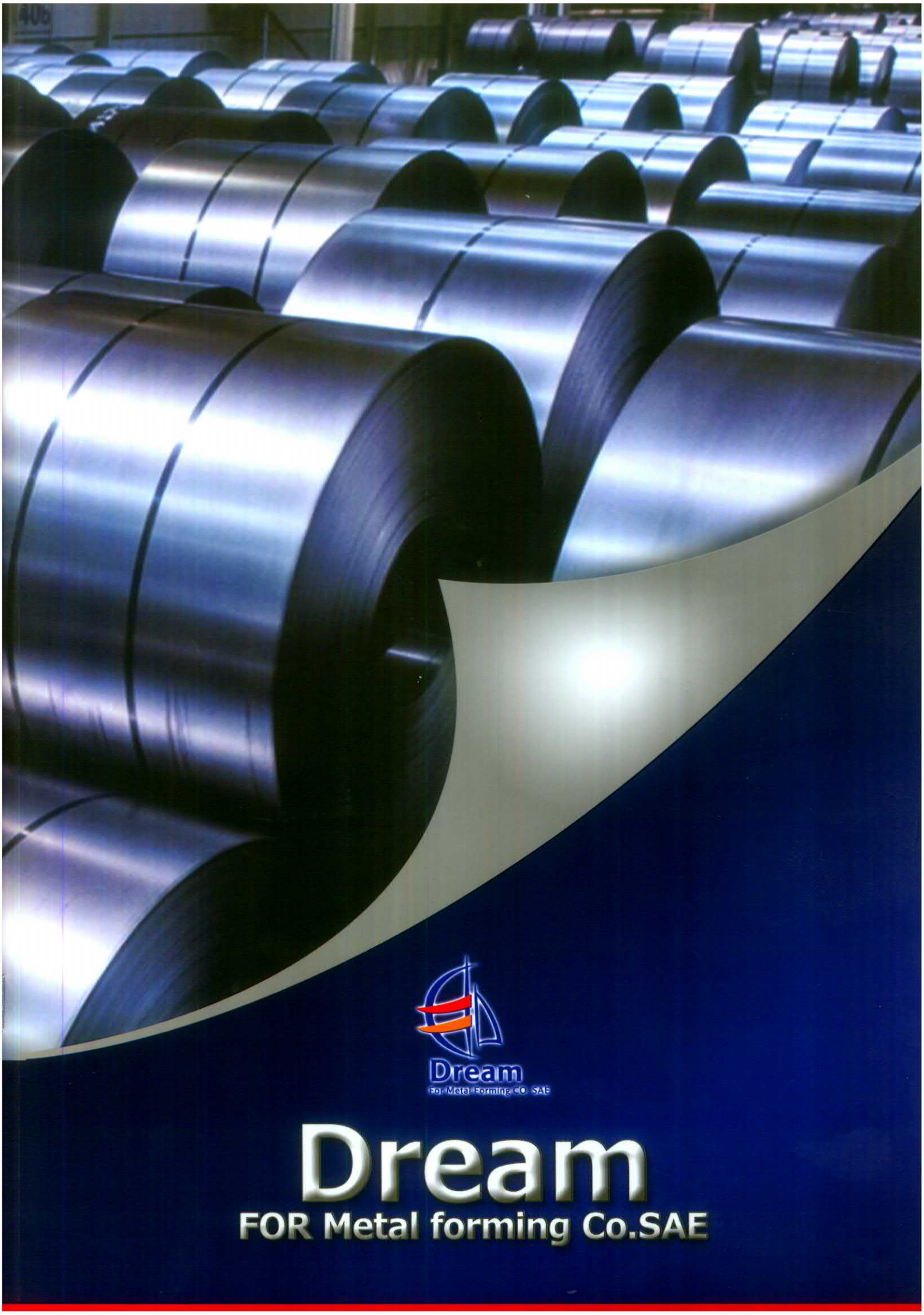
