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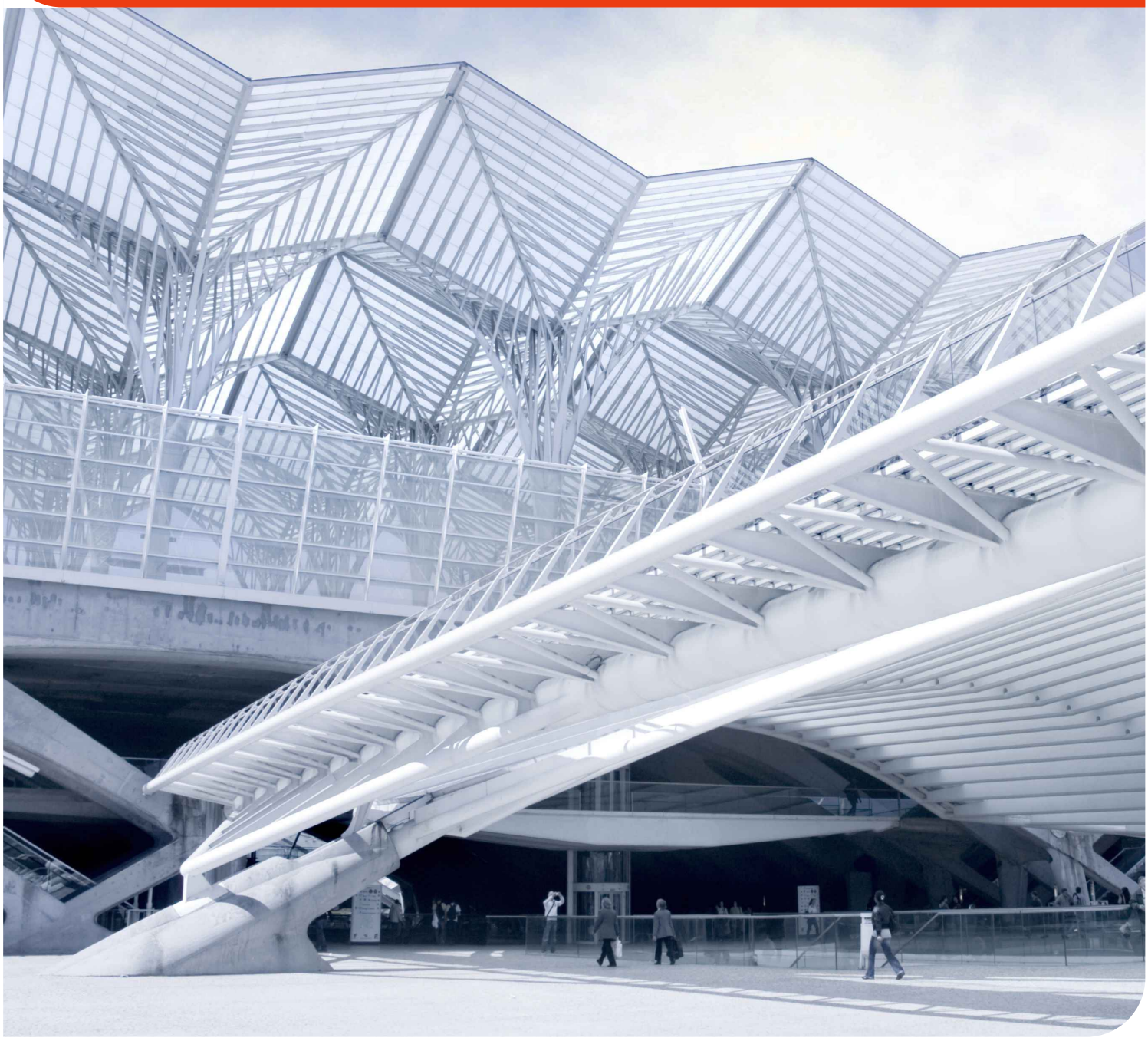
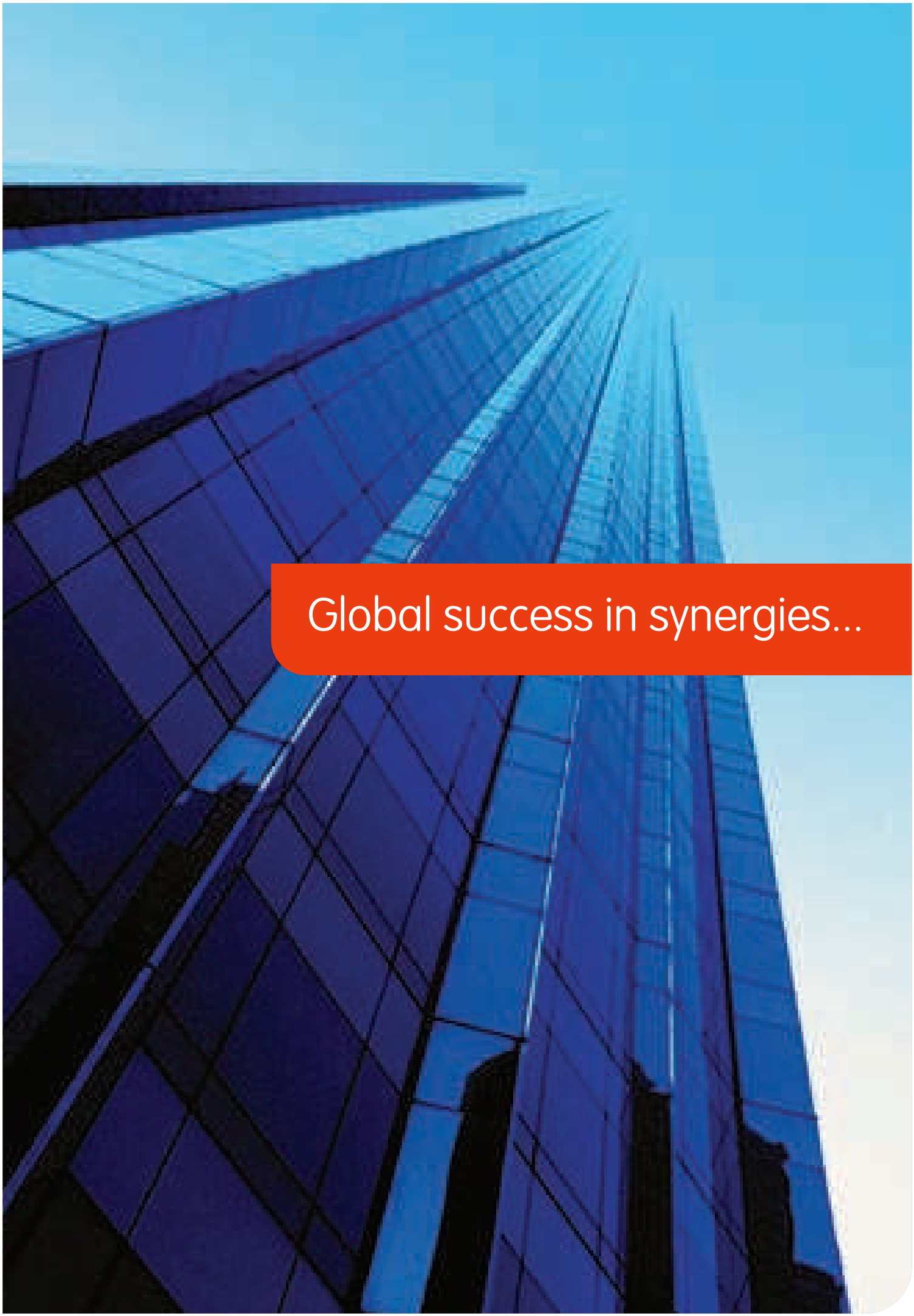
Freedom of Amazing Variety




Global success in synergies...

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Established in 1983, Rozak Demir Profil Tic. ve San. Tic. A.Ş., by merging with ArcelorMittal Distribution Solutions in 2008, became the largest iron & steel distribution and service center of Europe's biggest iron & steel distribution network with its inventory volume heading up to 200 thousand tons and a variety of products over 1000.

AMDS-ROZAK provides services of import and domestic product range via storage facilities in various strategic regions throughout Turkey like Gebze, İkitelli, Karadeniz Ereğli, in all areas where there is need for iron & steel products, from construction industry to machinery production and shipbuilding industry. Besides the standard products, materials on project basis with specific steel grade and dimensions can also be supplied.

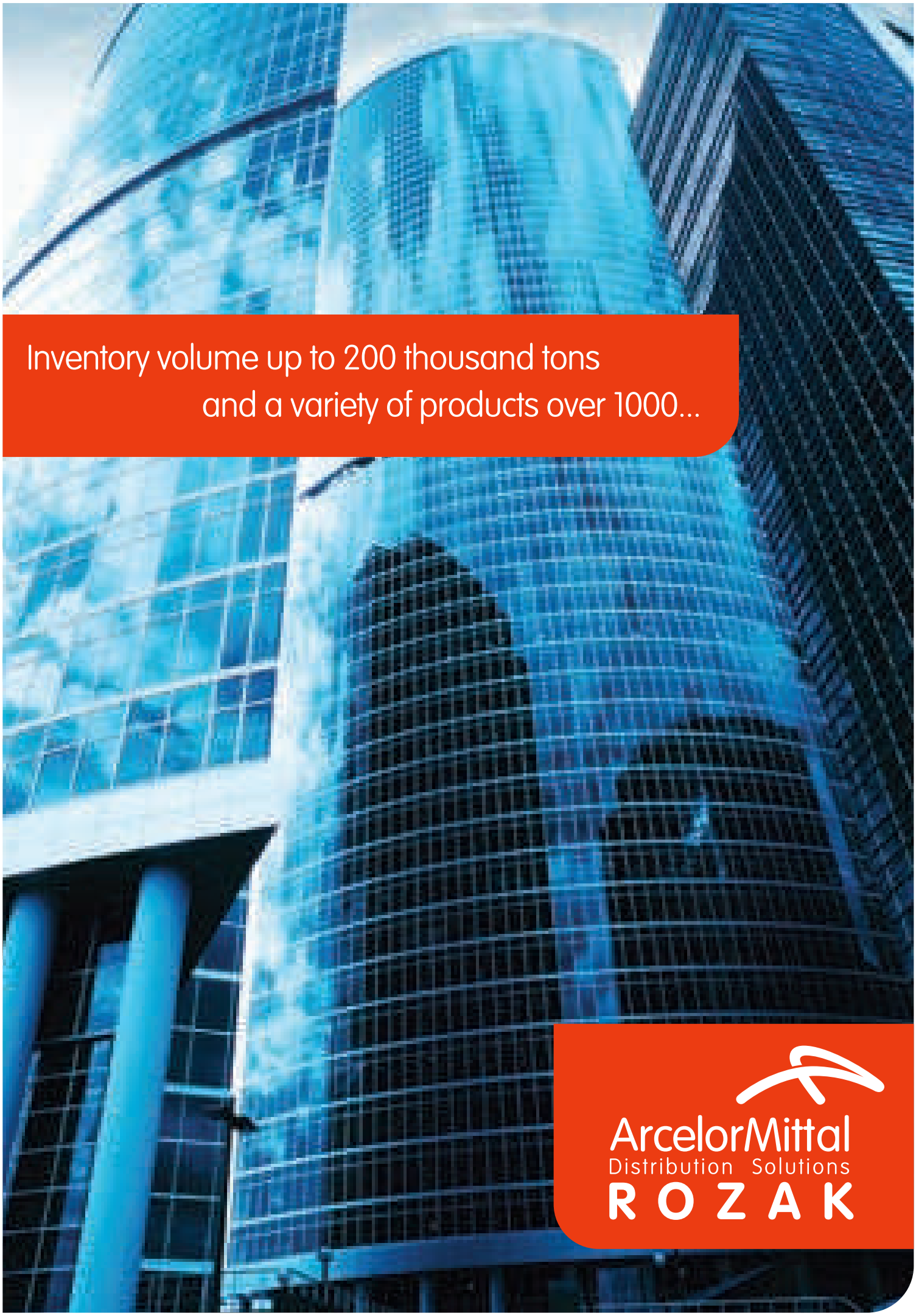
AMDS-ROZAK has reached to a leadership position in Turkish iron & steel market by customer value oriented, fast, innovative service approach which integrates with technology. Still not satisfied with these, giving priority to "continuous education" and "continuous development" within the direction of objectives brings global success to the Company.

The main objective of AMDS-ROZAK is to increase service quality. In order to reach this, the Company became a member of Turkish Constructional Steel Association (TUCSA) and is actively participating in and supporting their facilities with great contributions.

AMDS-ROZAK, being the first seller organization to be given the TUCSAMARK certificate in Turkey, acts upon focusing on absolute customer satisfaction, and by being the quality leader in material supply, with principals of continuity, speed and confidence.

To many future projects and synergies…

Best regards.


Inventory volume up to 200 thousand tons
and a variety of products over 1000...
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PRODUCT RANGE

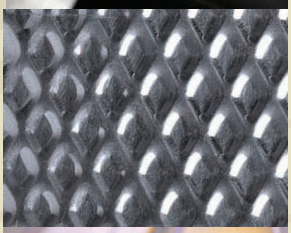
Domestic and Import Materials;
Available stocks in standard steel grades;
S235 (St37.2), S275 (St44.2), S355 (St52.3)
Upon request availability in special dimensions and steel grades for your projects.

European Wide Flange Profiles
- HEA – HEB - HEM 100 - 1000 mm
- HD Wide Flange Columns, 260 - 400 mm
- HL Extra Wide Flange Beams, 920 - 1100 mm

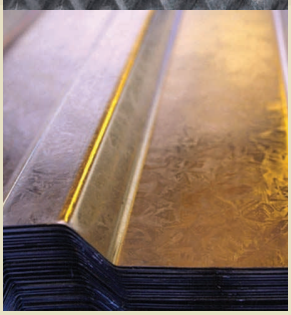
European I & U Profiles
- IPE 80 - 750 mm
- UPE 80 - 400 mm

European Standard I & U Profiles
- IPN 80 - 600 mm
- UPN 40 - 400 mm

Merchant Profiles
- Equal Angles, 20 - 250 mm
- Unequal Angles, 45 - 200 mm
- Equal Flange Tees, 30 – 80 mm
- Flat Bars 10 - 300 mm
- Square 6 – 250 mm
- Transmision Bars 6 - 200 mm
- Round Bars 5-250 mm



Flat Products
- Hot Rolled Plates, 1,5 to 200 mm Thickness & Width of 1000 mm to 3000 mm
- Hot Rolled Coils and Hot Rolled Sheets
- Cold Rolled Coils and Cold Rolled Sheets
- ALUZINC, Galvanized, PPGI
- Pressure Vessels, Pipeline, Shipbuilding Plates
- Boiler Plates, according to ASTM and EN
- Abrassion Resistance Plates
- Atmospheric Corrosion Resistance Plates
- Other (DKP – Diamond - Teardrop)

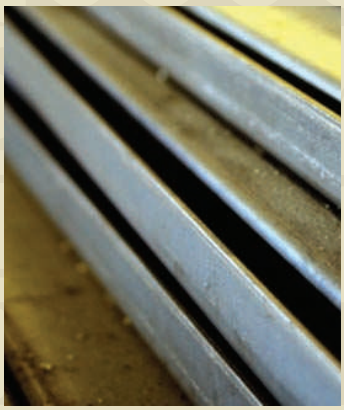


Hollow Section Profiles
- CHS-Circular Hollow Sections, 10 - 406.7 mm
- SHS-Square Hollow Sections, 10 - 400 mm
- RHS-Rectangular Hollow Sections, 10*20 - 500*300 mm

Hot Rolled Crane Rails
- A 45 - A 150, European Norm Crane Rails
- CR 104 - CR 175, American Norm Crane Rails
- MRS 73 - MRS 221, Special Crane Rails
- Other Crane Rails (GCRD 42 - 45, GCR 108 – 183)
- Accessories, Clips and Pads

Hot Rolled Steel Sheet Piles
- U Sections, PU 6R - PU 32, 600 mm width; AU 14 - AU 26, 750 mm width
- Z Sections, AZ 12 - AZ 50
- Straight Web Sections, AS 500
- HZ Pile Wall Systems, 575-975 mm
- Box Pile Wall Systems, CAZ, CAU; U and AZ "Jagged" Wall
- HZ-AZ Combined Wall Systems

