020/0.060
41Cr4	1.7035	0.38/0.45	0.10 max	0.60/0.90	0.025	0.025 max.	0.90/1.20	0.020/0.060

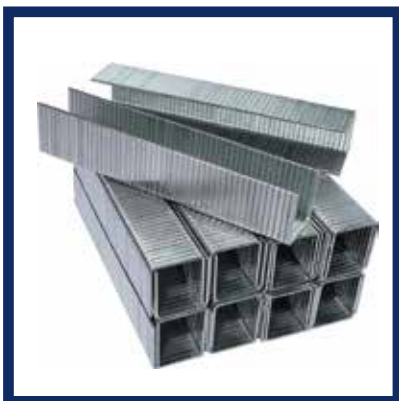


THINNER DIAMETER GALVANIZE COATED WIRE

Gunes Tel has started to produce paper clip wire. It is a product of thinner diameter of galvanize coated wire production.



AREA OF USAGE	Industrial Staples, Office Staples
SURFACE	Electro-Galvanised, Copper Coated
MATERIAL	SAE 1006, SAE 1008, SAE 1018 (on large orders)
DIAMETER Ø	0,70 mm - 1,80 mm (mainly used)
PACKAGING	Coils, Wooden Spools, Other Types On Inquiry



Wire In Coils

THINNER DIAMETER COPPER COATED WIRE

Gunes Tel has started to produce paper clip wire. It is a product of thinner diameter of copper coated wire production.



AREA OF USAGE	Industrial Staples, Office Staples
SURFACE	Electro-Galvanised, Copper Coated
MATERIAL	SAE 1006, SAE 1008, SAE 1018 (on large orders)
DIAMETER Ø	0,70 mm - 1,80 mm (mainly used)
PACKAGING	Coils, Wooden Spools, Other Types On Inquiry



OILED BAILING WIRE

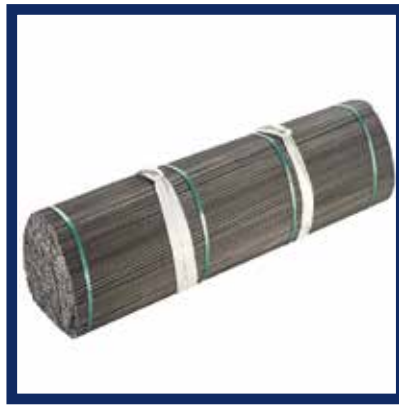
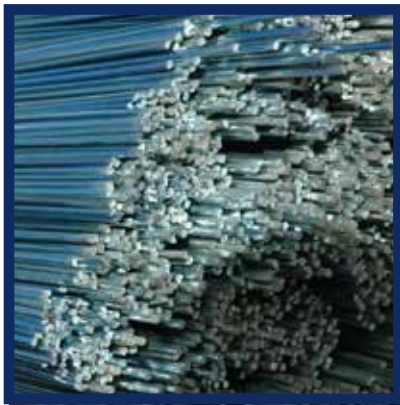
Gunes Tel is trading oiled bailing wires. Oiled Bailing wires are covered with a layer of special lubricant oil. This wire has a layer scrolling feature and it is capable of protecting against corrosion. The most common applications are recycling industry, paper, cardboard, plastic, nylon, metal and agricultural waste materials. It is simply coated with oil against rust and stain, especially for textile products. The product is available on either parallel-wound spools or cross-wound spools according to the use of area and customer requirements.



MATERIAL	High carbon steel wire		
RAW MATERIAL STANDARDS	TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018)		
PRODUCT STANDARDS	TS EN 10218		
QUALITY	Annealed		
ANNEALING	Bright annealed using n2 wiping system		
WIRE DIAMETER Ø	1.50 mm to 4.00 mm		
WEIGHT	20 kg to 600 kg		
TENSILE STRENGTH	Max. 430		
PACKING	In coils		
APPLICATIONS	Agriculture, Textile		

STRAIGHTENED AND CUT TO LENGHT BRIGHT STEEL WIRE BARS & RODS

In addition to cold wire coil drawing, straightening and cutting lines in various sizes are also available in the facilities of GUNES TEL (40 units of cut-to-length wire machine) (for lengths from 40 mm to 4000 mm).



MATERIAL	Low carbon and high carbon steel wires, annealed steel wires, galvanized steel wires, bright steel wires, hot dip galvanized wires, copper coated steel wires
PRODUCT STANDARDS	TS 5287-2 EN10263-2
RAW MATERIAL STANDARDS	TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018)
QUALITY	Annealed, phosphated, galvanized, stainless, black according to DIN EN 10016, 10216, 10217
CUTTING PROCESS	Cold drawn wire straightened and cut to desired lenghts
WIRE DIAMETER Ø	1,50 mm – 14,00 mm
LENGHT	30 mm to 4500 mm (for 6000 mm please ask)
TENSILE STRENGTH N/mm2	Min. 500
PACKING WEIGHT	20 kg to 1000 kg
PACKING	In bundles by count or by weight/ bunches
APPLICATIONS	Construction, textile, electrical & electronics, animal breeding for galvanised cut to lenght steel bars- automotive industry, furniture accessories,shelves and stands, suspended ceilings, pet cages...etc. Other Applications : * production of reinforcement mats and fencing panels * production of bent and welded wire elements for furniture, store building and household equipment * production of bars, container baskets, safety bars * production of decorative wire elements e.g : flower beds, chandeliers, lamps, garden furniture

ANNEALED CUT TO LENGTHS WIRE BARS & RODS

Annealed cut to length wires, which are produced in desired lengths and as per requested specifications, provide practical solutions to many customers in construction, packaging and printing industries. The product is suitable to be used for various tying applications due to our special annealing process which provides excellent flexibility and softness. It is manufactured through straightening of cold drawn wire and cutting of the straightened wire in various lengths after they are annealed. The product is used in the process of dipping materials in zinc pools at facilities where galvanization is performed through dipping.

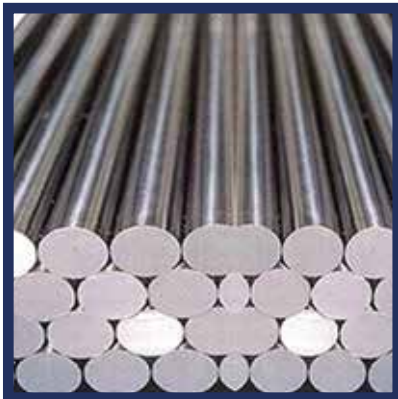


MATERIAL	Low carbon and high carbon annealed steel wires
PRODUCT STANDARDS	TS 5287-2 EN10263-2
RAW MATERIAL STANDARDS	TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018)
QUALITY	Annealed steel wires according to DIN EN 10016, 10216, 10217, 17223
WIRE DIAMETER Ø	2.00 - 10.00 mm
LENGHT	500 mm to 6000 mm
TENSILE STRENGHT N/mm2	Min 430
PACKING WEIGHT	20 kg to 1000 kg
PACKING	In bundles of 100 - 200 (Paletized) Pallet : 1,000 kg * 3,000 kg
APPLICATIONS	Construction, the product is used in the process of dipping materials in zinc pools.

Bars / Rods

EXTRA BRIGHT SURFACE – POLISHED GRINDED AND SANDED WIRE BARS & RODS

The wires cut to various lengths are polished and grinded with excellent surface quality for chrome plating in wire grinding and polishing department in accordance with the sector in which they shall be used.



MATERIAL	Low carbon and high carbon steel wires		
PRODUCT STANDARDS	TS 5287-2 EN10263-2		
RAW MATERIAL STANDARDS	TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018)		
QUALITY	Bright steel wires according to DIN EN 10016, 10216, 10217, 17223		
WIRE DIAMETER Ø	5.00 mm to 14.00 mm		
LENGHT	500 mm to 6000 mm		
TENSILE STRENGHT	As per client's requirements		
PACKING WEIGHT	20 kg to 1000 kg		
PACKING	In bundles by count or by weight/ bunches		
APPLICATIONS	Automotive industry, furniture accessories...etc.		

Wire Flattening

FLAT WIRE IN COILS & BARS

Gunes Tel offers a variety of products that include the following features: square flat wire, flat wire, half round wire (D profile), diagonal flat wire, triangular profile, hexagonal allen wrench, pentagonal profile, knurled flat wire, etc. These products can be cut to various lengths ranging from 50 mm to 6000 mm depending on request. These types of products are used in manufacturing of furniture and decoration items, stands, various metal accessories, ironing boards, hand tool, automotive and spring manufacturing industries.