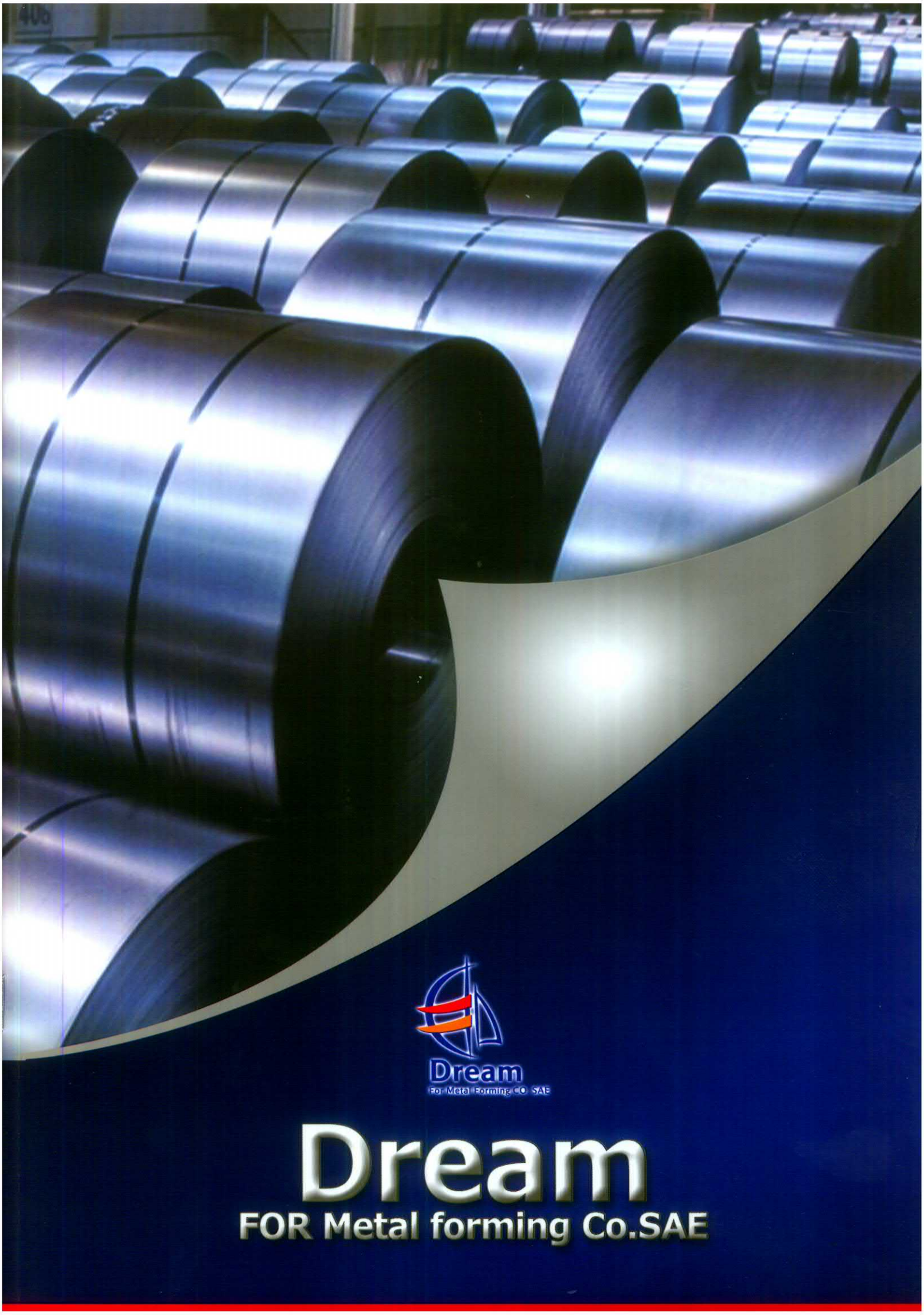


