



**AK EXPORT
IMPORT**

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FORWARD

Warm smiles and old world service are the order of the day at our office located in the heart of Istanbul.

Established in 2008 AKEXPORT focuses exclusively on the supply of a wide range of steel products to suit the needs of today's international market.

Combining our expertise and services innovatively and effectively, gives us the ability to offer our customers a complete solution, what ever the project requirement, wherever in the world.

We are continually expanding our reach and evaluating new markets for which a local presence would bring a strategic advantage both to us and to our customers.

Our philosophy in business stems from our continuous aim to serve our customers in the most professional way, and maintain their satisfaction at a prominent maximum through delivering the optimum performance and business efficiency to customers at all times.

This is being reached through: Consolidating materials from multiple sources ,managing production, processing, quality assurance, inspection, documentary requirements and custom clearance formalities.

We value your business and always look forward to building a productive mutually beneficial relationship.

We love our community, and we hope to make you a part of it.

MUSTAFA AKMAN
CEO

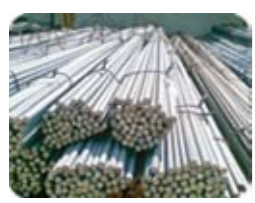


REBAR

Rebar sizes: 6mm upto 50mm (european sizes) - 0.25" upto 2.26" (us inch size)
 Rebar packaging can be arranged as per requirements ranging from:



U Shaped folded Bundles weighing upto 2 Metric Tons and lengths ranging from 12 Meters upto 24 Meters.



Unfolded / Straight Bundles weighing upto 2 Metric Tons and lengths ranging from 6 Meters upto 24 Meters.



Rounded Coils ~ upto 2 Metric Ton Coils for Bending / Cutting Machine use.

Several international standards are:

- TURKEY : TS 708
- FRANCE: NF A35-016
- SPAIN: UNE 36 068-94
- CHILE: NCH 204-2006
- UK : BS 4449
- GERMANY: DIN 488
- ITALY: UNI
- PERU: NTP 341.031
- USA : ASTM A 615 / 706
- SINGAPUR: SS 2
- BRASIL: NBR 7480:2008

Other international standards can be supplied please contact for further details

US sizes

ASTM A615/A615M:
 Deformed and plain carbon-steel bars for concrete reinforcement

U.S. rebar size chart							
Imperial bar size	"Soft" metric size	Mass per unit length		Nominal diameter		Cross Sectional area	
		lb/ft	(kg/m)	(in)	(mm)	(in ²)	(mm ²)
#2	#6	0.167	0.249	0.250 = 1/4	6.35	0.05	32
#3	#10	0.376	0.561	0.375 = 3/8	9.525	0.11	71
#4	#13	0.668	0.996	0.500 = 1/2	12.7	0.20	129
#5	#16	1.043	1.556	0.625 = 5/8	15.875	0.31	200
#6	#19	1.502	2.24	0.750 = 3/4	19.05	0.44	284
#7	#22	2.044	3.049	0.875 = 7/8	22.225	0.60	387
#8	#25	2.670	3.982	1.000	25.4	0.79	509
#9	#29	3.400	5.071	1.128	28.65	1.00	645
#10	#32	4.303	6.418	1.270	32.26	1.27	819
#11	#36	5.313	7.924	1.410	35.81	1.56	1006
#14	#43	7.650	11.41	1.693	43	2.25	1452
#18	#57	13.60	20.284	2.257	57.3	4.00	2581

European sizes

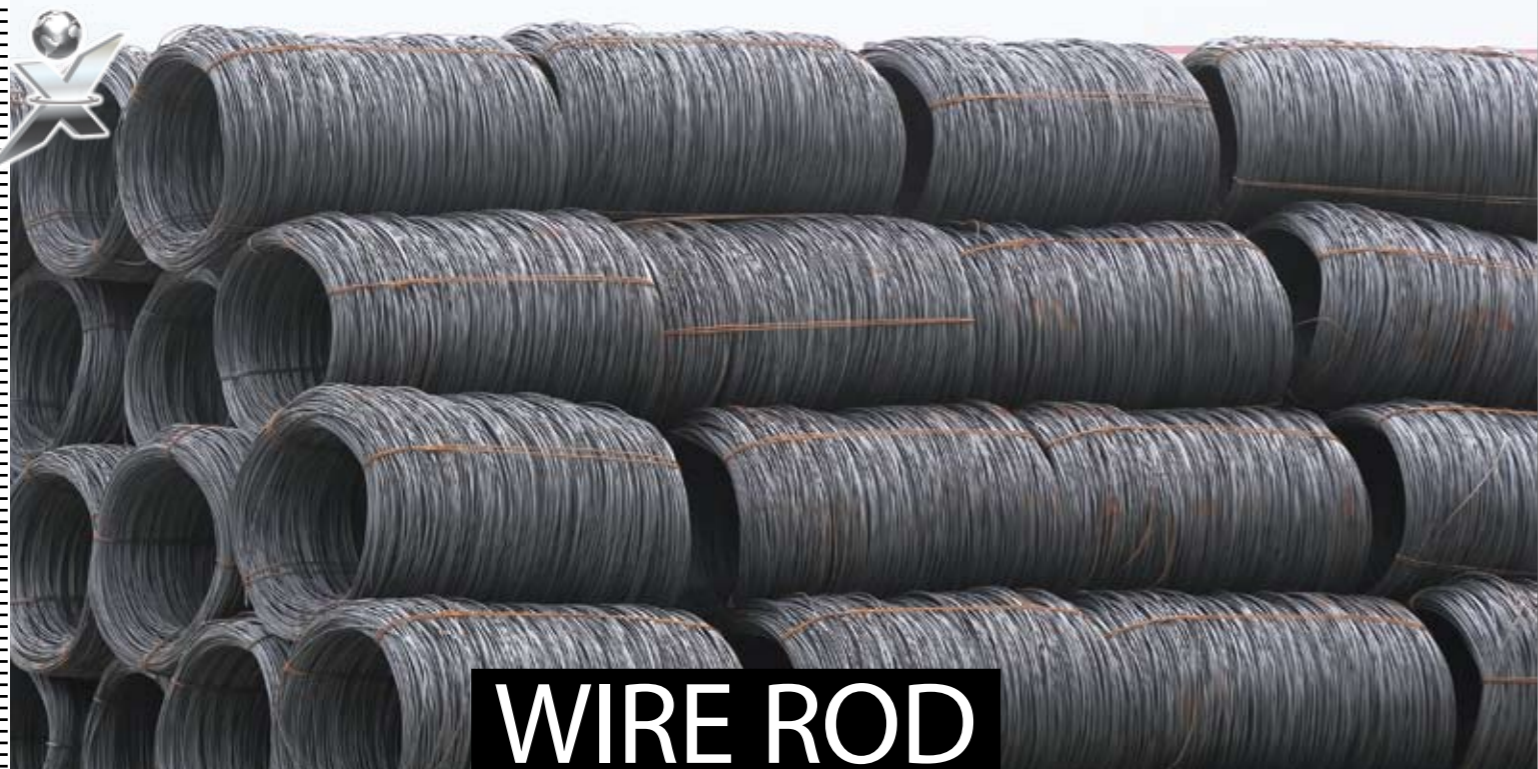
Metric bar size	Mass per unit length (kg/m)	Nominal diameter (mm)	Cross-sectional Area (mm ²)
6,0	0.222	6	28.3
8,0	0.395	8	50.3
10,0	0.617	10	78.5
12,0	0.888	12	113
14,0	1.21	14	154
16,0	1.579	16	201
20,0	2.467	20	314
25,0	3.855	25	491
28,0	4.83	28	616
32,0	6.316	32	804
40,0	9.868	40	1257
50,0	15.413	50	1963

SIZE (mm)	C	Mn	Si	P	S	Ni	Cr	Mo	V	Cu	Ceq	N	(Yield point) Re : N/mm2 (Kg/mm2)	(Tensile strength) Rm : N/mm2 (Kg/mm2)
8	0.20	0.70	0.14	0.024	0.033	0.11	0.12	0.019	0.004	0.49	0.39	0.0041	525	609
10	0.18	0.63	0.13	0.014	0.030	0.16	0.10	0.020	0.004	0.34	0.34	0.0070	520	618
12	0.19	0.71	0.14	0.013	0.038	0.14	0.08	0.021	0.005	0.34	0.35	0.0086	528	605
14	0.21	0.68	0.13	0.034	0.026	0.11	0.11	0.021	0.004	0.45	0.39	0.0097	557	645
16	0.22	0.67	0.14	0.030	0.033	0.11	0.09	0.020	0.004	0.42	0.39	0.0067	548	652