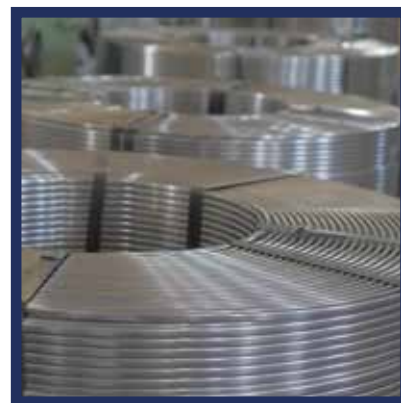
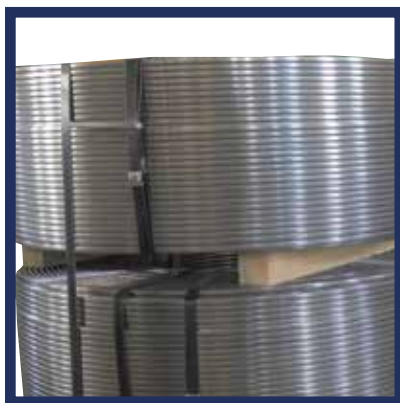
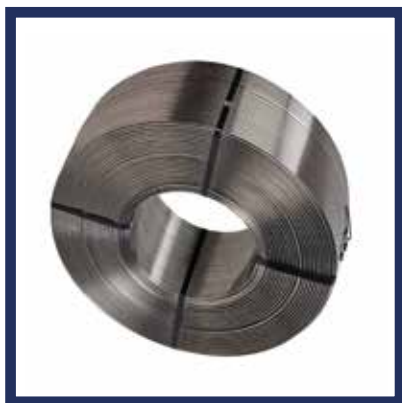


MATERIAL	Low carbon and high carbon steel wires, stainless steel wires
QUALITY	Bright, annealed according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
WIRE DIAMETER Ø	Dimensional range strenght:(thickness:1.50-15.00mm)*(width: 4.00 - 20.00 mm), further dimensions are available on request
LENGHT RANGE	100 mm- 3000 mm
TOLERANCES	The strenght and width tolerance depends on the desired dimension and the corner format, specification at customer's options or by agreement
CORNERS	Naturally rolled corners, rounded corners, rectangularly rolled sharp corners, specification of the corner radius
TENSILE STRENGHT	Depending on material the delivery is possible in different strenght ranges e.g.spring steel- according to en 10270-1, 10270-3/ e.g.stainless steel-spring-hard or rm > 1250 n/mm2/ e.g. c 75 s-annealed and lightly plained
SURFACE	Depending on the material the following surfaces are available: bright, coated, phosphated, zinc coated.
PACKING	The delivery format can be chosen between "coils' and "cut to lenght bars"
PACKING WEIGHT	25 kg to 1000 kg
APPLICATIONS	Kitchen accessories, furniture accessories, domestic appliances,etc.

Wire Flattening

FLAT WIRE FOR ESPAGNOLETTE & FLAT WIRE FOR PAN SUPPORT & TOP OVEN GRIDS (ENAMILING WIRE QUALITY)

Gunes Tel has various production lines with different options to its customers. Such as lots of cold formed and flattened steel wires like square flat wire, flat wire, half round wire (D profile), diagonal flat wire, triangular profile, hexagonal allen wrench, pentagonal profile, knurled flat wire, etc. can also be produced. These products can be cut to various lengths ranging from 50 mm to 4000 mm depending on request. These types of products are used in manufacturing of furniture and decoration items, stands, various metal accessories, ironing boards, automobile keys and allen wrenches.



MATERIAL	Low carbon and high carbon steel wires, stainless steel wires
QUALITY	Bright, annealed according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
WIRE DIAMETER Ø	(dimensional range strenght : 1.50 - 15.00 mm) * (width: 4.00 - 20.00 mm)
LENGHT RANGE	100 mm- 3000 mm
TOLERANCES	The strenght and width tolerance depends on the desired dimension and the corner format,specification at customer's options or by agreement
CORNERS	Naturally rolled corners, rounded corners, rectangularly rooled sharp corners, specification of the corner radius
TENSILE STRENGHT	Depending on material the delivery is possible in different strenght ranges e.g.Spring according to EN 10270-1, 10270-3 e.g.Stainless steel-spring-hard or Rm > 1250 N/MM2 / e.g. C 75 S- Annealed and lightly plained
SURFACE	Depending on the material the following surfaces are available: Bright, coated, phosphated, zinc coated...
PACKING	The delivery format can be chosen between "coils" and "cut lenght bars"
PACKING WEIGHT	25 kg to 1000 kg
APPLICATIONS	Kitchen accessories, furniture accessories, domestic appliances...etc.

HALF – ROUND WIRE PROFILE

Gunes Tel has various production lines with different options to its customers. Such as cold formed and flatted steel wires like square flat wire, flat wire, half round wire (D profile), diagonal flat wire, triangular profile, hexagonal allen wrench, pentagonal profile, knurled flat wire, etc. can also be produced. These products can be cut to various lengths ranging from 50 mm to 4000 mm depending on request. These types of products are used in manufacturing of furniture and decoration items, stands, various metal accessories, ironing boards, automobile keys and allen wrenches.



MATERIAL	Low carbon and high carbon steel wires, stainless steel wires
QUALITY	Annealed according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
WIRE DIAMETER Ø	Dimensional range strenght : (Thickness: 2,70 - 3,90 mm) (Width: 5,50 -11,00 mm), furter dimensions are available on request.
LENGHT RANGE	100 mm- 3000 mm
TOLERANCES	The strenght and width tolerance depends on the desired dimension and the corner format specifications at customers options or by agreement.
CORNERS	Naturally rolled corners, rounded corners,according to drawing sharp corners, specification of the corner radius
TENSILE STRENGHT	Depending on material the delivery is possible in different strenght ranges
SURFACE	Depending on the material the following surfaces are available: Bright, coated, phosphated, zinc coated, galvanized, etc.
PACKING	The delivery format can be chosen between "coils" and "cut lenght bars"
PACKING WEIGHT	25 - 1000 kg
APPLICATIONS	Accessories for lighting products, households articles, otomotive industry,etc.

HEXAGONAL WIRE PROFILE

Gunes Tel has various production lines with different options to its customers. Such as cold formed and flatted steel wires like square flat wire, flat wire, half round wire (D profile), diagonal flat wire, triangular profile, hexagonal allen wrench, pentagonal profile, knurled flat wire, etc. can also be produced. These products can be cut to various lengths ranging from 50 mm to 4000 mm depending on request. These types of products are used in manufacturing of furniture and decoration items, stands, various metal accessories, ironing boards, automobile keys and allen wrenches.



MATERIAL	Low carbon and high carbon steel wires, stainless steel wires
QUALITY	Bright, annealed according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
WIRE DIAMETER Ø	4,00 mm to 8,00 mm
LENGHT RANGE	100 mm- 3000 mm
TOLERANCES	The strenght and width tolerance depends on the desired dimension and the corner format specifications at customers options or by agreement
CORNERS	Naturally rolled corners, rounded corners,according to drawing sharp corners, specification of the corner radius
TENSILE STRENGHT	Depending on material the delivery is possible in different strenght ranges
SURFACE	Depending on the material the following surfaces are available: Bright, coated, phosphated, zinc coated, galvanized,etc.
PACKING	The delivery format can be chosen between "coils" and "cut lenght bars"
PACKING WEIGHT	25 - 1000 kg
APPLICATIONS	Curtains and jalousie d miles, key and lock apparatus, metal nets' meshes,etc.

SQUARE FLAT WIRE

Gunes Tel has various production lines with different options to its customers. Such as cold formed and flatted steel wires like square flat wire, flat wire, half round wire (D profile), diagonal flat wire, triangular profile, hexagonal allen wrench, pentagonal profile, knurled flat wire, etc. can also be produced. These products can be cut to various lengths ranging from 50 mm to 4000 mm depending on request. These types of products are used in manufacturing of furniture and decoration items, stands, various metal accessories, ironing boards, automobile keys and allen wrenches.



MATERIAL	Low carbon and high carbon steel wires, stainless steel wires
QUALITY	Annealed according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
WIRE DIAMETER Ø	2,50 x 2,50 mm to 10,00 x 10,00 mm
LENGHT RANGE	100 mm- 3000 mm
TOLERANCES	The strenght and widht tolerance depends on the desired dimension and the corner format, specification at customer's options or by agreement
CORNERS	Naturally rolled corners, rounded corners, according to drawing sharp corners, specification of the corner radius
TENSILE STRENGHT	Depending on material the delivery is possible in different strenght ranges
SURFACE	Depending on the material the following surfaces are available: Bright, coated, phosphated, zinc coated, galvanized,etc.
PACKING	The delivery format can be chosen between "coils" and "cut lenght bars"
PACKING WEIGHT	25 - 1000 kg
APPLICATIONS	Accessories for lighting products, households articles, automotive industry,etc.

PENTAGONAL, TRIANGULAR AND SPECIAL PROFILES FLAT WIRE

Gunes Tel has various production lines with different options to its customers such as steel wires like square flat wire, flat wire, half round wire (D profile), diagonal flat wire, triangular profile, hexagonal allen wrench, pentagonal profile, knurled flat wire, etc. can also be produced. These products can be cut to various lengths ranging from 50 mm to 4000 mm depending on request. These types of products are used in manufacturing of furniture and decoration items, stands, various metal accessories, ironing boards, automobile keys and allen wrenches.



MATERIAL	Low carbon and high carbon steel wires, stainless steel wires
QUALITY	Annealed according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
MEASUREMENTS Ø	Depending on customer preferences
LENGHT RANGE	100 mm- 3000 mm
TOLERANCES	The strenght and widht tolerance depends on the desired dimension and the corner format, specification at customer's options or by agreement
CORNERS	Naturally rolled corners, rounded corners, according to drawing sharp corners, specification of the corner radius
TENSILE STRENGHT	Depending on material the delivery is possible in different strenght ranges
SURFACE	Depending on the material the following surfaces are available: Bright, coated, phosphated, zinc coated, galvanized,etc.
PACKING	The delivery format can be chosen between "coils" and "cut lenght bars"
PACKING WEIGHT	25 kg to 1000 kg
APPLICATIONS	Accessories for lighting products, households articles, automotive industry,etc.