Dream

FOR Metal forming Co.SAE


Dream
For Metal Forming CO. SAE
Dream
FOR Metal forming Co.SAE

Dream
For Metal Forming CO. SAE

DREAM FOR METAL FORMING:

is specialized company in **ROLL FORMING** process to produce the precise and high quality steel profiles for a different industry fields, We work in partnership with our customers, with open and honest interaction to be leading and the most active supplier for all kind of steel profiles can be produced through advanced and latest technology roll forming machines.

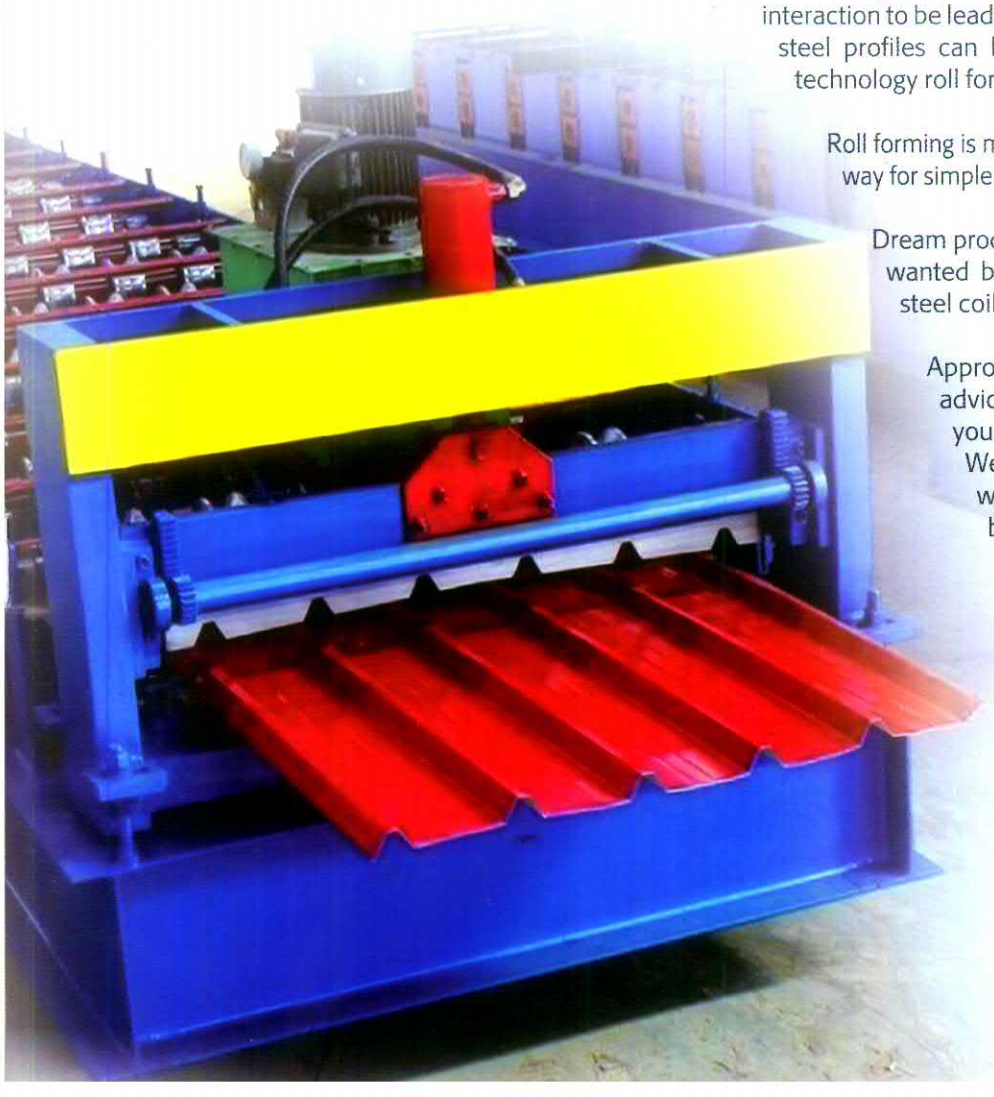
Roll forming is more than just roll forming is the ideal profecinal way for simple as well as highly complex profiles.