European Norm Wide Flange Bearing Piles
- HP 200 - 360 mm



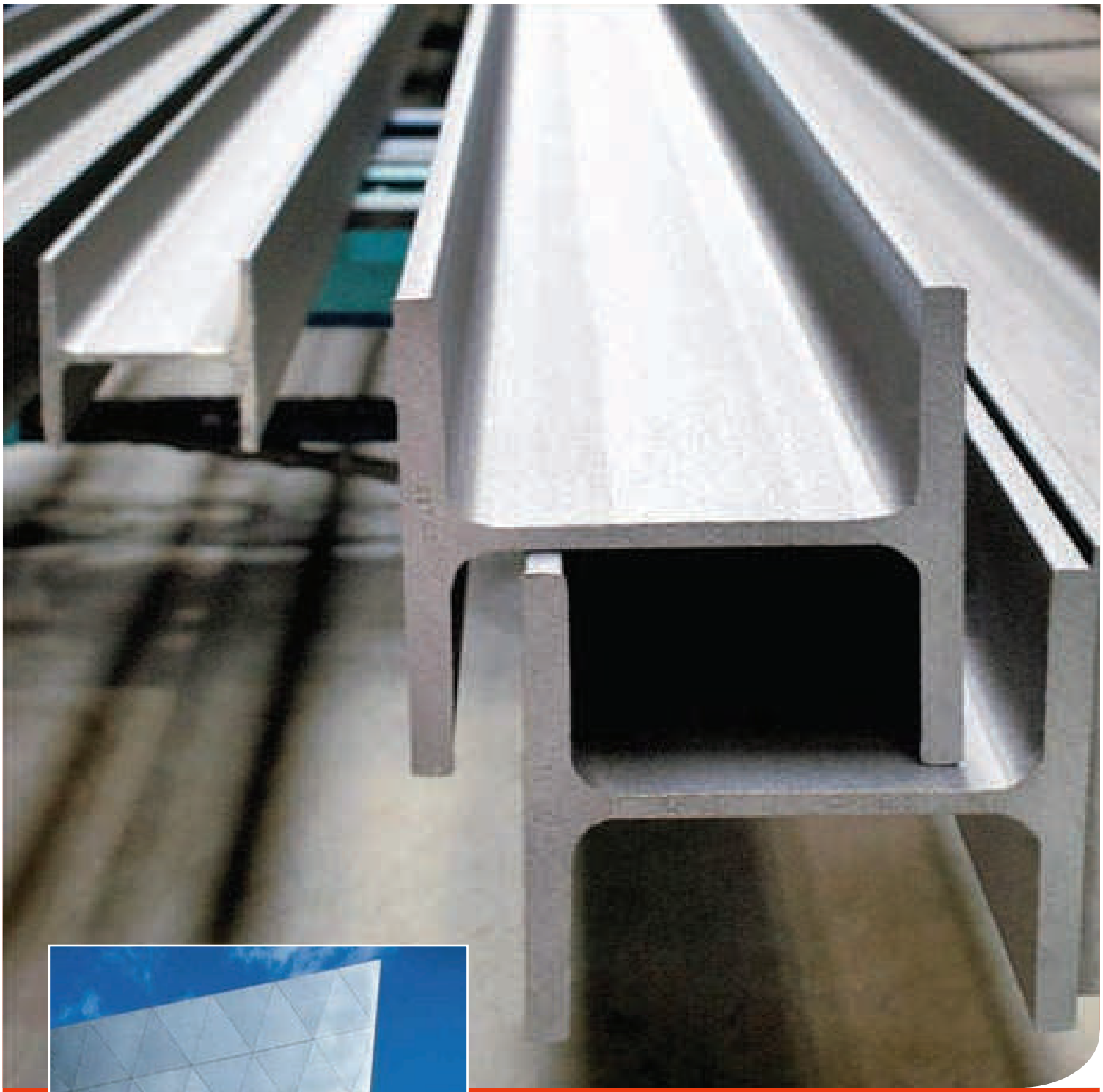
Fabricated Profiles
- IFB Integrated Floor Beams, 120 - 334 mm
- SFB Slim Floor Beams, 140 - 340 mm
- ACB Castellated Beam with Circular Opening
- Angelina™ Castellated Beams with Sinusoidal Opening
- Castellated Beams with Hexagonal or Octagonal Opening
- Shot Blasted and Prime Coated Beams
- Cambered or Curved Beams

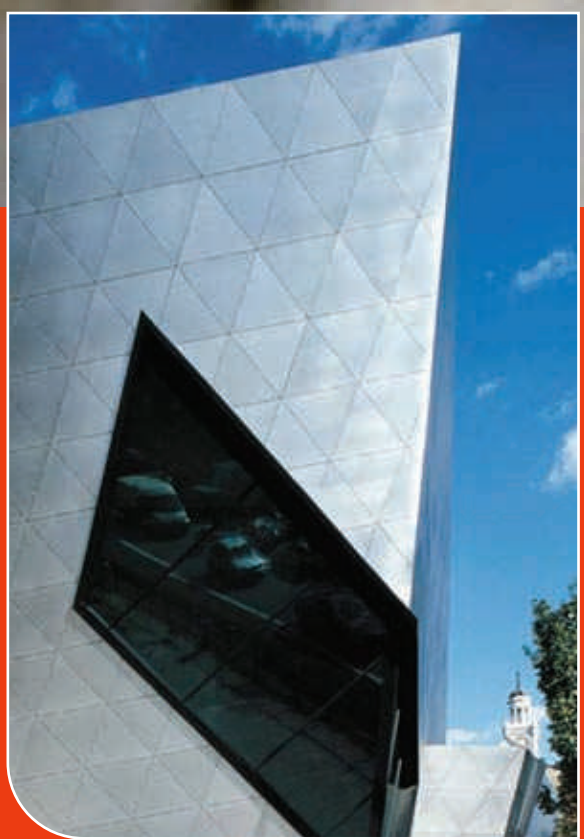
Fabricated Plates
- Shot Blasted and Prime Coated Plates
- Guillotine (0,80 - 12 mm), Abgant Bending (12 mm), Cold Bending
- CNC, Plasma (25mm) - Oxygen (200mm) Cutting
- Corrugated and Trapezoidal Floor Deck
- Facade and Roofing Panels, Sheets and Profiles

Wire Products
- Low Carbon Steel Wires: Bright, Coppered, Annealed, Galvanized, PVC coated
- High Carbon Steel Wires
- Spring Wires
- Oil Tempered Wires
- High Carbon Strands&Ropes
- Flat&Shaped Wires
- Steel Fibres for Flooring and Shotcrete Applications
- Prestressed Concrete Wires and Strands
- CrapalOptimum® Vineyard Wires

Mining Sections
- Rockbolts, 16 - 25 mm
- TH Profiles, TH 13 - TH 44/58
- I Profiles, GI 100 - GI 130, W Sections, PH 140, American Norm, 4 - 6 inc
- Connection Accesories

Other Products
- Reinforcement Bars (Bar - Rebar)
- Decorative Iron (Wrought Iron - Pressed Metal Sheet)
- Extended - Perforated - Metal Sheet
- Böhler Welding Electrods





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Steel in life and architecture

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Steel is among the first alloys following the discovery of iron. An alloy obtained by the elements Iron (Fe) and Carbon (C), steel is a part of our daily life with products produced by using different production technologies. The industrialization of world countries have accelerated fast since the discovery of steel. The most important reasons why steel is preferred as a part of daily life are;

- Sensitivity to thermal processes,
- Being easily shaped,
- Being able to be coated with metals, plastic, enamel and paint.

Thanks to its property of easy processing, steel is the indispensable material of many industries and sectors from defense industry to automotive and white appliances industries, from machinery industry to shipbuilding and construction sectors.

The usage of steel in architecture and buildings go back to the period between 18th & 19th centuries. The emerging of the steel which can be used in buildings (meaning structural steel) corresponds to the second half of 1800's. The wide span bridges, big stations and high skyscrapers constructed by using such structural steel still stays standing today. The usage of structural steel in our country began with the usages in constructions of railways and train stations, in penstocks and dam shutters, and from the houses we live in to the shopping centers in which we shop; from the plants, power plants and industrial buildings in which we work to the ports and terminal buildings to or from which we travel or make transportation and to the roofs of stadiums where we enjoy the sports events; from the highway and railway system bridges over which we travel to high buildings; today structural steel is being used in the construction of such facilities surrounding us. Almost all of these facilities are being constructed within the leadership of large contractors of our country by our structural steel work companies which possess fabrication technologies equivalent to the EC standards and which continuously modernize themselves.

Steel Structure means...

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The concrete based building culture in many countries has started giving way to the approach of **"using the right materials at the right places".**

New generation structural steel is essential for contemporary and future modern buildings. Just as the reinforcement steel bars are indispensible for reinforced concrete in terms of its contributions to the capacity of the concrete section and therefore to the economy of the building, the contribution of compositely using structural steel and concrete together to the building economy can never be ignored.

In other words, to transform the composite usage of the structural materials by acknowledging and apprehending their nature into an advantage would yield to the optimum architectural, engineering and economical results.

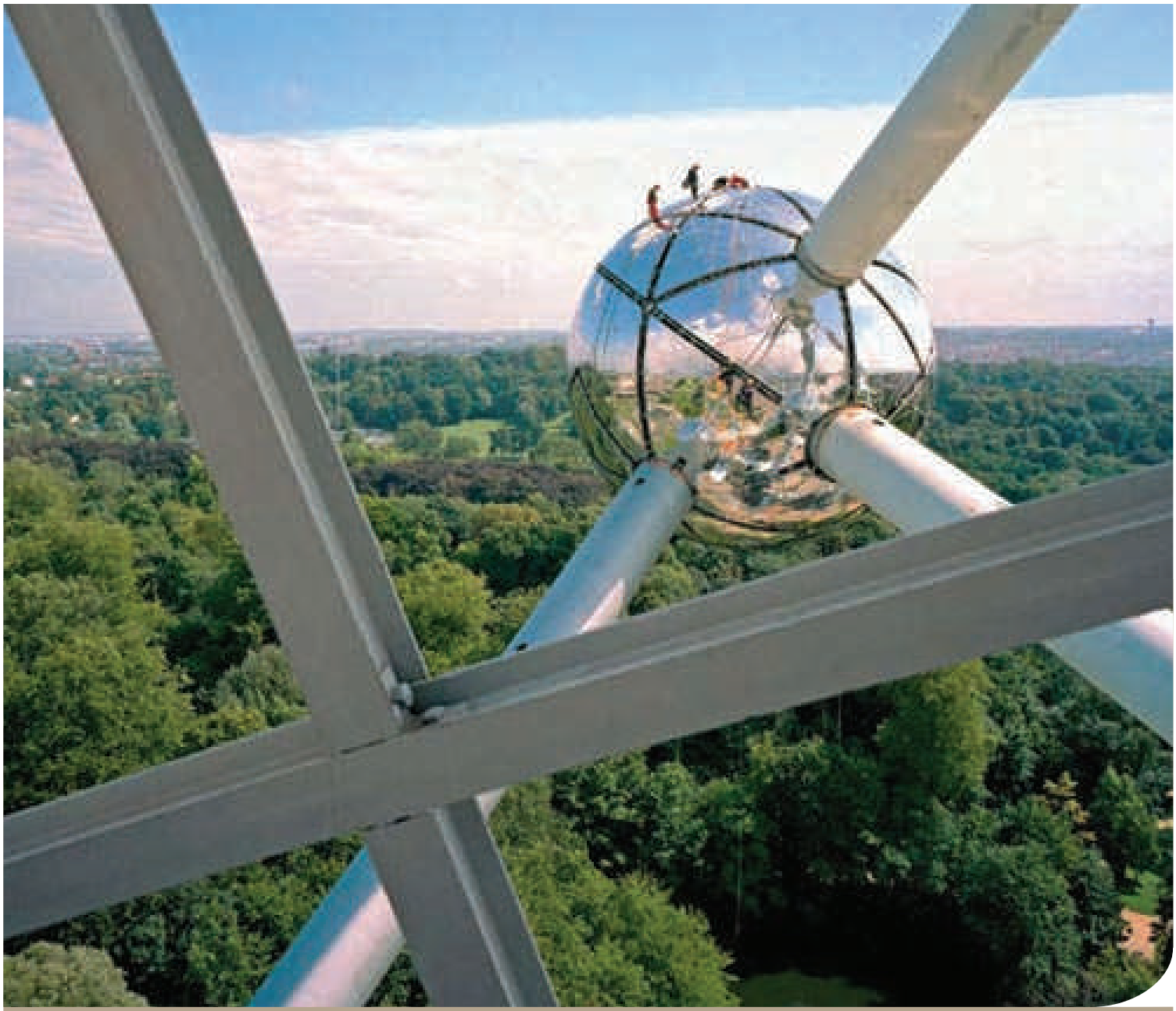
We could list the advantages of using structural steel under a number of main headings.

Architectural advantages

- Easy usage of the aesthetic, authentic and creative forms the architect might visualize...
- Being the indispensable construction material for very high and magnificent buildings...
- Wider, more capacious and more functional usage areas with less number of columns...
- Larger net usage area with columns having smaller cross sections...
- The eases it brings on large floor openings and extensive technical service details...
- Being structurally flexible and easy to adapt to functional changes...

Advantages in terms of Engineering and Earthquake

- Probable earthquake effects on the building being proportionally less due to the reason that the weight of steel structures being 40-60% lighter than conventional structures...
- Again due to its lightness, sufficiency of smaller foundation sizes and excavation depths even under worse soil conditions...
- Ductility of steel structures, meaning to be able to achieve larger deformations without collapsing, ability to survive through possible earthquakes with minimum damage, without collapsing and losing its load bearing property...
- Easy and fast repair of the damages occurred (if any) after possibly big earthquakes...
- Easy adaptation of various energy dissipating steel systems against earthquakes...
- In case when heavy parts are required in any part of the building such as a pool, practical transfer of such extraordinarily heavy loads to the foundation by carrying them via lighter bearing systems...
- The elements and materials of the steel structure, which are produced in the plants under tight and continuous inspections with the reliance compliant to the quality programs required by the specifications, can easily be checked even with the naked eye and even after their installations...
- All works, that are carried out, is able to be controlled and documented...



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Advantages in terms of Job-site and Logistics Planning

- Quick implementation without the need for use of forming, molding and scaffolding...
- Being mostly independent of weather conditions, easy installation even in challenging winter conditions...
- Clean and comfortable installation opportunity in restricted and narrow job-site conditions...
- Structural steel to be controllable, testable and certifiable during all phases from production to processing and installation and even during usage as a building...
- Low tolerances in its measurement, less problems, less repairs, clean and easy application...
- Easy transportation with smaller and lighter vehicles, depending on the project...

Economical Advantages

- Not cheap, but economical due to fast building construction...
- Completing the projects in half time when compared with conventional construction implementations, depending on the project and the cash flow...
- Earlier return on investment in comparison with the conventional systems...
- Columns with smaller dimensions provide more net usage area i.e. rentable area when compared with conventional buildings...
- Increased net usage area, flexible interior space, installation of fittings in an easy to replace manner, all these yielding to higher marketability and market value of the building...
- Opportunity to construct more layers for the same heights due to thin integrated flooring system options...

Advantages in terms of Building Life and Renewability

- Steel structures enabling every kind of structural changes, be it big or small, like changes, repairs, support or disassembling of the components...
- Reusability property of structural steel, meaning demounting and being used in another project...
- Easy implementation of changing user demands and technological changes over time, thus longer technological and economical life times for steel structures...
- Structural renewals and necessary reinforcements due to changing intentions of usage being easier to be implemented even when the building is in use...

Environmental Advantages

- When compared to other construction materials, the least harmful material to the environment in each phase from production to construction, not harmful to health, 100% recyclable ...
- Recycle opportunity with no loss by melting...
- Leaving no wastes or scrap, producing no contamination or toxicants...
- The best adapting material to sustainable design of buildings...

Let's design your steel building together...

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Our technical team with more than 100 years of technical experience is ready to share **creative** and **economical steel solutions** with you.
We are happy to provide free technical advice during project and design development stages of your projects to optimise the use of our products and to answer your questions about the use of sections and merchant bars.
This technical advice covers the design of structural elements, construction details, surface protection, fire safety, metallurgy and welding. Our specialists are ready to support your initiatives anywhere in the world.

To facilitate the design of your projects, we also offer software and technical documentation that you can consult or download from our website. You can reach 7/24 to our expert engineers whenever you need additional technical information.

www.rozakdemir.com
www.arcelormittal.com/distribution

Safer buildings with ready steel reinforcement rebars...

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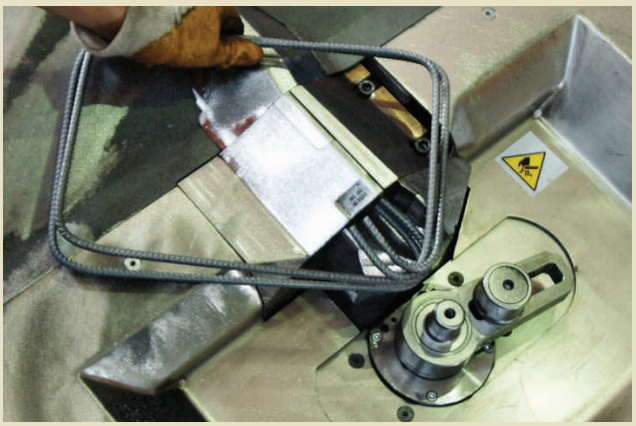
The process of preparing the reinforcing bars used in constructions by bending them manually are now done by the automated reinforcing bar preparing machines. With these machines, the reinforcing bars can be bended with appropriate angles without reducing their diameters or specifications.

With machines having the highest technology and quality in their sectors, we can deliver to your job-site all kinds of rebars, from stirrups and bent-up bars used in columns, beams and slabs to bore pile reinforcements of foundation applications as ready and in a convenient state for your project specification.

The losses and wastes in terms of rebar calculations and the errors in your projects are brought down to zero with the modeling made under the control of our expert engineers by using advanced software. A "check up" of rebar usage values in your project are provided in this way.