U BOLT – V BOLT



QUALITY	It is a suspension element that is used in sliding systems (horizontally and vertically).
SURFACE	It is coated with 8- 12 zinc against corrosion.
SUITABLE FOR	It is appropriate for industrial usage.

CODE NO	SIZE INCH	CLAMPING DISTANCE	L min.-max.	T min.-max.	C min.-max.	NUT
GUK 20	1/2"	21,3 MM	25-150	10-75	20-100	M6
GUK 26	3/4"	26,9 MM	25-150	10-75	20-100	M6
GUK 32	1"	33,7 MM	25-140	10-75	25-100	M8
GUK 40	1 1/4"	42,4 MM	25-140	10-75	25-100	M8
GUK 48	1 1/2"	48,3 MM	25-140	10-75	25-100	M8
GUK 59	2"	60,3 MM	25-140	12-75	30-100	M10
GUK 74	2 1/2"	76,1 MM	25-140	12-75	30-100	M10

ROD- THREADED RODS

Studs, Suspension systems, Connection Elements. The Steel Constructions. The "Full Drive", "Partial Gear," or "two-Probe Drive" threaded ST 37 - ST 42 - ST 52 - SAE 1008 - SAE 1010 - SAE 4140 - SAE 5140 qualities are produced, Stainless Steel (INOX) AISI 304-316 are produced as quality. 8-10 micron "Electro-galvanized" and/or "Dacromet" coating maintained.



ALL STANDARDS
(TSE-DIN-ES-ISO-ANSI-IFI-ASTM)

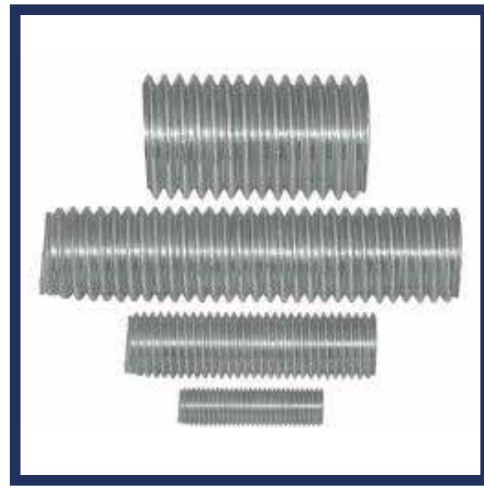
ALL DIAMETERS AND LENGHTS
1/4, 4 1/2, & M6 M30)

ALL QUALITIES
4.6- 5.8-8.8-10.9-12.9-B7- B16-
B6-B8-Gr2H-Gr7-Gr6-Gr8)



MEASUREMENT (mm)	M	L	L
6 x 1000	M6	1000	1000
8 x 1000	M8	1000	2000
10 x 1000	M10	1000	2000
12 x 1000	M12	1000	2000
14 x 1000	M14	1000	2000
16 x 1000	M16	1000	2000
18 x 1000	M18	1000	2000
20 x 1000	M20	1000	2000
22 x 1000	M22	1000	2000
24 x 1000	M24	1000	2000
27 x 1000	M27	1000	2000
30 x 1000	M30	1000	2000

WHITWORTH THREADED RODS / TWO SIDE GEAR



WIRE DIAMETER (mm)	L
1/4 x 1000	1000
5/16 x 1000	1000
3/8 x 1000	1000
7/16 x 1000	1000
1/2 x 1000	1000
5/8 x 1000	1000
3/4 x 1000	1000
7/8 x 1000	1000
1" x 1000	1000
1 1/4 x 1000	1000
2" x 1000	1000

M	M	M	M	M
M6X40	M8X50	M10X40	M12X50	M16X70
M6X50	M8X60	M10X50	M12X60	M16X70
M6X60	M8X70	M10X60	M12X70	M16X89
M6X70	M8X80	M10X70	M12X80	M16X90
M6X80	M8X90	M10X80	M12X100	M16X100
M6X90	M8X100	M10X90	M12X120	M16X120
M6X100	M8X120	M10X100	M12X150	M16X150
M6X40	M8X130	M10X110		M16X200
		M10X120		M16X300
		M10X130		
		M10X150		

OTHER SPECIAL TYPES OF FASTENERS



HALF THREADED

d	M6	M6	M10	M12	M16	M20	M24	M30	M36	M42	M48
b	35	40	45	55	65	75	85	105	125	145	165
e	11,5	15	19,6	21,9	27,7	34,6	41,6	53,1	63,5	75	86,5
L	130	140	150	170	190	210	230	270	310	350	390
m	5	6,5	8	10	13	16	19	24	29	32	38
s	10	13	17	19	24	30	36	46	55	65	75
	26	49,2	83,5	135	273	473	745	1370	2280	3510	5110
	28,3	54	94,4	151	304	533	848	1590	2650	4080	6040

ANCHOR-ANCHOR RODS – TIGHTENERS

Concrete anchorage bolts-M4-M30

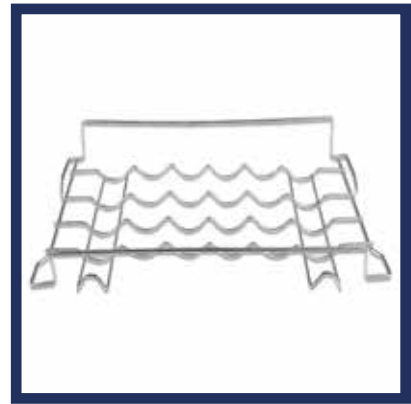
	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56
	20	24	30	40	50	60	75	90	105	120	140
A,B,C	24	30	36	48	60	75	95	115	135	155	180
A	45	55	65	85	105	125	155	190	220	250	290
C	12	15	18	24	30	36	45	54	63	72	84
A	30	38	45	60	75	90	115	135	155	180	210
B	-	-	-	45	55	70	90	110	125	140	165
C	5	7	8	11	14	18	24	30	34	40	45

A) Mechanical Properties
ISO Norm ISO 898-1 / Norm BS
ISO 898-1
Norm ASTM ASTM A193 / A193,
ASTM A 307, ASTM A 320 / A
320M, ASTM F 1554

B) Dimensional Properties
DIN Standards DIN 975, DIN 976
/ Norm ASTM ASTM F 1554

WELDED WIRE ASSEMBLIES

Special jigs and fixtures hold the wire component parts in place during welding. The selection of the proper material classifications; tolerances, surface finish, wire size, bend radius and the "finishing of wire products is of utmost importance" prior to starting a new wire design.



MATERIAL	Steel, stainless, aluminum	
WIRE DIAMETER	2.00-24.00 mm	
SURFACE	Zinc, nickel, nickel chrome, nylon and powder coated	
PRODUCTION VOLUME	Prototype, short run, long run	
INVENTORY MANAGEMENT	Blanket orders, jit shipping	
TYPICAL LEAD TIME	Quoted on a job by, job basis, next day service available, depending on	
INDUSTRY FOCUS	Food service, transportation, construction, medical, lighting, telecom	
WIRE FORM PRODUCTS	Brackets, enclosures, baskets, racks, handling equipment	
FILE FORMATS	PDF (Preferred), STEP, AutoCAD (DWG), solidworks, solidedge	

CNC Wire Welding

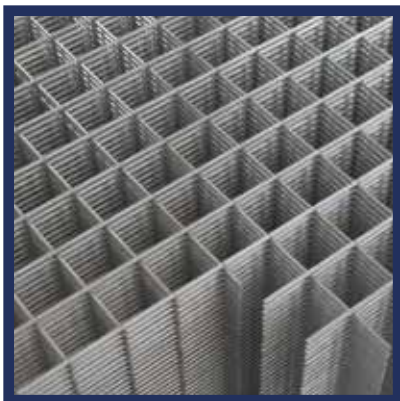
3D & 2D BENDED AND CNC BENDED STEEL WIRES

Gunes Tel is able to shape steel wire in unlimited forms with 2 and 3 dimensions and provides convenience for many sectors like automotive, furniture, lighting, shelf stand, store decoration, kitchen and bathroom accessories, construction, chain production... etc.



MATERIAL	Low carbon and high carbon steel wires, stainless steel wires, electro galvanised and copper coated steel wires
QUALITY	Bright according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
SHAPING	According to the customer's technical drawings
WIRE DIAMETER (Ø)	2.00 mm to 24.00 mm
PACKING	Pending on the bended products measurements and dimensions, on pallets, in wooden boxes
TENSILE STRENGTH	As per client's requirements
IMPLEMENTATIONS ON BENDED WIRES	Chamfering, thread cutting, welding for mat, pneumatic butt welding
SUITABLE FOR	customers who have not CNC bending technology
APPLICATIONS	For various purposes including

Our customers are able to find spot welded wire meshes having a diameter from 2.00 mm to 12.00 mm in sizes ranging from 250 mm to 2500 mm width made up of mild steel, stainless steel, electro galvanized steel wire and hot dip galvanized wire.

