



Product Catalog

World Trade Center
Manhattan, New York, EE.UU



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Texo LLC, headquartered in Miami Florida, USA, was founded with the support of Comercializadora Mercurio Ltda. over 30 years ago, in response to the need to serve the Latin American market for steel, aluminum products and related materials.

Our knowledge and experience allow us to offer our customers the best quality of steel & aluminum materials with highly reliable suppliers located in **China, Taiwan, Korea, USA, Turkey, India and North America**, giving our customers the possibility to consolidate their purchasing needs and achieve their commercial objectives. Our bilingual and multicultural staff is available to provide direct service and have full control of operations in the countries of origin, thus achieving a comprehensive and reliable service.

Why work with Texo?

Our goal has been to provide our customers with excellent products with the highest quality standards in service and our experience of more than 30 years gives us a unique knowledge in the market. We offer each customer solutions that adapt to each type of business.



Advantages of steel and aluminum



Sustainable

At Texo, we are proud to offer steel and aluminum products that are essential for achieving a green economy. Steel is the most recycled material in the world and its application allows us to make the most of resources through reuse and recycling.

In addition, the reduction of emissions in its production in recent decades is a demonstration of the technological developments implemented to reduce the environmental impact. On the other hand, aluminum is also a highly recyclable material and its production is more efficient in terms of energy than other metals.

We work with committed suppliers who provide sustainable and high-quality products that ensure durability over time.

Efficiency in construction

The use of steel and aluminum improves times and productivity in construction. Steel maintains tight tolerances to standards, while aluminum is slightly more resistant to corrosion and has a good strength-to-weight ratio.

Both are easy to work with and easily integrate with other construction systems. Structural steel remains the leading material for achieving the best cost-benefit ratio, while aluminum offers greater flexibility in design. Additionally, both are recyclable and help reduce environmental impact.





Flat Steel Products

HOT ROLLED AND COLD ROLLED STEEL

These are products obtained through metallurgical rolling processes. In the case of hot rolled steel (HR) it is produced from slabs or billets which are deformed at high temperatures between rolls until the desired product is obtained. Cold rolled sheet (CR) is produced from hot rolled steel by applying a chemical process and cold processing to reduce its thickness and reach the desired properties and presentation.

Uses:

Used in different industries for the manufacture of pipes, household appliances, shelving, auto parts, cylinders, profiles, locksmithery, structures, formwork, machinery.



Pipes



Auto-parts



Cylinders



Racks



Machinery

Advantages:

- Good forming properties.
- Different presentations that allow a wide range of applications.
- Surface appearance that allows excellent finishes.
- Easy integration with other construction systems.

Presentation:

- In rolls, sheets and plates.



HOT ROLLED AND COLD ROLLED STEEL

HOT ROLLED STEEL

Chemical Composition						Mechanical Properties		
Quality	Type	%C (max)	%Mn (max)	%P (max)	%S (max)	Yield Strength		Elongation % (min)
						ksi	MPa	
ASTM A36	Structural	0,26	1,20	0,040	0,050	36,00	250	23
ASTM A1011 GR 50		0,25	1,35	0,035	0,040	49,00	340	22
ASTM A572 GR 50		0,27	1,35	0,040	0,050	50,00	345	21
ASTM A588 GR A		0,19	1,25	0,040	0,050	70,00	485	21
ASTM A588 GR B		0,20	1,35	0,040	0,050	70,00	485	21
SAE J403 1006	Commercial	0,08	0,45	0,030	0,035	41,00	285	20
SAE J403 1008		0,10	0,50	0,030	0,035	41,00	285	20

COLD ROLLED STEEL

Chemical Composition					
Quality	Type	%C (max)	%Mn (max)	%P (max)	%S (max)
ASTM A366	Commercial	0,12	0,50	0,04	0,05
ASTM A424 Type I	Enamelled	0,01	0,40	0,02	0,03
ASTM A424 Type II		0,05	0,50	0,02	0,03
ASTM A424 Type III		0,02	0,35	0,02	0,03
ASTM A568	Structural	0,15	0,30	0,03	0,04



HOT ROLLED STEEL (HOT ROLLED)

Presentation	Size		
	Width (mm)	Length (mm)	Thickness (mm)
Coil	1000, 1200 y 1220	-	1.2 to 6
Sheet	1000, 1200 y 1220	2000, 2400 y 2440	1.2 to 9
Plate	1830 y 2440	6100,00	4.5 to 38

*Special sizes can be produced with a minimum requirement per reference.

COLD ROLLED STEEL (COLD ROLLED)

Presentation	Size		
	Width (mm)	Length (mm)	Thickness (mm)
Strip	5 to 900	-	0.31 to 1.85
Coil	1000, 1200 y 1220	-	0.31 to 1.85
Sheet	1000, 1200 y 1220	2000, 2400 y 2440	0.31 to 1.90

*Special sizes can be produced with a minimum requirement per reference.



COATED STEELS

These sheets feature high corrosion resistance provided by zinc, aluminum-zinc, chromium and tin coatings along with the excellent mechanical properties of steel.

Uses:

Used in a wide range of construction and industrial applications ranging from interior and exterior, roofing sections, decking, structural elements to the manufacture of household appliances, air conditioners, traffic signs and packaging etc.



**Roofing
Tiles**



**Floor
slats**



**Household
appliances**



**Traffic
signs**



Cans



**Motor
gaskets**

Advantages:

- Excellent corrosion resistance with very good forming properties.
- Guaranteed high environmental protection and high durability.
- Formable appearance with bright finishes and good solar reflectance.
- High temperature resistant materials.
- Suitable for the application of coatings with paints and other coatings.

Presentation:

- In roll, sheet and formed sheet.



COATED STEELS

Chemical Composition						Mechanical Properties		
Quality	Type	%C (max)	%Mn (max)	%P (max)	% S (max)	Yield Strength		Elongation % (min)
						ksi	MPa	
ASTM A792	Commercial Type B	0.02-0.15	0,60	0,03	0,035	35/60	245/410	20
	Structural Gr. 33	0,20	1,35	0,04	0,04	33	230,00	20
	Structural Gr. 37	0,20	1,35	0,10	0,04	37	255,00	18
	Structural Gr. 40	0,25	1,35	0,10	0,04	40	275,00	16

Chemical Composition						Mechanical Properties		
Quality	Type	%C (max)	%Mn (max)	%P (max)	% S (max)	Yield Strength		Elongation % (min)
						ksi	MPa	
ASTM A653	Commercial Type B	0.02-0.15	0,60	0,03	0,035	30/55	205/380	20
	Structural Gr. 33	0,20	-	0,04	0,04	33	230,00	20
	Structural Gr. 37	0,20	-	0,10	0,04	37	255,00	18
	Structural Gr. 40	0,25	-	0,10	0,04	40	275,00	16

Chemical Composition					
Quality	Type	%C (max)	%Mn (max)	%P (max)	% S (max)
ASTM A623	D	0,12	0,60	0,020	0,03
	L	0,13	0,06	0,015	0,03
	MR	0,13	0,60	0,020	0,03



GALVANIZED STEEL AND ALUZINC (GALVALUME)

Galvanized and Aluzinc sheet (Galvalume)

Size		
Thickness (mm)	Thickness (gauge)	Length x Width (mm)
0,14	38	1000 x 2000 1000 x 3000 1000 x 6000 1200 x 1000 1200 x 2440 1220 x 2440
0,17	35	
0,25	31	
0,30	30	
0,35	28	
0,42	26	
0,55	24	
0,70	22	
0,85	20	
1,10	19	
1,15	18	
1,45	16	
1,90	14	
2,50	12	
3,00	11	

*Special sizes can be produced with a minimum requirement per reference.

Galvanized and Aluzinc (Galvalume) Coil and Strip

Size		
Thickness (mm)	Thickness (gauge)	Width (mm)
From 0,28 to 3,0	From 30 to 11	600, 900, 1000, 1200, 1220, 1250
From 0,14 to 0,25	From 38 to 31	600 - 900

*Special sizes can be produced with a minimum requirement per reference.