ASTM A615 GR60														
CHEMICAL COMPOSITION (max.) %												Physical Properties (min.)		
SIZE (mm)	C	Mn	Si	P	S	Ni	Cr	Mo	V	Cu	Ceq		(Yield point) Re : N/mm2 (Kg/mm2)	(Tensile strength) Rm : N/mm2 (Kg/mm2)
8	0.36	1.20	0.22	0.0023	0.036	0.11	0.04	0.015	0.008	0.44	0.61		453	675
10	0.33	1.21	0.21	0.0029	0.037	0.12	0.08	0.015	0.008	0.43	0.59		438	651
12	0.35	1.26	0.24	0.018	0.034	0.14	0.06	0.020	0.007	0.33	0.60		439	681
14	0.17	0.81	0.19	0.019	0.031	0.10	0.07	0.014	0.005	0.38	0.35		581	660
16	0.38	1.33	0.23	0.019	0.038	0.11	0.06	0.013	0.007	0.29	0.64		462	716

ASTM A615 GR60														
CHEMICAL COMPOSITION (max.) %												Physical Properties (min.)		
SIZE (inch)	C	Mn	Si	P	S	Ni	Cr	Mo	V	Cu			(Yield point) Re : N/mm2 (Kg/mm2)	(Tensile strength) Rm : N/mm2 (Kg/mm2)
3/8"	0.28	0.77	0.19	0.015	0.028	0.09	0.05	0.011	0.0001	0.25			540	678
1/2"	0.30	0.78	0.20	0.013	0.031	0.09	0.07	0.011	0.0001	0.26			516	659
5/8"	0.29	0.77	0.21	0.021	0.017	0.10	0.08	0.012	0.0001	0.23			515	656
3/4"	0.28	0.76	0.20	0.016	0.024	0.10	0.06	0.013	0.0001	0.26			512	656
1"	0.29	0.76	0.20	0.014	0.021	0.10	0.07	0.012	0.0001	0.25			549	693

Chemical composition given above in table are given as sample for information from rebars produced and supplied earlier. For more detail please contact us.



WIRE ROD

Offering Steel Wire Rod having wide range of standards and qualities conforming to the customers' needs and purpose for use in welding electrode, steel mesh, wire, bolts, spring, bending / cutting machine use, cut to bend sizes.

Dimension diameters starting from 5.5MM upto 20MM. Sizes above can be request separately

Plain wirerod starting from 5.5 mm upto 20 mm in diameter (PLAIN)

Ribbed wirerod starting from 6 mm. upto 16 mm. in diameter (DEFORMED)



Rounded Coils ~ upto 3 Metric Ton Coils for Bending / Cutting Machine use.

Several international standards are available

Chemical Composition					
Grade	C	Mn	S Max	p Max	n Max
SAE 1006	0.8 max	0.25-0.40	0.025	0.020	0.012
SAE 1008	0.10 max	0.30-0.50	0.030	0.020	0.012

WIRE ROD HIGH CARBON STEELS

EN 10016-2	DIN 17140-1	EN 10016-4	ASTM A 510M
C48D (1.0517)	D45-2 (1.0517)	C46D2 (1.1162)	AISI 1045
C50D (1.0586)	D50-2 (1.0586)	C48D2 (1.1164)	AISI 1049
C52D (1.0588)	D53-2 (1.0588)	C50D2 (1.1171)	AISI 1050
C56D (1.0518)	D55-2 (1.0518)	C52D2 (1.1202)	AISI 1053
C58D (1.0609)	D58-2 (1.0609)	C56D2 (1.1220)	AISI 1055
C60D (1.0610)	D60-2 (1.0610)	C58D2 (1.1212)	AISI 1059
C62D (1.0611)	D63-2 (1.0611)	C60D2 (1.1228)	AISI 1060
C66D (1.0612)	D65-2 (1.0612)	C62D2 (1.1222)	AISI 1064
C68D (1.0613)	D68-2 (1.0613)	C66D2 (1.1236)	AISI 1065
C70D (1.0615)	D70-2 (1.0615)	C68D2 (1.1232)	AISI 1069
C80D (1.0622)	D80-2 (1.0622)	C70D2 (1.1251)	AISI 1070
		C80D2 (1.1255)	AISI 1080

WIRE ROD ENGINEERING STEELS

EN 10016-2	ASTM A 510M
C7D(1.0313)	AISI 1006
C9D (1.0304)	AISI 1008
C10D (1.0310)	AISI 1010
C12D (1.0311)	AISI 1012
C15D (1.0413)	AISI 1015
C18D (1.0416)	AISI 1017
C20D (1.0414)	AISI 1020
C26D (1.0415)	AISI 1025
C32D (1.0530)	AISI 1030
C38D (1.0516)	AISI 1038
C42D (1.0541)	AISI 1042

WIRE ROD COLD HEADING AND COLD EXTRUSION STEELS

EN10263-2	ASTM A 510M
C7C (1.0313)	AISI 1006
C8C (1.0213)	AISI 1008
C10C (1.0214)	AISI 1010
C15C (1.0234)	AISI 1015
C17C (1.0434)	AISI 1018
C20C (1.0411)	AISI 1021

STEEL WIRE

Quality:	According to ASTM, BS, DIN, JIS and EN standards		
Product	Material Quality	Diameter	Packing/weight
Cold Drawn Wire	Low / High carbon	0,70mm - 8,00mm	25kg - 500kg / Coils
Bright Drawn Wire	Low Carbon	1,20mm - 5.0 mm	25kg - 500kg / Coils
Galvanized	Low - High carbon	0,85mm - 8,00mm	25kg-700kg / Coils
Annealed wire	Low Carbon	0,50mm - 8,00mm	1kg - 700kg / Coils
Copper Coated Wire	Low Carbon - copper coated	1.00mm - 6,00mm	1kg - 300kg / Coils - Reel
PVC coated	low - High Carbon	1,50mm - 4,00mm	25kg-500kg / Coil
Oiled Baling wire	Low Carbon, annealed, oiled	1,60mm - 4,00mm	25kg - 50kg / Coils
Barbed wire	PVC coated low-High carbon, Galvanized	1,50mm - 2,00mm / 1,70mm - 2,50mm	15kg - 40kg / Rolls
Razor Wire	Galvanized	2,50mm - wire dia / 0,50mm - Razor thickness	9m-17m / Rolls
Electro Galvanized	low / high carbon	3,00mm - 12,00mm	25kg - 500kg / Coils
	electrolytic method of coating of zinc ions on the surfaces		
Straightened & Cut Wire	Cold drawn / Galvanized	2,00mm - 8,00mm - diameter 200mm-6000m - lenght	Bundles upto 2MTon
Spring Wire	High Carbon SL(A) - SM(B) - SH(C)	0,20MM - 13,00MM	25kg upto 250kg / Coils
SG2 Gas Shielding welding wire	MIG/MIG welding wire		coil / Box
PC strand wire	High Carbon	6,53mm - 17,78mm	coil / reels
single strand	High Carbon	2mm - 24mm	wooden Reels
	single strand	1x7, 1x19, 1x37	
Wire Rope	High Carbon	3mm - 85mm	wooden Reels
	Rope Group: 6x7, 6x19, 6x25, 6x36, 6x37, 6x41, 7x18, 7x19, 8x19, 8x25, 8x36, 8x41		

Product Standard: TS 4559, TS 2500 EN 10270, TS EN 10257, TS 5287 EN 10263, TS EN 10218 TS EN 10244, TSN EN 10245, BS 443, BS 1442, DIN 1548, ASTM A 475, ASTM B 232, ASTM A 475, ASTM B 498, ASTM B 500, TS EN 50189,

Raw Material Standards: TS 2348 EN 10016 (SAE 1006, SAE 1008, SAE 1010, SAE 1018 SAE 1030, SAE 1045, SAE 1060, and equiv.)



MESH WIRE

Welded wire mesh is a prefabricated steel reinforcing material. It is manufactured from cold drawn, ribbed and high yield strength steel wires especially used in construction.

Our production complies with Turkish Standards TS 4559 but our factory is well capable of producing according to DIN 488, BS 4483, NF A 35-016 and ASTM A185 standards up on request.

Standard sizes are normally held in stock are 2.15 m. by 5.00 m.