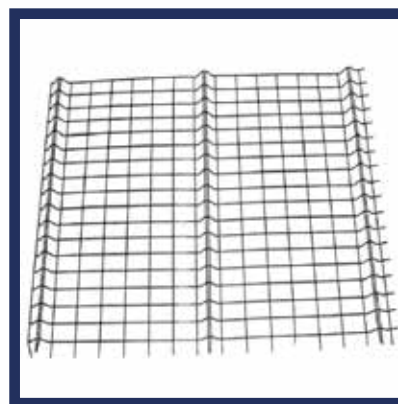
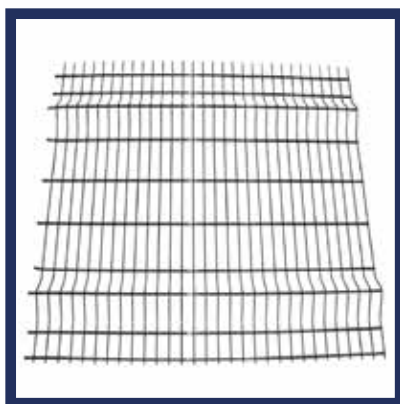


MATERIAL	Low Carbon And High Carbon Steel
QUALITY	Wires, Stainless Steel Wires, Hot Dip Galvanized Wires
	Bright, Annealed according to DIN EN 10016, 10216, 10217, 17223, 10025, 10263-2, 10263-3, 10263-4
WIRE DIAMETER (Ø)	2.00 mm to 8.00 mm
HEIGHT / WIDTH	200*200 mm - 2000*2500 mm
MESH SIZE (MIN.)	30*30 mm
APPLICATIONS	Medicine, reinforcement, aviation ventilation, machine protection, animals architecture, chemistry industry

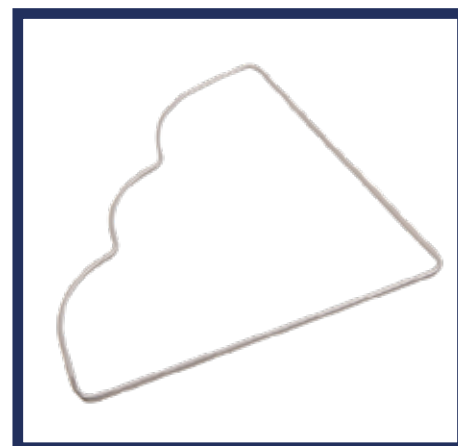
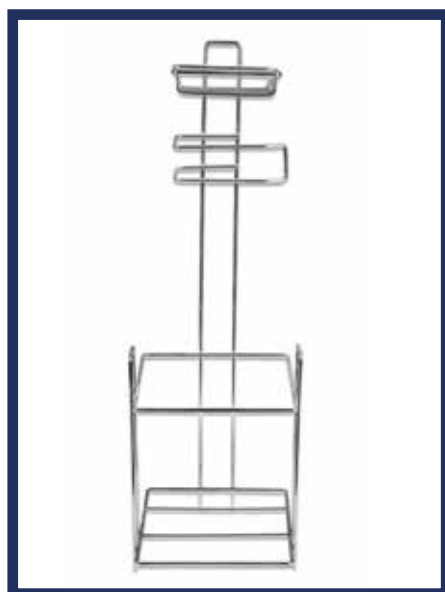
SPACES	WIDTH	LENGHT	WIRE DIAMETER
20 x 15	80 - 100 - 1250	2000 - 2500	2 - 2,5 - 3
20 x 20	80 - 100 - 1250	2000 - 2500	2 - 2,5 - 3
25 x 25	80 - 100 - 1250	2000 - 2500	2 - 2,5 - 3
30 x 30	80 - 100 - 1250	2000 - 2500	2 - 2,5 - 3
40 x 20	80 - 100 - 1250	2000 - 2500	2 - 2,5 - 3
40 x 40	80 - 100 - 1250	2000 - 2500	3 - 4 - 5
50 x 25	80 - 100 - 1250	2000 - 2500	3 - 4 - 5
50 x 50	80 - 100 - 1250	2000 - 2500	3 - 4 - 5 - 6
80 x 40	80 - 100 - 1250	2000 - 2500	3 - 4 - 5 - 6
100 x 50	80 - 100 - 1250	2000 - 2500	3 - 4 - 5 - 6 - 8

DECORATIVE WELDED WIRE MESH

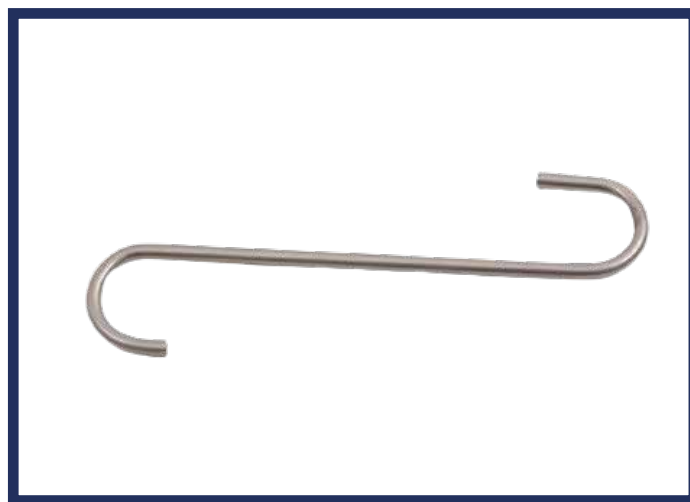
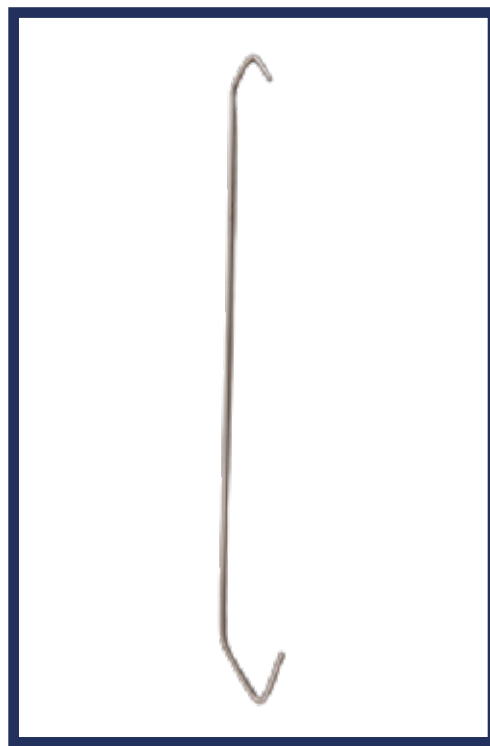
Decorative welded mesh panels provide perfect solutions especially for the fencing of parks, schools, factories, sport areas, military places and airports.



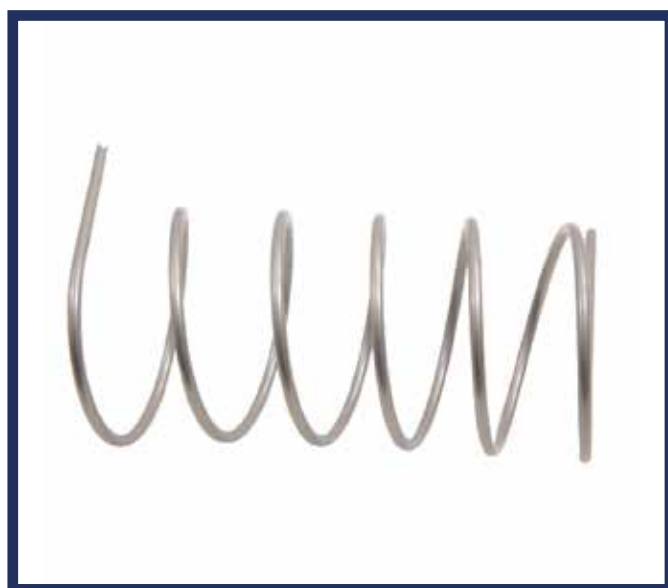
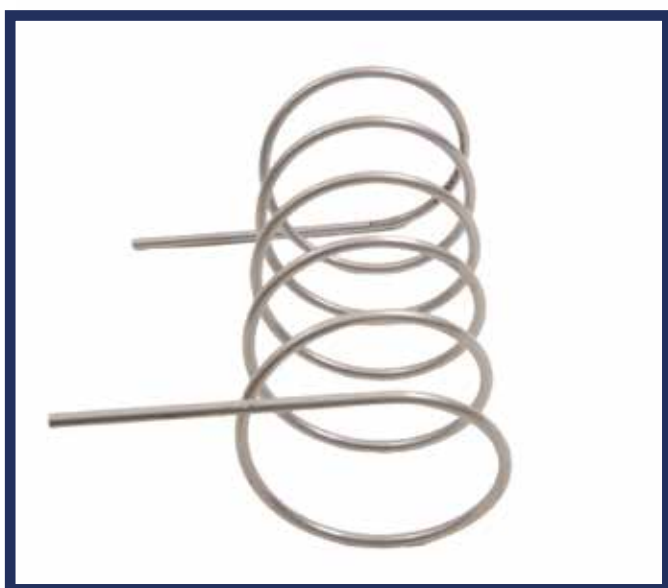
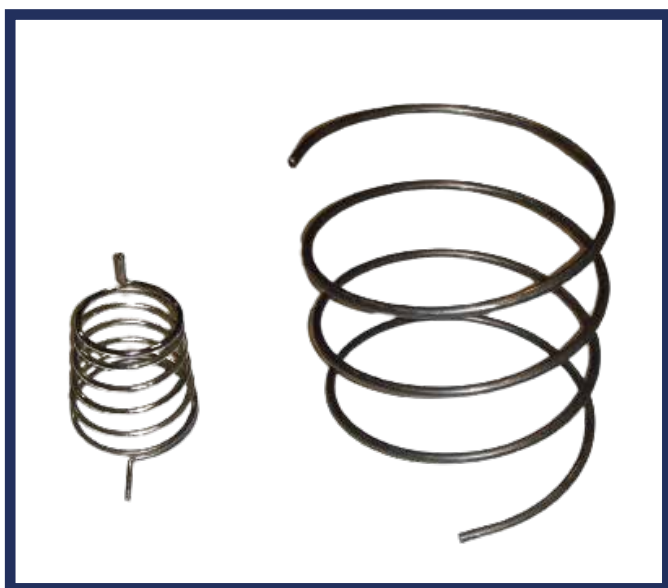
PRODUCT STANDARDS	TS EN 10223-4
RAW MATERIAL STANDARDS	SAE 1006, SAE 1008, SAE 1010, SAE 1018
MATERIAL	Hot Dip Galvanized Wire, Cold Drawn Wire
COATING TYPE	Painted and Hot Dip Galvanized, PVC Coated Galvanized, PVC Coated, Ribbed
TENSILE STRENGTH N/mm ² (N/mm ²)	450 - 650
MESH SIZE (mm)	50x50, 50x100, 50x150, 60x200
DIAMETER (mm)	3,50 - 6,00
HEIGHT (mm)	750 - 2.500
WIDTH (mm)	2.000-2.500
COLOUR	RAL Codes
PACKAGING	On Wooden Pallets
APPLICATIONS	Farms, Military Zones, Airports, Warehouses, Parks, Schools