Dream produce exactly the quantity with all specification wanted because we roll- form direct from specified steel coil.

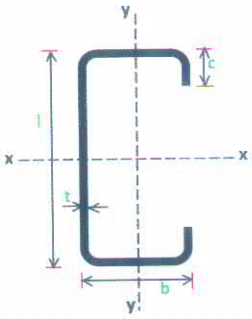
Approaching us you are sure to receive qualified advice that ensures optimum technical solution in your application – every time.

We are supplier-and only supplier, but in many ways you'll come think of us as a partner because we know what it's all about.

We provide competitive pricing with high precision and quality. Our measure of success is to provide our customers with the highest quality at the lowest possible price at right time.



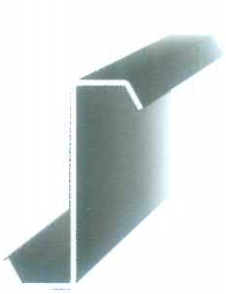
PURLIN
(Cold Formed Section)
C - Section

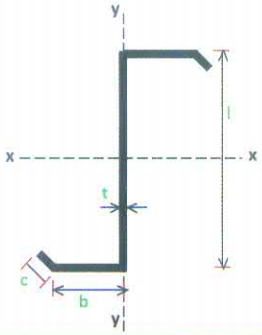


Light steel section in C, Z, U profile; which are used as purlins and other structural elements of metal buildings. They are made on high quality steel, which corresponds with high strength. Their length is per order, according to design, as well as the exact point of the pre-punched holes, (even in oval shape).