- Galvanized Coating
- Substrate



GALVANIZED AND ALUZINC COATING

Galvanized Sheet

Technical Specification ASTM A653 zinc coating layer

Imperial Designation	Coating (oz/ft ²)	Metric Designation	Coating (g/m ²)
G30	0,30	Z90	90
G40	0,40	Z120	120
G60	0,60	Z180	180
G90	0,90	Z275	275
G115	1,15	Z350	350
G140	1,40	Z450	450
G165	1,65	Z500	500
G185	1,85	Z550	550
G210	2,10	Z600	600
G235	2,35	Z700	700
G300	3,00	Z900	900
G360	3,60	Z1100	1100

*Finish: Uniform appearance. Regular, Minimized or without flower. With or without AFP (Skinn-pass)

Aluzinc Sheet (Galvalume) Coating

Technical specification aluzinc (galvalume) coating
ASTM A792

Imperial Designation	Coating (oz/ft ²)	Metric Designation	Coating (g/m ²)
AZ30	0,30	AZM100	100
AZ35	0,35	AZM110	110
AZ40	0,40	AZM120	120
AZ50	0,50	AZM150	150
AZ55	0,55	AZM165	165
AZ60	0,60	AZM180	180
AZ70	0,70	AZM210	210

*Acabado: Con aspecto uniforme. Flore Regular. Con o sin AFP (Skinn-pass)



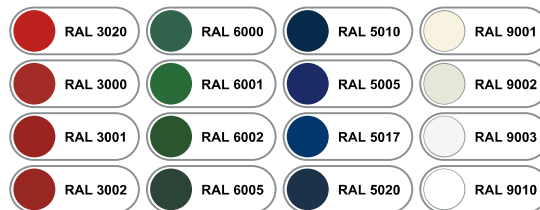
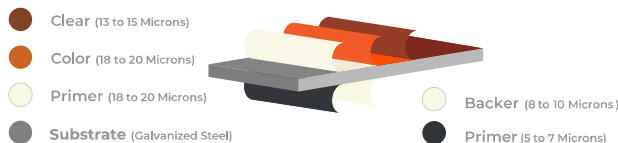
GALVANIZED STEEL AND ALUZINC (GALVALUME) PRE-PAINTED

Size		
Thickness (mm)	Gauge	Width (mm)
From 0.28 to 0.80	From 31 to 20	From 800 to 1250

PRE-PAINTED SHEET GALVANIZED AND ALUZINC

Quality	Environment	Zinc-Aluzinc Coating	Primer (μm)	Standard Polyester (μm)	Premium Polyester (μm)	PVDF (μm)	Anticorrosive (μm)
Residential Standard	Urban with low level of pollution and rural, inland areas.	Aluzinc 100gr Zinc 180gr	5-6	15-20	-	-	-
Industrial Standard	Industrial and urban moderate pollution, coastal low salinity	Aluzinc 100gr Zinc 180gr	5-6	-	18-20	-	-
Marine Industrial	Industrial with high levels of humidity and moderate salinity, aggressive atmosphere	Aluzinc 180gr Zinc 275gr	18-20	-	-	18-20	-
Severe Marino	Coastal area with high salinity at a distance of less than three km from the coast.	Aluzinc 180gr Zinc 275gr	18-20	-	-	18-20	8,00

Technical specification paint coating according to ASTM A755 standard



GALVANIZED AND ALUZINC & PRE-PAINTED GALVANIZED AND ALUZINC CORRUGATED SHEETS

Size		
Thickness (mm)	Length (mm)	Width (mm)
0,13	From 2140 to 3660	From 800 to 1000
0,14		
0,15		
0,17		
0,20		
0,25		
0,28		
0,30		

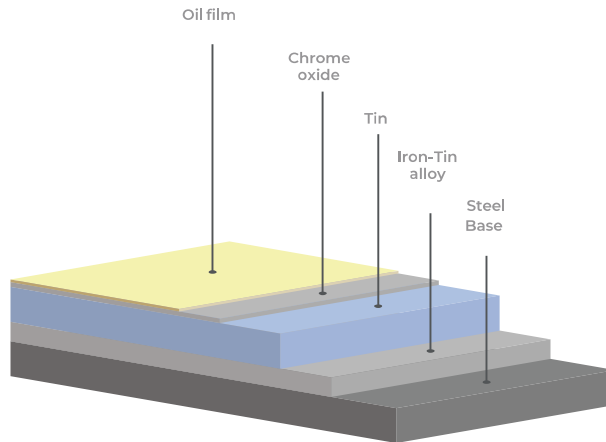
*Finish: Uniform appearance. Regular, Minimized or without flower. With or without AFP (Skin-pass).

*Tile painted according to ASTM A755 standard5



TINPLATE

Size	
Thickness (mm)	Width (mm)
From 0.150 to 0.600	From 400 to 1000



TINPLATE COATING

Coating Type	Coating (g/m ²)
Equal distribution on both sides	2,8
	5,6
	8,4
	11,2
Uneven distribution on both sides	2.8 / 5.6
	2.8 / 8.4
	2.8 / 11.2
	5.6 / 8.4
	5.6 / 11.2
	8.4 / 11.2

Technical specification tin coating ASTM A623



STAINLESS STEEL

These are products obtained through alloys of iron, chromium, nickel and other elements that allow excellent resistance to corrosion. Their different presentations allow a wide range of uses and finishes.

Uses:

Used in furniture equipment, kitchen utensils, thermal insulation, household appliances, conveyor belts, industrial machinery.



Pipes



Auto-parts



Cylinders



Racks



Machinery

Advantages:

- High resistance to corrosion.
- Different finishes.
- Lower maintenance costs.
- High levels of ductility.
- Less adherence of external agents.

Presentation:

- In rolls, sheets and plates.



STAINLESS STEEL

FINISH N1.

Quality	Thickness (mm)	Width (mm)
304/304L	From 2.0 to 50.0	1000, 1219, 1250, 1500, 1524
316L	From 2.0 to 50.0	1000, 1219, 1250, 1500, 1524

A rough, matte, non-uniform finish, resulting from hot rolling, generally used in industrial applications with high temperature services.

FINISH N4.

Quality	Thickness (mm)	Width (mm)
304/304L	From 0.4 to 6.0	750, 914, 1000, 1219, 1250, 1500, 1524
316L	From 0.5 to 3.0	750, 914, 1000, 1219, 1250, 1500, 1524
430	From 0.4 to 3.0	750, 914, 1000, 1219, 1250, 1500, 1524

It is widely used for architectural decoration, food processing, elevator panels, kitchen equipment and the automotive sector.

FINISH 2B.

Quality	Thickness (mm)	Width (mm)
304/304L	From 0.3 to 6.0	750, 914, 1000, 1219, 1250, 1500, 1524
316L	From 0.5 to 3.0	750, 914, 1000, 1219, 1250, 1500, 1524
430	From 0.3 to 3.0	750, 914, 1000, 1219, 1250, 1500, 1524

Cold rolled, soft and moderately refractive. It is especially common in industrial, chemical and food processing applications.

FINISH BA.

Quality	Thickness (mm)	Width (mm)
304/304L	From 0.3 to 2.0	914, 1000, 1219, 1250
316L	From 0.5 to 2.0	1000, 1219, 1250
430	From 0.3 to 2.0	914, 1000, 1219, 1250

It has a mirror-like appearance and has applications where highly reflective finishes are needed, such as architectural work, food processing and other general applications.





Long Steel Products

BEAMS AND CHANNELS

They are hot rolled steel profiles with cross section in "I", "H" and "C".

Uses:

Widely used in civil construction and industry with structural applications such as: columns, frames, trusses, mezzanine beams, joists, braces, metal-mechanic industry, body chassis, infrastructure reinforcement, shipbuilding, machinery and engineering works.



Machinery



Infrastructure



Auto-parts



Engineering
works



Naval
Construction

Advantages:

- Greater resistance and less weight.
- More efficient in the construction process.
- Recyclable.
- Allows visible elements and excellent finishes.
- Suitable for torsion and compression.

Presentation:

- 6 and 12 meters long.