Wire size thickness starts from 4.0mm upto 12.0

Welded Wire mesh can be produced according to the customer's requirements in two different shapes: R Type and or Q Type, based on their placement working special dimensions can be manufactured

1-R TYPE MESHES FOR ONE WAY PLACEMENT.
TYPES AVAILABLE

- R 106, R 131, R 158, R 188, R 221, R 257, R 295, R 317, R 335, R 377, R 390, R 424, R 443, R 473, R 503, R 513, R 524, R 567, R 577, R 589, R 589, R 634, R 636, R 709, R 785, R 866

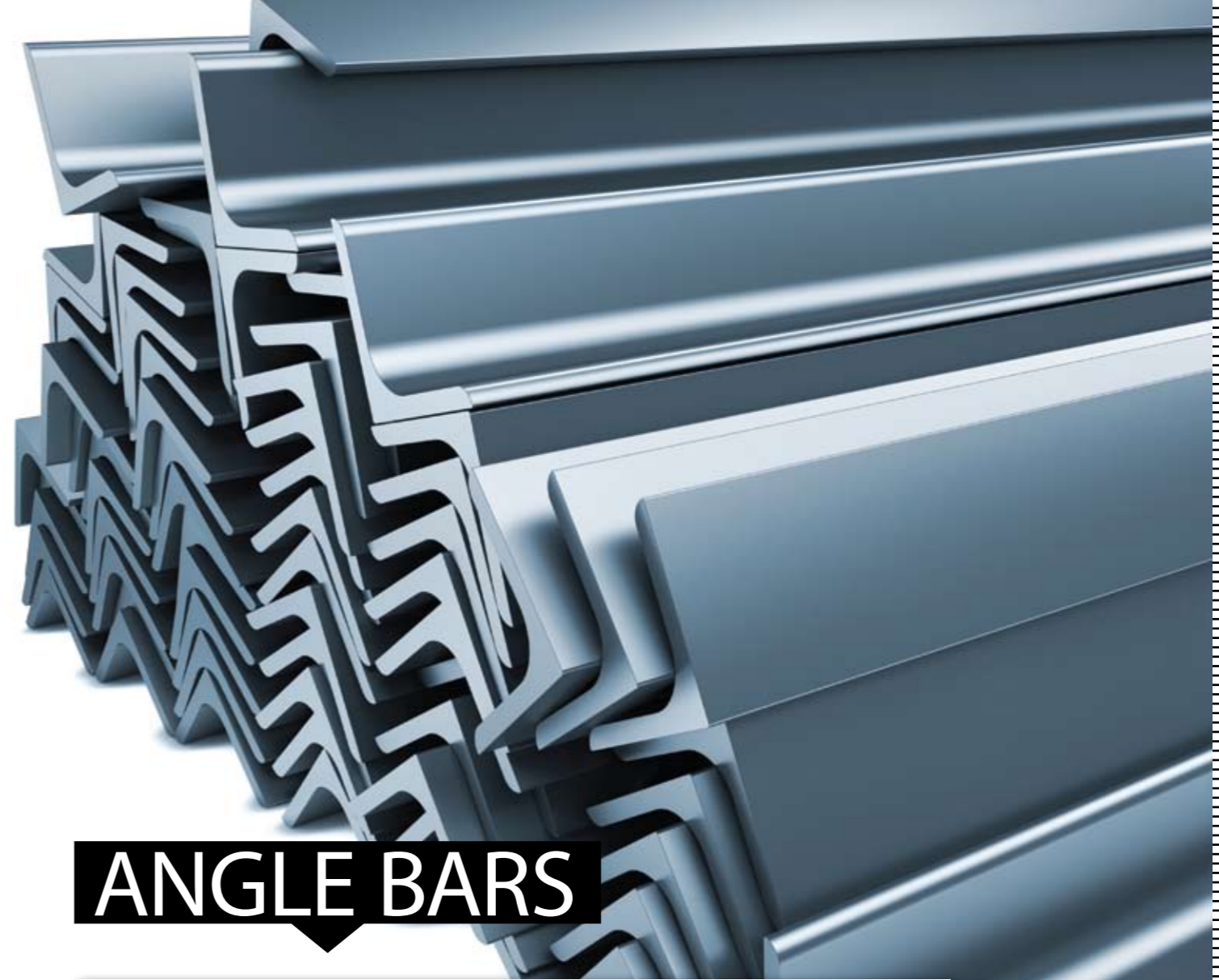
2. Q TYPE MESHES FOR DUAL WAY PLACEMENT.
TYPES AVAILABLE

- Q106/106, Q131/131, Q158/158, Q188/188, Q221/221, Q257/257, Q295/295, Q317/317, Q335/335, Q377/377, Q424/424, Q443/443, Q473/473, Q503/503, Q513/513, Q524/524, Q589/589, Q589/589, Q634/634, Q636/636, Q709/424, Q785/785

Some of other standar types of mesh available:

- BS 4483: A 142, A193, A252, A393 – B283, B385, B503, B785, B1131 – C283, C385, C503, C636, C785 – D98, D49

- NF A 35-016: P 131R, P 188R, P 221R, P 283R, P 385R, P503R, P 636R, P 221C, P 385C, P 636C



ANGLE BARS

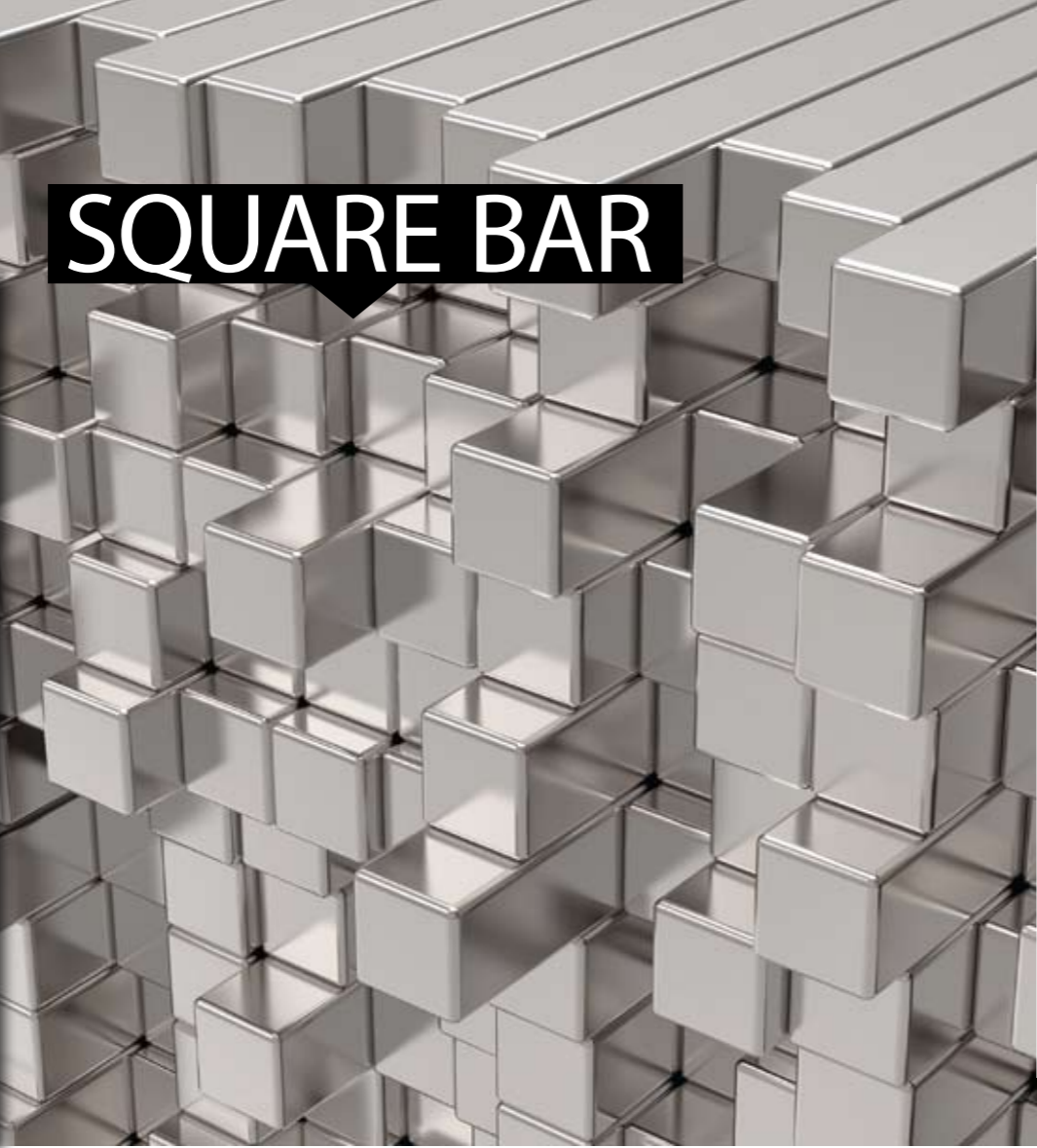
		ANGLE BARS																		
Weight		2.2	2.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	18	20	25
Size																				
20x20		•	•	•																
25x25		•	•	•	•															
30x30			•	•	•	•														
35x35			•	•	•	•	•													
38x38			•	•	•	•	•													
40x40			•	•	•	•	•													
45x45				•	•	•	•													
50x50				•	•	•	•	•												
55x55					•	•	•	•	•											
60x60					•	•	•	•	•	•										
63x63						•	•	•	•	•										
65x65						•	•	•	•	•										
70x70						•	•	•	•	•	•									
75x75						•	•	•	•	•	•	•								
80x80							•	•	•	•	•	•	•							
90x90								•	•	•	•	•	•	•						
100x100									•	•	•	•	•	•	•					
110x110										•	•	•	•	•	•	•				
120x120											•	•	•	•	•	•	•			
130x130												•	•	•	•	•	•	•		
150x150													•	•	•	•	•	•	•	•
160x160														•	•	•	•	•	•	•
180x180															•	•	•	•	•	•
200x200																•	•	•	•	•