- 0% excess material with production compliant with your project...
- Savings on labor and time up to 50%...
- Due to production appropriate for the project, prevention of unnecessary concrete usages by noticing of possible molding mistakes...
- Enabling minimum finance cost by purchasing only the necessary quantity of rebar at necessary times by following up your project...
- A cleaner and tidier site environment by delivering only the sufficient reinforcement to the job-site...
- Savings on machinery and equipment...
- Compliance with the quality and technique with the production made in plant fabrication environment...
- Production compliant with TSE 708 and same strength on every point due to correct bending diameters...



Non-Alloy Structural Steels According to European Standard

Mechanical Properties of Steel Grades for Flat and Long Products

Norm	Grades	Minimum yields strength R_{eH} N/mm²							Tensile Strength R_m N/mm²				Mininum Elongation $L_o=5,65\sqrt{S_o}$ %					Notch Impact Test	
		Nominal Thikness (mm)							Nominal Thikness (mm)				Nominal Thikness (mm)					Temp.	Minimum Absorbed energy
		≤16	>16 ≤40	>40 ≤63	>63 ≤80	>80 ≤100	>100 ≤150	>150 ≤200	<3	≥3 ≤100	>100 ≤150	>50 ≤200	≥3 ≤40	>40 ≤63	>63 ≤100	>100 ≤150	>150 ≤200	°C	J
EN 10025-2:2004	S 235 JR	235	225	215			195	185	360-510	360-510	350-500	340-490	26	25	24	22	21	+20	27
	S 235 J0																	0	27
	S 235 J2*																	-20	27
	S275 JR	275	265	255	245	235	225	215	430-580	410-560	400-540	380-540	23	22	21	19	18	+20	27
	S275 J0																	0	27
	S275 J2*																	-20	27
	S355JR	355	345	335	325	315	295	285	510-680	470-630	450-600	450-600	22	21	20	18	17	+20	27
	S355J0																	0	27
	S355J2																	-20	27
	S355K2																	-20	40
	S450J0	450	430	410	390	380	380	-	-	550-720	530-700	-		17			-	0	27

*Available upon agreement. Subject to final confirmation of the mills.
This table is taken from EN-10025-2:2004. Additional information about the values, options and special conditions are given in this Norm in detail.

Chemical Properties of Steel Grades for Flat and Long Products

Norm	Grade	C max % Nominal Thikness (mm)			Mn max %	Si max %	P max %	S max %	N max %	Cu max %	Other max %	CEV max % Nominal Thikness (mm)			
		≤16	>16 ≤40	>40								≤30	≤30 ≤40	>40 ≤150	>150 ≤200
EN 10025-2:2004	S 235 JR	0.17	0.17	0.20	0.40	-	0.035	0.035	0.012	0.55	-	0.35	0.35	0.38	0.40
	S 235 J0	0.17	0.17	0.17	0.40	-	0.030	0.030	0.012	0.55	-	0.35	0.35	0.38	0.40
	S 235 J2*	0.17	0.17	0.17	0.40	-	0.025	0.025	-	0.55	-	0.35	0.35	0.38	0.40
	S275 JR	0.21	0.21	0.22	0.50	-	0.035	0.035	0.012	0.55	-	0.40	0.40	0.42	0.44
	S275 J0	0.18	0.18	0.18	0.50	-	0.030	0.030	0.012	0.55	-	0.40	0.40	0.42	0.44
	S275 J2*	0.18	0.18	0.18	0.50	-	0.025	0.025	-	0.55	-	0.40	0.40	0.42	0.44
	S355JR	0.24	0.24	0.24	0.60	0.55	0.035	0.035	0.012	0.55	-	0.45	0.47	0.47	0.49
	S355J0	0.20	0.20	0.22	0.60	0.55	0.030	0.030	0.012	0.55	-	0.45	0.47	0.47	0.49
	S355J2	0.20	0.20	0.22	0.60	0.55	0.025	0.025	-	0.55	-	0.45	0.47	0.47	0.49
	S355K2	0.20	0.20	0.22	0.60	0.55	0.025	0.025	-	0.55	-	0.45	0.47	0.47	-
	S450J0	0.20	0.20	0.22	0.70	0.55	0.030	0.030	0.025	0.55	-	0.47	0.49	0.49	

*Available upon agreement. Subject to final confirmation of the mills.
This table is taken from EN-10025-2:2004. Additional information about the values, options and special conditions are given in this Norm in detail.

Steel Group	
S	Structural Steel

Mechanical Characteristics
xxx Minimum yield strength (MPa)

Mechanical Characteristics		
Notch Toughness		
min.27J	min.40J	Temp. °C
JR	-	20
JO	-	0
J2	K2	-20

AR	As Rolled
M	Thermomechanical rolling (1)
N	Normalised rolling (2)

1- Obtaining fine grain steel by thermomechanical rolling.
2- Obtaining fine grain steel by normalising process during rolling.

S **355** **JR + M**

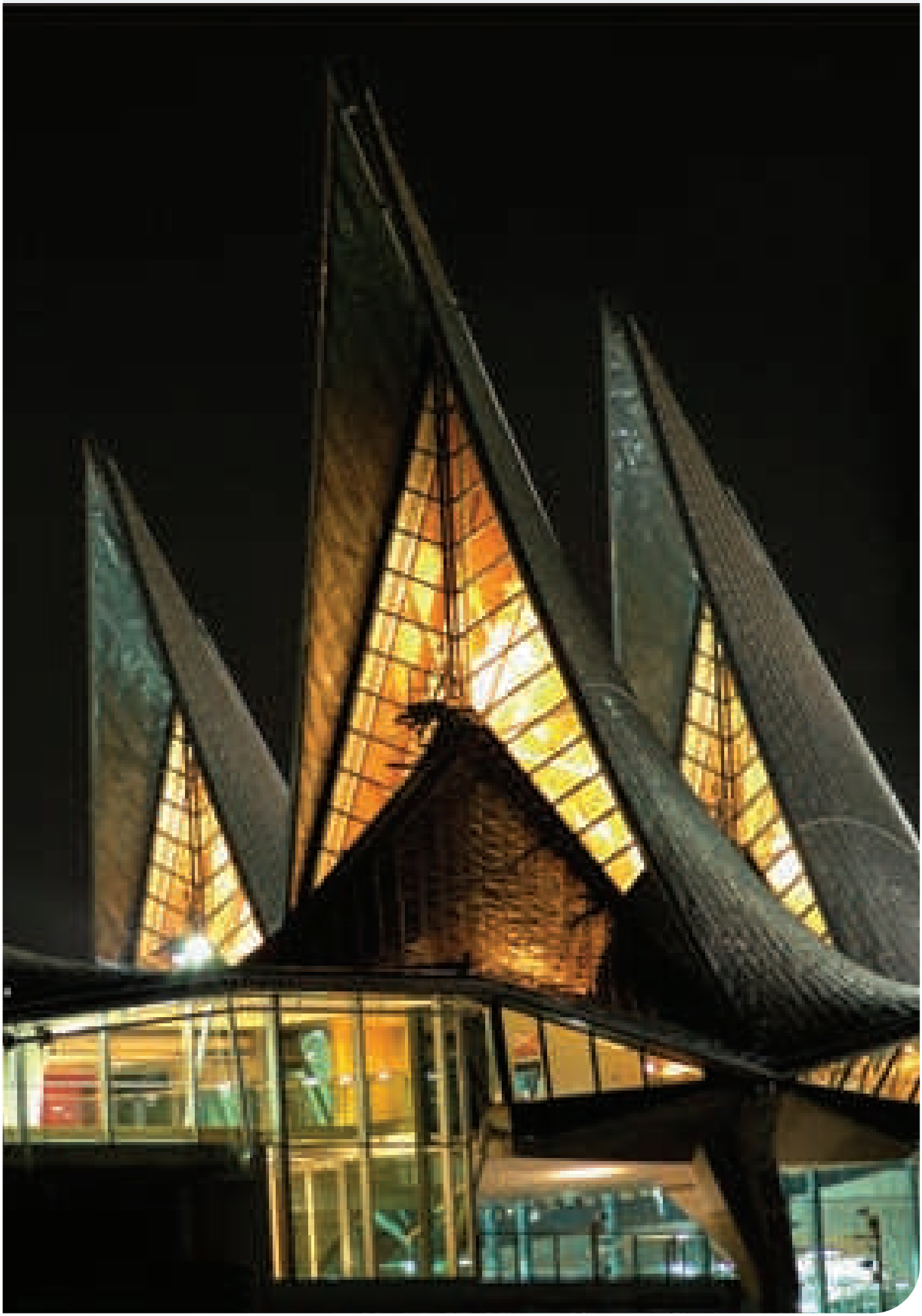
COMPARISON TABLES OF TYPICAL STEEL GRADES

STRUCTURAL STEEL GRADES

EUROPE			GERMANY	FRANCE	ITALY	U.K.	U.S.	JAPAN		RUSSIA
Material#	EN 10025	EN10025(90)	DIN 17100	NFA 35-501	UNI 7070	BS 4360	ASTM	JIS G3101	JIS 3106	GOST 380-94
1.0035	S185	Fe 310-0	St 33	A 33	Fe 320		A 283 A / A 569 C	SS 330		
1.0037	S235JR	Fe 360 B	St 37-2	E 24-2	Fe 360 B	40 A	A 283 C / A 570 Gr 33, 36	SS 400		St2sp; ps
1.0038	S235JRG2	Fe 360B(FN)	RSt 37-2	E 24-2 NE		40 B	A 570 Gr 36		SM 400A	St3ps; sp
1.0114	S235 J0	Fe 360 C	St 37-3 U	E 24-3	Fe 360 C	40 C			SM 400B	
1.0116	S235J2G3	Fe 360 D1	St 37-3 N	E 24-4	Fe 360 D	40 D	A 515 Gr 55 / A573 Gr 70			St3kp
1.0117	S235J2G4	Fe 360 D2								
1.0044	S275JR	Fe430 B	St 44-2	E 28-2	Fe 430 B	43 B	A 283 D	SS 490		St4ps; sp
1.0143	S275JO	Fe430 C	St 44-3 U	E 28-3	Fe 430 C	43 C	A 578 Gr 70 / A 572 Gr 42			
1.0144	S275J2G3	Fe 430 D1	St 44-3 N	E 28-4	Fe 430 D	43 D	A 633 Gr A			St4kp
1.0145	S275J2G4	Fe 430 D2								
1.0045	S355JR	Fe 510 B		E 36-2	Fe 510 B	50 B	A 572 Gr 50 / A 678 Gr A		SM 490A	
1.0553	S355JO	Fe 510 C	St 52-3 U	E 36-3	Fe 510 C	50 C	A 441		SM 490B	
1.0570	S355J2G3	Fe 510 D1	St 52-3 N		Fe 510 D	50 D			SS 490 C	17GS
1.0577	S355J2G4	Fe 510 D2							SS 490 YA	
1.0595	S355K2G3	Fe 510 DD1		E 36-4		50 DD			SS490 YB	
1.0596	S355K2G4	Fe 510 DD2							SM 520 B	
1.0050	E295	Fe 490-2	St 50-2	A 50-2	Fe 490		A 570 Gr 50 / A 572 Gr 50	SS 500		St5ps; sp
1.0060	E335	Fe 590-2	St 60-2	A 60-2	Fe 590				SM 490A	St6ps; sp
1.0070	E360	Fe 690-2	St 70-2	A 70-2	Fe 690				SS490B	

BOILER STEEL GRADES

EUROPA		GERMANY	FRANCE	ITALY	U.K.	SPAIN	U.S.	JAPAN
Material#	EN 10028-2	DIN 17155	NFA 36-205	UNI 5869	BS 1501	UNE 36087	ASTM	JIS G3115
1.0345	P235GH	HI	A 37 CP	Fe 360 - 1KW	161 Gr. 360 / 164 Gr 360	A 37 RCI	A 515 Gr 55 / A 414 Gr C / A 516 Gr 55	SPV 24
1.0425	P265GH	HII	A 42 CP	Fe 410 - 1KW	161 Gr. 400 / 164 Gr 400	A 42 RCI	A 285 Gr C / A 414 Gr D / A 662 Gr A	
1.0481	P295GH	17 Mn 4	A 48 CP	Fe 510 - 1KW	224 Gr 490	A 47 RCI	A 414 Gr E;F / A 516 Gr 65	SPV 32
1.0473	P355GH	19 Mn 6	A 52 CP	Fe E 355-2		A 52 RCI	A 414 Gr G / A 516 Gr 70 / A 537	SGV 410 / SGV 450
1.5415	16Mo3	15 Mo 3	15 D3	16 Mo 3	1503 / 243 B	16 Mo 3	A 204 Gr A	
1.7335	13CrMo4-5	13CrMo 4 4	15 CD 4-05	14 CrMo 3	620 Gr 27	14 CrMo 4.5	A 387 Gr 12 / A182 (F11; 12)	
1.7380	10CrMo9-10	10CrMo 9 10	10 CD 9.10	12 CrMO 9.10	622 Gr 31		A 387 Gr 22 / A182 (F22)	
1.7383	11CrMo9-10			12 CrMO 9.10		12 CrMo 9.10		



HEA - HEB - HEM PROFILES (EU 53-62, Tolerances EN 10034)

Section	Dimension mm	G Unit Weight kg/m	h Depth mm	b Width mm	tw Web Thickness mm	t_f Flange Thickness mm	r Corner Radius mm	Single profile weight kg/12.1 m	Length of 1 ton profile m/ton
HEA	100	16.7	96	100	5.0	8.0	12	202	62
HEA	120	19.9	114	120	5.0	8.0	12	241	50
HEA	140	24.7	133	140	5.5	8.5	12	299	40
HEA	160	30.4	152	160	6.0	9.0	15	368	33
HEA	180	35.5	171	180	6.0	9.5	15	430	28
HEA	200	42.3	190	200	6.5	10.0	18	512	24
HEA	220	50.5	210	220	7.0	11.0	18	611	20
HEA	240	60.3	230	240	7.5	12.0	21	730	17
HEA	260	68.2	250	260	7.5	12.5	24	825	15
HEA	280	76.4	270	280	8.0	13.0	24	924	13
HEA	300	88.3	290	300	8.5	14.0	27	1068	11
HEA	320	97.6	310	300	9.0	15.5	27	1181	10
HEA	340	105.0	330	300	9.5	16.5	27	1271	10
HEA	360	112.0	350	300	10.0	17.5	27	1355	9
HEA	400	125.0	390	300	11.0	19.0	27	1513	8
HEA	450	140.0	440	300	11.5	21.0	27	1694	7
HEA	500	155.0	490	300	12.0	23.0	27	1876	6
HEA	550	166.0	540	300	12.5	24.0	27	2009	6
HEA	600	178.0	590	300	13.0	25.0	27	2154	6
HEA	650	190.0	640	300	13.5	26.0	27	2299	5
HEA	700	204.0	690	300	14.5	27.0	27	2468	5
HEA	800	224.0	790	300	15.0	28.0	30	2710	4
HEA	900	252.0	890	300	16.0	30.0	30	3049	4
HEA	1000	272.0	990	300	16.5	31.0	30	3291	4
HEB	100	20.4	100	100	6.0	10.0	12	247	49
HEB	120	26.7	120	120	6.5	11.0	12	323	37
HEB	140	33.7	140	140	7.0	12.0	12	408	30
HEB	160	42.6	160	160	8.0	13.0	15	515	23
HEB	180	51.2	180	180	8.5	14.0	15	620	20
HEB	200	61.3	200	200	9.0	15.0	18	742	16
HEB	220	71.5	220	220	9.5	16.0	18	865	14
HEB	240	83.2	240	240	10.0	17.0	21	1007	12
HEB	260	93.0	260	260	10.0	17.5	24	1125	11
HEB	280	103.0	280	280	10.5	18.0	24	1246	10
HEB	300	117.0	300	300	11.0	19.0	27	1416	9
HEB	320	127.0	320	300	11.5	20.5	27	1537	8
HEB	340	134.0	340	300	12.0	21.5	27	1621	7
HEB	360	142.0	360	30	12.5	22.5	27	1718	7
HEB	400	155.0	400	300	13.5	24.0	27	1876	6
HEB	450	171.0	450	300	14.0	26.0	27	2069	6
HEB	500	187.0	500	300	14.5	28.0	27	2263	5
HEB	550	199.0	550	300	15.0	29.0	27	2408	5
HEB	600	212.0	600	300	15.5	30.0	27	2565	5
HEB	650	225.0	650	300	16.0	31.0	27	2723	4
HEB	700	241.0	700	300	17.0	32.0	27	2916	4
HEB	800	262.0	800	300	17.5	33.0	30	3170	4
HEB	900	291.0	900	300	18.5	35.0	30	3521	3
HEB	1000	314.0	1000	300	19.0	36.0	30	3799	3
HEM	100	41.8	120	106	12.0	20.0	12	506	24
HEM	120	52.1	140	126	12.5	21.0	12	630	19
HEM	140	63.2	160	146	13.0	22.0	12	765	16
HEM	160	76.2	180	166	14.0	23.0	15	922	13
HEM	180	88.9	200	186	14.5	24.0	15	1076	11
HEM	200	103.0	220	206	15.0	25.0	18	1246	10
HEM	220	117.0	240	226	15.5	26.0	18	1416	9
HEM	240	157.0	270	248	18.0	32.0	21	1900	6
HEM	260	172.0	290	268	18.0	32.5	24	2081	6
HEM	280	189.0	310	288	18.5	33.0	24	2287	5
HEM	300	238.0	340	310	21.0	39.0	27	2880	4
HEM	320	245.0	359	309	21.0	40.0	27	2965	4
HEM	340	248.0	377	309	21.0	40.0	27	3001	4
HEM	360	250.0	395	308	21.0	40.0	27	3025	4
HEM	400	256.0	432	307	21.0	40.0	27	3098	4
HEM	450	263.0	478	307	21.0	40.0	27	3182	4
HEM	500	270.0	524	306	21.0	40.0	27	3267	4
HEM	550	278.0	572	306	21.0	40.0	27	3364	4
HEM	600	285.0	620	305	21.0	40.0	27	3449	4
HEM	650	293.0	668	305	21.0	40.0	27	3545	3
HEM	700	301.0	716	304	21.0	40.0	27	3642	3
HEM	800	317.0	814	303	21.0	40.0	30	3836	3
HEM	900	333.0	910	302	21.0	40.0	30	4029	3
HEM	1000	349.0	1008	302	21.0	40.0	30	4223	3