BEAMS AND CHANNELS

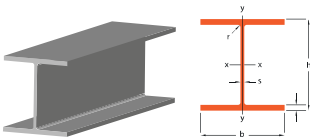
Chemical Composition				
Quality	%C (max)	%Mn (max)	%P (max)	% S (max)
ASTM A992	0,23	1,60	0,035	0,045
ASTM A572 GR. 50	0,27	1,35	0,040	0,050
ASTM A529 GR. 50	0,27	1,35	0,040	0,050
ASTM A36	0,26	1,20	0,040	0,050

*European grades are also available: S235, S275 & S355

Quality	Mechanical Properties		
	Yield Strength		Elongation %
	ksi	MPa	
ASTM A992	50	345	21,00
ASTM A572 GR. 50	50	345	21,00
ASTM A529 GR. 50	50	345	21,00
ASTM A36	36	250	23,00



HEA BEAMS

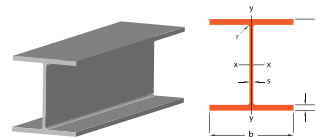


Designation	Dimensions (mm)					Moment of inertia (cm ⁴)		Section Module (cm ³)		Weight (Kg/m)	Area (cm ²)
	h	b	s	t	r	I _x	I _y	S _x	S _y		
HEA 100	96	100	5,00	8,000	12,000	349	134	72,80	26,800	16,7	21,2
HEA 120	114	120	5,00	8,000	12,000	606	231	106,00	38,500	19,9	25,3
HEA 140	133	140	5,50	8,500	12,000	1030	389	155,00	55,600	24,7	31,4
HEA 160	152	160	6,00	9,000	15,000	1670	616	220,00	76,690	30,4	38,8
HEA 180	171	180	6,00	9,500	15,000	2510	925	294,00	103,000	35,5	45,3
HEA 200	190	200	6,50	10,000	18,000	3690	1340	389,00	134,000	42,3	53,8
HEA 220	210	220	7,00	11,000	18,000	5410	1950	515,00	178,000	50,5	64,3
HEA 240	230	240	7,50	12,000	21,000	7760	2770	675,00	231,000	60,3	78,0
HEA 260	250	260	7,50	12,500	24,000	10450	3670	836,00	282,000	68,2	86,8
HEA 280	270	280	8,00	13,000	27,000	13670	4760	1010,00	340,000	76,4	97,3
HEA 300	290	300	8,50	14,000	27,000	18260	3610	1260,00	421,000	88,3	114,0
HEA 320	310	300	9,00	15,500	27,000	22930	6990	1480,00	466,000	97,6	125,8
HEA 340	330	300	9,50	16,500	27,000	27690	4736	1678,00	496,000	105	134,9
HEA 360	350	300	10,00	17,500	27,000	33090	7887	1891,00	526,000	112	144,2
HEA 400	390	300	11,00	19,000	27,000	45070	8564	2311,00	571,000	125	160,4
HEA 450	440	300	11,50	21,000	27,000	63720	9465	2896,00	631,000	140	179,5
HEA 500	490	300	12,00	23,000	27,000	86970	10370	3550,00	691,000	155	199,0
HEA 550	540	300	12,50	24,000	27,000	111900	10820	4146,00	721,000	166	213,2
HEA 600	590	300	13,00	25,000	27,000	141200	11270	4787,00	751,000	178	227,9
HEA 650	640	300	13,50	26,000	27,000	175000	11700	5470,00	781,000	190	243,1
HEA 700	690	300	14,50	27,000	27,000	215000	12200	6240,00	812,000	204	261,9
HEA 800	790	300	15,00	28,000	30,000	303000	12600	7680,00	842,000	224	285,8
HEA 900	890	300	16,00	30,000	30,000	422000	13500	9480,00	903,000	252	320,5
HEA 1000	990	300	16,50	31,000	30,000	554000	14000	11200,00	933,000	272	346,8

Tolerances: According to the standard EN 10034



HEB BEAMS

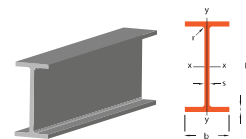


Designation	Dimensions (mm)					Moment of inertia (cm ⁴)		Section Module (cm ³)		Weight (Kg/m)	Area (cm ²)
	h	b	s	t	r	I _x	I _y	S _x	S _y		
HEB 100	100	100	6,00	10,000	12,000	449,5	167,3	89,91	33,450	24,4	26,0
HEB 120	120	120	6,50	11,000	12,000	864,4	317,5	144,10	52,920	26,7	34,0
HEB 140	140	140	7,00	12,000	12,000	1509	549,7	215,60	78,520	33,7	43,0
HEB 160	160	160	8,00	13,000	15,000	2492	889,2	311,50	111,200	42,6	54,3
HEB 180	180	180	8,50	14,000	15,000	3830	1360	426,00	151,000	51,2	65,3
HEB 200	200	200	9,00	15,000	18,000	5700	2000	570,00	200,000	61,3	78,1
HEB 220	220	220	9,50	16,000	18,000	8090	2840	736,00	258,000	71,5	91,0
HEB 240	240	240	10,00	17,000	21,000	11300	3920	938,00	327,000	83,2	106,0
HEB 260	260	260	10,00	17,500	24,000	14900	5130	1150,00	395,000	93	118,0
HEB 280	280	280	10,50	18,000	24,000	19300	6590	1380,00	471,000	103	131,0
HEB 300	300	300	11,00	19,000	27,000	25200	8560	1680,00	571,000	117	149,0
HEB 320	320	300	11,50	20,500	27,000	30800	9230	1930,00	616,000	127	161,0
HEB 340	340	300	12,00	21,500	27,000	36700	9680	2160,00	646,000	134	171,0
HEB 360	360	300	12,50	22,500	27,000	43200	10100	2400,00	676,000	162	181,0
HEB 400	400	300	13,50	24,000	27,000	57700	10800	2880,00	721,000	155	198,0
HEB 450	450	300	14,00	26,000	27,000	79900	11700	3550,00	781,000	171	218,0
HEB 500	500	300	14,50	28,000	27,000	107000	12600	4290,00	841,000	187	239,0
HEB 550	550	300	15,00	29,000	27,000	137000	13100	4970,00	871,000	199	254,0
HEB 600	600	300	15,50	30,000	27,000	171000	13500	5700,00	902,000	212	270,0
HEB 650	650	300	16,00	31,000	27,000	211000	14000	6480,00	932,000	225	286,0
HEB 700	700	300	17,00	32,000	27,000	257000	14400	7340,00	962,000	241	306,0
HEB 800	800	300	17,50	33,000	30,000	359000	14900	8980,00	993,000	262	334,0
HEB 900	900	300	18,50	35,000	30,000	494000	15800	11000,00	1050,000	291	371,0
HEB 1000	1000	300	19,00	36,000	30,000	645000	16300	12900,00	1080,000	314	400,0

Tolerances: According to the standard EN 10034



IPE BEAMS

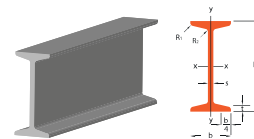


Designation	Dimensiones (mm)					Moment of inertia (cm ⁴)		Section Module (cm ³)		Weight (Kg/m)	Area (cm ²)
	h	s	b	t	r	I _x	I _y	S _x	S _y		
IPE 80	80	3,8	46,00	5,200	5,000	80,1	8,49	20,00	3,690	6,0	7,64
IPE 100	100	4,1	55,00	5,700	7,000	171	15,9	34,20	5,790	8,1	10,3
IPE 120	120	4,4	64,00	6,300	7,000	318	27,7	53,00	8,650	10,4	13,2
IPE 140	140	4,7	73,00	6,900	7,000	541	44,9	77,30	12,300	12,9	16,4
IPE 160	160	5,0	82,00	7,400	9,000	869	68,3	109,00	16,700	15,8	20,1
IPE 180	180	5,3	91,00	8,000	9,000	1317	101	146,00	22,200	18,8	23,9
IPE 200	200	5,6	100,00	8,500	12,000	1943	142	194,00	28,500	22,4	28,5
IPE 220	220	5,9	110,00	9,200	12,000	2772	205	252,00	37,300	26,2	33,4
IPE 240	240	6,2	120,00	9,800	15,000	3892	284	324,00	47,300	30,7	39,1
IPE 270	270	6,6	135,00	10,200	15,000	5790	420	429,00	62,200	36,1	45,9
IPE 300	300	7,1	150,00	10,700	15,000	8356	604	557,00	80,500	42,2	53,8
IPE 330	330	7,5	160,00	11,500	18,000	11770	788	713,00	98,500	49,1	62,6
IPE 360	360	8,0	170,00	12,700	18,000	16270	1040	904,00	123,000	57,1	72,7
IPE 400	400	8,6	180,00	13,500	21,000	23120	1320	1160,00	146,000	66,3	85,6
IPE 450	150	9,4	190,00	14,600	21,000	33740	1680	1500,00	176,000	77,6	100
IPE 500	500	10,2	200,00	16,000	21,000	48200	2140	1930,00	214,000	90,7	116,7
IPE 550	550	11,1	210,00	17,200	24,000	67120	2670	2440,00	254,000	106	134,4
IPE 600	600	12,0	220,00	19,000	24,000	98080	3387	3069,00	306,000	122	156