Dimensions: DIN 1028 / ASTM A6-05
Tolerances: EN 10056-2-1993 / ASTM A6-05



SQUARE BAR

SQUARE BAR	
Size (mm)	Weight (kg/m)
8	
10	0,785
12	1,130
13	1,330
14	1,540
15	1,770
16	2,010
18	2,540
20	3,140
22	3,800
24	4,520
25	4,910
26	5,310
28	6,150
30	7,070
32	8,040
35	9,620
40	12,600
45	15,900
50	19,600



Dimensions: DIN 1014-1:1976 / ASTM A6-05
Tolerances: EN 10059-2003 / ASTM A6-05

ROUND BAR



ROUND BAR	
Size (mm)	Weight (kg/m)
8	
10	0,617
12	0,888
13	1,040
14	1,210
15	1,390
16	1,580
18	2,000
19	2,230
20	2,470
22	2,980
24	3,550
25	3,850
26	4,170
27	4,490
28	4,830
30	5,550
32	6,310
35	7,550
36	7,990
38	8,900
40	9,860
42	10,900
45	12,500
48	14,200
50	15,400

Dimensions: DIN 1013-1 / ASTM A6-05
Tolerances: EN 10060-2003 / ASTM A6-05

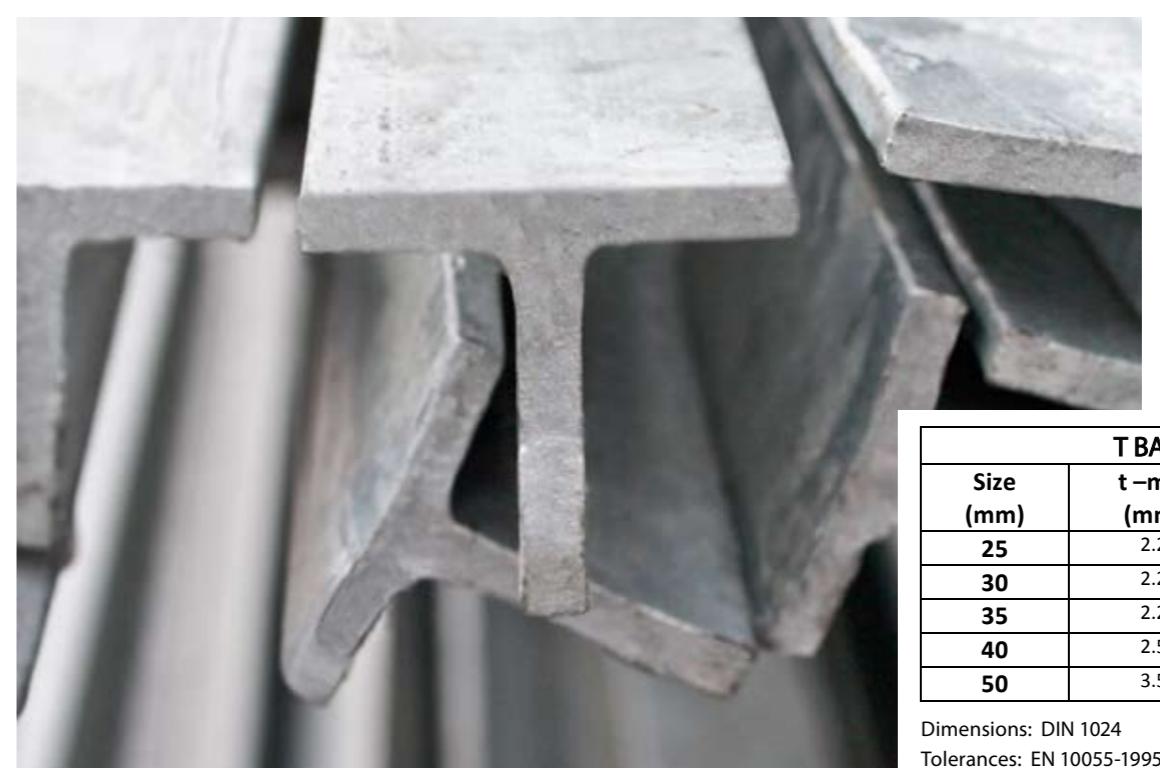
FLAT BARS



Size (mm)	FLAT BAR																			
	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14	15	16	18	20	25	30	30	40
14	•	•	•	•	•	•	•	•												
16	•	•	•	•	•	•	•	•												
18	•	•	•	•	•	•	•	•												
20	•	•	•	•	•	•	•	•												
25	•	•	•	•	•	•	•	•												
30	•	•	•	•	•	•	•	•												
35	•	•	•	•	•	•	•	•												
40	•	•	•	•	•	•	•	•												
45	•	•	•	•	•	•	•	•												
50	•	•	•	•	•	•	•	•												
60				•	•	•	•	•												
70				•	•	•	•	•												
80				•	•	•	•	•												
90				•	•	•	•	•												
100				•	•	•	•	•												
120				•	•	•	•	•												
125				•	•	•	•	•												
130				•	•	•	•	•												
135				•	•	•	•	•												
140				•	•	•	•	•												
145				•	•	•	•	•												
150				•	•	•	•	•												

Dimensions: DIN 1017-1:1967 / ASTM A6-05
Tolerances: EN 10058-2003 / ASTM A6-05

T BAR



T BARS		
Size (mm)	t-min (mm)	t-max (mm)
25	2.2	3.5
30	2.2	4.0
35	2.2	4.5
40	2.5	5.0
50	3.5	6.0

Dimensions: DIN 1024
Tolerances: EN 10055-1995



IPE A-AA-AAA-AAAA

IPE A - AA - AAA - AAA						
Size		h (mm)	b (mm)	s (mm)	t (mm)	G (kg/m ²)
80	IPE	80	46	3.8	5.2	6,000
	IPE A	78	46	3.3	4.2	5,000
	IPE AA	78	46	3.2	4.2	4,900
	IPE AAA	78	46	3.0	4.0	4,690
	IPE AAAAA	76	46	2.9	3.1	3,000
100	IPE	100	55	4.1	5.7	8,100
	IPE A	98	55	3.6	4.7	6,900
	IPE AA	97.6	55	3.6	4.5	6,700
	IPE AAA	97	55	3.4	4.3	6,410
	IPE AAAAA	96	55	2.9	3.6	4,460
120	IPE	120	64	4.4	6.3	10,400
	IPE A	117.6	64	3.8	5.1	8,700
	IPE AA	117	64	3.8	4.8	8,400
	IPE AAA	117	64	3.5	4.6	7,900
	IPE AAAAA	115	64	3.0	3.9	6,730
140	IPE	140	73	4.7	6.9	12,900
	IPE A	137.4	73	3.8	5.6	10,500
	IPE AA	136.6	73	3.8	5.2	10,100
	IPE AAA	136	73	3.5	5.0	9,520
	IPE AAAAA	134	73	3.3	4.1	8,300
160	IPE	160	82	5.0	7.4	15,800
	IPE A	157	82	4.0	5.9	12,700
	IPE AA	156.4	82	4.0	5.6	12,100
	IPE AAA	156	82	3.7	5.4	11,760
	IPE AAAAA	154	82	3.6	4.3	13,040
180	IPE	180	91	5.3	8.0	18,800
	IPE A	177	91	4.3	6.5	15,400
	IPE AA	176.4	91	4.3	6.2	14,900
	IPE AAA	176	91	3.9	6.0	14,130
	IPE AAAAA	174	91	3.9	4.9	12,570
200	IPE	200	100	5.6	8.5	22,400
	IPE A	197	100	4.5	7.0	18,400
	IPE AA	196.4	100	4.5	6.7	18,000
	IPE AAA	196	100	4.1	6.5	17,900
	IPE AAAAA	193	100	4.1	5.12	17,120
220	IPE	220	110	5.9	9.2	26,200
	IPE A	217	110	5.0	7.7	22,200
	IPE AA	216.4	110	4.7	7.4	21,200
240	IPE	240	120	6.2	9.8	30,700
	IPE A	237	120	5.2	8.3	26,200
	IPE AA	236.4	120	4.8	8.0	24,900
270	IPE	260	135	6.6	10.2	36,100
	IPE A	267	135	5.5	8.7	30,700
300	IPE	300	150	7.1	10.7	42,200
	IPE A	297	150	6.1	9.2	36,500