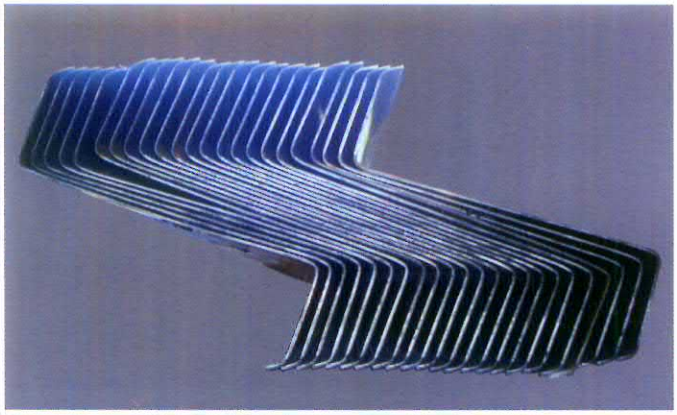
Section						Section Properties						
Section Type	H (mm)	b (mm)	c (mm)	t (mm)	G (kg/m)	A (cm^2)	Ix (cm^4)	Zx (cm^3)	Iy (cm^4)	Zy (cm^3)	rx (cm)	ry (cm)
C-400	400	90	25	4.0	18.80	16.50	5012.81	250.64	175.03	61.53	17.43	3.26
				3.0	14.30	11.50	3715.70	185.78	128.61	41.71	17.97	3.34
				2.5	12.00	9.03	3038.43	151.92	103.66	31.56	18.34	3.39
				2.0	9.60	6.75	2362.02	118.10	78.84	22.30	18.71	3.42
C-360	360	90	25	4.0	17.50	16.40	3942.46	219.03	174.32	60.93	15.51	3.26
				3.5	15.40	13.64	3427.47	190.42	149.58	49.57	15.85	3.31
				3.0	13.30	11.05	2902.11	161.23	124.59	38.90	16.20	3.36
				2.5	11.20	8.66	2372.36	131.80	99.74	29.15	16.55	3.39
				2.0	9.00	6.46	1844.30	102.46	75.34	20.44	16.89	3.41
C-300	300	90	25	4.0	15.60	16.21	2592.62	172.84	172.97	59.82	12.65	3.27
				3.5	13.80	13.51	2268.74	151.25	148.55	48.80	12.96	3.32
				3.0	11.90	10.98	1935.14	129.01	123.93	38.64	13.27	3.36
				2.5	10.00	8.62	1593.72	106.25	99.31	28.90	13.60	3.39
				2.0	8.10	6.45	1248.42	83.23	75.11	20.32	13.92	3.41
C-250	250	80	25	4.0	13.40	15.17	1577.51	126.20	128.23	50.44	10.20	2.91
				3.5	11.90	12.67	1389.01	111.12	110.64	41.42	10.47	2.96
				3.0	10.30	10.29	1192.76	95.42	92.66	32.77	10.77	3.00
				2.5	8.60	8.07	989.17	79.13	74.50	24.68	11.07	3.04
				2.0	7.00	6.03	780.44	62.44	56.58	17.41	11.38	3.06
C-200	200	80	25	4.0	11.90	14.71	933.35	93.34	125.62	48.03	7.97	2.92
				3.5	10.50	12.35	826.35	82.63	108.63	39.73	8.18	2.97
				3.0	9.10	10.09	714.80	71.48	91.19	31.66	8.42	3.01
				2.5	7.70	7.95	598.28	59.83	73.54	24.03	8.67	3.04
				2.0	6.20	5.95	476.57	47.66	55.82	16.99	8.95	3.06
				1.5	4.70	4.16	328.89	32.89	42.55	13.14	8.89	3.20
C-150	150	80	25	4.0	10.30	13.35	475.99	63.46	116.86	40.84	5.97	2.96
				3.5	9.10	11.76	422.82	36.38	104.58	36.54	6.00	2.98
				3.0	7.90	9.78	367.85	49.05	88.78	29.92	6.13	3.01
				2.5	6.70	7.77	310.63	41.42	71.95	23.00	6.32	3.04
				2.0	5.40	5.87	250.58	33.41	54.95	16.49	6.53	3.06
				1.5	4.10	3.78	169.21	22.56	38.33	10.77	6.69	3.19
C-100	100	60	25	4.0	7.50	9.75	148.41	29.68	49.76	20.51	3.90	2.26
				3.5	6.60	8.61	132.67	26.53	44.82	18.47	3.92	2.28
				3.0	5.80	7.46	116.16	23.23	39.54	16.29	3.95	2.30
				2.5	4.70	6.27	98.86	19.77	33.90	13.97	3.97	2.32
				2.0	3.80	4.91	80.76	16.15	27.04	10.81	4.05	2.35
				1.5	3.00	3.45	61.64	12.33	19.14	7.11	4.23	2.36

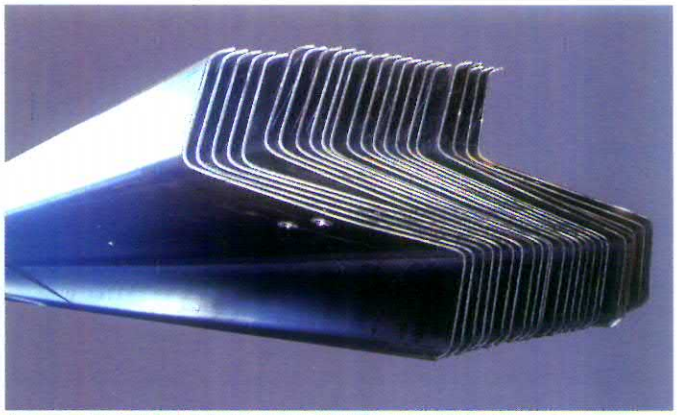
PURLIN
(Cold Formed Section)
Z - Section





Light steel section in C, Z, U profile; which are used as purlins and other structural elements of metal buildings. They are made on high quality steel, which corresponds with high strength. Their length is per order, according to design, as well as the exact point of the pre-punched holes, (even in oval shape).