Tolerances: According to the standard EN 10034



IPN BEAMS

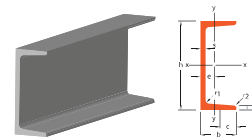


Designation	Dimensions (mm)						Moment of inertia (cm ⁴)		Section Module (cm ³)		Weight (Kg/m)	Area (cm ²)
	h	s	b	t	r ₁	r ₂	I _x	I _y	S _x	S _y		
IPN 80	80	3,9	42,00	5,900	3,900	2,3	78	6,30	19,500	3,0	5,94	7,57
IPN 100	100	4,5	50,00	6,800	4,500	2,7	171	12,20	34,200	4,9	8,34	10,6
IPN 120	120	5,1	58,00	7,700	5,100	3,1	328	21,50	54,700	7,4	11,1	14,2
IPN 140	140	5,7	66,00	8,600	5,700	3,4	573	35,20	81,900	10,7	14,3	18,2
IPN 160	160	6,3	74,00	9,500	6,300	3,8	935	54,70	117,000	14,8	17,9	22,8
IPN 180	180	6,9	82,00	10,400	6,900	4,1	1450	81,30	161,000	19,8	21,9	27,9
IPN 200	200	7,5	90,00	11,300	7,500	4,5	2140	117,00	214,000	26,0	26,2	33,4
IPN 220	220	8,1	98,00	12,200	8,100	4,9	3060	162,00	278,000	33,1	31,1	39,5
IPN 240	240	8,7	106,00	13,100	8,700	5,2	4250	221,00	354,000	41,7	36,2	46,1
IPN 260	260	9,4	113,00	14,100	9,400	5,6	5740	288,00	442,000	51,0	41,9	53,3
IPN 280	280	10,1	119,00	15,200	10,100	6,1	7509	364,00	542,000	61,2	47,9	61
IPN 300	300	10,8	125,00	16,200	10,800	6,5	9800	451,00	653,000	72,2	54,2	69
IPN 320	320	11,5	131,00	17,300	11,500	6,9	12510	555,00	782,000	84,7	61,0	77,7
IPN 340	340	12,2	137,00	18,300	12,200	7,3	15700	674,00	923,000	98,4	68,0	86,7
IPN 360	360	13,0	143,00	19,500	13,000	7,8	19610	818,00	1090,000	114	76,1	97
IPN 380	380	13,7	149,00	20,500	13,700	8,2	24100	975,00	1260,000	131	84,0	107
IPN 400	400	14,4	155,00	21,600	14,400	8,6	29210	1160,00	1460,000	149	92,4	118
IPN 425	425	15,3	163,00	23,000	15,300	9,2	36970	1440,00	1740,000	176	104	132
IPN 450	450	16,2	170,00	24,300	16,200	9,7	45850	1730,00	2040,000	203	115	147
IPN 475	475	17,1	178,00	25,600	17,100	10,3	56480	2090,00	2380,000	235	128	163
IPN 500	500	18,0	185,00	27,000	18,000	10,8	68740	2480,00	2750,000	268	141	179
IPN 550	550	19,0	200,00	30,000	19,000	11,9	99180	3490,00	3610,000	349	166	212
IPN 600	600	21,6	215,00	32,400	21,600	13,0	139000	4670,00	4630,000	434	199	254

Tolerances: According to the standard EN 10034



UPN CHANNELS

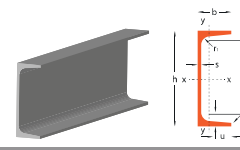


Designation	Dimensions (mm)						Moment of inertia (cm ⁴)		Section Module (cm ³)		Weight (Kg/m)	Area (cm ²)
	h	s	b	t	r ₁	r ₂	I _x	I _y	S _x	S _y		
UPN 80	80	6,0	45,00	8,000	8,000	4,0	106	19,40	26,500	6,36	8,6	11,0
UPN 100	100	6,0	50,00	8,500	8,500	4,5	206	29,30	41,200	8,49	10,6	13,5
UPN 120	120	7,0	55,00	9,000	9,000	4,5	364	43,20	60,700	11,1	13,4	17,0
UPN 140	140	7,0	60,00	10,000	10,000	5,0	605	62,70	86,400	14,8	16,0	20,4
UPN 160	160	7,5	65,00	10,500	10,500	5,5	925	85,30	116,000	18,3	18,8	24,0
UPN 180	180	8,0	70,00	11,000	11,000	5,5	1350	114,00	150,000	22,4	22,0	28,0
UPN 200	200	8,5	75,00	11,500	11,500	6,0	1910	148,00	191,000	27,0	25,3	32,2
UPN 220	220	9,0	80,00	12,500	12,500	6,5	2690	197,00	245,000	33,6	29,4	37,4
UPN 240	240	9,5	85,00	13,000	13,000	6,5	3600	248,00	300,000	39,6	33,2	42,3
UPN 260	260	10,0	90,00	14,000	14,000	7,0	4820	317,00	371,000	47,7	37,9	48,3
UPN 280	280	10,0	95,00	15,000	15,000	7,5	6280	399,00	448,000	57,2	41,8	53,3
UPN 300	300	10,0	100,00	16,000	16,000	8,0	8030	495,00	535,000	67,8	46,2	58,8
UPN 320	320	14,0	100,00	17,500	17,500	8,5	10870	597,00	679,000	80,6	59,5	75,8
UPN 350	350	14,0	100,00	16,000	16,000	8,0	12840	570,00	734,000	75,0	60,6	77,3
UPN 380	380	13,5	102,00	16,000	16,000	8,0	15760	615,00	829,000	78,7	63,1	80,4
UPN 400	400	14,0	110,00	16,000	16,000	9,0	20350	846,00	1020,000	102,0	71,8	91,5