Dimensions: DIN 1025-1:1995
Tolerances: EN 10034-1993

HEA-HEB

HEA / HEB						
Size		h (mm)	b (mm)	s (mm)	t (mm)	G (kg/m ²)
100	HEA	96	100	5.0	8.0	16.7
	HEB	100	100	6.0	10.0	20.4
120	HEA	114	120	5.0	8.0	19.9
	HEB	120	120	6.5	11.0	26.7
140	HEA	133	140	5.5	8.5	24.7
	HEB	140	140	7.0	12.0	33.7
160	HEA	152	160	6.0	9.0	30.4
	HEB	160	160	8.0	13.0	42.6
180	HEA	171	180	6.0	9.5	35.5
	HEB	180	180	8.5	14.0	51.2
200	HEA	190	200	6.5	10.0	42.3
	HEB	200	200	9.0	15.0	61.3
220	HEA	210	220	7.0	11.0	50.5
	HEB	220	220	9.5	16.0	71.5
240	HEA	230	240	7.5	12.0	60.3
	HEB	240	240	10.0	17.0	83.2
260	HEA	250	260	7.5	12.5	68.2
	HEB	260	260	10.0	17.5	93.0
280	HEA	270	280	8.0	13.0	76.4
	HEB	280	280	10.5	18.0	103.0
300	HEA	290	300	8.5	14.0	88.0
	HEB	300	300	11.0	19.0	117.0
320	HEA	310	300	9.0	15.5	97.6
	HEB	320	300	11.5	20.5	127.0
340	HEA	330	300	9.5	16.5	105.0
	HEB	340	300	12.0	21.5	134.0
360	HEA	350	300	10.0	17.5	112.0
	HEB	360	300	12.5	22.5	142.0
400	HEA	390	300	11.0	19.0	125.0
	HEB	400	300	13.5	24.0	155.0
450	HEA	440	300	11.5	21.0	140.0
	HEB	450	300	14.0	26.0	171.0
500	HEA	490	300	12.0	23.0	155.0
	HEB	500	300	14.5	28.0	187.0
550	HEA	540	300	12.5	24.0	166.0
	HEB	550	300	15.0	29.0	199.0
600	HEA	590	300	13.0	25.0	178.0
	HEB	600	300	15.5	30.0	212.0
650	HEA	640	300	13.5	26.0	190.0
	HEB	650	300	16.0	31.0	225.0
700	HEA	690	300	14.5	27.0	204.0
	HEB	700	300	17.0	32.0	241.0
800	HEA	790	300	15.0	28.0	224.0
	HEB	800	300	17.5	33.0	262.0
900	HEA	890	300	16.0	30.0	252.0
	HEB	900	300	18.5	35.0	291.0
1000	HEA	990	300	16.5	31.0	272.0
	HEB	1000	300	19.0	36.0	314.0

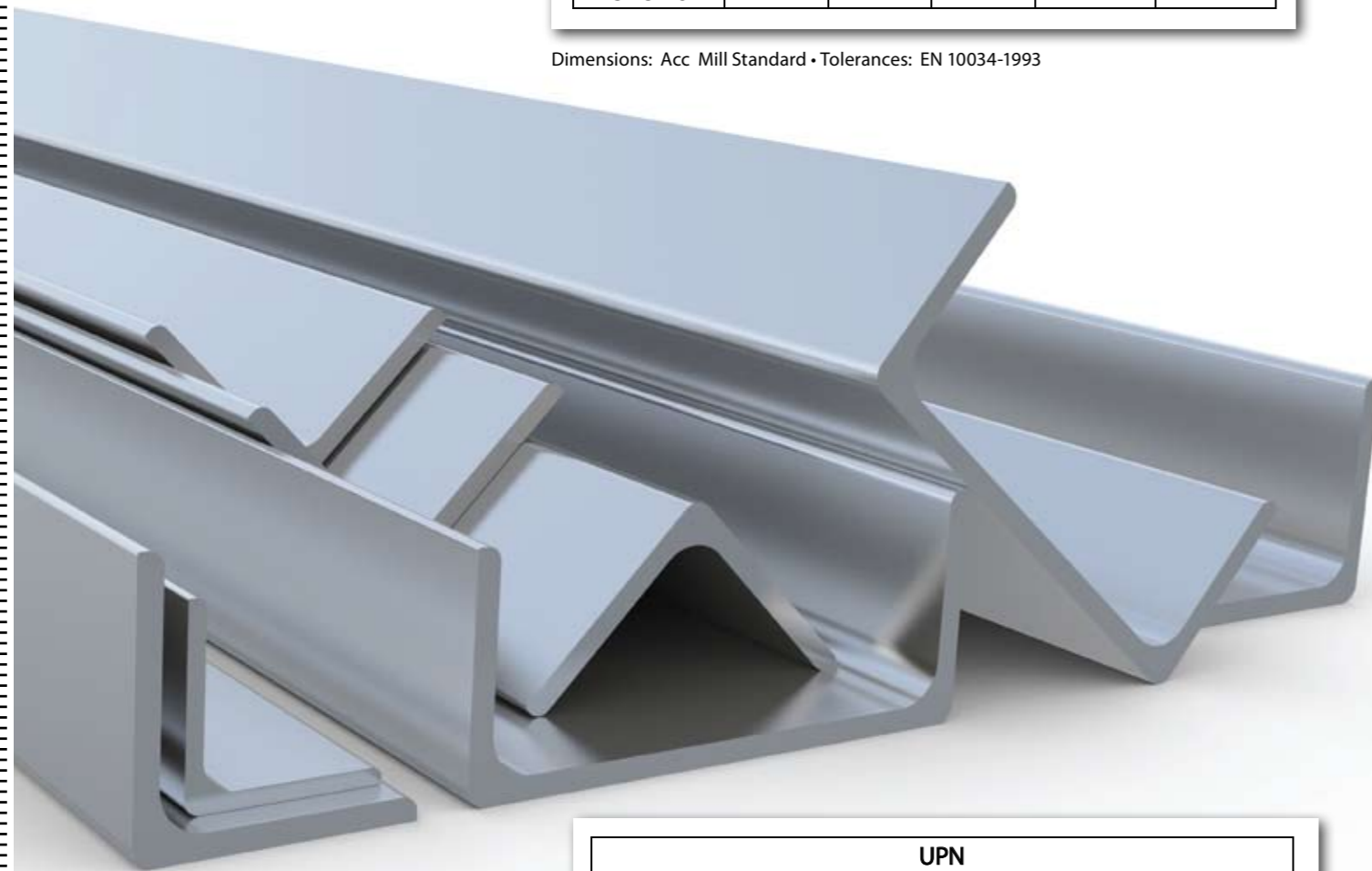
Dimensions: HEA DIN 1025-3:1994 (IPBI series)
Dimensions: HEB DIN 1025-2:1995 (IPB series)
Tolerances: EN 10034-1993



UAC

UAC					
Size	h (mm)	b (mm)	s (mm)	t (mm)	G (kg/m ²)
UAC 30	30	15.0	3.2	3.5	1,450
UAC 35	35	17.4	3.2	4.0	1,840
UAC 40	40	20.0	3.5	4.8	2,200
UAC 50	50	25.0	3.6	5.4	3,160
UAC 60	60	30.0	4.3	5.1	4,050
UAC 70	70	39.3	5.0	6.0	6,740

Dimensions: Acc. Mill Standard • Tolerances: EN 10034-1993



UPN

UPN					
Size	h (mm)	b (mm)	s (mm)	t (mm)	G (kg/m ²)
UPN 30	30	15	4.0	4.5	1,740
	30	33	5.0	7.0	4,270
UPN 40	40	20	5.0	5.5	2,870
	40	35	5.0	7.0	4,870
UPN 50	50	25	5.0	6.0	3,860
	50	38	5.0	7.0	5,590
UPN 65	65	42	5.5	7.5	7,090
UPN 80	80	45	6.0	8.0	8,640
UPN 100	100	50	6.0	8.5	10,600
UPN 120	120	55	7.0	9.0	13,400
UPN 140	140	60	7.0	10.0	16,000
UPN 160	160	65	7.5	10.5	18,800
UPN 180	180	70	8.0	11.0	22,000
UPN 200	200	75	8.5	11.5	25,300
UPN 220	220	80	9.0	12.5	29,400
UPN 240	240	85	9.5	13.0	33,200
UPN 260	260	90	10.0	14.0	37,900
UPN 280	280	95	10.0	15.0	41,800
UPN 300	300	100	10.0	16.0	46,200