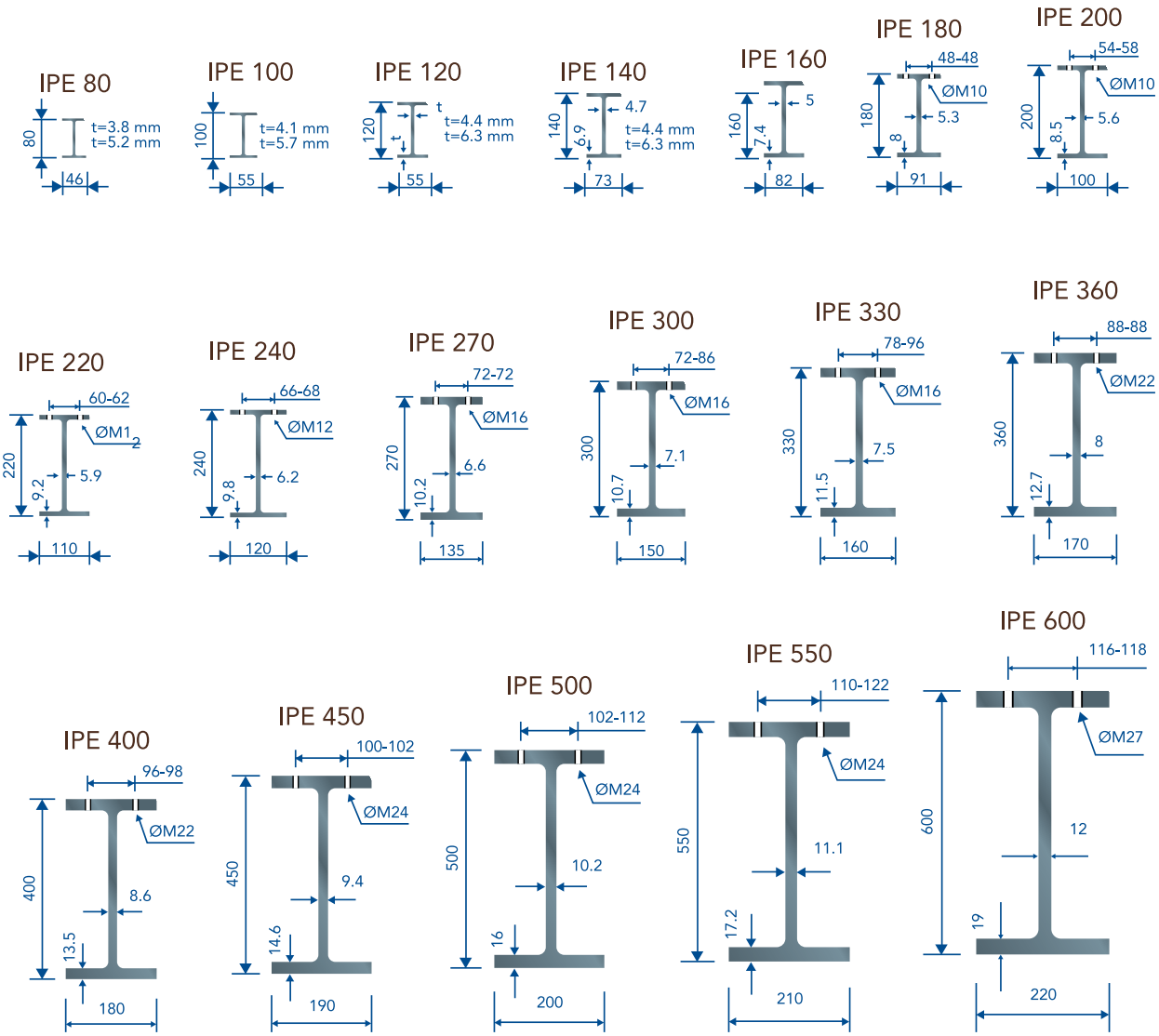
IPE PROFILES (EU 19-57, Tolerances EN 10034)

Section	Dimension mm	G Unit Weight kg/m	h Depth mm	b Width mm	tw Web Thickness mm	t_f Flange Thickness mm	r Corner Radius mm	Single profile weight kg/12.1 m	Length of 1 ton profile m/ton
IPE	100	8.1	100	55	4.1	5.7	7	98	123
IPE	120	10.4	120	64	4.4	6.3	7	126	96
IPE	140	12.9	140	73	4.7	6.9	7	156	78
IPE	160	15.8	160	82	5.0	7.4	9	191	63
IPE	180	18.8	180	91	5.3	8.0	9	227	53
IPE	200	22.4	200	100	5.6	8.5	12	271	45
IPE	220	26.2	220	110	5.9	9.2	12	317	38
IPE	240	30.7	240	120	6.2	9.8	15	371	33
IPE	270	36.1	270	135	6.6	10.2	15	437	28
IPE	300	42.2	300	150	7.1	10.7	15	511	24
IPE	330	49.1	330	160	7.5	11.5	18	594	20
IPE	360	57.1	360	170	8.0	12.7	18	691	18
IPE	400	66.3	400	180	8.6	13.5	21	802	15
IPE	450	77.6	450	190	9.4	14.6	21	939	13
IPE	500	90.7	500	200	10.2	16.0	21	1097	11
IPE	550	106.6	550	210	11.1	17.2	24	1283	9
IPE	600	122.0	600	220	12.0	19.0	24	1476	8
IPE	750X147	147.2	753	265	13.2	17.0	17	1781	7
IPE	750X173	173.7	762	267	14.4	21.6	17	2102	6

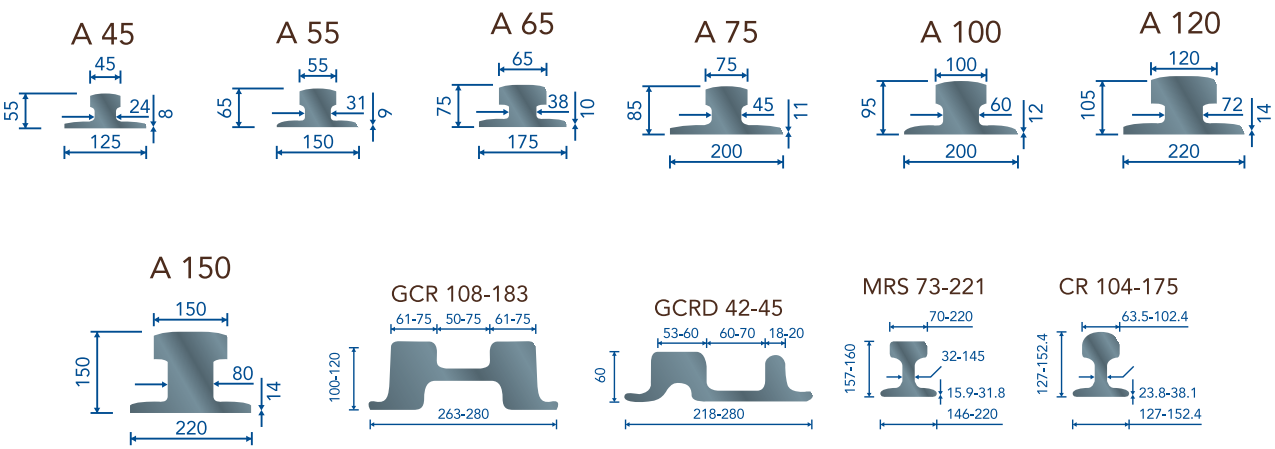
UPE PROFILES (DIN 1026-2, Tolerances EN 10279)

Section	Dimension mm	G Unit Weight kg/m	h Depth mm	b Width mm	tw Web Thickness mm	t_f Flange Thickness mm	r Corner Radius mm	Single profile weight kg/12.1 m	Length of 1 ton profile m/ton
UPE	80	7.9	80	50	4.0	7.0	10	96	127
UPE	100	9.8	100	55	4.5	7.5	10	119	102
UPE	120	12.1	120	60	5.0	8.0	12	146	83
UPE	140	14.5	140	65	5.0	9.0	12	175	69
UPE	160	17.0	160	70	5.5	9.5	12	206	59
UPE	180	19.7	180	75	5.5	10.5	12	238	51
UPE	200	22.8	200	80	6.0	11.0	13	276	44
UPE	220	26.6	220	85	6.5	12.0	13	322	38
UPE	240	30.2	240	90	7.0	12.5	15	365	33
UPE	270	35.2	270	95	7.5	13.5	15	426	28
UPE	300	44.4	300	100	9.5	15.0	15	537	23
UPE	330	53.2	330	105	11.0	16.0	18	644	19
UPE	360	61.2	360	110	12.0	17.0	18	741	16
UPE	400	72.2	400	11.5	13.5	18.0	18	874	14

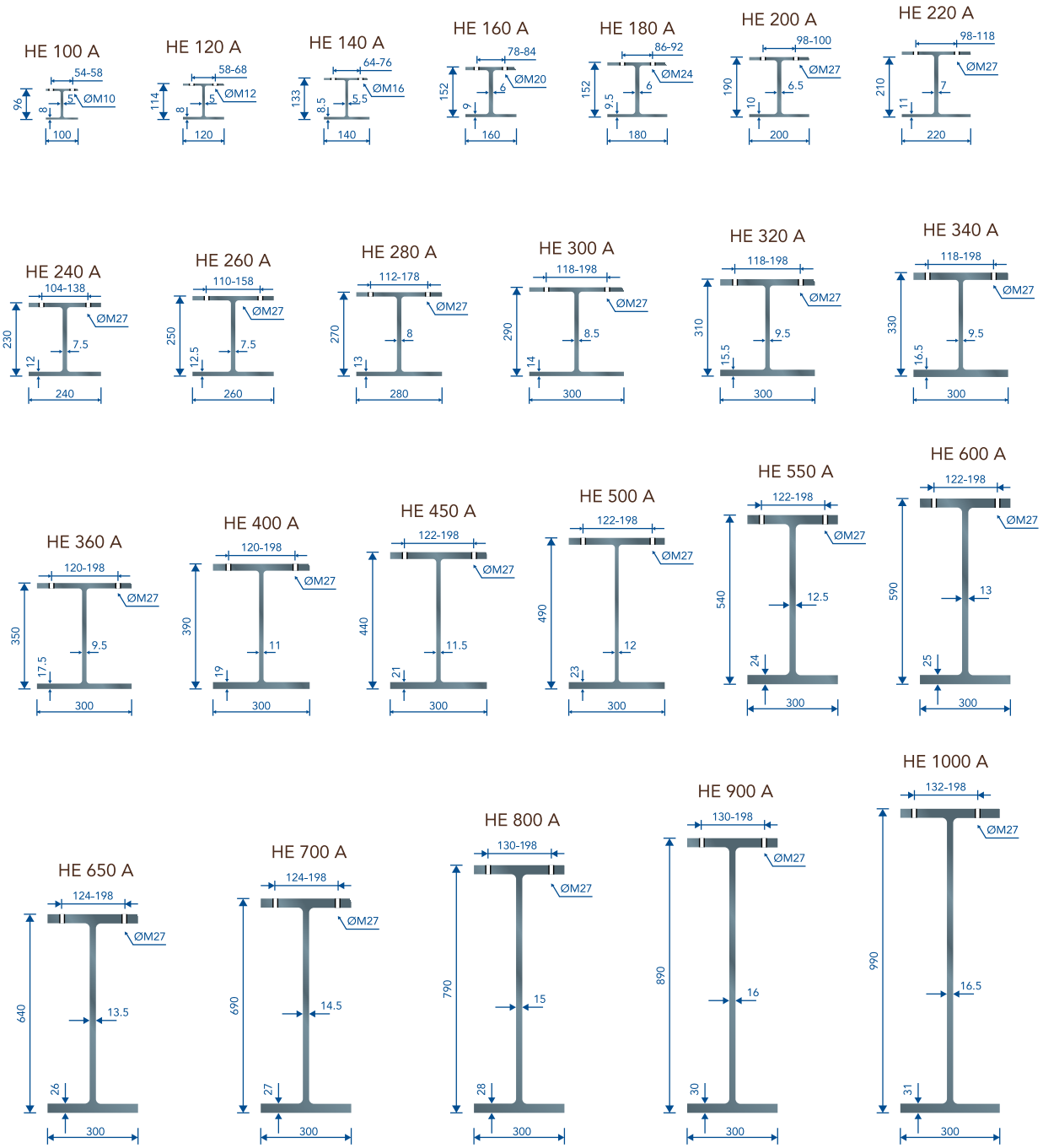
IPE PROFILES



CRANE RAILS



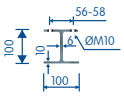
HEA PROFILES



ArcelorMittal
Distribution Solutions
ROZAK

HEB PROFILES

HE 100 B



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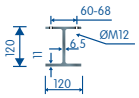

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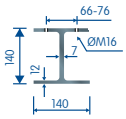

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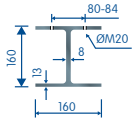

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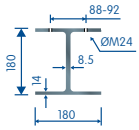

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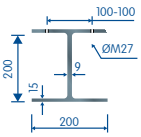

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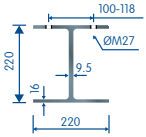

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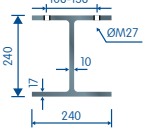

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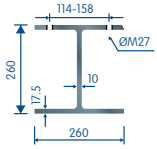

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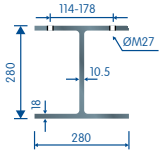

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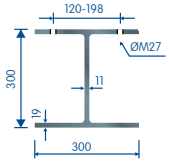

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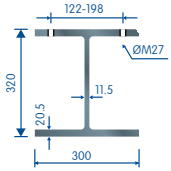

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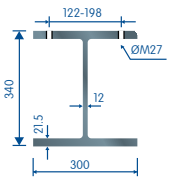

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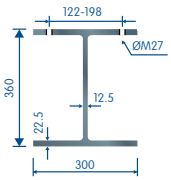

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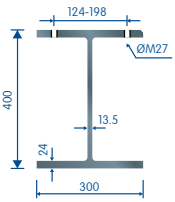

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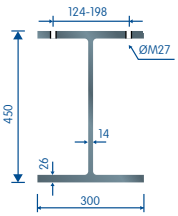

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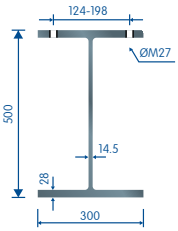

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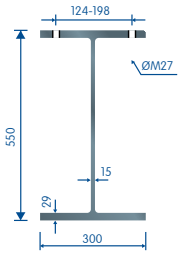

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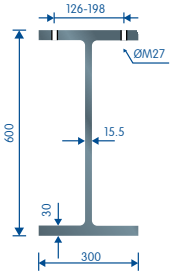

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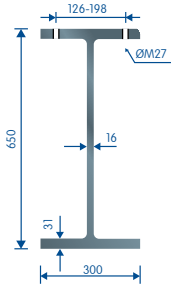

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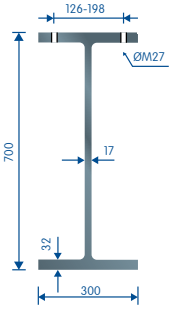

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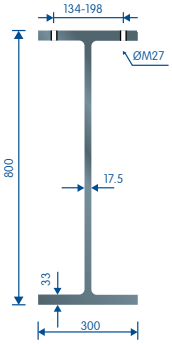

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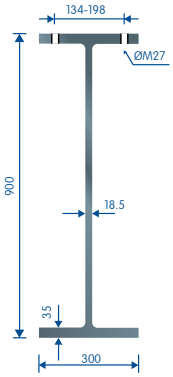