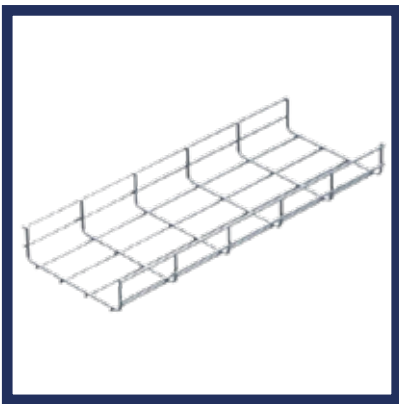
DYEHOUSE HANGER



SMALL SPRING WIRES



CABLE TRAYS



TECHNICAL SPECIFICATIONS

- Wire diameter can be 3, 4, 5, or 6 mm. The coatings of the wires can be chosen as non coated (black) wire, electro-galvanized, pre galvanized (min. 40-60 gr/m² Zn), hot dip galvanized (min. 120 gr/m² Zn), stainless steel, and electrostatic powder coated on galvanized or black wires.
- The demand for our cable tray products has been increased over the years because cable trays are affordable, easy to use and light weighted comparing to the other cable management solutions.
- Cable trays can carry and hold high weights. Also, they are well known as dust free and fireproof products.

ADVANTAGES

- Inexpensive
- Light Weight
- Dust Free / Easy to clean
- Easy to Replace
- Fireproof
- Easy to Install
- Cable Separation
- Easy to change or replace the cables

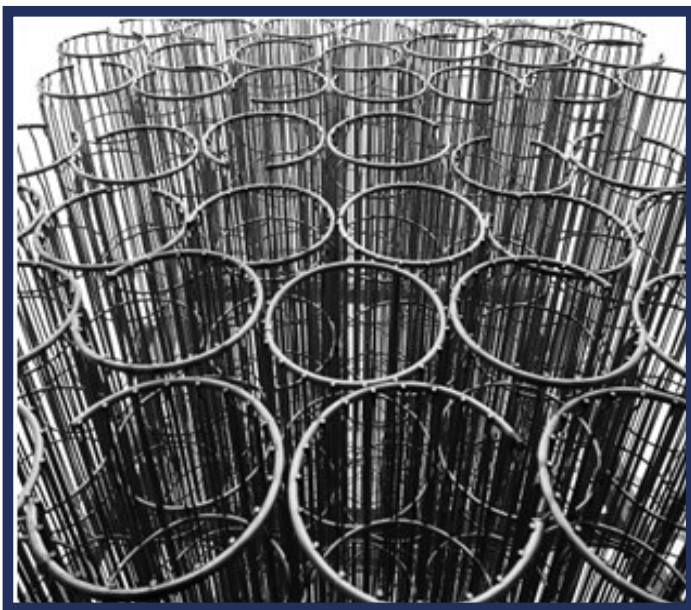
DESCRIPTION

Cable Trays are used to manage cables in the buildings. They are applied on the ceilings, walls, and floors to carry the electrical, electronical, data, and phone cables and keep all of them in order.

Cable Trays can be cut and reshape easily and they can be used with accessories which can give a whole cable management system approach to your building.

Cable Trays can be used with many accessories. This new cable management system will give a new approach to make the cables invisible and to gain more space in your building.

FILTER EQUIPMENTS



AUTOMOTIVE SUB-INDUSTRY WIRE PRODUCTS



Manufacturing Processes

- CNC Wire Bending
- CNC Tube Bending
- Stamping
- Weld Assembling
- Design
- Wire Browning
- Stampings,
- MIG/MAG, TIG and Spot Welding
- Brazing
- Assembly Lines, Painting

Metal forms and assemblies

- Jacks
- Separators
- Luggage supports
- Wire seat frames
- Headrest stems
- Towing hooks
- Hood holders
- Seat headrests
- Acceleration pedal
- Seat sponge wire
- Striker wires
- Seat suspension pads

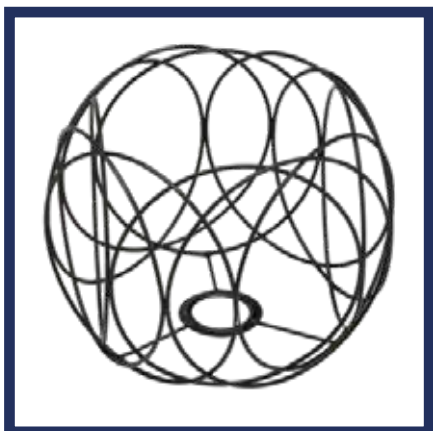
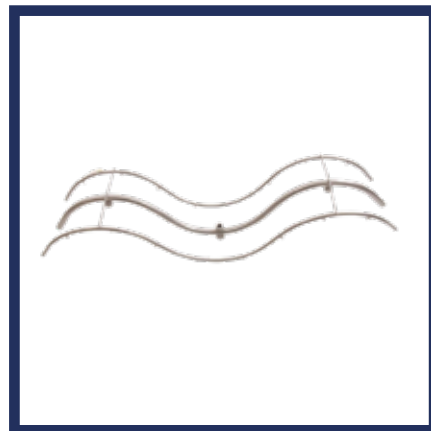
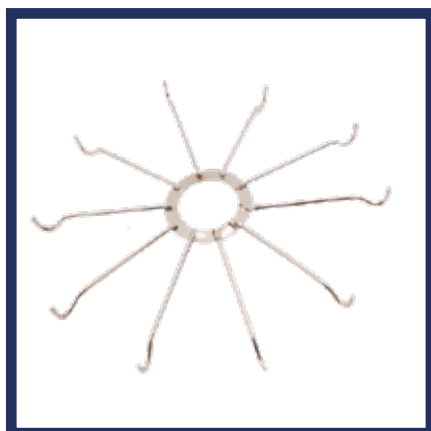
Parts Produced From Different Types Of Wires :

The raw materials used in production ranging from 5.50 mm to 16.00 mm., are generally low and high carbon steels, automation steels and stainless steels.