Dimensions: DIN 1025-1:1995 • Tolerances: EN 10034-1993

IPN

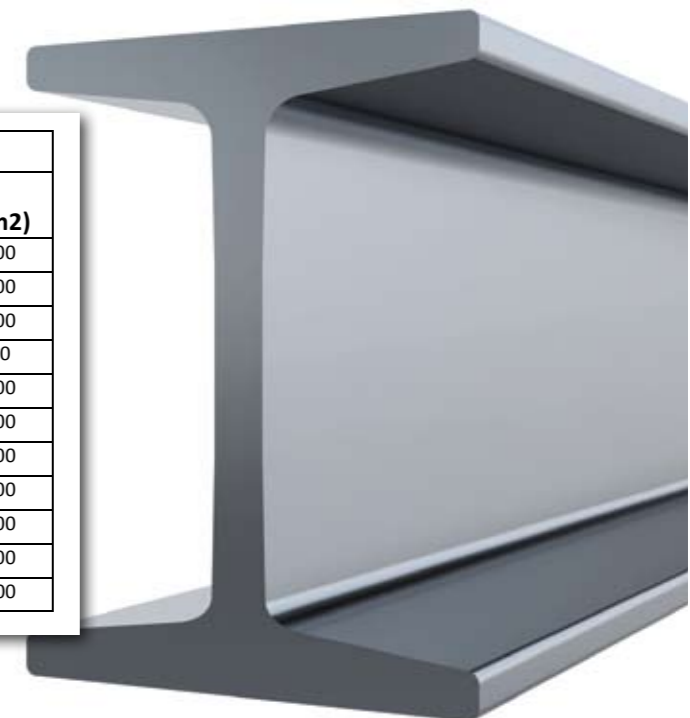
IPN					
Size	h (mm)	b (mm)	s (mm)	t (mm)	G (kg/m ²)
IPN 80	80	42	3.9	5.9	5,940
IPN 100	100	50	4.5	6.8	8,340
IPN 120	120	58	5.1	7.7	11,100
IPN 140	140	66	5.7	8.6	14,300
IPN 160	160	74	6.3	9.5	17,900
IPN 180	180	82	6.9	10.4	21,900
IPN 200	200	90	7.5	11.3	26,200
IPN 220	220	98	8.1	12.2	31,100
IPN 240	240	106	8.7	13.1	36,200
IPN 260	260	113	9.4	14.1	41,900
IPN 280	280	119	10.1	15.2	47,900
IPN 300	300	125	10.8	16.2	54,200

Dimensions: DIN 1025-1:1995
Tolerances: EN 10024-1996

RSJ

RSJ					
Size	h (mm)	b (mm)	s (mm)	t (mm)	G (kg/m ²)
76x76x13	76.2	76.2	5.1	8.4	12,800
76x76x15	76.2	80.0	8.9	8.4	15,000
89x89x19	88.9	88.9	9.5	9.9	19,500
102x44x7	101.6	44.5	4.3	6.1	7,500
102x102x23	101.6	101.6	9.5	10.3	23,000
114x114x27	114.3	114.3	9.5	10.7	26,900
127x76x16	127.0	76.2	5.6	9.6	16,500
127x114x27	127.0	114.3	7.4	11.4	26,900
127x114x29	127.0	114.3	10.2	11.5	29,300
152x127x37	152.4	127.0	10.4	13.2	37,300
203x152x52	203.2	152.4	8.9	16.5	52,300

Dimensions: BS 4-1:2005
Tolerances: EN 10024-1995





FLAT PRODUCTS-ACC TO QUALITY

FLAT PRODUCTS – ACC TO QUALITY

Product	Standard	Grade	Erdemir Grade No	General Applications
Hot Rolled	SAE J403 - 01	1008	3008	Low a carbon steels of commercial quality for general uses
		1010	3010	Medium carbon steels of commercial quality for general uses
		1012	3012	Medium carbon steels of commercial quality for general uses
	DIN EN 10025 - P2 - 06	S235 JR	3237	Non-alloy carbon steels of structural quality for general purposes
		S275 JR	3244	Non-alloy carbon steels of structural quality for general purposes
		E295	3250	High-strength non alloyed high carbon steels
		E335	3260	High-strength non alloyed high carbon steels
		S235 JR (Cu)	3281	Non-alloy carbon steels of structural quality for general purposes
		S275 JRC	4044	Non-alloy carbon steels of structural quality for general purposes
		S235 JR	4237	Non-alloy carbon steels of structural quality for general purposes
		S275 JR	4244	Non-alloy carbon steels of structural quality for general purposes
	DIN EN 10149 - P2 - 99	S315 MC	4932	High-strength steels with improved formability
		S355 MC	4936	High-strength steels with improved formability
		S420 MC	4942	High-strength steels with improved formability
		S460 MC	4946	High-strength steels with improved formability
	SAE J403 - 01	1006	6006	Low a carbon steels of commercial quality for general uses
		DIN EN 10111 - 09	DD 11	6222
	DD 12		6223	Drawing quality steels and Steels for cold forming
	DD 13		6224	Drawing quality steels and Steels for cold forming
	DD 11 (Cu)		6282	Drawing quality steels and Steels for cold forming
DIN EN 10025 - P2 - 06	S235 J2 +N	6237	Non-alloy carbon steels of structural quality for general purposes	
	S355 J2 +N	6252	Non-alloy carbon steels of structural quality for general purposes	
DIN EN 10120 - 97	P245NB	6837	Gas Cylinders	
	P265NB	6842	Gas Cylinders	
Cold Rolled	Erdemir - 01	1110	1110	Commercial quality steels
	SAE J403 - 01	1006	6106	Commercial quality steels
	SAE J403 - 01	1008	6108	Commercial quality steels
	DIN EN 10130 - 08	DC O1	6112	Low carbon drawing quality steels
		DC O3	6113	Low carbon drawing quality steels
		DC O4	6114	Extra deep drawing steels
		DC O1	7111	Low carbon drawing quality steels
		DC O4	7114	Extra deep drawing steels
	DIN EN 10268 - 06	DC O5	7115	Extra deep drawing steels
		HC260 LA	7125	High strength steels with improved formability
		HC300 LA	7128	High strength steels with improved formability
		HC340 LA	7132	High strength steels with improved formability
		HC380 LA	7136	High strength steels with improved formability
	DIN EN 10209 - 03	HC420 LA	7140	High strength steels with improved formability
		DC O1 EK	7512	Drawing steels for porcelain enameling
		DC O4 EK	7513	Drawing steels for porcelain enameling
	DIN 1623 - P2 - 86	DC O6 ED	7514	Drawing steels for porcelain enameling
St 37-3 G		6137	Non-alloy med.car. steel	
JIS G 3125 - 04	SPA - C	9160	Atmospheric corrosion resistance steel	
Hot-Dip Zinc Coated (Galvanized)	DIN EN 10346 - 09	DX51D + Z	1311	Low carbon steels for cold forming
		DX52D + Z	1312	Low carbon steels for cold forming
		DX53D + Z	1313	Low carbon steels for cold forming
		DX54D + Z	1314	Low carbon steels for cold forming
		S220GD + Z	1322	Structural Steels
		S250GD + Z	1325	Structural Steels
		S280GD + Z	1328	Structural Steels
		S320GD + Z	1332	Structural Steels
S350GD + Z	1335	Structural Steels		