Tolerances: According to the standard EN 10279



AMERICAN C CHANNELS

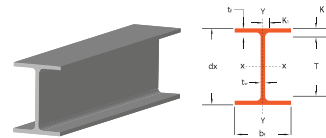


Designation	Dimensions (mm)							Section Module (cm ³)		Section Module (cm ³)		Weight (Kg/m)	Area (cm ²)
	h	s	b	t	r ₁	r ₂	d	I _x	I _y	S _x	S _y		
C 3 x 3.5	76,2	3,35	34,80	6,930	6,900	2,5	45,6	-	-	-	-	5,2	6,65
C 3 x 4.1	76,2	4,32	35,80	6,930	6,900	2,5	45,6	66,6	8,3	18,0	3,44	6,1	7,68
C 3 x 5.0	76,2	6,55	38,00	6,930	6,900	2,5	45,6	74,9	10,4	19,7	3,93	7,4	9,40
C 3 x 6.0	76,2	9,04	40,50	6,930	6,900	2,5	45,6	87,4	12,9	22,9	4,42	8,9	11,30
C 4 x 4.5	101,6	3,18	40,20	7,520	7,100	2,8	68,8	-	-	-	-	6,7	8,52
C 4 x 5.4	101,6	4,67	40,20	7,520	7,100	2,8	68,8	158,0	13,3	31,1	4,75	8,1	10,10
C 4 x 6.25	101,6	6,27	41,80	6,910	7,100	2,8	68,8	-	-	-	-	9,3	11,90
C 4 x 7.25	101,6	8,15	43,70	7,520	7,100	2,8	68,8	187,0	18,3	36,9	5,73	10,8	13,70
C 6 x 8.2	152,4	5,08	48,80	8,710	7,600	3,0	115	541,0	29,1	70,5	8,19	12,2	15,40
C 6 x 10.5	152,4	7,98	51,70	8,710	7,600	3,0	115	628,0	36,2	82,4	9,33	15,6	19,80
C 6 x 13.0	152,4	11,1	54,80	8,710	7,600	3,0	115	720,0	45,8	95,0	10,70	19,4	24,60
C 8 x 11.5	203,2	5,59	57,40	9,910	8,100	3,3	161	1344,0	54,1	133	12,90	17,1	21,70
C 8 x 13.75	203,2	7,70	59,50	9,910	8,100	3,3	161	1489,0	62,4	147	14,10	20,5	26,10
C 8 x 18.75	203,2	12,37	64,20	9,910	8,100	3,3	161	1818,0	83,2	179	16,40	27,9	35,40
C 10 x 15.3	254	61,10	66,00	11,100	8,600	3,6	207	2785,0	95,7	220	19,70	22,8	28,80
C 10 x 20.0	254	9,60	69,50	11,100	8,600	3,6	207	3267,0	117,0	257	21,60	29,8	38,00
C 10 x 25.0	254	13,40	73,30	11,100	8,600	3,6	207	3775,0	142,0	297	24,60	37,2	47,30
C 10 x 30.0	254	17,10	77,00	11,100	8,600	3,6	207	4287,0	167,0	338	27,50	44,6	56,80
C 12 x 20.7	304,8	7,10	74,70	12,700	9,700	4,3	252	5332,0	162,0	351	27,90	30,8	38,90
C 12 x 25.0	304,8	9,80	77,40	12,700	9,700	4,3	252	5970,0	187,0	392	31,10	37,2	47,20
C 12 x 30.0	304,8	12,90	80,50	12,700	9,700	4,3	252	6706,0	216,0	441	34,40	44,6	56,70

Tolerances: According to the standard ASTM A6



WF BEAMS



Designation (inches x lb/ft)		Dimensions (mm)					Moment of inertia (cm ⁴)		Section Module (cm ³)		Weight (Kg/m)	Area (cm ²)
		h	tw	b	tf	k	Ix	Iy	Sx	Sy		
W 4	13	106	711	103,0	8,76	12,7	470	161	89,5	31,1	19,3	24,7
	16	127	6,10	127,0	9,14	11,1	891	313	140,0	49,2	23,8	30,4
W 5	19	131	6,86	128,0	10,90	11,1	1090	380	167,0	59,5	28,1	35,9
	8,5	148	4,32	100,0	4,95	12,7	620	82,8	83,6	16,6	13,0	16,3
W 6	25	160	8,13	154,0	11,60	14,3	3710	712	274,0	91,9	37,1	47,4
	10	200	4,32	100,0	5,21	12,7	1280	87,0	128,0	17,4	15,0	19,1
W 8	67	229	14,50	210,0	23,70	23,8	11300	3690	990,0	351,0	100	127
	12	251	4,83	101,0	5,33	14,3	2240	90,7	179,0	18,0	17,9	22,8
W 10	112	290	19,20	264,0	31,80	25,4	29800	9820	2060,0	742,0	167	212
	14	302	5,08	101,0	5,72	14,3	3690	98,2	244,0	19,5	21,0	26,8
W 12	336	427	45,20	340,0	75,20	42,9	169000	49500	7910,0	2900,0	500	638
	22	348	5,84	127,0	8,51	19,1	8280	291	475,0	45,9	32,9	41,9
W 14	873	599	100	478,0	140,00	65,1	753000	257000	25100,0	10800,0	1300	1660
	26	399	6,35	140,0	8,76	19,1	12500	399	629,0	57,2	38,8	49,5
W 16	100	431	14,90	264,0	25,00	28,6	62000	7740	2870,0	585,0	149	190
	35	450	7,62	152,0	10,80	19,1	21200	637	944,0	83,9	52,0	66,5
W 18	311	566	38,60	305,0	69,60	34,9	290000	33100	10200,0	2160,0	464	591
	44	526	8,89	165,0	11,40	20,6	35100	862	1340,0	104,0	72,0	83,9
W 21	201	584	23,10	320,0	41,40	33,3	221000	22600	7550,0	1410,0	300	383
	55	599	10,00	178,0	12,80	25,4	56200	1210	1870,0	136,0	82,0	105
W 24	370	711	38,60	348,0	69,10	39,7	558000	48300	15700,0	2790,0	551	703
	84	678	11,70	254,0	16,30	27,0	119000	4410	3490,0	347,0	125	159
W 27	539	826	50,00	389,0	89,90	46,0	1070000	87800	25700,0	4540,0	802	1030
	90	749	11,90	264,0	15,50	27,0	150000	4790	4010,0	362,0	134	170
W 30	391	843	34,50	396,0	62,00	38,1	862000	64500	20500,0	3240,0	582	742
	118	836	14,00	292,0	18,80	28,6	246000	7780	5880,0	534,0	176	224
W 33	387	914	32,00	411,0	57,90	36,5	1010000	67400	22100,0	3280,0	576	735
	135	904	15,20	305,0	20,10	28,6	325000	9370	7190,0	618,0	201	257
W 36	925	1090	76,60	472,0	115,00	58,7	3040000	206000	55600,0	8700,0	1380	1750
	149	970	16,00	300,0	21,10	38,1	408000	9530	8410,0	636,0	222	283
W 40	655	1110	50,00	429,0	89,90	55,6	2350000	119000	42500,0	5570,0	975	1250
	230	1090	18,00	401,0	31,00	30,2	866000	33100	15900,0	1660,0	343	437
W 44	335	1120	26,20	404,0	45,00	33,3	1290000	49900	23100,0	2460,0	499	635

Tolerances: According to the standard ASTM A6

*Measurements are expressed in ranges



PIPELINES

They are sections manufactured from hot rolled steel sheets , square and rectangular structural tubing and welded by high frequency induction (ERW) and formed with direct forming technology (DFT) for its acronym in English.

Uses:

Used in different industries due to their versatility , such as architecture , infrastructure , agriculture , bodywork , engineering in general , among others. Its uses range from metal structures , columns , trusses , tractors , greenhouses , trailers , solar plants , etc.



Architecture



Infrastructure



Agriculture



Auto-parts



Engineering
works



Paneles
solares

Advantages:

- Manufactured with Italian technology ensuring a product of the best quality
- Great flexibility and efficiency in its manufacture by the method of formed (DFT)
- Reduction of costs and waste of material up to 10%
- Great variety of dimensions with high resistance and excellent weldability
- Easy installation quickly
- Allows an excellent cost-benefit ratio

Presentation:

- From 4 to 12 meters long.



PIPELINES

Chemical Composition				
Quality	%C (max)	%Mn (max)	%P (max)	% S (max)
ASTM A500 GR. A	0,30	1,40	0,045	0,045
ASTM A500 GR. B	0,30	1,40	0,045	0,045
ASTM A500 GR. C	0,27	1,40	0,045	0,045
ASTM A53 GR. A	0,25	0,95	0,050	0,045
ASTM A53 GR. B	0,30	1,20	0,050	0,045

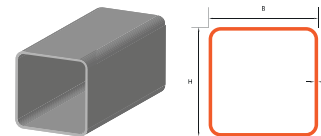
*The pre-galvanized fencing pipe is manufactured from galvanized sheet standard ASTM A653

Mechanical Properties Structural pipes and Fencing pipes			
Quality	Yield Strength		Elongation in 2" (50mm) min%
	psi	MPa	
ASTM A500 GR. A	46000	315	21,00
ASTM A500 GR. B	42000	290	23,00
ASTM A500 GR. C	33000	230	25,00
ASTM A53 GR. A	30000	205	20 avarage
ASTM A53 GR. B	35000	240	26 avarage

Mechanical Properties Structural Pipes Square and Rectangular			
Quality	Yield Strength		Elongation in 2" (50mm) min%
	psi	MPa	
ASTM A500 GR. A	50000	345	21,00
ASTM A500 GR. B	46000	315	23,00
ASTM A500 GR. C	39000	270	25,00



SQUARE PIPES

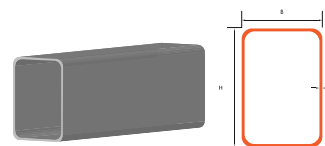


Size (mm)	Thickness (mm)																											
	1	1,3	1,4	1,5	1,7	1,8	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	7,0	7,5	8,0	9,0	9,5	10,0	11,5	11,75	12,0	13,0	14,0	15,0	
20 x 20																												
25 x 25																												
30 x 30																												
35 x 35																												
40 x 40																												
45 x 45																												
50 x 50																												
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110 x 110																												
113 x 113																												
120 x 120																												
125 x 125																												
140 x 140																												
150 x 150																												
160 x 160																												
175 x 175																												
180 x 180																												
200 x 200																												
220 x 220																												
250 x 250																												
275 x 275																												
280 x 280																												
300 x 300																												
400 x 400																												
500 x 500																												

Each size in special measures can be produced with a minimum requirement.