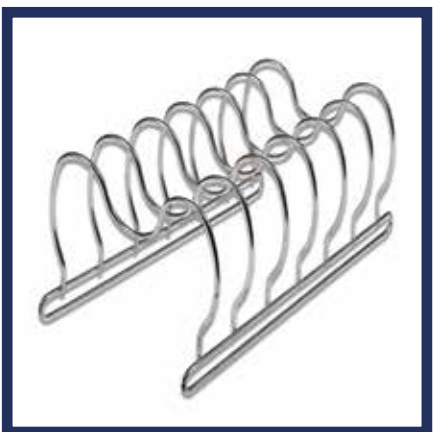
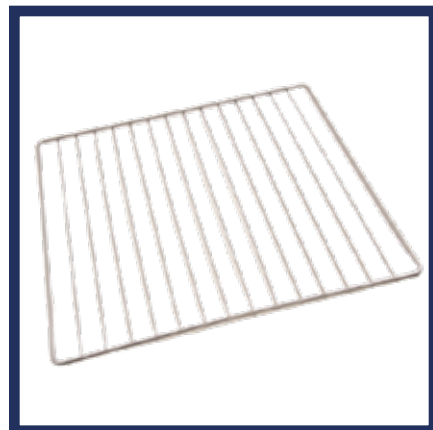
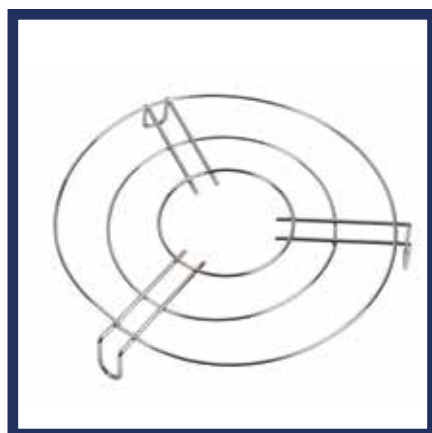
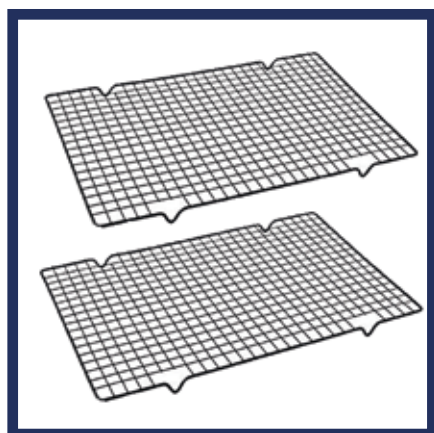
- Low carbon steels: SAE 1006- 1008-1010-1012
- High carbon steels: SAE 1045- 1055- 1080-1070- 1075
- Automation steels (lead ed automate): 9S MnPb 28- 9S MnPb 36
- Cq-15- ST37-2, ST52-3 ,QST36-3, A-B-C quality steel wire for flattening (DIN 17223-A)
- 19 MnB 4- 20 MnB 4- 23 MnB 4
- QST36-3
- Stainless Steel

Manufacturing Technologies:

CNC controlled machines (tube and wire) and electronically controlled welding machines for TIG, MIG/MAG, Brazing Stamping: Hydraulic and mechanic presses.



WIRE GRILLS INSIDE THE OVEN / TOP OVEN FLAT WIRE



Sectors & Markets

CONSTRUCTION INDUSTRY

FASTENER PRODUCTS





Gunes Tel produces the wire mesh cables for this new technology.
We believe that the essence of structural design is the appropriate usage of material.
This system creates as much internal voided volumes as possible.

Main Advantages of of This Technology

Weight Reduction

- Up to 35% lighter than solid flat slabs
- Up to 15% less load acting on foundations
- Increased freedom for structural conception

Earthquake Safety

- Reduction of the accelerated mass
- Eased earthquake design verification
- Reduced damage risks

Large Spans

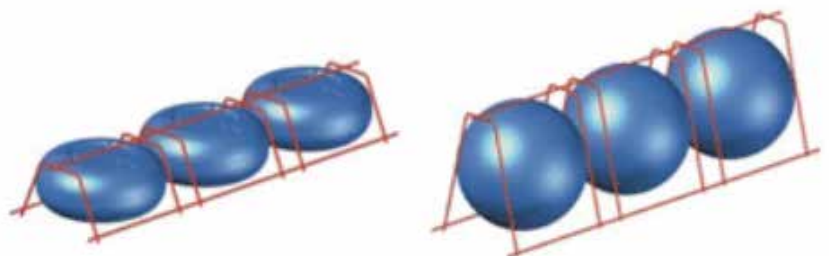
- Up to 20m spans
- Flat soffits with no obstructing beams
- Up to 40% less columns

Cost Effectiveness

- Concrete and reinforcement steel savings
- Reduced floor-to-floor height
- Eased retrofiting of building

Sustainability

- Resource efficiency trough building materials savings
- CO2 emission reductions through concrete volume optimization
- Use of recycled material for these products



Slim-Line

Void former height
100 to 220 mm
Slab depths 20 to 35(+) cm

Eco-Line

Void former height
225 to 450 mm
Slab depths 35 to 60(+) cm

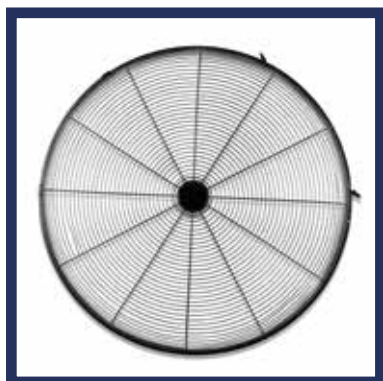
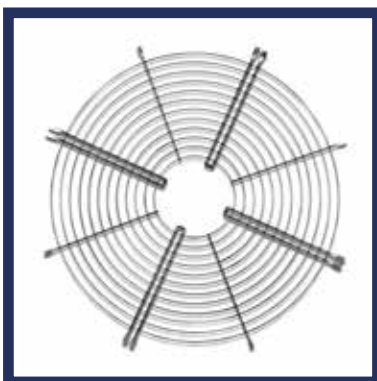
Sectors & Markets

FOOD SERVICE



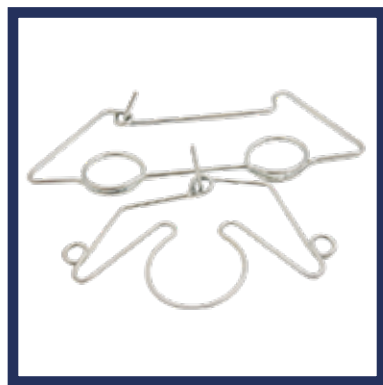
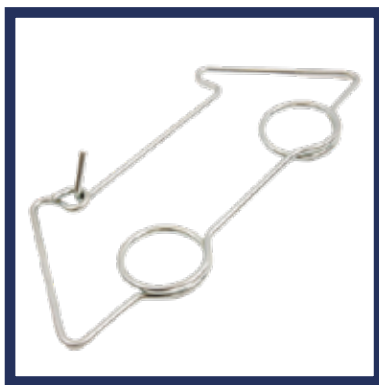
Sectors & Markets

PROTECTION WIRE GUARDS – VENTILATION SYSTEM



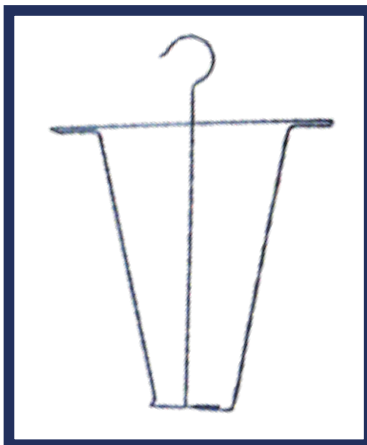
Sectors & Markets

HEATING SYSTEM WIRES



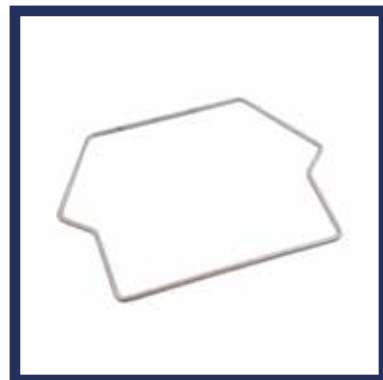
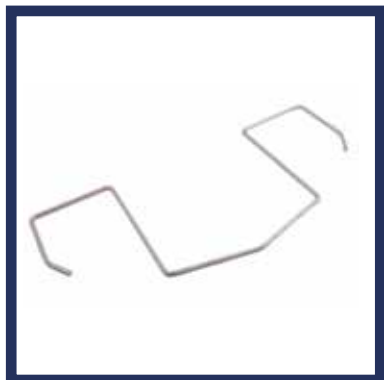
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DRESS HANGER WIRES



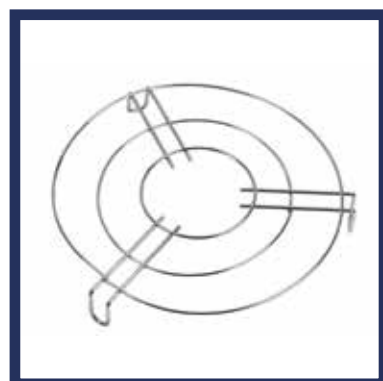
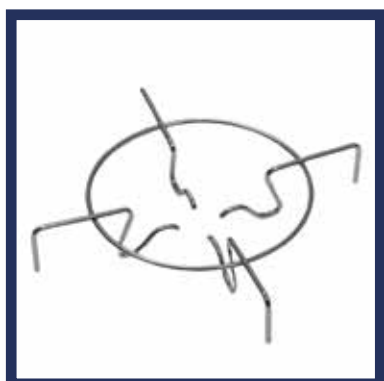
Sectors & Markets

GREENHOUSE HANGING SYSTEMS



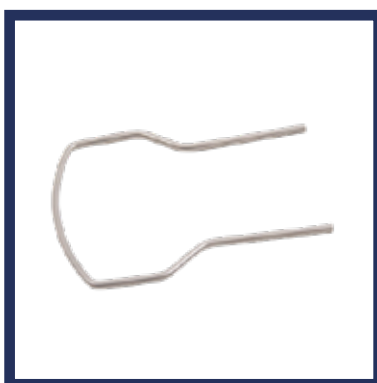
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COOKTOP WIRE GRILLS