FLAT PRODUCTS-ACC TO SECTIONS

FLAT PRODUCTS - ACC TO SECTIONS

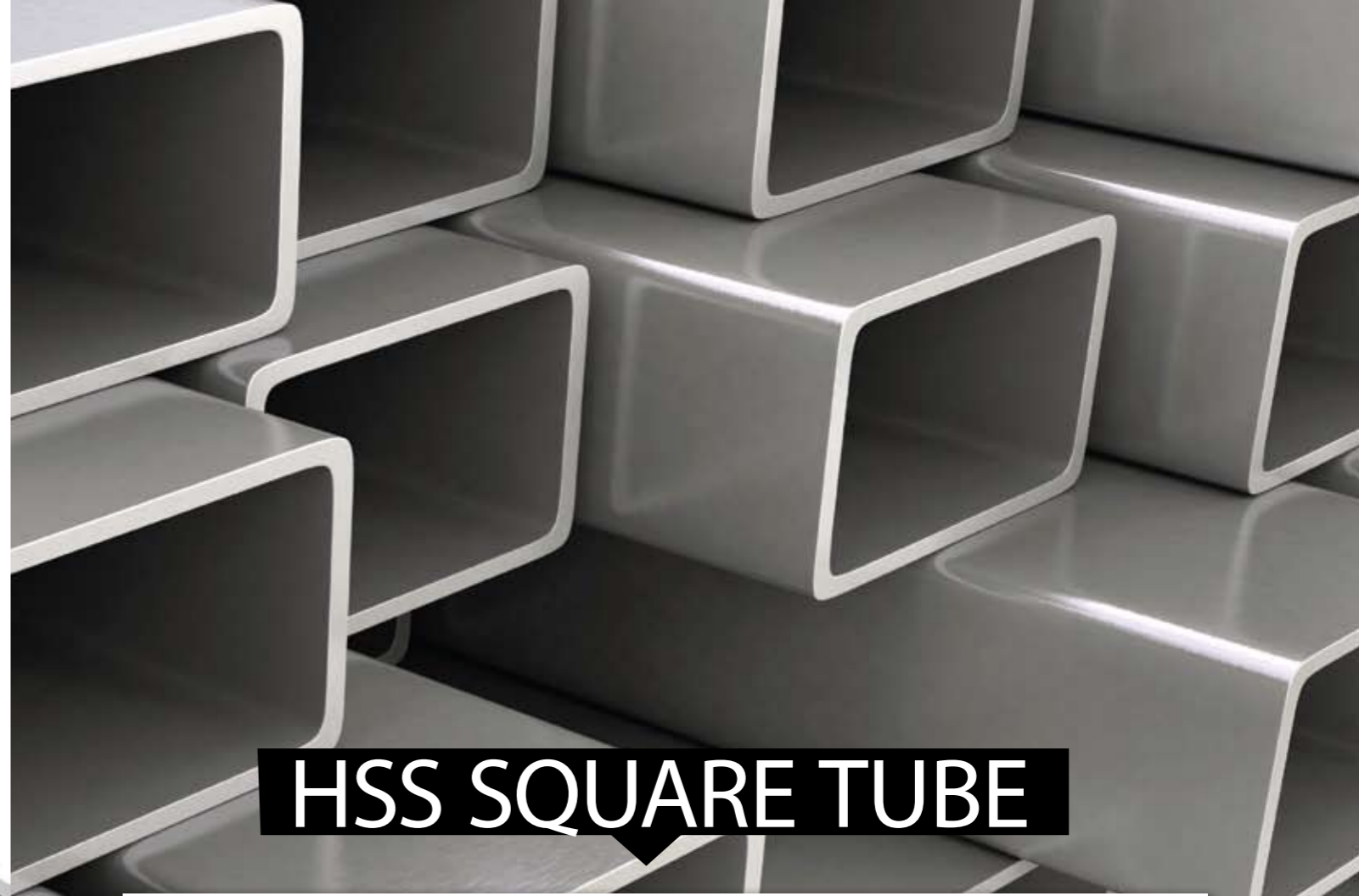
COILS	HRP (Hot Rolled Pickelled)	Hot rolled coils of the HCL (hydrochloric acid) is already cleared. The sheets with a clean Surface that have been cleaned in the cleaning line can be oiled upon customers' requests. The materials according to customers' requirements are sold as rolls or cut lengths. The main function of the put cleaning lines, is the cold rolling is to produce our raw materials.
	CRF (Colled Rolled Full Hard)	Up to 25 tons weight from 1.50mm to 4.50 mm in thickness was cleaned with acid, hot rolled coils of 0.25mm - 2.00 mm thickness is rolled to the products obtained are
	CR (Colled rolled)	Annealed products, cold rolled out of a full hard temper line of sheet be tempered, hard structures has been addressed, then the temper roll the surface smoothness of the product are provided.
	HDG (Hot Dipped Galvanized)	Up to 25 tons weight from 0.20mm to 2.0 mm in thickness
	PPGI (Pre Painted Galvanized)	0.20mm to 1.2 mm in thickness
	STRIPS	Slitted Steel Strips
SHEETS	Sheets	Coils are cut-to-length. (Dimensions are specified by our customers). Sheet thickness range is 0,25-4,00 mm.
	Chequered sheet	Diamond pattern – Teardrop Pattern. Material thickness is maximum 16,0 mm. Cut-to-length may be produced up to 15.000 mm. sheet widths are manufactured as 1000 mm from 1300 mm width, and 1550 mm both forms
	Trapezoidal Sheets	Trapezoidal sheets are available in galvanized, painted or embossed forms. Trapezoidal sheets are manufactured in 27/200 form. Material thickness is maximum 1,20 mm. Cut-to-length may be produced up to 15.000 mm. Trapezoidal sheet widths are manufactured as 860 mm from 1000 mm width, and 1050 mm from 1220 mm width.
	Corrugated Sheetss	Corrugated sheets are available in galvanized, painted or embossed forms. Corrugated sheets are manufactured in 18/76,2 form. Material thickness is maximum 1,00 mm. Cut-to-length may be produced according to the customer requirements. Formed width is 875 mm. They may be manufactured from 800 mm to 914 mm width according to the requirements.
	Sinusoidal Sheets	Sinusoidal sheets are manufactured in 9/31,8 form. Material thickness is maximum 0,40 mm. Cut-to-length may be produced in 1600-3000 mm range. Formed width is 834 mm, useful area width is 810 mm +25/-15mm. They may be produced from 762 mm to 914 mm width according to the requirements.
	Structural / Support Profiles	It is the window support or non-welded structure profile form of galvanized products. After the requirements are carefully reviewed, products can be manufactured by making special patterns in necessary situations. Products may be manufactured in thousands of types.
	Embossed Sheets	This is the form in which galvanized or painted coils are processed through patterned rollers and their surface shapes are modified. Embossed coils can be recoiled or may be produced in cut, slitted, trapezoidal and corrugated forms. Material thickness is maximum 0,55mm.
Ridge	This is the trapezoidal or sinusoidal formed type of product from galvanized or painted coils. Material thickness is between 0.30-1.20 mm. Bending angle is 145° as a standard. Ridge products may be manufactured between 300x300 and 500x500 mm.	



HSS RECTANGULAR TUBE

HSS HOLLOW STRUCTURAL STEEL - RECTANGULAR PROFILE																				
Size (mm)	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	8.0	10.0	12.0	14.0	16.0	
15X10															
20X10														
20X15													
25X15												
25X20											
30X10											
30X15										
30X20									
35X20								
40X10							
40X20						
40X25					
40X30				
45X20			
50X10		
50X20	
50X30
50X40
50X45
60X10
60X20
60X30
60X40
60X50
70X30
70X40
70X50
75X50
80X20
80X30
80X40
80X50
80X60
90X30
90X50
100X20
100X40
100X50
100X60
100X80
110X50
110X70
120X40
120X50
120X60
120X80
140X80
140X120
160X80
150X50
150X100
160X120
180X100
180X120
200X100
200X120
200X150
250X100
250X150
260X180
300X100
300X200
350X100
350X250
400X100
400X200
400X300
500X200
500X300

Standards: EN10210, EN10219, DIN2395, DIN 59411, ASTM A-500, BS6363, NFA49-541, UNE 36-537, SI 1458



HSS SQUARE TUBE

HSS HOLLOW STRUCTURAL STEEL - SQUARE PROFILE																				
Size (mm)	Wall thickness (mm)																			
	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	8.0	9.0	10.0	12.0	14.0	16.0
10x10
12x12
15x15
16x16
18x18
19x19
20x20
22x22
25x25
30x30
35x35
40x40
45x45
50x50
60x60
70x70
75x75
80x80
90x90
100x100
110x110
120x120
130x130
140x140
150x150
160x160
170x170
180x180
200x200
220x220
250x250
260x260
300x300
350x350
400x400

Standards: EN10210, EN10219, DIN2395, DIN 59411, ASTM A-500, BS6363, NFA49-541, UNE 36-537, SI 1458

TUBE-PIPES

ERW TUBES - CIRCULAR HOLLOW SECTIONS

	2.0	2.3	2.5	2.6	2.8	2.9	3.0	3.2	3.4	3.5	3.6	4.0	4.5	5.0	5.2	5.4	5.6	6.0	6.3	7.0	8.0	
21.3	•	•																				
25.0	•	•																				
26.7	•	•	•																			
26.9	•	•	•	•	•	•	•															
33.4	•	•	•	•	•	•	•															
33.7	•	•	•	•	•	•	•															
34.0	•	•	•	•	•	•	•															
42.4	•	•	•	•	•	•	•	•	•	•	•	•	•	•								
48.3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
51.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
60.3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
76.1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
88.9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
101.6		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
114.3		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
127.0			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
139.7			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
141.3			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
150.0			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
156.3			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
168.3			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
191.0						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
219.1						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Standards: EN 10255, ASTM A 53, ASTM A 795, DIN 2440, DIN 2441, BS 1387, NFA 49-145, ISO 65, UNI 8863, SI 103, SI 530, SI 4314, TS 301

SAW TUBES - CIRCULAR HOLLOW SECTIONS

Size	Wall thickness																	
	4	5.0	5.6	6.3	7.1	8.0	8.8	10	11	12	12.7	14	16	17.5	20	22	24	26
219.1	•	•	•	•	•													
273.0	•	•	•	•	•													
323.9	•	•	•	•	•													
355.6	•	•	•	•	•													
406.4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
457.2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
508.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
558.8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
609.6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
660.4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
711.2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
762.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
812.8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
863.6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
914.4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
965.2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1016.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1066.8		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1168.4		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1219.2		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1320.8		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1422.4		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1524.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1625.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1727.2		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1828.8		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1930.4		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2032.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2133.6		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2235.2		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2336.8		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2438.4		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2540.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3048.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Standards: EN 10204, AWWA C-200, ASTM A 53, ASTM A 252, DIN 1626, DIN 2460, BS 3601, BS 4360, BS 534, UNI 6363, GOST 8696, JIS A 5525, TS EN 10217-1

SPECIAL STEEL

SPECIAL STEEL ACC. TO CROSS SECTIONS

ROUND BARS	Wire rod	Ø5 – Ø42
	Hot Rolled Bars	Ø12 – Ø330
	Forged Bars	Ø200 – Ø1000
	Bright Bars	Ø5 – Ø155
SQUARE BARS	Hot Rolled	10x10 – 600x600
	Cold Drawn	5x5 – 50x50
FLAT BARS	Hot Rolled	20x4 – 800x450
	Cold Drawn	10x4 – 400x100
HEXAGONAL BARS	Hot Rolled	H 14,5 – H 80
	Cold Drawn	H 6 – H 60
SEAMLESS STEEL TUBE	Hot Rolled	10x2 – 810x160
	Cold Drawn	According to Demand