RECTANGULAR PIPES

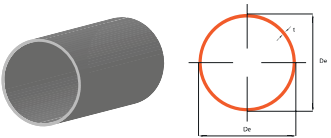


Size (mm)	Thickness (mm)																											
	1.0	1.3	1.4	1.5	1.7	1.8	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	7.5	8.0	9.0	9.5	10	12	12	12	12	13	14	15
25 x 20																												
30 x 20																												
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70 x 50																												
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90 x 60																												
96 x 48																												
100 x 40																												
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120 x 60																												
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120 x 100																												
130 x 50																												
140 x 60																												
140 x 80																												
145 x 60																												
150 x 50																												
150 x 75																												
160 x 60																												
160 x 80																												
172 x 92																												
180 x 60																												
180 x 120																												
180 x 140																												
200 x 100																												
200 x 150																												
220 x 140																												
240 x 120																												
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500 x 300																												
500 x 400																												
600 x 200																												
600 x 300																												
600 x 400																												

Each size in special measures can be produced with a minimum requirement.



ROUND PIPES

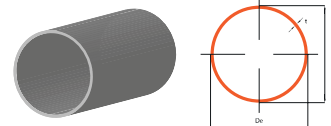


Nominal Diameter (mm)	Thickness (mm)																			
	1,2	1,5	2,0	2,5	3,0	4,0	4,5	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	20,0	30,0
3/4"																				
1"																				
1.2"																				
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3"																				
3.5"																				
4"																				
5"																				
6"																				
8"																				
10"																				
12"																				
16"																				
245 - 820 (mm)																				
500 - 1450 (mm)																				

Size in special measures can be produced with a minimum quantity by reference.



FENCING PIPES PRE-GALVANIZED AND BLACK

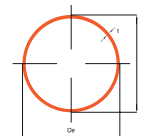
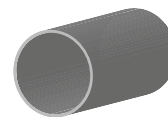


External Diameter		Thickness (mm)												
(in)	(mm)	0,75	0,80	0,85	0,90	0,95	1,00	1,50	1,60	2,00	2,10	2,20	2,30	2,50
1/2"	18,00													
	19,00													
	20,00													
	21,30													
3/4"	25,00													
	25,40													
	26,50													
	27,20													
1"	30,00													
	31,00													
	32,00													
	33,40													
1-1/4"	35,00													
	38,00													
	40,00													
	41,00													
1-1/2"	42,00													
	44,50													
	47,00													
	47,50													
2"	48,30													
	50,00													
	50,80													
	56,00													
2-1/2"	57,00													
	59,00													
	59,50													
	60,30													
3"	73,00													
	75,00													
	76,30													
4"	87,00													
	113,0													

Size in special measures can be produced with a minimum quantity by reference.



EMT ELECTRIC PIPES (CONDUIT)



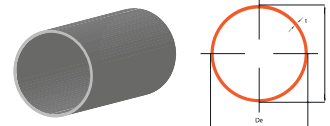
Size Designator		Nominal Outside Diameter		Nominal Wall Thickness		Length	
in.	Metric	in.	mm	in.	mm	mm	mm
1/2"	16	0.706	17.93	0.042	1.07	3000	3050
3/4"	21	0.922	23.42	0.049	1.24	3000	3050
1"	27	1.163	29.54	0.057	1.45	3000	3050
1 1/4"	35	1.510	38.35	0.065	1.65	3000	3050
1 1/2"	41	1.740	44.20	0.065	1.65	3000	3050
2"	53	2.197	55.80	0.065	1.65	3000	3050
2 1/2"	63	2.875	73.03	0.072	1.83	3000	3050
3"	78	3.500	88.90	0.072	1.83	3000	3050
3 1/2"	91	4.000	101.60	0.083	2.11	3000	3050
4"	103	4.500	114.30	0.083	2.11	3000	3050

Accord to ANSI C80.3, UL797

Finish: Pre-galvanized / Hot dip galvanized (UL Listed)



IMC ELECTRIC PIPES (CONDUIT)



Size Designator		Nominal Outside Diameter		Nominal Wall Thickness		Length	
U.S.	Metric	in.	mm	in.	mm	ft.	mm
1/2"	16	0.815	20.70	0.078	1.98	10	3000
3/4"	21	1.029	26.10	0.083	2.10	10	3000
1"	27	1.290	32.77	0.093	2.35	10	3000
1 1/4"	35	1.638	41.59	0.095	2.42	10	3000
1 1/2"	41	1.883	47.82	0.100	2.54	10	3000
2"	53	2.360	59.93	0.105	2.67	10	3000
2 1/2"	63	2.857	72.57	0.150	3.81	10	3000
3"	78	3.476	88.29	0.150	3.81	10	3000
3 1/2"	91	3.971	100.86	0.150	3.81	10	3000
4"	103	4.466	113.44	0.150	3.81	10	3000

Accord to ANSI C80.6, UL1242
Finish: Hot dip galvanized



PROFILES

They are profiles manufactured on the basis of hot-rolled steel billets and finished with smooth surfaces.

Uses:

Widely used in industries such as energy and telecommunications, ideal for the construction of steel structures such as transmission towers, manufacturing columns, beams, trusses, doors, structures and for locksmiths in general.



Electric towers and telecommunications



Infrastructure



Engineering works



Locksmith

Advantages:

- Easy installation quickly.
- High weldability that allows easy integration with other construction systems.
- Great variety of dimensions.
- Allows an excellent cost-benefit ratio.

Presentation:

- 6 to 12 meters long.



PROFILES

Chemical Composition				
Quality	%C (max)	%Mn (max)	%P (max)	% S (max)
ASTM A572 GR. 50	0,27	1,35	0,04	0,05
ASTM A529 GR. 50	0,27	1,35	0,04	0,05
ASTM A36	0,26	1,20	0,04	0,05

* European qualities are also available: S235, S275 & S355

* SAE 1008 grade is also available for square and round bars.

Mechanical Properties			
Quality	Yield Strength		Elongation %
	ksi	MPa	
ASTM A572 GR. 50	50	345	21,00
ASTM A529 GR. 50	50	345	21,00
ASTM A36	36	250	23,00

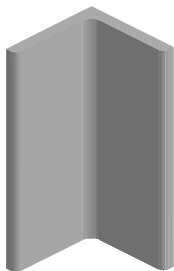


ANGLES AND FLAT BARS

EQUAL FLANGE ANGLES

Size (mm)	Thickness range		
	min		max
19x19	2.10	-	3.50
20x20	2.10	-	5.00
25x25	2.10	-	6.00
30x30	2.10	-	6.00
35x35	2.10	-	5.00
40x40	2.10	-	6.00
45x45	2.70	-	6.00
50x50	2.70	-	6.00
60x60	4.00	-	8.00
65x65	4.50	-	8.00
70x70	4.50	-	8.00
75x75	4.50	-	10.00
80x80	6.00	-	10.00
90x90	6.00	-	10.00
100x100	6.00	-	12.00
110x110	8.00	-	15.00
120x120	8.00	-	16.00
130x130	8.00	-	16.00
140x140	9.00	-	16.00
150x150	9.50	-	18.00
160x160	14.00	-	17.00
180x180	13.00	-	20.00
200x200	15.00	-	26.00