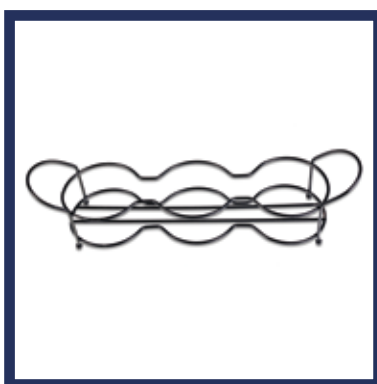
Sectors & Markets

INDUSTRIAL CLEANING PRODUCTS / BUCKET HANGERS



Sectors & Markets

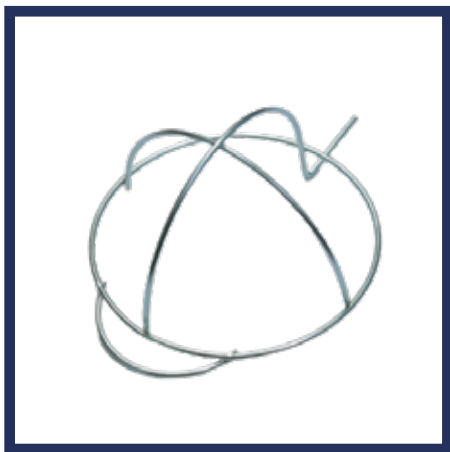
KITCHEN ACCESSORIES



Sectors & Markets

SHELF & STAND & SHOPFITTING INDUSTRY

HANGERS FOR BALLS & HATS



Sectors & Markets

SHELF & STAND & SHOPFITTING INDUSTRY

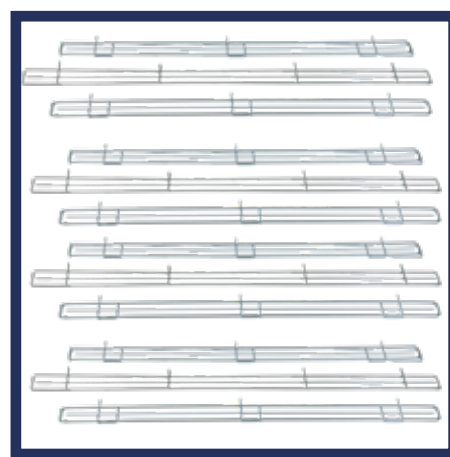
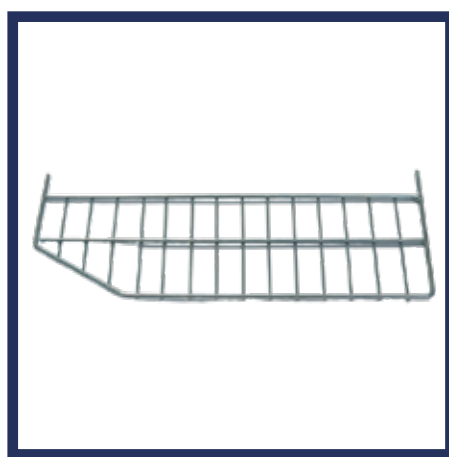
WIRE HOOKS



Sectors & Markets

SHELF & STAND & SHOPFITTING INDUSTRY

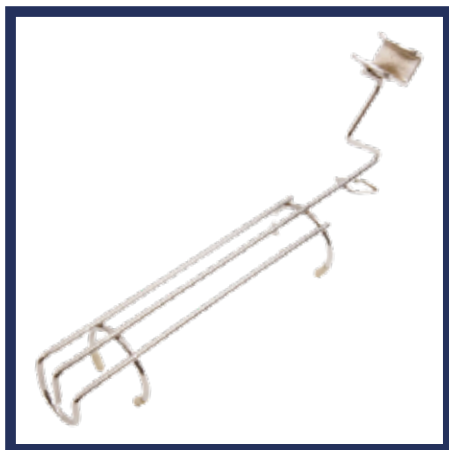
WIRE DIVIDERS



Sectors & Markets

SHELF & STAND & SHOPFITTING INDUSTRY

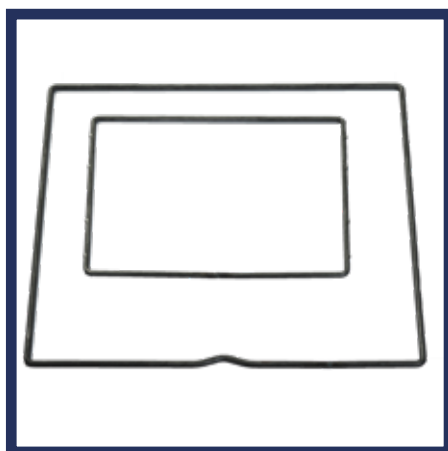
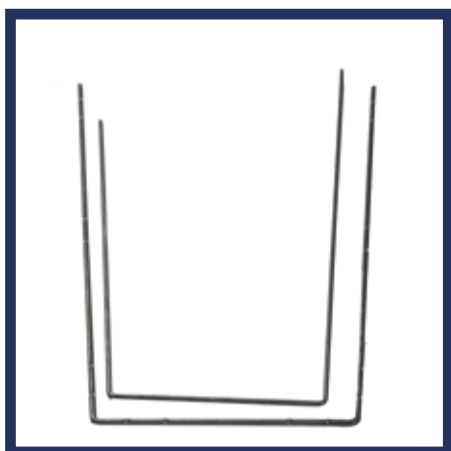
HANGER HOOKS / SHELVES



Sectors & Markets

SHELF & STAND & SHOPFITTING INDUSTRY

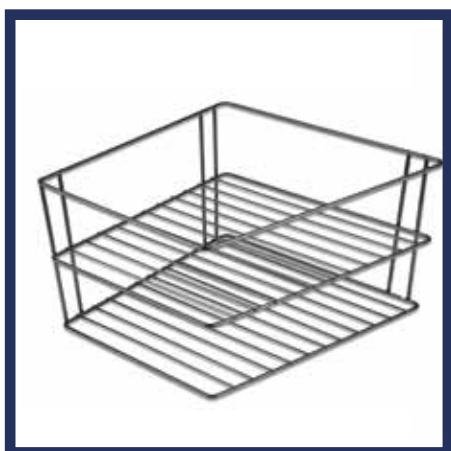
SHOPPING CARS CNC BENDED WIRES



Sectors & Markets

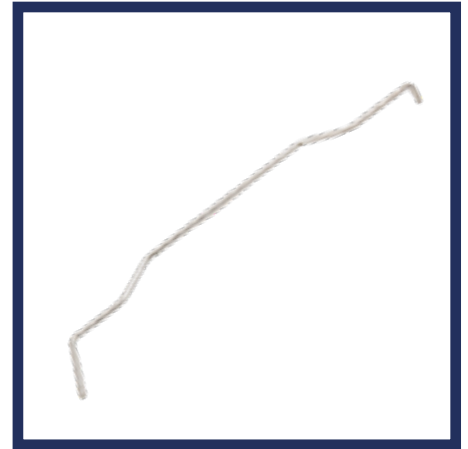
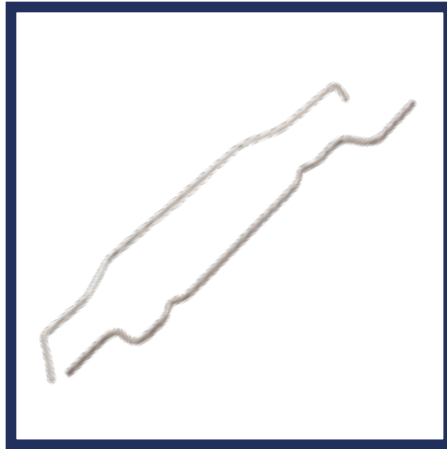
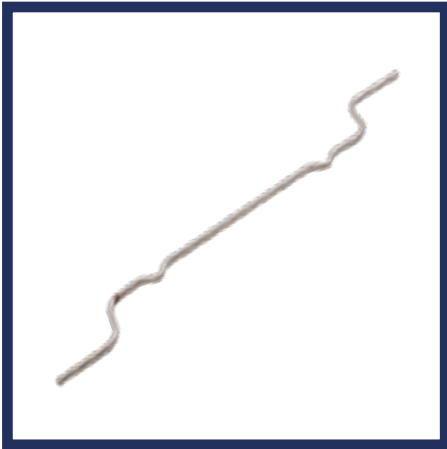
SHELF & STAND & SHOPFITTING INDUSTRY