SPECIAL STEEL ACC. TO STEEL GRADES

HEAT TREATABLE STEELS	SAE 4140, SAE 5140, 41Cr4, SAE 4340, 34 CRNiMo 6 34CRMo 4, 50 CRMo4, 34CR 4, 25CrMo4, 30CrNiMo8, 32CrMoV 12-10, 42CrMoS4, 30Mn5, 46Mn7, C22, CK22, C35, CK35, C45, CK45, C 55, Ck 55, C 60, Ck 60 En 16, SAE 5135, CF 35, CF45, CF53,
CASE-HARDENING STEEL	15CrNi6, 16MnCr5, 16MnCr(S)5, 16MnCr5SPb, 17CrNiMo6, 20MoCr4, 20MoCr(S)4, 20 MnCr5, 20 MnCrS5, 13 NiCr6, 14NiCr14, 15Cr3, 19CN5, 19MnCr5, 21NiCrMo2, 25 MoCr4, 25 MoCrS4, C15/Ck15, SAE 3115, SAE 8620, 15 Cr3
SPRING STEELS	55 Cr3, 50 CrV4, 58 CrV4, 62SiCr5, 51CrMoV4, 54SiCr6, 55Cr3, 60SiCr7, 60SiMn5, SAE 6150, SAE 9260, SAE 9262, 46 Si7,55 Si7, 65 Si7, 66 Si7, 67 SiCr5,
MICRO-ALLOYED STEELS	38MnSiV5; 30MnV5 SAE 1141, 49 MnV5, 44 MnSiV5, 27 MnSiV5,
CARBON STEELS	C10, C22R, C35E, C43, CF53, CK15, Cq10, SAE 1008, SAE 1010/C10, SAE 1030/C30, SAE 1040/C40, SAE1050/C50, SAE 1070, SAE 1090
STRUCTURAL STEELS	St 34-2, St 35-8, St37-2, ST 44-2, St44-3, St 50-2, St52-3, St60-2, St70-2, En 155, StE 460, StE 690S235JR, S235JO, S235JRG2, S275JR, S275 JO, ST37, ST52-3, S355JO, S355JR, S355J2G3,
FREE-CUTTING STEELS	95Mn28/11SMn30, 95Mn36/11SMn37, 10 S20 95MnPb28/11SMnPb30, 95MnPb36/11SMnPb37, En 8M, SAE 1117, SAE 1137, 12L14, 35S20, 45S20,
STAINLESS STEELS	X20Cr13, X30Cr13, X40Cr13, X46Cr13
BEARING STEELS	100CR6-100CRMN6
BORON STEELS	SAE 15B35H, SAE 15B18, 30 MnB4Cr, ZF7B, ZF7, ZF6
WORKING TOOLS Hot & Cold	C80W2, 90Mn6, 90Cr3, 105MnCr5, 31CrV3, 59CrV4, 48CrMoV67, X38CrMoV51, X40CrMoV51, X100CrMoV51, X32CrMoV33, X30WCrV53, 56NiCrMoV7, 90MnCrV



CONTANER-PACKING

Our delivery terms INCO terms 2010:

- (EXW) ExWorks - (FCA) Free Carrier
 - (FAS) Free Alongside Ship - (FOB) Free on Board
 - (CFR) Cost and Freight - (CIF) Cost, Insurance, and Freight
 - (CPT) Carriage Paid To - (CIP) Carriage and Insurance Paid To
- Delivered at Terminal (DAT) - Delivered at Place (DAP) - Delivered Duty Paid (DDP):

20' General Purpose

Inside Length	Inside Width	Inside Height	Door Width	Door Height	Average Weight
5.900m	2.350m	2.393m	2.340m	2.280m	2230 Kg

40' General Purpose

Inside Length	Inside Width	Inside Height	Door Width	Door Height	Average Weight
12.036m	2.350m	2.392m	2.340m	2.280m	3740 Kg

20' Open Top

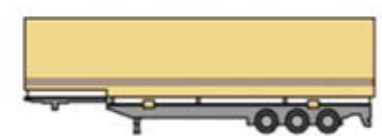
Inside Length	Inside Width	Inside Height	Door Width	Door Height	Average Weight
5.894m	2.311m	2.354m	2.286m	2.184m	2200 Kg

40' Open Top

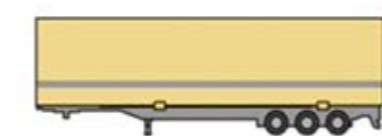
Inside Length	Inside Width	Inside Height	Door Width	Door Height	Average Weight
12.028m	2.350m	2.345m	2.341m	2.274m	3880 Kg



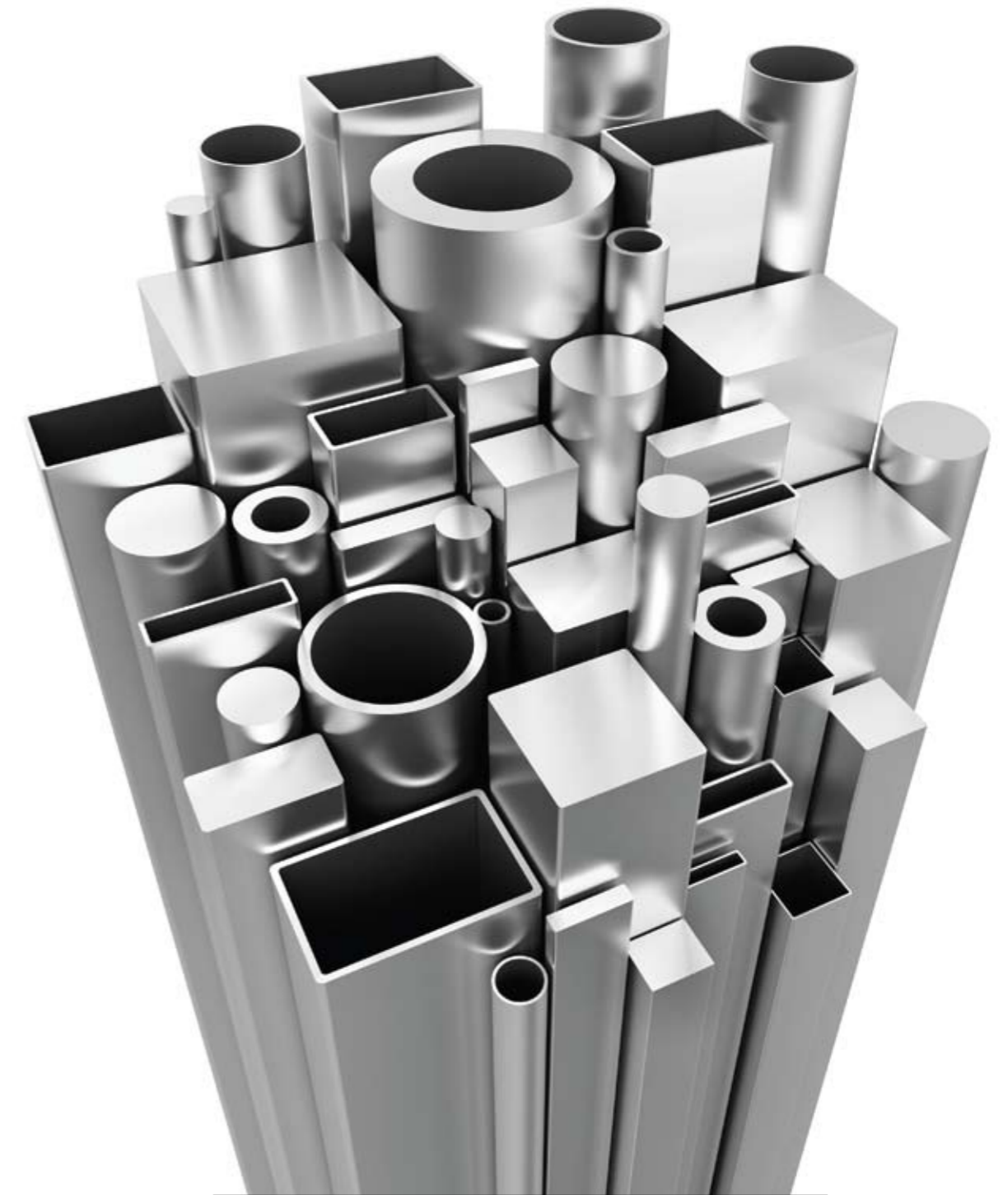
Eurotrailer
 Internal length - 13,62 m.
 Internal width 2,46/2,48 m.
 Internal height 2,68/2,70 m.



Yumbotrailer
 Internal length - 4,10/9,5 m.
 Internal width 2,46/2,48 m.
 Internal height 2,59/3,03 m.



Megatrailer
 Internal length - 13,62 m.
 Internal width 2,46/2,48 m.
 Internal height 2,98/3,00 m.



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