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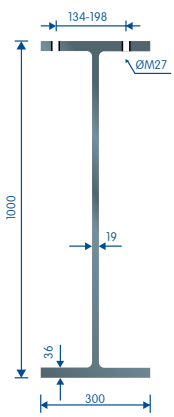
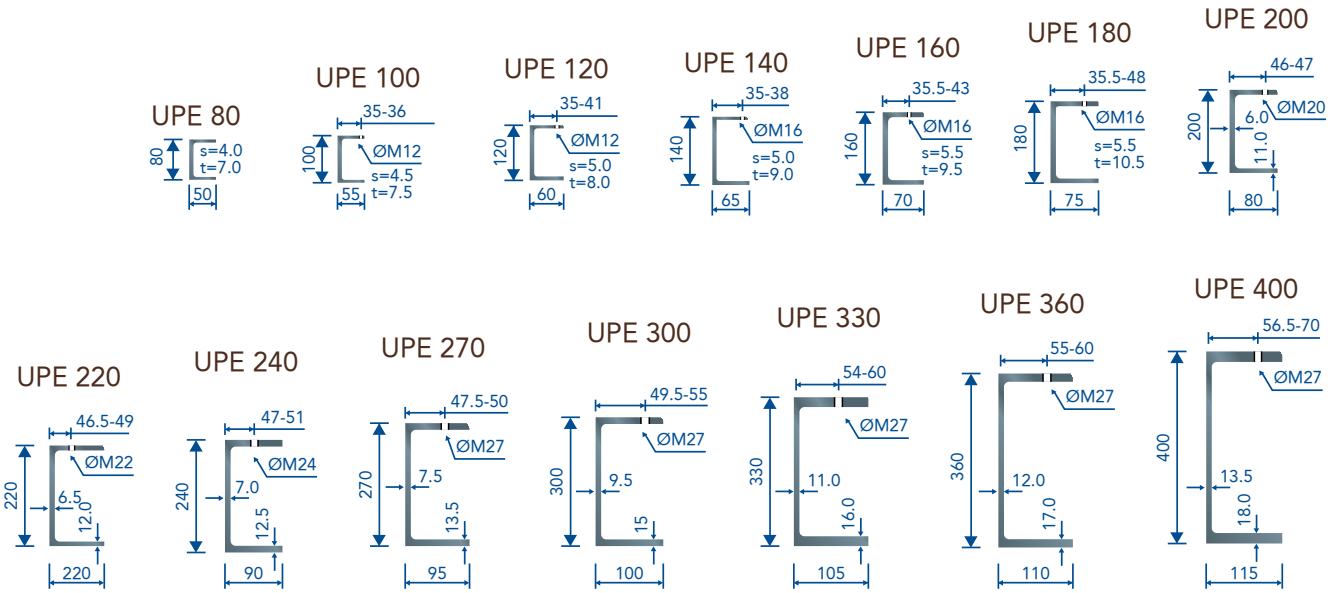
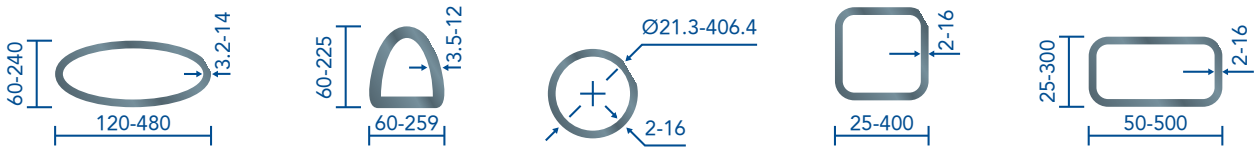


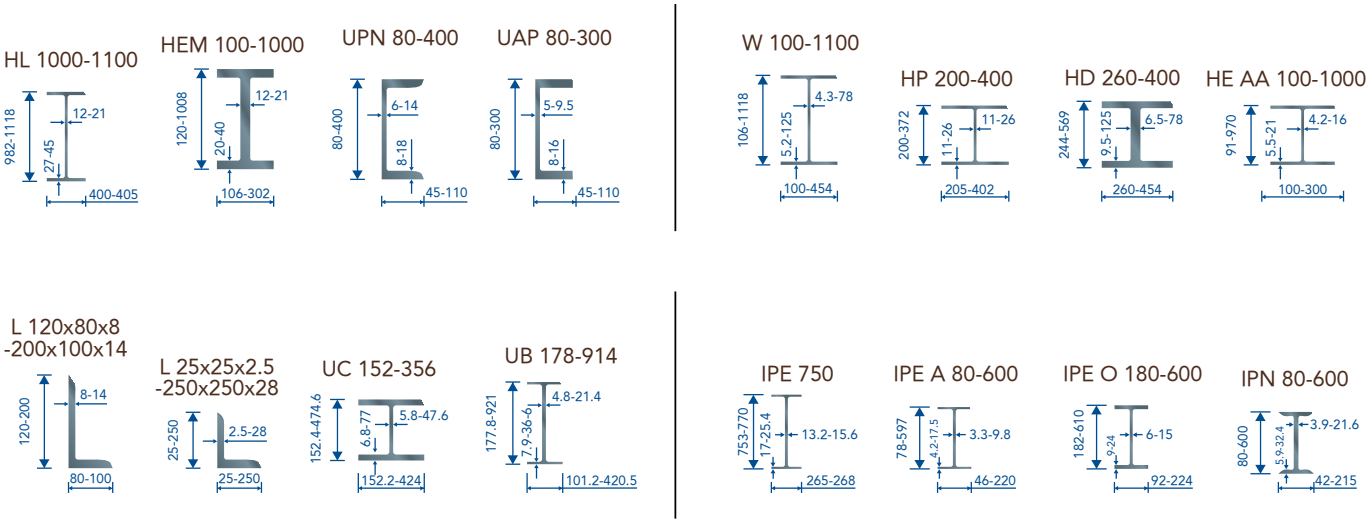
UPE PROFILES



HOLLOW SECTION PROFILES

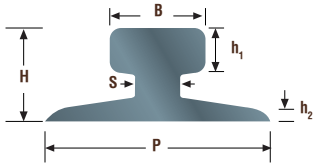


OTHER PROFILES

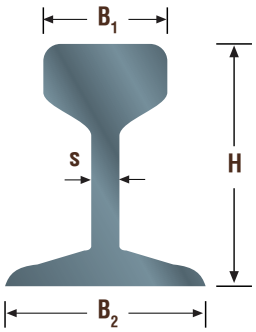


CRANE RAILS (DIN 536)

Section	G Unit Weight kg/m	h Depth mm	B Head Width mm	P Base Width mm	S Web Thickness mm	h_1 Head Thickness mm	h_2 Base Thickness mm	Single rail weight kg/12 m
A45	22.1	55	45	125	24	20.0	8	265
A55	31.8	65	55	150	31	25.0	9	382
A65	43.1	75	65	175	38	30.0	10	517
A75	56.2	85	75	200	45	35.0	11	674
A100	74.3	95	100	200	60	40.0	12	892
A120	100.0	105	120	220	72	47.5	14	1200
A150	150.3	150	150	220	80	47.5	14	1804



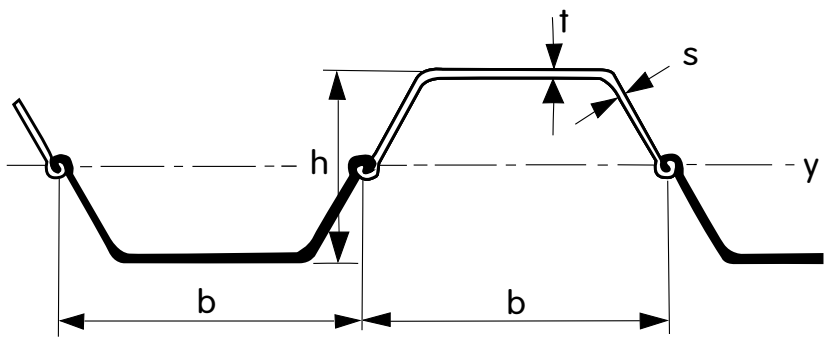
RAILS



Section	H Depth mm	B1 Head Width mm	B2 Base Width mm	S Web Thickness mm	G Unit Weight kg/m
S 10	75	35	56	10	11.00
S 12	80	34	65	7	12.00
S 14	80	38	70	9	14.00
S 18	93	43	82	10	18.30
S 20	100	44	82	10	33.47
S 24	115	53	90	10	24.43
S 33	134	58	105	11	33.47
S 41	138	67	125	12	40.95
S 49	149	67	125	14	49.43
S 54	154	67	125	16	54.54
S 64	172	74	150	16	64.92

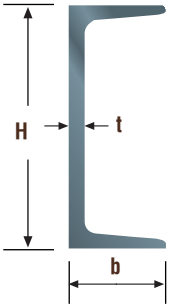
SHEET PILES

Section	G Unit Weight kg/m	G Unit Weight kg/m^2	h Depth mm	b Width mm	S Web Thickness mm	t Flange Thickness mm	Single Sheet Pile weight kg /8 m	Single Sheet Pile weight kg /12 m
AU 14	77.9	103.8	408	750	8.3	10.0	623	935
AU 16	86.3	115.0	411	750	9.3	11.5	690	1036
AU 17	89.0	118.7	412	750	9.7	12.0	712	1068
AU 18	88.5	118.0	441	750	9.1	10.5	708	1062
AU 20	96.9	129.2	444	750	10.0	12.0	775	1163
AU 21	99.7	132.9	445	750	10.3	12.5	798	1196
AU 23	102.1	136.1	447	750	9.5	13.0	817	1225
AU 25	110.4	147.2	450	750	10.2	14.5	883	1325
AU 26	113.2	150.9	451	750	10.5	15.0	906	1358
PU 12	66.1	110.1	360	600	9.0	9.8	529	793
PU 12 10/10	69.6	116.0	360	600	10.0	10.0	557	835
PU 18	76.9	128.2	430	600	9.0	11.2	615	923
PU 22	86.1	143.6	450	600	9.5	12.1	689	1033
PU 28	101.8	169.6	454	600	10.1	15.2	814	1222
PU 32	114.1	190.2	452	600	11.0	19.5	913	1369



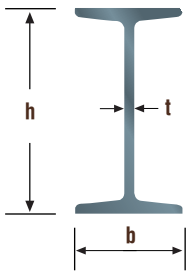
UPN PROFILES
(DIN 1026-1, Tolerances EN 10279)

H Depth mm	b Width mm	t Thickness mm	G Unit Weight kg/m
40	20	5.0	2.87
50	25	5.0	3.86
65	42	5.5	7.09
80	45	6.0	8.65
100	50	6.0	10.60
120	55	7.0	13.30
140	60	7.0	16.00
160	65	7.5	18.90
180	70	8.0	22.00
200	75	8.5	25.30
220	80	9.0	29.40
240	85	9.5	33.20
260	90	10.0	37.90
280	95	10.0	41.90
300	100	10.0	46.10
320	100	14.0	59.50
350	100	14.0	60.60
380	102	13.5	62.60
400	110	14.0	71.80



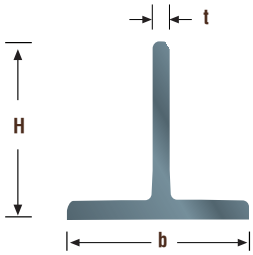
IPN PROFILES
(DIN 1025-1, Tolerances EN 10024)

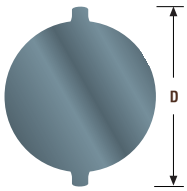
H Depth mm	b Width mm	t Thickness mm	G Unit Weight kg/m
80	42	5	5.94
100	50	4.5	8.34
120	58	5.1	11.10
140	66	5.7	14.30
160	74	6.3	17.90
180	82	6.9	21.90
200	90	7.5	26.20
220	98	8.1	31.00
240	106	8.7	36.20
260	113	9.4	41.90
280	119	10.1	47.90
300	125	10.8	54.20
320	131	11.5	61.00
340	137	12.2	68.14
360	143	13.0	76.10
380	149	13.7	84.00
400	155	14.4	92.50
450	170	16.2	115.00
500	185	18.0	141.00
550	200	19.0	166.00
600	215	21.6	199.00



T PROFILES (EN 10055)

H Depth mm	b Width mm	t Thickness mm	G Unit Weight kg/m
20	20	3.0	0.87
25	25	3.5	1.27
25	25	4.5	1.61
30	30	4.0	1.76
30	30	5.0	2.16
35	35	4.5	2.31
35	35	5.5	2.78
40	40	5.0	2.94
40	40	6.0	3.49
45	45	6.5	4.26
50	50	7.0	5.11
60	60	8.0	7.03
70	70	9.0	9.26
80	80	10.0	11.80
90	90	10.0	13.40
100	100	11.0	16.40
120	120	13.0	23.20
140	140	15.0	31.30





STEEL REINFORCEMENT REBARS

D (mm)	8	10	12	14	16	18	20	22	24	25	26	28	30
kg/m	0.395	0.617	0.888	1.208	1.578	1.998	2.466	2.984	3.551	3.853	4.168	4.834	5.549

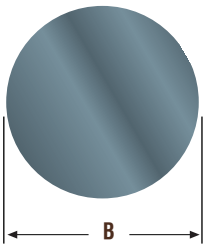
D (mm)	32	34	36	38	40	42	44	45	46	48	50	55	60
kg/m	6.313	7.127	7.990	8.903	9.865	10.876	11.936	12.485	13.046	14.205	15.413	18.650	22.195

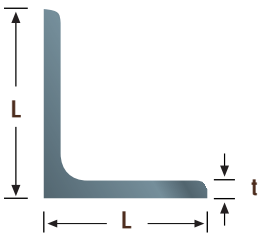
ROUND BARS (EN 10060)

B mm	Unit Weight kg/m	B mm	Unit Weight kg/m	B mm	Unit Weight kg/m
5	0.15	30	5.54	75	34.65
6	0.22	32	6.31	77	36.52
7	0.30	33	6.71	80	39.42
8	0.39	34	7.12	85	44.51
9	0.50	35	7.55	90	49.90
10	0.62	36	7.98	95	55.59
11	0.75	37	8.43	100	61.60
12	0.89	38	8.90	105	67.91
13	1.04	39	9.37	110	74.54
14	1.21	40	9.86	115	81.47
15	1.39	42	10.87	120	88.70
16	1.58	45	12.47	130	104.10
17	1.78	46	13.04	140	120.74
18	2.00	47	13.61	150	138.60
19	2.22	48	14.19	160	157.70
20	2.46	50	15.40	170	178.02
21	2.72	52	16.66	180	199.57
22	2.98	55	18.63	190	222.38
23	3.26	57	20.01	200	246.40
24	3.55	60	22.18	210	271.66
25	3.85	62	23.68	220	298.14
26	4.16	65	26.03	230	325.86
27	4.49	67	27.65	240	354.82
28	4.83	70	30.18	250	385.00

SQUARE BARS (EN 10059)

BxB mm	Unit Weight kg/m	BxB mm	Unit Weight kg/m	BxB mm	Unit Weight kg/m
5 x 5	0.20	30 x 30	7.07	75 x 75	44.16
6 x 6	0.28	32 x 32	8.04	77 x 77	46.54
7 x 7	0.39	33 x 33	8.55	80 x 80	50.24
8 x 8	0.50	34 x 34	9.08	85 x 85	56.72
9 x 9	0.64	35 x 35	9.62	90 x 90	63.59
10 x 10	0.79	36 x 36	10.17	95 x 95	70.85
11 x 11	0.95	37 x 37	10.75	100 x 100	78.50
12 x 12	1.13	38 x 38	11.34	105 x 105	86.55
13 x 13	1.33	39 x 39	11.94	110 x 110	94.99
14 x 14	1.54	40 x 40	12.56	115 x 115	103.82
15 x 15	1.77	42 x 42	13.85	120 x 120	113.04
16 x 16	2.01	45 x 45	15.90	130 x 130	132.67
17 x 17	2.27	46 x 46	16.61	140 x 140	153.86
18 x 18	2.54	47 x 47	17.34	150 x 150	176.63
19 x 19	2.83	48 x 48	18.09	160 x 160	200.96
20 x 20	3.14	50 x 50	19.63	170 x 170	226.87
21 x 21	3.46	52 x 52	21.23	180 x 180	254.34
22 x 22	3.80	55 x 55	23.75	190 x 190	283.39
23 x 23	4.15	57 x 57	25.51	200 x 200	314.00
24 x 24	4.52	60 x 60	28.26	210 x 210	346.19
25 x 25	4.91	62 x 62	30.18	220 x 220	379.94
26 x 26	5.31	65 x 65	33.17	230 x 230	415.27
27 x 27	5.72	67 x 67	35.24	240 x 240	452.16
28 x 28	6.15	70 x 70	38.47	250 x 250	490.63





ANGLES (EN 10056)

L x t mm mm	Unit Weight kg/m	L x t mm mm	Unit Weight kg/m	L x t mm mm	Unit Weight kg/m	L x t mm mm	Unit Weight kg/m	L x t mm mm	Unit Weight kg/m	L x t mm mm	Unit Weight kg/m
20 x 2	0.60	45 x 3	2.09	60 x 4	4.18	70 x 6	6.38	90 x 7	9.60	110 x 7	11.80
25 x 2.2	0.82	45 x 4	2.74	60 x 5	4.56	75 x 6	7.00	100 x 6	9.29	110 x 8	13.40
30 x 2.2	0.99	50 x 3	2.33	65 x 5	5.00	75 x 7	8.00	110 x 7	10.70	110 x 9	15.00
35 x 3	1.60	50 x 4	3.06	65 x 6	5.93	80 x 6	7.34	110 x 7	12.20	120 x 8	14.70
40 x 3	1.84	45 x 4	3.70	70 x 5	5.37	80 x 7	8.48	110 x 9	13.50	120 x 9	16.40
				90 x 6	8.30	110 x 6	10.24	120 x 10	18.20		

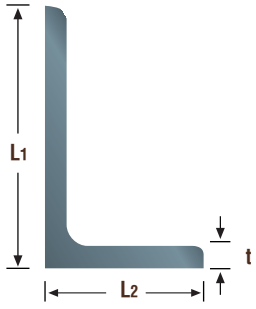
ANGLES (EN 10056)