Section						Section Properties						
Section Type	H (mm)	b (mm)	c (mm)	t (mm)	G (kg/m)	A (cm^2)	Ix (cm^4)	Zx (cm^3)	Iy (cm^4)	Zy (cm^3)	rx (cm)	ry (cm)
Z-300	300	90	25	4.0	15.88	16.61	2692.51	179.50	355.91	33.58	12.73	4.63
				3.5	13.98	13.81	2346.34	156.42	312.57	29.51	13.03	4.76
				3.0	12.05	11.21	1997.36	133.16	271.24	25.55	13.35	4.92
				2.5	10.10	8.80	1642.92	109.53	229.37	21.54	13.66	5.11
				2.0	8.13	6.39	1244.16	82.94	181.56	17.02	13.95	5.33
Z-250	250	90	25	4.0	14.31	16.34	1765.31	141.22	352.84	33.39	10.39	4.65
				3.5	12.61	13.66	1550.45	124.04	313.40	29.56	10.65	4.79
				3.0	10.88	11.12	1328.64	106.29	271.24	25.55	10.93	4.94
				2.5	9.12	8.74	1100.31	88.03	228.83	21.50	11.22	5.12
				2.0	7.34	6.41	845.52	67.64	182.54	17.11	11.49	5.34
Z-200	200	70	25	4.0	11.49	14.28	900.32	90.03	191.35	22.33	7.94	3.66
				3.5	10.13	11.95	795.09	79.51	169.97	19.78	8.16	3.77
				3.0	8.76	9.72	686.01	68.60	147.89	17.16	8.40	3.90
				2.5	7.35	7.63	572.59	57.26	125.11	14.48	8.66	4.05
				2.0	5.93	5.68	454.64	45.46	101.45	11.71	8.95	4.23
				1.5	4.48	4.13	330.04	33.00	75.45	8.68	8.94	4.27
Z-150	150	60	25	4.0	9.29	12.12	416.16	55.49	133.24	17.61	5.86	3.32
				3.5	8.21	10.66	368.97	49.20	118.59	15.62	5.88	3.33
				3.0	7.11	8.81	320.39	42.72	103.38	13.57	6.03	3.43
				2.5	5.98	6.95	269.99	36.00	87.62	11.46	6.23	3.55
				2.0	4.83	5.19	217.17	28.96	71.17	9.29	6.47	3.70
				1.5	3.66	3.59	162.01	21.60	54.37	7.07	6.71	3.89
Z-100	100	50	20	4.0	6.78	8.92	137.50	27.50	72.48	11.66	3.93	2.85
				3.5	6.01	7.86	122.57	24.51	64.75	10.38	3.95	2.87
				3.0	5.22	6.79	107.02	21.40	56.66	9.05	3.97	2.89
				2.5	4.41	5.70	90.84	18.17	48.20	7.66	3.99	2.91
				2.0	3.57	4.44	74.01	14.80	39.36	6.23	4.08	2.98
				1.5	2.72	3.08	56.32	11.26	30.13	4.75	4.27	3.13

PURLIN
(Cold Formed Section)

U - Section

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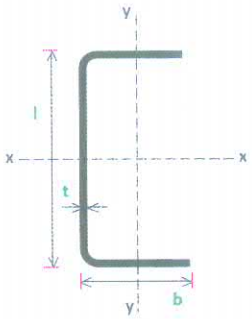