Size (in)	Thickness range		
	min		max
3/4"	0,109"	-	1/4"
1"	3/32"	-	1/4"
1 1/4"	3/32"	-	1/4"
1 1/2"	3/32"	-	1/4"
1 3/4"	3/32"	-	1/4"
2"	1/8"	-	1/4"
2 1/2"	3/16"	-	1/4"
3"	3/16"	-	3/8"
3 1/2"	1/4"	-	3/8"
4"	1/4"	-	1/2"
5"	5/16"	-	1/2"
6"	3/8"	-	3/4"



FLAT BARS

Size (mm)	Thickness range		
	min		max
10	2.50	-	6.00
11	2.50	-	6.00
12	2.50	-	6.00
14	2.50	-	7.00
16	2.70	-	8.00
18	2.70	-	9.00
19	2.70	-	9.00
20	2.70	-	10.00
25	2.70	-	10.00
30	2.70	-	10.00
32	2.70	-	10.00
40	2.70	-	10.00
50	2.80	-	15.00
60	6.00	-	15.00
65	6.00	-	15.00
70	6.00	-	15.00
75	6.00	-	15.00
80	6.00	-	15.00
90	6.00	-	15.00
100	6.00	-	15.00
120	8.00	-	18.00
130	8.00	-	18.00
140	8.00	-	18.00
150	8.00	-	18.00

Size (in)	Thickness range		
	min		max
1/2"	1/8"	-	1/4"
5/8"	1/8"	-	1/4"
3/4"	1/8"	-	1/4"
1"	1/8"	-	3/8"
1 1/4"	1/8"	-	3/8"
1 1/2"	1/8"	-	3/8"
2"	1/8"	-	5/8"
2 1/2"	1/4"	-	5/8"
3"	1/4"	-	5/8"
3 1/2"	1/4"	-	5/8"
4"	1/4"	-	5/8"
5"	5/16"	-	5/8"
6"	5/16"	-	5/8"



ROUND AND SQUARE BARS

SQUARE BAR

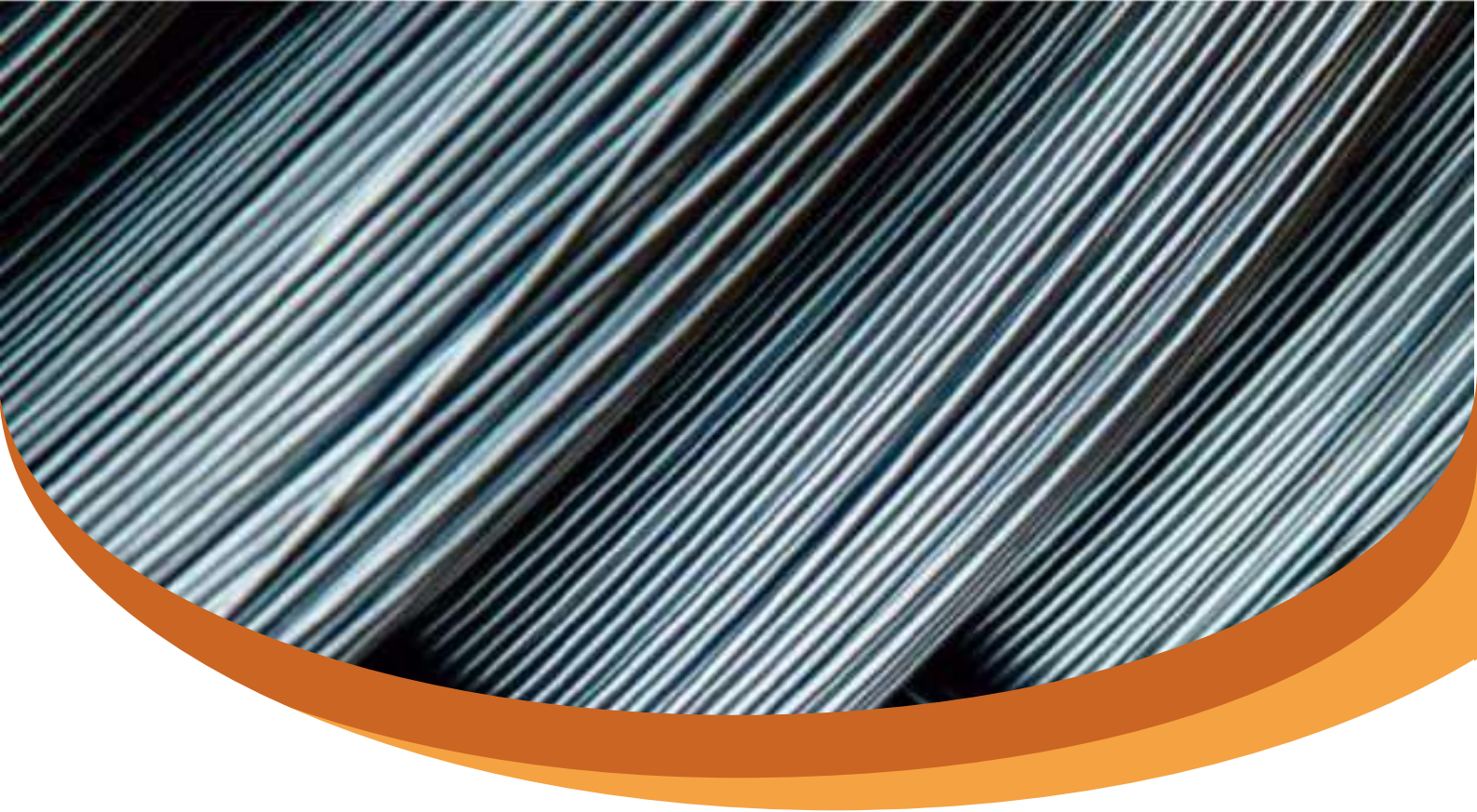
Size	Size
(mm)	(in)
8x8	3/8"x3/8"
9x9	1/2"x1/2"
9.5x9.5	5/8"x5/8"
10x10	3/4"x3/4"
11.0x11.0	7/8"x7/8"
11.5x11.5	1"x 1"
12x12	2"x 2"
13x13	
14x14	
15x15	
16x16	
18x18	
20x20	
25x25	
30x30	
40x40	
50x50	



ROUND BAR

Size	Size
(mm)	(in)
4.50	1/4"
5.00	5/16"
5.50	3/8"
6.00	1/2"
6.50	5/8"
7.00	3/4"
7.50	7/8"
8.00	1"
9.00	1 1/4"
9.50	
10.00	
11.00	
11.50	
12.00	
13.00	
14.00	
15.00	
16.00	
18.00	
19.00	
20.00	
25.00	
30.00	





Steel Wire Products

WIRES

Steel wires are products made from cold or hot rolled steel bars. They are known for their high strength and durability, thanks to their high carbon density and chemical composition.

Uses:

Steel wires are used in a variety of industrial processes, such as the manufacture of electrical cables, construction mesh, fencing, in the automotive industry, etc.



Machinery



Infrastructure



Engineering works



Agriculture



Electric towers and telecommunications

Advantages:

- High mechanical resistance : they have a high tensile and flexural resistance, which makes them ideal for applications where high resistance is required.
- Durability: Steel wires are highly resistant to corrosion and weathering, making them ideal for outdoor applications.
- Easy to work with: Steel wires are easy to bend, cut and weld, making them ideal for applications where high flexibility is required in the manufacturing process.