L x t mm	Unit Weight kg/m	L x t mm	Unit Weight kg/m	L x t mm	Unit Weight kg/m
20 x 3	0.88	70 x 5	5.37	120 x 8	14.70
20 x 4	1.14	70 x 6	6.38	120 x 10	18.20
25 x 3	1.12	70 x 7	7.38	120 x 11	19.90
25 x 4	1.45	70 x 8	8.36	120 x 12	21.60
25 x 5	1.77	70 x 9	9.37	120 x 13	23.30
30 x 3	1.36	70 x 11	11.20	120 x 15	26.60
30 x 4	1.76	75 x 5	5.78	130 x 12	23.60
30 x 5	2.18	75 x 6	6.87	130 x 14	27.20
35 x 3	1.60	75 x 7	7.94	130 x 16	30.90
35 x 4	20.90	75 x 8	9.03	140 x 13	27.50
35 x 5	2.57	75 x 10	11.10	140 x 15	31.40
40 x 3	1.84	75 x 12	13.10	140 x 17	35.30
40 x 4	2.42	80 x 6	7.34	150 x 12	27.30
40 x 5	2.97	80 x 7	8.49	150 x 14	31.60
40 x 6	3.52	80 x 8	9.63	150 x 15	33.80
45 x 3	2.09	80 x 9	10.80	150 x 16	35.90
45 x 4	2.74	80 x 10	11.90	150 x 18	40.10
45 x 5	3.38	80 x 12	14.10	160 x 15	36.20
45 x 6	4.00	90 x 6	8.30	160 x 17	40.70
50 x 3	2.33	90 x 8	10.90	180 x 16	43.50
50 x 4	3.06	90 x 9	12.20	180 x 18	48.60
50 x 5	3.77	90 x 10	13.40	180 x 20	53.70
50 x 6	4.47	90 x 11	14.70	180 x 22	58.60
55 x 5	4.18	90 x 13	17.10	200 x 16	48.50
55 x 6	4.95	100 x 6.5	9.90	200 x 18	54.30
55 x 7	5.71	100 x 7	10.70	200 x 20	59.90
60 x 4	3.70	100 x 8	12.20	200 x 24	71.10
60 x 5	4.57	100 x 10	15.00	200 x 28	82.00
60 x 6	5.42	100 x 12	17.80	250 x 20	75.60
60 x 7	6.26	100 x 14	20.60	250 x 22	82.80
65 x 5	4.98	100 x 15	21.90	250 x 24	90.00
65 x 6	5.91	100 x 16	23.20	250 x 25	93.50
65 x 7	6.83	100 x 20	28.40	250 x 26	97.00
65 x 8	7.73	110 x 10	16.60	250 x 27	105.00
65 x 9	8.62	110 x 12	19.70	250 x 28	104.00
		110 x 14	22.80		

UNEQUAL ANGLES (EN10056)

L1xL2 mm \ t mm	Unit Weight (kg/m)					
	5	6	8	10	12	15
60x50	4.15	4.93	6.43	7.88		
75X50	4.74	5.63	7.39	9.05		
75x60	5.14	6.11	8.01	9.85		
80x40		5.41	7.07	8.67		
90x60		6.83	8.97	11.04		
90x75		7.55	9.93	12.23		
100x50		6.85	8.99	11.06	13.06	
100x75		8.04	10.57	13.03	15.44	
100x90		8.77	11.53	14.23	16.87	
125x75			12.16	15.01	17.81	
125x80			12.47	15.41	18.28	22.47
125x90			13.12	16.21	19.24	23.65
130x75			12.47	15.41	18.28	22.47
190x90				16.60	19.72	24.26
150x90				18.20	21.60	26.60

Upon request according to;
TS 909
DIN 1029
ASTM A6



FLATS (EN 79-69, Tolerances 10058)

L: Width (mm) **t:** Thickness (mm)

L \ t	Unit Weight (kg / m)																		
	3	4	5	6	7	8	10	12	14	15	16	18	20	22	25	30	35	40	50
10	0.27	0.31	0.39	0.47	0.55	0.63													
12	0.28	0.38	0.38	0.57	0.66	0.75	0.94												
14	0.33	0.44	0.55	0.66	0.68	0.88	1.10	1.32											
15	0.35	0.47	0.59	0.71	0.82	0.94	1.18	1.41											
16	0.38	0.50	0.63	0.75	0.88	1.00	1.26	1.51	1.76										
18	0.42	0.57	0.71	0.85	0.99	1.13	1.41	1.70	1.98	2.12	2.26								
20	0.47	0.63	0.79	0.94	1.10	1.26	1.57	1.88	2.20	2.36	2.51	2.83							
22	0.59	0.67	0.86	1.04	1.21	1.38	1.73	2.07	2.42	2.59	2.76	3.10	3.45						
25	0.60	0.78	0.98	1.18	1.37	1.57	1.96	2.36	2.75	2.94	3.14	3.53	3.93	4.32					
30	0.71	0.94	1.18	1.41	1.65	1.88	2.36	2.83	3.30	3.53	3.77	4.24	4.71	5.18	5.89				
35	0.84	1.10	1.37	1.65	1.92	2.20	2.75	3.30	3.85	4.40	4.95	5.50	6.04	6.87	8.24				
40	0.94	1.26	1.57	1.88	2.20	2.51	3.14	3.77	4.40	4.71	5.02	5.65	6.28	6.91	7.85	9.42	10.99		
45	1.06	1.41	1.77	2.12	2.47	2.83	3.53	4.24	4.95	5.30	5.65	6.36	7.06	7.77	8.83	10.06	12.36	14.13	
50	1.18	1.57	1.96	2.36	2.75	3.14	3.92	4.71	5.50	5.89	6.28	7.06	7.85	8.64	9.81	11.78	13.74	15.70	
55	1.30	1.73	2.16	2.59	3.02	3.45	4.32	5.18	6.04	6.48	6.91	7.77	8.64	9.50	10.08	12.95	15.11	17.27	
60	1.41	1.88	2.36	2.83	3.30	3.77	4.71	5.65	6.59	7.06	7.54	8.48	9.42	10.36	11.78	14.13	16.49	18.84	23.60
65	1.53	2.04	2.55	3.06	3.57	4.08	5.10	6.12	7.14	7.65	8.16	9.19	10.21	11.23	12.76	15.31	17.86	20.41	25.50
70	1.65	2.20	2.75	3.30	3.85	4.40	5.50	6.59	7.69	8.24	8.79	9.89	11.00	12.10	13.74	16.49	19.23	21.98	27.50
75	1.77	2.36	2.94	3.53	4.12	4.71	5.89	7.06	8.24	8.83	9.42	10.60	11.80	12.95	14.72	17.66	20.61	23.55	29.40
80	1.88	2.51	3.14	3.77	4.40	5.02	6.28	7.54	8.79	9.42	10.00	11.30	12.56	13.82	15.70	18.84	21.98	25.12	31.40
90	2.12	2.83	3.53	4.24	4.95	5.65	7.06	8.48	9.89	10.60	11.30	12.71	14.13	15.54	17.66	21.20	24.73	28.26	35.30
100	2.36	3.14	3.92	4.71	5.50	6.28	7.85	9.42	11.00	11.78	12.56	14.13	15.70	17.27	19.63	23.55	27.48	31.40	39.20
110	2.59	3.45	4.32	5.18	6.04	6.91	8.64	10.36	12.09	12.95	13.82	15.54	17.27	18.99	21.59	25.91	30.22	34.54	43.20
120	2.83	3.77	4.71	5.65	6.59	7.54	9.42	11.30	13.19	14.13	15.07	16.96	18.84	20.72	23.55	28.26	32.97	37.68	47.10
130	3.06	4.08	5.10	6.12	7.14	8.16	10.21	12.25	14.29	15.31	16.33	18.37	20.41	22.45	25.51	30.62	35.72	40.82	51.00
140	3.30	4.40	5.50	6.59	7.69	8.79	11.00	13.19	15.39	16.49	17.58	19.78	21.98	24.18	27.48	32.97	38.47	43.96	55.00
150	3.53	4.71	5.80	7.06	8.24	9.42	11.78	14.13	16.49	17.66	18.84	21.20	23.55	25.91	29.44	35.33	41.21	47.10	58.88
160	3.77	5.02	6.28	7.54	8.79	10.05	12.56	15.07	17.60	18.84	20.09	22.60	25.12	27.60	31.40	37.68	44.00	50.24	62.80
170	4.00	5.34	6.67	8.01	9.34	10.68	13.35	16.01	18.70	20.02	21.40	24.00	26.69	29.40	33.40	40.00	46.70	53.40	66.73
180	4.24	5.65	7.06	8.48	9.89	11.30	14.13	16.96	19.80	21.20	22.60	25.40	28.26	31.10	35.30	42.39	49.50	56.50	70.65
200	4.71	6.28	7.85	9.42	11.00	12.56	15.70	18.84	22.00	23.55	25.10	28.30	31.40	34.50	39.20	47.10	55.00	62.80	78.50

WIDE FLATS (EN79-69, Tolerances EU 91-81)

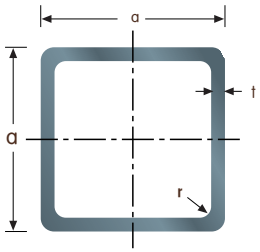
L: Width (mm) **t:** Thickness (mm)

L \ t	Unit Weight (kg / m)															
	5	6	8	9	10	12	15	20	25	30	35	40	45	50	55	60
150	5.80	7.06	9.42	10.59	11.78	14.13	17.66	23.55	29.44	35.33	41.21	47.10	52.99	58.88	64.76	70.65
160	6.28	7.54	10.05	11.30	12.56	15.07	18.84	25.12	31.40	37.68	44.00	50.24	56.52	62.80	69.08	75.36
170	6.67	8.01	10.68	12.01	13.35	16.01	20.02	26.69	33.40	40.00	46.70	53.40	60.05	66.73	73.40	80.07
180	7.06	8.48	11.30	12.72	14.13	16.96	21.20	28.26	35.30	42.39	49.50	56.50	63.59	70.65	77.72	84.78
190	7.46	8.95	11.93	13.42	14.92	17.90	29.83	52.20	67.12	74.58	82.03	59.66	67.12	74.58	82.03	89.49
200	7.85	9.42	12.56	14.13	15.70	18.84	23.55	31.40	39.20	47.10	55.00	62.80	70.65	78.50	86.35	94.20
220	8.64	10.36	13.82	15.54	17.27	20.72	25.91	34.54	43.18	51.81	60.44	69.08	77.72	86.35	94.99	103.62
230	9.03	10.83	14.44	16.25	18.06	21.67	27.08	36.11	45.14	54.17	63.19	72.22	81.25	90.27	99.30	108.33
240	9.42	11.30	15.07	16.96	18.84	22.61	28.26	37.68	47.10	56.52	65.94	75.36	84.78	94.20	103.62	113.04
250	9.81	11.78	15.70	17.66	19.63	23.55	29.44	39.25	49.06	58.88	68.69	78.50	88.31	98.13	107.94	117.75
280	10.99	13.19	17.58	19.78	21.98	26.38	32.97	43.96	54.95	65.94	76.93	87.62	98.91	109.90	120.89	131.88
300	11.78	14.13	18.84	21.20	23.55	28.26	35.33	47.10	58.88	70.65	82.43	94.20	105.98	117.75	129.53	141.30
320	12.56	15.07	20.10	22.61	25.12	30.14	37.68	50.24	62.80	75.36	87.92	100.48	113.04	125.60	138.16	150.72
350	13.74	16.49	21.98	24.73	27.48	32.97	41.21	54.95	68.69	82.43	96.16	109.90	123.64	137.38	151.11	164.85
380	14.92	17.90	23.86	26.85	29.83	35.80	44.75	59.66	74.58	89.49	104.41	119.32	164.24	149.15	164.07	178.98
400	15.70	18.84	25.12	28.26	31.40	37.68	47.10	62.80	78.50	94.20	109.90	125.60	141.30	157.00	172.70	188.40
420	16.49	19.78	26.38	29.67	32.97	39.56	49.46	65.94	82.43	98.91	115.40	131.80	148.37	164.85	181.34	197.82
450		21.20	28.26	31.79	35.33	42.39	52.99	70.65	88.31	105.98	123.64	141.30	158.96	176.63	194.29	211.95
480		22.61	30.14	33.91	37.68	45.22	56.52	75.36	94.20	113.04	131.88	150.72	169.56	188.40	207.24	226.08
500		23.55	31.40	35.33	39.25	47.10	58.88	78.50	98.13	117.75	137.38	157.00	176.63	196.25	215.88	235.50
550			34.54	38.86	43.18	51.81	64.76	86.35	107.94	129.53	151.11	172.70	194.29	215.88	237.46	259.05
600			37.68	42.39	47.10	56.52	70.65	94.20	117.75	141.30	164.85	188.40	211.95	235.50	259.05	282.60

SQUARE HOLLOW SECTION PROFILES (EN 10219)

a x a: Dimension (mm) **t:** Thickness (mm)

a x a \ t	Unit Weight (kg/m)										
	1.5	2.0	2.5	3.0	4.0	5.0	6.0	6.3	8.0	10.0	12.0
20 x 20	0.8	1.0	1.2								
25 x 25	1.1	1.4	1.6	1.9							
30 x 30	1.3	1.7	2.0	2.4							
35 x 35	1.5	2.0	2.4	2.8							
40 x 40	1.8	2.3	2.8	3.3	4.2						
50 x 50	2.2	2.9	3.6	4.2	5.5	6.6	7.6	7.6			
60 x 60		3.6	4.4	5.2	6.7	8.1	9.4	9.6			
70 x 70		4.2	5.2	6.1	8.0	9.7	11.3	11.5			
80 x 80		4.8	6.0	7.1	9.2	11.3	13.2	13.5	16.4		
90 x 90			6.7	8.0	10.5	12.8	15.1	15.5	18.9		
100 x 100			7.5	9.0	11.7	14.4	17.0	17.5	21.4	25.6	
110 x 110			8.3	9.9	13.0	16.0	18.9	19.4	23.9	28.7	
120 x 120					14.2	17.5	20.7	21.4	26.4	31.8	
140 x 140					16.8	20.7	24.5	25.4	31.4	38.1	
150 x 150					18.0	22.3	26.4	27.4	33.9	41.3	
160 x 160						23.8	28.3	29.3	36.5	44.4	
180 x 180						27.0	32.1	33.3	41.5	50.7	
200 x 200						30.1	35.8	37.2	46.5	57.0	66.0
220 x 220							39.6	41.2	51.5	63.2	73.5
250 x 250							45.2	47.1	59.1	72.7	84.8
260 x 260							47.1	49.1	61.6	75.8	88.6
300 x 300							54.7	57.0	71.6	88.4	103.7
400 x 400							73.5	76.8	96.7	119.8	141.3



Tolerances

Wall Thickness
T≤5mm ±%10
T>5mm ±0.5mm

Dimensions
H;B<50mm ±0.5mm
50≤H;B<100mm ±%1
100≤H;B<200 ±%0.8
H;B>200mm ±%0.6mm

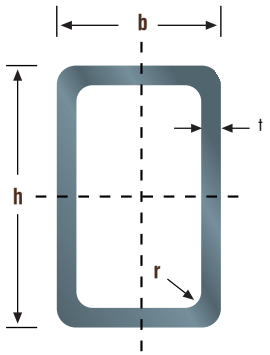
Corner Radius
T≤6mm; r=1.6T-2.4T
6<T≤10mm; r=2.0T-3.0
10mm<T; r=2.4T-3.6T

* For your requirements of other dimensions, please contact to your Sales Account.

RECTANGULAR HOLLOW SECTION PROFILES (EN 10219)

h x b: Dimension (mm) **t:** Thickness (mm)

h x b \ t	Unit Weight (kg / m)										
	1.5	2.0	2.5	3.0	4.0	5.0	6.0	6.3	8.0	10.0	12.0
30 x 10	0.8	1.0									
30 x 20	1.1	1.4	1.6								
40 x 20	1.3	1.7	2.0	2.4							
40 x 30	1.5	2.0	2.4	2.8							
50 x 20	1.5	2.0	2.4	2.8							
50 x 30	1.8	2.3	2.8	3.3							
50 x 40	2.0	2.6	3.2	3.8	4.8						
60 x 30	2.0	2.6	3.2	3.8	4.8						
60 x 40	2.2	2.9	3.6	4.2	5.5	6.6					
75 x 50	2.8	3.7	4.6	5.4	7.0	8.5	9.9	10.0			
80 x 40	2.7	3.6	4.4	5.2	6.7	8.1					
80 x 60		4.2	5.2	6.1	8.0	9.7	11.3	11.5			
90 x 50		4.2	5.2	6.1	8.0	9.7	11.3	11.5			
100 x 40		4.2	5.2	6.1	8.0	9.7					
100 x 50		4.5	5.6	6.6	8.6	10.5	12.3	12.5			
100 x 80		5.4	6.7	8.0	10.5	12.8	15.1	15.5	18.9		
120 x 50		5.1	6.3	7.5	9.9	12.1	14.2	14.5			
120 x 60		5.4	6.7	8.0	10.5	12.8	15.1	15.5			
120 x 80			7.5	9.0	11.7	14.4	17.0	17.5	21.4		
140 x 80				9.9	13.0	16.0	18.9	19.4	23.9		
160 x 80				10.8	14.2	17.5	20.7	21.4	26.4		
150 x 50				9.0	11.7	14.4	17.0	17.5			
150 x 100				11.3	14.9	18.3	21.7	22.4	27.7	33.4	
180 x 100				12.7	16.8	20.7	24.5	25.4	31.4	38.1	
180 x 120					18.0	22.3	26.4	27.4	33.9	41.3	
200 x 100				13.7	18.0	22.3	26.4	27.4	33.9	41.3	
200 x 120					19.3	23.8	28.3	29.3	36.5	44.4	
250 x 150					24.3	30.1	35.8	37.2	46.5	57.0	
260 x 180						33.2	39.6	41.2	51.5	63.2	
300 x 100					24.3	30.1	35.8	37.2	46.5	57.0	
300 x 200							45.2	47.1	59.1	72.7	84.8
350 x 100							40.5	42.2	52.8	64.8	
350 x 250							54.7	57.0	71.6	88.4	103.7
400 x 200							54.7	57.0	71.6	88.4	103.7
500 x 300							73.5	76.8	96.7	119.8	141.3



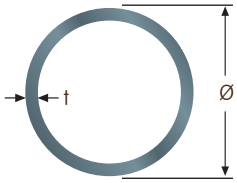
Tolerances

Wall Thickness
T≤5mm ±%10
T>5mm ±0.5mm

Dimensions
H;B<50mm ±0.5mm
50≤H;B<100mm ±%1
100≤H;B<200 ±%0.8
H;B>200mm ±%0.6mm

Corner Radius
T≤6mm; r=1.6T-2.4T
6<T≤10mm; r=2.0T-3.0
10mm<T; r=2.4T-3.6T

* For your requirements of other dimensions, please contact to your Sales Account.