FOLDING WIRE CONTAINER BASKET



Sectors & Markets

TOYS AND BICYCLE WIRE PIECES



Sectors & Markets

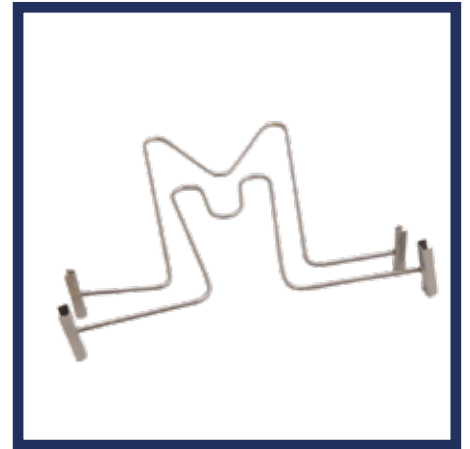
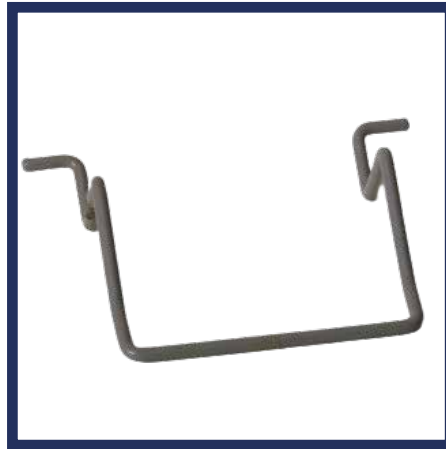
ADVERTISING STANDS / DISPLAY RACKS / BASKETS



Sectors & Markets

FURNITURE INDUSTRY

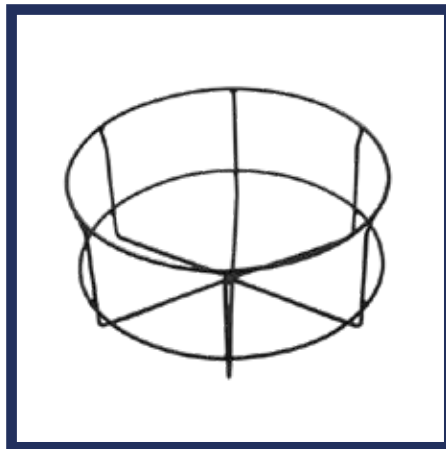
BASE HANDLE



Sectors & Markets

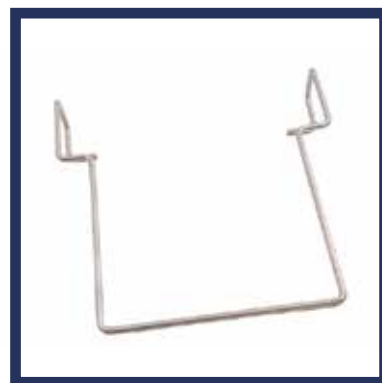
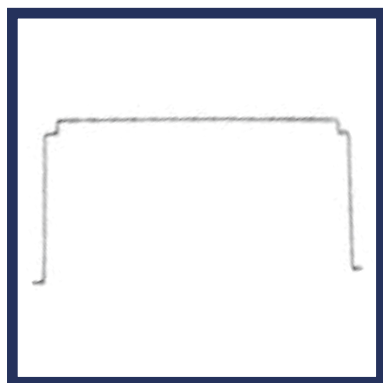
FURNITURE INDUSTRY

CHAIR AND TABLE WIRE LEGS



Sectors & Markets

DRYERS WIRES / HANGERS FOR HOUSEHOLD ARTICLES



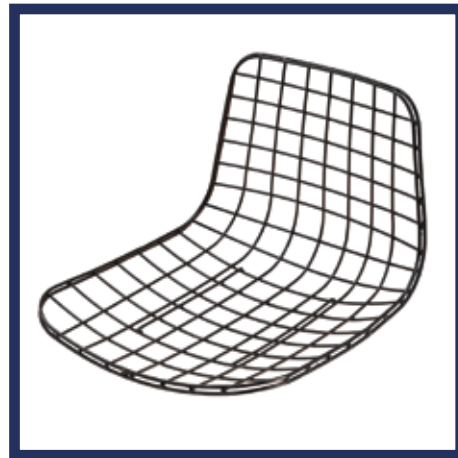
Sectors & Markets

WIRE OF LUGGAGES



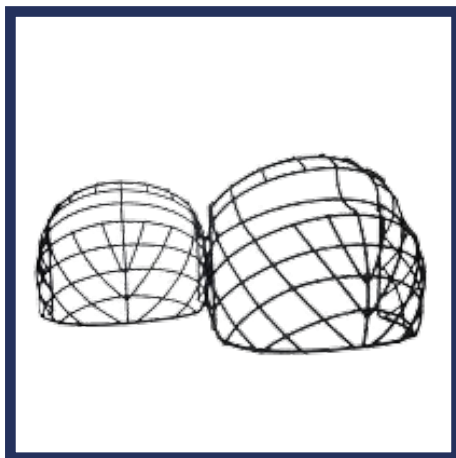
Sectors & Markets

CONCEPT FURNITURE ACCESSORIES



Sectors & Markets

SPORTS EQUIPMENT



IRON REEL FINE DIAMETER WIRE (THINNER DIAMETER GALVANIZED / COPPER COATED WIRE IN COILS)



IRON REEL FINE DIAMETER WIRE

Coil inner diameter	(mm)	50 cm
Coil outer diameter	(mm)	70 - 90 cm
Height - Max.	(mm)	40 cm
Weight - Max.	(kg)	400 kg

CUT TO LENGHT WIRE (BARS AND RODS)



CUT TO LENGHT WIRE(SIZED LONG THAN 120 CM)

Diameter	From 1.80 mm to 14.00 mm
Length	From 10 cm to 450 cm
Weight - Max.	From 100 kg to 1000 kg

CUT TO LENGHT WIRE (ON WOODEN PALLETS)



CUT TO LENGHT WIRE(SIZES LESS THAN 120 CM)

Diameter	From 1.80 mm to 14.00 mm
Length	From 10 cm to 450 cm
Weight - Max.	From 100 kg to 1000 kg

WIRE PACKED WITH WIRE CARRIER (BRIGHT WIRE IN COILS UP TO 1500 KG. WEIGHT)



BASKET (1.50 - 14.00mm)	Coil inner diameter	(mm)	450(+/- 50 mm)
	Coil outer diameter	(mm)	850(+/- 50 mm)
	Height - Max.	(mm)	1300
	Weight - Max.	(kg)	1500

WIRE IN SMALL COILS (ANNEALED AND PHOSPHATED - COLD HEADING WIRE)



COIL TYPE COIL	Wire diameter	1.50 - 1.80 mm	2.00 - 7.00 mm	8.00 - 14.00 mm
	Coil inner diameter	25 cm	45 cm	65 cm
	Coil outer diameter	40 cm	75 cm	95 cm
	Height - Max.	20 cm	40 cm	40 cm
	Weight - Max.	50-100 kg	100-250kg	250-350 kg

SPOOLED COIL (BRIGHT WIRE PACKED)



SPOOLER WRAPPED (3.00 - 10.00mm)	Coil inner diameter	(mm)	400(+/- 50 mm)
	Coil outer diameter	(mm)	720(+/- 50 mm)
	Weight - Max.	(kg)	500 - 1000 kg

SPOOLED COIL – INSIDE CARDBOARD PAPER (ELECTROGALVANIZED WIRE)



INSIDE CARDBOARD COATED SPOOLER WINDING (3.00 – 10.00 mm)

Coil inner diameter (mm)	400(+/- 50 mm)
Coil outer diameter (mm)	720(+/- 50 mm)
Weight - Max. (kg)	500 - 1000 kg

Z3 TYPE PACKAGING



Z3 TYPE PACKAGING (3.00 – 10.00 mm)

Coil inner diameter (mm)	550(+/- 50 mm)
Coil outer diameter (mm)	900(+/- 50 mm)
Height - Max. (mm)	600
Weight - Max. (kg)	1500

Z2 TYPE PACKAGING



Z2 TYPE PACKAGING – ROSETTE WRAPPING (3.00 – 10.00 mm)

Coil inner diameter (mm)	370(+/- 50 mm)
Coil outer diameter (mm)	650(+/- 50 mm)
Height - Max. (mm)	270
Weight - Max. (kg)	500 - 800 kg

WIRE IN SMALL COILS (THINNER DIAMETER COPPER COATED)



COIL TYPE - THIN DIAMETER COPPER PLATED	Coil inner diameter	(mm)	30 cm
	Coil outer diameter	(mm)	37 - 40 cm
	Height - Max.	(mm)	8 - 15 cm
	Weight - Max.	(kg)	20 - 40 kg

SPOOLED COIL (THINNER DIAMETER COPPER COATED)



COIL TYPE - THIN DIAMETER COPPER PLATED	Coil inner diameter	(mm)	35 cm
	Coil outer diameter	(mm)	45 - 55cm
	Height - Max.	(mm)	10 - 15 cm
	Weight - Max.	(kg)	30 - 60 kg

ROLLER (THINNER DIAMETER COPPER COATED)



ROLLER THIN DIAMETER COPPER COATED	Empty reel weight	0,6 kg
	Roller full weight	15,6 kg

CNC BENDED WIRES PACKING



CNC SHAPED & BENDED WIRES PACKING METHODS

Packing

According to customer request
- plastic-sheet-metal chassis or
the private boxes on pallets

Packing Weight

25 kg - 1000 kg

THEADED RODS & BARS PACKING



THEADED RODS - U BOLTS - V BOLTS - PACKING METHODS

Packing

According to customer request
- The private boxes on
pallets

Packing Weight

25 kg - 1000 kg