Presentation:

- In rolls, spools, strips



WIRES

GALVANIZED WIRES

Type	Standar	Thickness (mm)	Tensile Strength (Mpa)	Coating (g/m2)	Packing
Greenhouse, Husbandry	ASTM, JIS, DIN, GB/T	1.8 - 4.0	400 - 1700	40-920 g/m2	Coil, Spool
Fruit Bags	GB/T343	0.50 - 0.70	300 - 500	12-40	Spool 7kg / 14kg
High-voltage network	ASTM, JIS, GB/T, YB/T	1.57-4.77 (1*3, 1*7, 1*19, 1*37)	1300 - 1960	210-900	Coil, Spool
General Processes	ASTM, JIS, DIN, GB/T	0.15 - 1.6	350 - 500	15	Coil, Spool
Building Reinforcement	ASTM, JIS, DIN, GB/T	0.63 - 1.6	350 - 500	45	Coil
Staples	ASTM, JIS	0.4 - 2.0	900 - 1200	8-16	Coil, Spool
Mesh and fencing	ASTM, JIS, YB/T, BS EN	1.2 - 8	-	40-800	Coil, Spool
Drawing Wire	ASTM	0.11, 0.13, 0.16, 0.18, 0.20 0.25, 0.30, 0.35, 0.40	900 - 1120	Galvanized or Brilliant	Spool
Handle Wire	ASTM	2.6, 3.15, 3.65, 4.0	650 - 850	Galvanized	Coil
Coathanger Wire	ASTM	1.6, 1.8, 2.0, 2.2	700 - 900	Galvanized	Coil
Hairpin Wire	ASTM	0.88, 0.99, 1.13, 1.4	-	Galvanized & Phosphate	Coil
Nail Wire	ASTM	1.6 - 5.0	800 - 1150	8-16	Coil

Galvanized wires are mainly used for fencing construction, cyclone mesh, roofing construction, tying and fastening, for the agricultural industry to support plants, as well as used in the industry of shipbuilding, bridge construction, construction roads, buildings, high voltage lines, among others.

GENERAL USE WIRES

Type	Standar	Thickness (mm)	Tensile Strength (Mpa)	Coating (g/m2)	Packing
Black Annealed Wire	ASTM, GB/T	0.63-4.5	350 - 500	N/A	Coil, Spool
Flat	ASTM	2.50 x 0.50, 2.20 x 0.60, 2.20 x 0.70, 1.80 x 0.60, 1.50 x 0.50, 0.90 x 0.60	650 - 950	Galvanized or Coppered	Spool

Black wire and Flat wire is used for construction, bridges, roads, buildings, power lines, and electrical and electronic wiring.

MESH

Type	Standar	Size	Width x Length	Packing
Hexagonal Mesh	GB/T343	1"-3/8"	1 x 200 m	Coils

Hexagonal mesh is used for fencing, reinforcement, rock protection, roofing, insulation, shipbuilding, and highways.





Aluminum Products

ALUMINUM

Aluminum in coils, sheets and discs is a product obtained through lamination processes. Aluminum is known for its high corrosion resistance and low weight, making it ideal for applications where weight and corrosion resistance are important.

Uses:

Aluminum is mainly used in the manufacture of components and structures in construction, the automotive industry, packaging manufacturing, the aerospace industry, electronic components, the lighting industry, and decoration. In addition, they are used to produce kitchen utensils, panels and other products.



Infrastructure



Engineering
works



Auto-parts



Home appliances



Cans



Lighting

Advantages:

- Low weight: aluminum is much lighter than steel, which makes it ideal for applications where it is required to reduce the weight of the final product.
- High resistance to corrosion: Aluminum is highly resistant to corrosion, making it ideal for outdoor applications or in humid environments.
- Has good thermal and electrical conductivity.
- Aluminum is easy to cut, bend, weld and machine, making it ideal for a variety of manufacturing processes.

Presentation:

- In roll, sheet, strips and discs



ALUMINUM

COILS, SHEETS AND CIRCLES

Products	Alloy	Temper	Width (mm)	Thickness (mm)	Use
Heat Treated Alloy Plate	2014 2024 2A12 2017 6063 6082 7075 6005A 6013 6016 6015 6061	T351 T651 T7451 T73 T42 T4 T6 T651	500-3100	0.6-300	Precision mold , aircraft skin , electronics casing , telecommunication equipment, computer casing, aluminum alloy plate for vehicle , military and aerospace, etc.
Plate	1050A 1050 1060 1070 1100 1350 3005 5005 5A03 5A05 5052 5083 5086 5182 5251 5754 5252 5A06 5059 6061 6063 6082 6005 5056 6101	O H12 H14 H18 H111 H112 H116 H321 F	500-3100	4.5-300	Automotive, defense, transport, shell, pressure tank, etc.
Deep Drawing Quality	1050 1060 1070 1100 3003 3004 3005 3104 3105 3206 5182 5052 5A06 5252 8011	O H12 H14 H18 H19	30-2600	0.15-3.5	Storage, cookware, electrics, car, lightning fixture, etc.
Anodizing Quality Sheet	1050 1060 1070 1100 3003 3004 3005 3104 5052 5083 5086 5182 5251 5754 5252	O H12 H14 H16 H18 H19 H22 H24 H26 H28 H34 H36 H38 H39	30-2600	0.2-7.0	Railway transportation, automotive marine, electronics, building and construction, molds, etc.
Tread Plate	1050 1060 1070 1100 3003 3004 3005 3104 5052 5083 5086 5182 5251 5754 5252	H2 H4 T4 T6	100-2600	0.8-7.0	Floor and decorative material for buildings, vehicles and boats.
Sheet and plate	1060 3003 5052 6061 4017 5754 6063 6082	O F H12 H14 H16 H18 H19 H22 H24 H26 H28 H32 H34 H36 H38 H321 H111 H112 H114 H116 T4 T6 T651	30-3000	0.2-600	Marine, automotive, building material, cell phone keys and card tray, metal hardware, etc.
Brazing Sheet	3003 3004 3005 3104 3105 5005 5042 5052 5083 5086 5182 5251 5754 5454 5051 5A02 5A05 6M63 6M61 6061 6063 6082 6Y13	O H14 H16 H18	≤ 2200	1.0-3.0	Oxygen production equipment, automotive radiator, etc.

Aluminum alloy products such as heat-treated alloy plates, plates, stamping grade, anodized, diamond or alfafor plate, and welding foil are used in a variety of industrial applications. These alloys are used in the manufacture of components and structures for construction, the automotive industry, the manufacturing of containers, the aerospace industry, electronic components, the lighting and decoration industry. Likewise, they are used in the production of kitchen utensils, panels and other products.



ALUMINUM

COILS, SHEETS AND CIRCLES

Products	Alloy	Temper	Width (mm)	Thickness (mm)	Use
PS base stock CTP base stock	1060 1050A	H18	400-1600	0.1-0.5	Positive PS Base stock, heat-sensitive CTP stock, and other print sheet base stock
Battery shell stock	3003 3005	H14 H16 H18	200-1500	0.4-4.0	Mobile battery shell end, power battery shell and other shell stock
Cap stock	1060 3104 5052 8011 1070 3105 5182 1085	O H12 H14 H16 H18 H19	100-1600	0.15-2.5	Wine, soft drinks, cosmetics packaging, cap stock and others
Painted coil	1060 3003 5052 1100 3004	H42 H44 H46 H48	≤1600	0.2-2.5	Building Material, furniture, electronics cases, road sign and others
Mirror surface coil	1050 1060 11100 1070 3003	H16 H18	500-1600	0.28-1.6	Light fixtures, furniture, electronic product casing, road sign and others
Pharmaceutical foil	8011 8021 8079	H18 O	100-1600	0.01-0.2	Pharmaceutical capsule packaging, tablet packaging
Battery Shell Foil	8021 8079 1235	O	100-1600	0.015-0.055	Battery soft pack foil and other fields
Electrode capacitor foil	1070 3003 1100A	H18	100-1600	0.016-0.4	Electronic components and other fields
Tape Foils	1060 8011 1235	O H18	100-1600	0.016-0.4	Refrigerator, air conditioning, automobile, hotel electronics and other industries
Food packaging foil	1060 3003 8011 1100 3004 8021 8006 5052 8079	H24 H22 H18 O	300-1100	0.01-0.2	Food packaging and other fields
Hear sealing foil	1060 8011 8021	O	300-1100	0.01-0.1	Food packaging and other fields

Aluminum products include PS and CTP base sheets, battery casing, container caps, painted coil, mirror surface coil, pharmaceutical foil, battery casing foil, electrode condenser foil, tape foil, foil for food packaging and sealing foil foil. These products are widely used in the pharmaceutical, battery, packaging, decoration, lighting, electronics, and food packaging industries. The specific use varies depending on the type of product and its alloy.





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T E X O

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