CIRCULAR HOLLOW SECTION PROFILES (EN 10219)

Ø: Outer Diameter (mm) **t:** Thickness (mm)

Ø \ t	Unit Weight (kg/m)														
	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.3	7.0	8.0	9.0	10.0
Ø 21.3	0.7	1.0	1.2	1.4											
Ø 25.0	0.9	1.1	1.4	1.6											
Ø 26.9	0.9	1.2	1.5	1.8	2.0										
Ø 30.0	1.1	1.4	1.7	2.0	2.3										
Ø 33.7	1.2	1.6	1.9	2.3	2.6										
Ø 38.0	1.4	1.8	2.2	2.6	3.0	3.4									
Ø 42.4	1.5	2.0	2.5	2.9	3.4	3.8									
Ø 45.0	1.6	2.1	2.6	3.1	3.6	4.0									
Ø 48.3	1.7	2.3	2.8	3.4	3.9	4.4	4.9								
Ø 51.0	1.8	2.4	3.0	3.6	4.1	4.6	5.2	5.7							
Ø 57.0	2.1	2.7	3.4	4.0	4.6	5.2	5.8	6.4							
Ø 60.3	2.2	2.9	3.6	4.2	4.9	5.6	6.2	6.8							
Ø 63.0		3.0	3.7	4.4	5.1	5.8	6.5	7.2							
Ø 76.1		3.7	4.5	5.4	6.3	7.1	7.9	8.8							
Ø 88.9		4.3	5.3	6.4	7.4	8.4	9.4	10.3	11.3						
Ø 102.0		4.9	6.1	7.3	8.5	9.7	10.8	12.0	13.1						
Ø 108.0			6.5	7.8	9.0	10.3	11.5	12.7	13.9						
Ø 114.3			6.9	8.2	9.6	10.9	12.2	13.5	14.8	16.0					
Ø 127.0			7.7	9.2	10.7	12.1	13.6	15.0	16.5	17.9					
Ø 139.7			8.5	10.1	11.8	13.4	15.0	16.6	18.2	19.8					
Ø 152.4			9.2	11.1	12.9	14.6	16.4	18.2	19.9	21.7					
Ø 168.3			2.2	14.2	16.2	18.2	20.1	22.1	24.0	25.2	27.8	31.6			
Ø 219.1				16.0	18.6	21.2	23.8	26.4	29.0	31.5	33.1	36.6	41.6	46.6	
Ø 273.0						26.5	29.8	33.0	36.3	39.5	41.4	45.9	52.3	58.6	64.9
Ø 323.9						31.6	35.4	39.3	43.2	47.0	49.3	54.7	62.3	69.9	

Wall Thickness
Ø≤406.4mm
T≤5mm ±%10
T>5mm ±0.5mm

Outer Diameter
Ø<50mm;±0.5mm
50≤Ø≤1000mm; ±%1

* For your requirements of other dimensions, please contact to your Sales Account.

PRECISION TUBES
(DIN 2393 DIN 2394)

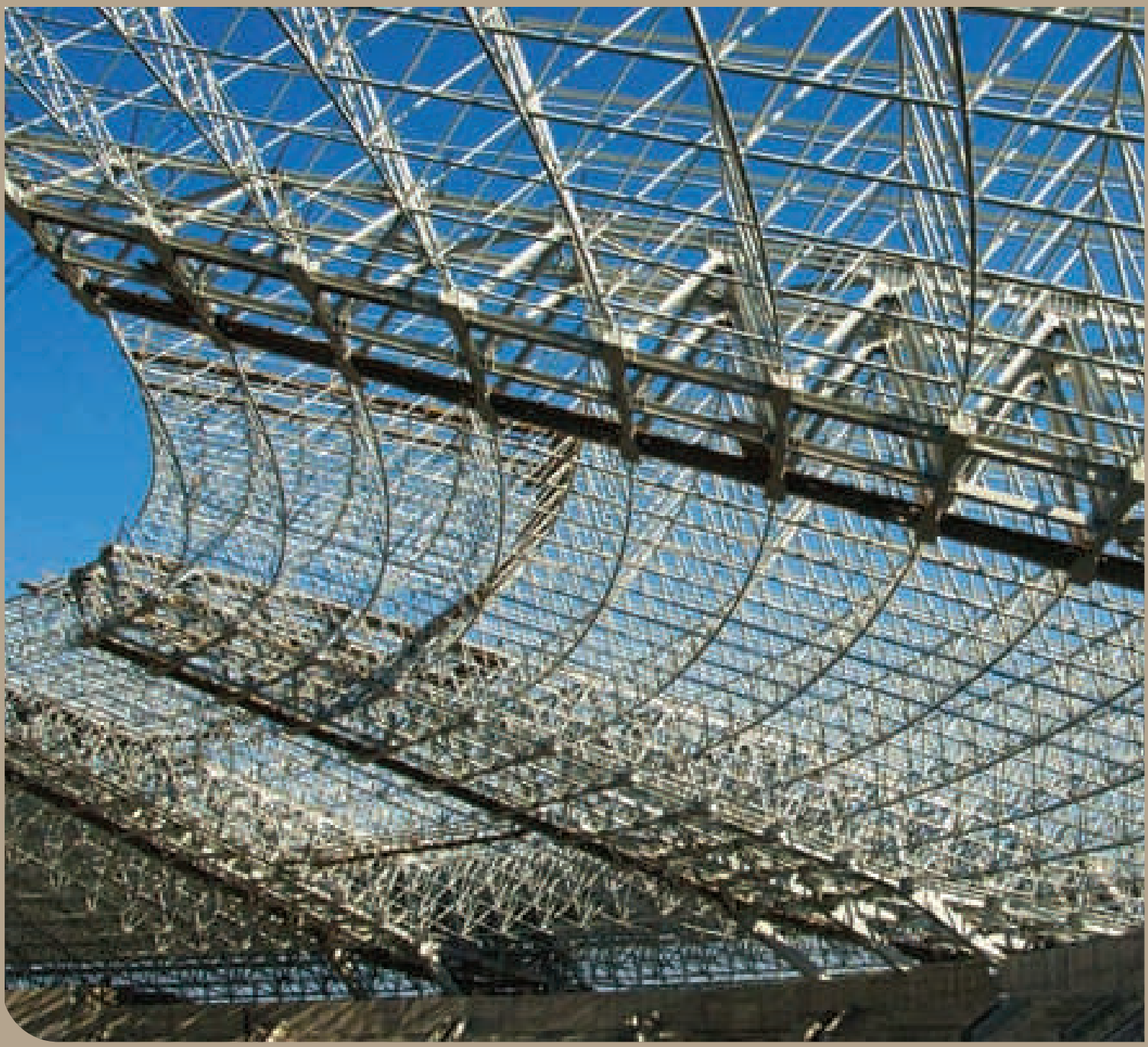
t (mm) / Ø (mm)	1.0	1.2	1.5	1.8	2.0	2.2	2.5
	Unit Weight (kg/m)						
13	0.30	0.35	0.43				
16	0.37	0.44	0.54	0.63	0.69		
18	0.42	0.50	0.61	0.72	0.78		
19	0.44	0.53	0.65	0.76	0.83		
20	0.47	0.56	0.68	0.81	0.88	0.96	1.07
21	0.49	0.59	0.72	0.85	0.93	1.02	1.14
22	0.52	0.62	0.76	0.89	0.98	1.07	1.20
25	0.59	0.70	0.87	1.03	1.13	1.23	1.39
26	0.62	0.73	0.91	1.07	1.18	1.29	1.45
28	0.67	0.79	0.98	1.16	1.28	1.40	1.57
30	0.72	0.85	1.05	1.25	1.38	1.50	1.70
32	0.76	0.91	1.12	1.34	1.48	1.61	1.82
35	0.83	1.00	1.24	1.47	1.62	1.78	2.00
38	0.91	1.08	1.35	1.60	1.77	1.94	2.20
40	0.96	1.15	1.42	1.69	1.87	2.05	2.31
42		1.21	1.49	1.78	1.97	2.15	2.43
45		1.30	1.61	1.91	2.12	2.32	2.62
48		1.38	1.72	2.05	2.26	2.48	2.80
50		1.44	1.79	2.14	2.36	2.59	2.93
51		1.47	1.83	2.18	2.41	2.64	2.99
55		1.59	1.98	2.36	2.61	2.86	3.23
60				2.58	2.86	3.13	3.54
63				2.71	3.00	3.29	3.73
70				3.02	3.35	3.67	4.16
76				3.29	3.65	4.00	4.53
80				3.47	3.84	4.22	4.77
89					4.29	4.70	5.33
90							5.39

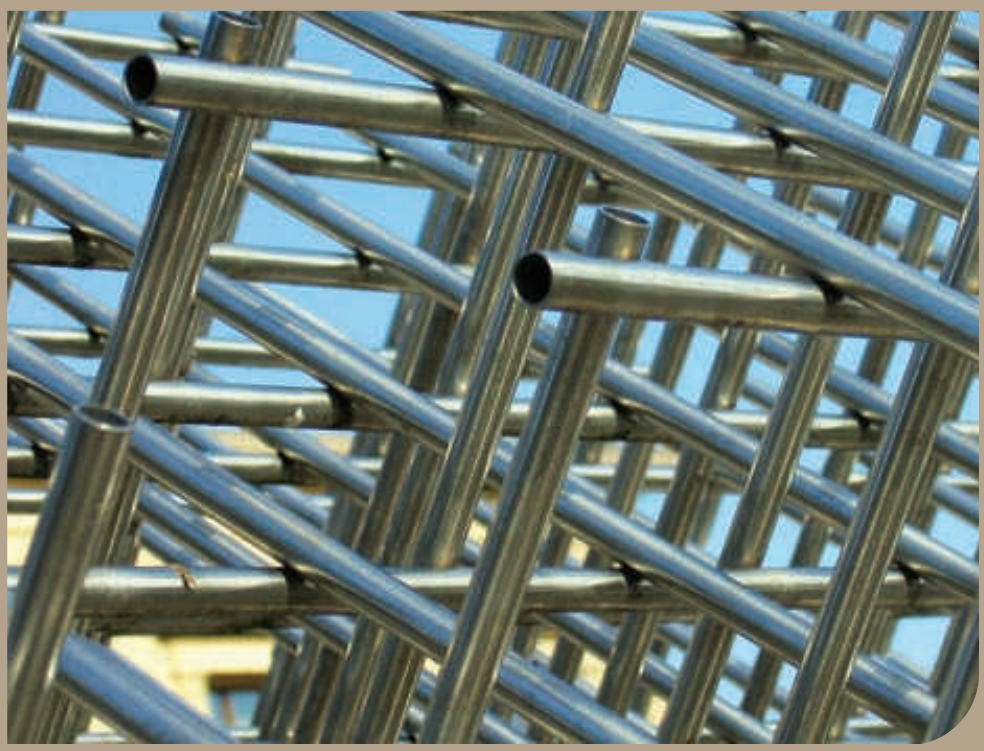
WATER AND GAS PIPES (DIN 2440)

Nominal Diameter		Outer Diameter	Wall Thickness	Black Gear With Sleeve	Galvanised Gear With Sleeve	Black With Flat End	Galvanised Flat End
inç	mm	mm	mm	kg/m	kg/m	kg/m	kg/m
3/8	10	17.20	2.35	0.86	0.90	0.85	0.90
1/2	15	21.30	2.65	1.23	1.29	1.22	1.27
3/4	20	26.90	2.65	1.59	1.66	1.58	1.65
1	25	33.70	3.25	2.46	2.57	2.44	2.55
1 1/4	32	42.40	3.25	3.17	3.31	3.14	3.28
1 1/2	40	48.30	3.25	3.65	3.81	3.61	3.77
2	50	60.30	3.65	5.17	5.40	5.10	5.33
2 1/2	65	76.10	3.65	6.63	6.93	6.51	6.80
3	80	88.90	4.05	8.64	9.03	8.47	8.85
4	100	114.30	4.50	12.40	13.09	12.10	12.60
5	125	139.70	4.85	16.70	17.50	16.20	16.90
6	150	165.10	4.85	19.80	20.70	19.20	20.10

WATER AND GAS PIPES (HEAVY SECTION)
(DIN 2441)

Nominal Diameter		Outer Diameter	Wall Thickness	Black Gear With Sleeve	Galvanised Gear With Sleeve	Black With Flat End	Galvanised With Flat End
inç	mm	mm	mm	kg/m	kg/m	kg/m	kg/m
3/8	10	17.2	2.90	1.03	1.08	1.02	1.07
1/2	15	21.3	3.25	1.46	1.53	1.45	1.52
3/4	20	26.9	3.25	1.91	2.00	1.90	1.99
1	25	33.7	4.05	2.99	3.12	2.97	3.10
1 1/4	32	42.4	4.05	3.87	4.04	3.84	4.01
1 1/2	40	48.3	4.05	4.47	4.67	4.43	4.63
2	50	60.3	4.50	6.24	6.52	6.17	6.45
2 1/2	65	76.1	4.50	8.02	8.38	7.90	8.26
3	80	88.9	4.85	10.3	10.76	10.01	10.06
4	100	114.3	5.40	14.7	15.36	14.40	15.00
5	125	139.7	5.40	18.3	18.7	17.80	18.60
6	150	165.1	5.40	21.8	22.3	21.20	22.20





ArcelorMittal
Distribution Solutions
ROZAK

HOT ROLLED PLATES (Tolerances EN 10029)

Thickness mm	pcs weight (kg) Dimensions (Width X Length)									
	1200x2400	1250x2500	1500x3000	1500x6000	1500x12000	2000x6000	2000x8000	2000x12000	2500x12000	3000x12000
6	136	147	212	424	848	565	754	1130	1413	1696
8	181	196	283	565	1130	754	1005	1507	1884	2261
10	226	245	353	707	1413	942	1256	1884	2355	2826
12	271	294	424	848	1696	1130	1507	2261	2826	3391
14	317	343	495	989	1978	1319	1758	2638	3297	3956
15	339	368	530	1060	2120	1413	1884	2826	3533	4239
16	362	393	565	1130	2261	1507	2010	3014	3768	4522
18	407	442	636	1272	2543	1696	2261	3391	4239	5087
20	452	491	707	1413	2826	1884	2512	3768	4710	5652
22	497	540	777	1554	3109	2072	2763	4145	5181	6217
25	565	613	883	1766	3533	2355	3140	4710	5888	7065
30	678	736	1060	2120	4239	2826	3768	5652	7065	8478
32	723	785	1130	2261	4522	3014	4019	6029	7536	9043
35	791	859	1236	2473	4946	3297	4396	6594	8243	9891
40	904	981	1413	2826	5652	3768	5024	7536	9420	11304
45	1017	1104	1590	3179	6359	4239	5652	8478	10598	12717
50	1130	1227	1766	3533	7065	4710	6280	9420	11775	14130
55	1243	1349	1943	3886	7772	5181	6908	10362	12953	
60	1356	1472	2120	4239	8478	5652	7536	11304	14130	
70	1583	1717	2473	4946	9891	6594	8792	13188		
80	1809	1963	2826	5652	11304	7536	10048			
90	2035	2208	3179	6359	12717	8478	11304			
100	2261	2453	3533	7065	14130	9420	12560			
110	2487	2698	3886	7772		10362				
120	2713	2944	4239	8478		11304				
130	2939	3189	4592	9185		12246				
150	3391	3680	5299	10598		14130				
200	4522	4906	7065	14130						

Thickness : 6-200 mm
Width : 1400-3500 mm
Length : 2000-14000 mm
Steel Grade: Structural, Pressure Vessels, Boiler, Ship Building

HRC - HRS HOT ROLLED COILS & SHEETS (Toleranslar EN 10051)

Thickness mm	Unit Weight kg/m²	pcs weight (kg) Dimensions (Width X Length)							
		1000x2000	1200x2400	1250x2500	1500x3000	1500x6000	1500x12000	2000x6000	2000x8000
1.5	11.78	24	34	37	53	106	212	141	188
2	15.70	31	45	49	71	141	283	188	251
2.5	19.62	39	57	61	88	177	353	236	314
3	23.55	47	68	74	106	212	424	283	377
4	31.40	63	90	98	141	283	565	377	502
5	39.25	79	113	123	177	353	707	471	628
6	47.10	94	136	147	212	424	848	565	754
7	54.95	110	158	172	247	495	989	659	879
8	62.80	126	181	196	283	565	1130	754	1005
9	70.65	141	203	221	318	636	1272	848	1130
10	78.50	157	226	245	353	707	1413	942	1256
11	86.35	173	249	270	389	777	1554	1036	1382
12	94.20	188	271	294	424	848	1696	1130	1507
13	102.05	204	294	319	459	918	1837	1225	1633
14	109.90	220	317	343	495	989	1978	1319	1758
15	117.75	236	339	368	530	1060	2120	1413	1884
16	125.60	251	362	393	565	1130	2261	1507	2010

Thickness : 1.5-16 mm
Width : 1000-2000 mm
Steel Grade: Structural, Pressure Vessels, Boiler, Ship Building

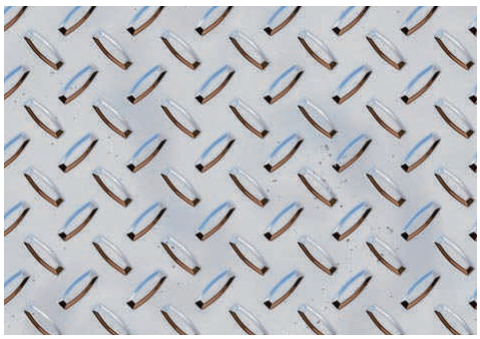
COLLED ROLLED COILS & SHEETS
(Tolerances EN 10131)

Thickness	Unit Weight	pcs weight (kg) Dimension (Width X Length)		
mm	kg/m²	1000x2000	1250x2500	1500x3000
0.40	3.14	6.28	9.81	14.13
0.50	3.93	7.85	12.27	17.66
0.60	4.71	9.42	14.72	21.20
0.70	5.50	10.99	17.17	24.73
0.80	6.28	12.56	19.63	28.26
0.90	7.07	14.13	22.08	31.78
1.00	7.85	15.70	24.53	35.33
1.25	9.81	19.62	30.66	44.15
1.50	11.78	23.56	63.81	53.01
2.00	15.70	31.40	49.06	70.65
2.50	19.62	39.24	61.31	88.29
3.00	23.55	47.10	73.59	105.98

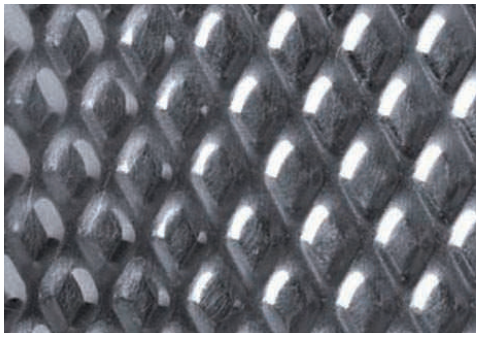
Thickness : 0.35-3.0 mm
Width : 1000-2000 mm

DIAMOND & TEAR DROP PLATES

Thickness mm	Dimension mm	pcs weight (kg) Diamond	Tear Drop
1.5/2.5	1000 x 2000	31.55	27.55
1.5/2.5	1219 x 2400	46.15	40.30
1.5/2.5	1250 x 2500	49.30	43.05
2/3	1000 x 2000	39.40	35.40
2/3	1219 x 2400	57.63	51.78
2/3	1250 x 2500	61.56	55.31
3/4	1000 x 2000	55.10	51.10
3/4	1219 x 2400	80.60	74.75
3/4	1250 x 2500	110.83	104.33
4/5	1000 x 2000	70.80	66.80
4/5	1219 x 2400	103.57	97.52
4/5	1250 x 2500	110.83	104.38
5/6	1000 x 2000	86.50	82.50
5/6	1219 x 2400	126.53	120.68
5/6	1250 x 2500	135.16	128.91
6/7	1000 x 2000	102.20	98.20
6/7	1219 x 2400	149.50	143.65
6/7	1250 x 2500	159.69	153.44
7/8	1000 x 2000	117.90	113.60
7/8	1219 x 2400	172.46	166.61
7/8	1250 x 2500	184.22	177.97
8/9	1000 x 2000	133.60	129.60
8/9	1219 x 2400	195.43	189.58
8/9	1250 x 2500	208.75	202.50
9/10	1000 x 2000	149.30	145.30
9/10	1219 x 2400	218.40	212.54
9/10	1250 x 2500	233.28	227.03
10/11	1000 x 2000	165.00	161.00
10/11	1219 x 2400	241.36	235.51
10/11	1250 x 2500	257.81	251.56



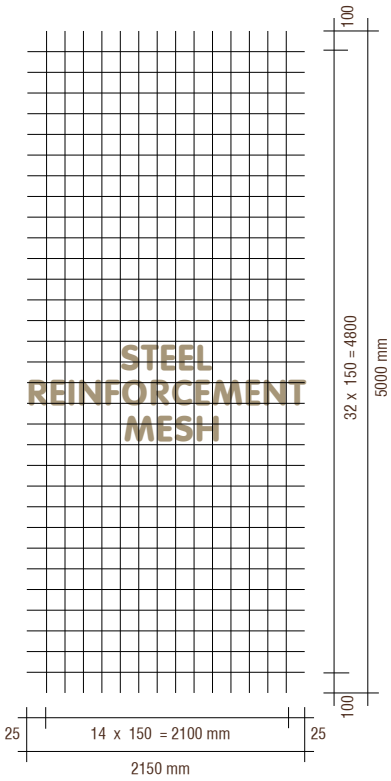
TEAR DROP PATTERN



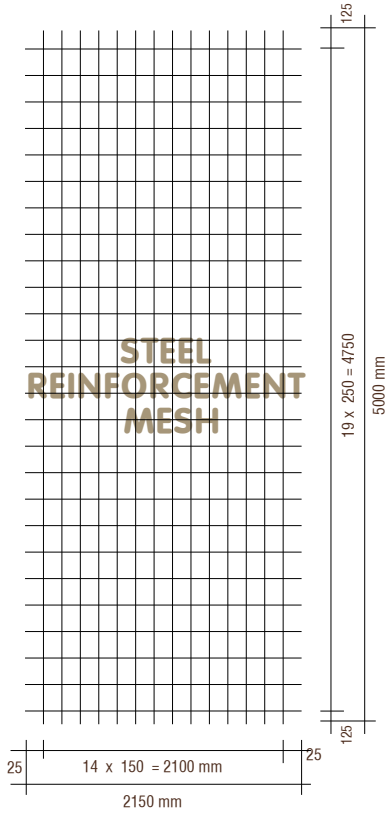
DIAMOND PATTERN

STEEL REINFORCEMENT MESH

SINGLE BAR Q MESH



SINGLE BAR R MESH



MESH LIST

Mesh Type	Bar (mm)				Weight	
	Spacing		Diameter		kg/pcs	kg/m^2
	Length	Width	Length	Width		
Q106/106	150	150	4.5	4.5	18.22	1.69
Q131/131	150	150	5.0	5.0	22.50	2.09
Q158/158	150	150	5.5	5.5	27.22	2.54
Q188/188	150	150	6.0	6.0	32.39	3.01
Q221/221	150	150	6.5	6.5	38.02	3.54
Q335/188	150	150	8.0/6.0	6.0	43.40	4.04
Q335/335	150	150	8.0	8.0	57.70	5.37
R106	150	250	4.5	4.5	14.73	1.38
R131	150	250	5.0	5.0	18.19	1.69
R158	150	250	5.5	5.0	20.62	1.92
R188	150	250	6.0	5.0	23.27	2.17
R221	150	250	6.5	5.0	26.16	2.43
R257	150	250	7.0	5.0	29.29	2.73
R335	150	250	8.0/6.0	5.0	34.30	3.19
R377	150	250	8.5/6.0	5.0	37.00	3.44
R443	150	250	6.5d	5.5	41.88	3.89
R513	150	250	7.0d	6.0	48.82	4.54

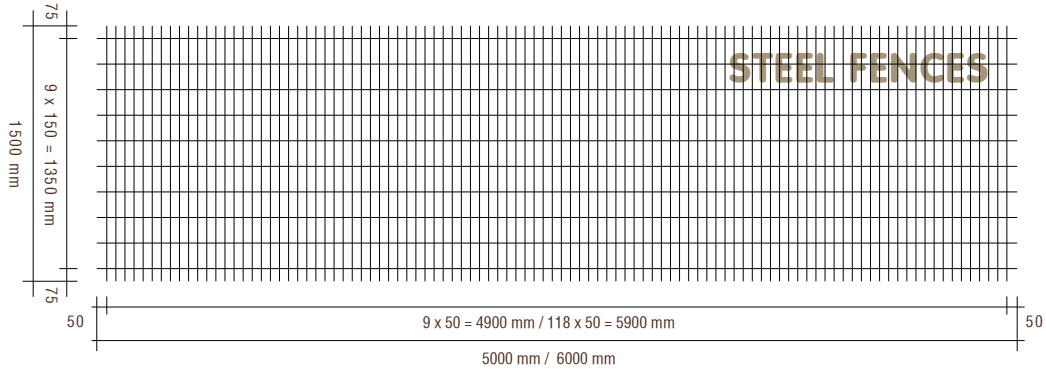
Available mesh sizes in stock: 2.15/5.00 m.

WEIGHT TABLE

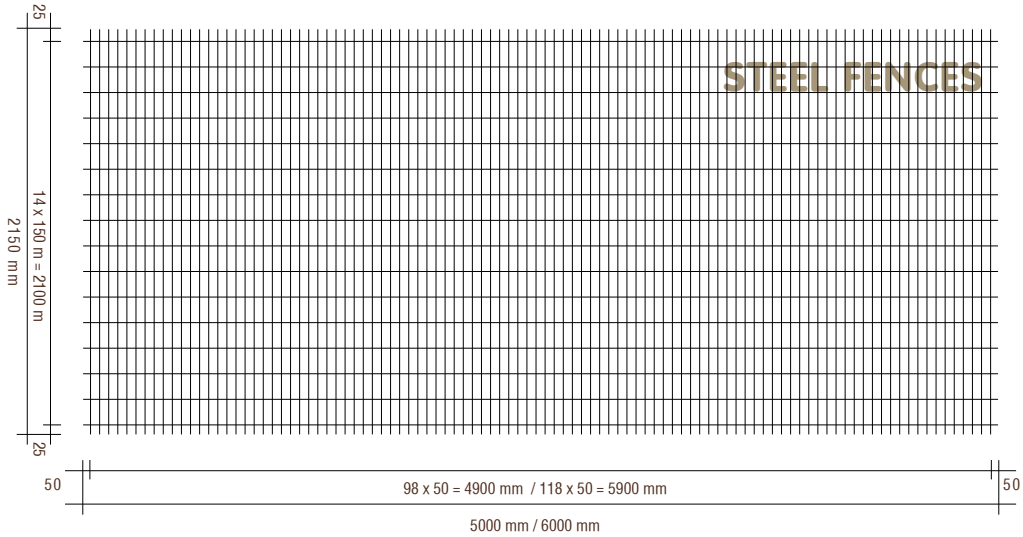
Bar Diameter	Bar Unit Weight	Unit Weight (kg/m^2) Bar Spacing (mm)						
mm	kg/m	50 ~100d	75 ~150d	100	150	200	250	300
4.0	0.099	1.97	1.32	0.99	0.66	0.49	0.39	0.33
4.5	0.125	2.50	1.66	1.25	0.83	0.63	0.50	0.42
5.0	0.154	3.09	2.06	1.54	1.03	0.77	0.62	0.51
5.5	0.187	3.73	2.49	1.87	1.24	0.93	0.75	0.62
6.0	0.222	4.44	2.96	2.22	1.48	1.11	0.89	0.74
6.5	0.260	5.21	3.47	2.61	1.73	1.30	1.04	0.87
7.0	0.302	6.04	4.03	3.02	2.02	1.51	1.21	1.00
7.5	0.347	6.94	4.62	3.47	2.32	1.73	1.39	1.15
8.0	0.395	7.89	5.26	3.95	2.63	1.97	1.58	1.32
8.5	0.445	8.91	5.94	4.45	2.97	2.23	1.78	1.48
9.0	0.499	9.99	6.66	4.99	3.33	2.50	1.99	1.66
9.5	0.556	11.13	7.42	5.57	3.71	2.78	2.23	1.85
10.0	0.617	12.33	8.22	6.16	4.11	3.09	2.46	2.06
10.5	0.680	13.60	9.07	6.80	4.53	3.40	2.72	2.27
11.0	0.746	14.92	9.95	7.46	4.98	3.73	2.98	2.49
11.5	0.815	16.30	10.87	8.16	5.43	4.07	3.26	2.72
12.0	0.888	17.76	11.84	8.88	5.92	4.44	3.55	2.96

The m^2 area weight of the mesh is equal to the total of bar weights in both directions.

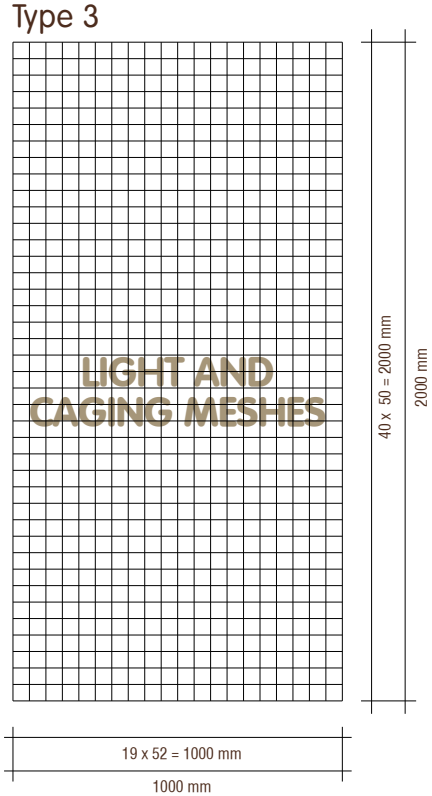
Type 1



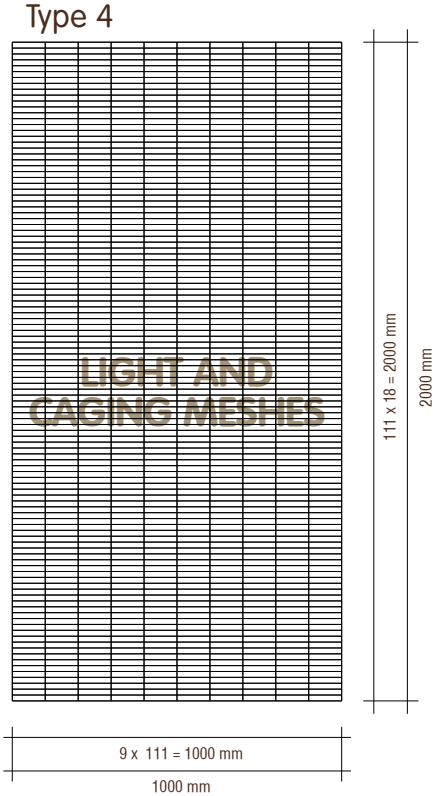
Type 2



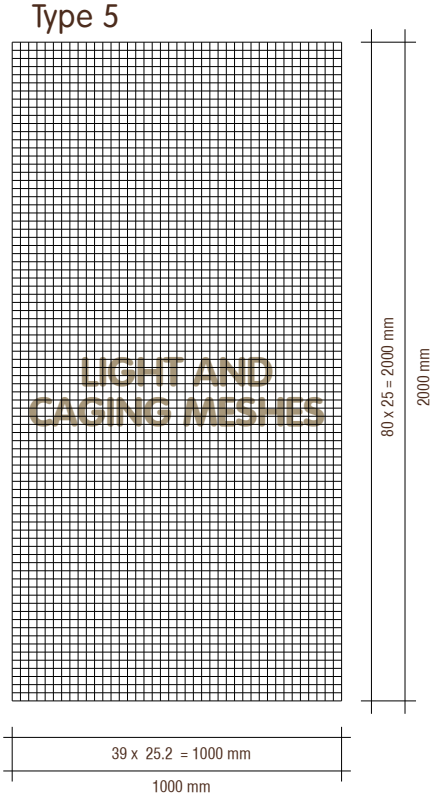
Type 3



Type 4



Type 5



	Type 1	Type 2	Type 3	Type 4	Type 5
Mesh Size	1.5 m x 5 m 1.5 m x 6 m	2.15 m x 5 m 2.15 m x 6 m	1 m x 2 m	1 m x 2 m	1 m x 2 m
Mesh Spacing	150 mm x 50 mm	150 mm x 50 mm	50 mm x 50 mm	111 mm x 18 mm	25 mm x 25 mm
Wire Diameter	5 mm x 5 mm	5 mm x 5 mm	5 mm x 4 mm 4 mm x 4 mm 3 mm x 3 mm	3 mm x 2.5 mm	3 mm x 3 mm

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