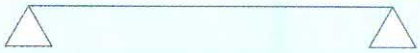
Section					Section Properties						
Section Type	H (mm)	b (mm)	t (mm)	G (kg/m)	A (cm^2)	Ix (cm^4)	Zx (cm^3)	Iy (cm^4)	Zy (cm^3)	rx (cm)	ry (cm)
U-400	400	100	4.0	18.34	15.83	4829.52	241.48	157.80	60.04	17.47	3.16
			3.0	13.85	10.92	3551.32	177.57	113.56	40.33	18.03	3.22
			2.5	11.58	8.52	2890.16	144.51	90.74	30.38	18.42	3.26
			2.0	9.29	6.31	2234.33	111.72	68.49	21.37	18.81	3.29
U-360	360	100	4.0	17.08	15.73	3801.36	211.19	157.20	59.46	15.55	3.16
			3.5	15.00	13.01	3291.44	182.86	133.56	48.17	15.91	3.20
			3.0	12.91	10.47	2774.68	154.15	110.23	37.62	16.28	3.24
			2.5	10.79	8.15	2257.10	125.39	87.51	28.06	16.65	3.28
			2.0	8.67	6.03	1744.80	96.93	65.62	19.58	17.01	3.30
U-300	300	90	4.0	14.57	14.47	2329.44	155.30	116.69	50.68	12.57	2.81
			3.5	12.18	12.18	2029.37	135.29	99.40	40.19	12.91	2.86
			3.0	9.80	9.80	1722.14	114.81	82.31	32.31	13.25	2.90
			2.5	7.61	7.61	1409.66	93.98	65.52	24.14	13.61	2.93
			2.0	5.61	5.61	1059.89	73.06	49.25	16.85	13.97	2.96
U-250	250	90	4.0	14.49	14.49	1524.60	121.97	115.59	49.44	10.26	2.82
			3.5	12.03	12.03	1336.91	106.95	98.64	40.41	10.54	2.86
			3.0	9.71	9.71	1143.08	91.45	81.79	31.83	10.85	2.90
			2.5	7.56	7.56	943.56	75.48	65.17	23.85	11.17	2.94
			2.0	5.59	5.59	740.55	59.24	49.11	16.74	11.51	2.96
U-200	200	80	4.0	13.23	13.23	830.24	83.02	81.86	40.13	7.92	2.49
			3.5	11.02	11.02	732.17	73.22	70.14	33.08	8.15	2.52
			3.0	8.91	8.91	630.68	63.07	58.40	26.24	8.41	2.56
			2.5	6.94	6.94	525.32	52.53	46.76	19.82	8.70	2.60
			2.0	5.12	5.12	416.01	41.60	35.30	13.91	9.01	2.63
			1.5	3.85	3.85	314.73	31.47	26.71	10.59	9.04	2.63
U-150	150	70	4.0	11.07	11.07	382.59	51.01	53.00	28.33	5.88	2.19
			3.5	9.73	9.73	338.69	45.16	46.89	25.33	5.90	2.20
			3.0	8.00	8.00	293.65	39.15	39.52	20.68	6.06	2.22
			2.5	6.26	6.26	247.05	32.94	31.85	15.82	6.28	2.26
			2.0	4.64	4.64	198.33	26.44	24.24	11.25	6.54	2.29
			1.5	3.17	3.17	147.43	19.66	16.86	7.18	6.82	2.31
U-100	100	50	4.0	7.47	7.47	113.18	22.64	18.15	12.66	3.89	1.56
			3.5	6.58	6.58	100.76	20.15	16.14	11.41	3.91	1.57
			3.0	5.68	5.68	87.88	17.58	14.05	10.08	3.93	1.57
			2.5	4.76	4.76	74.50	14.90	11.89	8.66	3.96	1.58
			2.0	3.68	3.68	60.63	12.13	9.41	6.69	4.06	1.60
			1.5	2.51	2.51	46.05	9.21	6.66	4.36	4.29	1.63

CORRUGATED SHEET

Trapezoidal single steel sheet for roof and side coverage of buildings. The strong profile offers mechanical strength and special shape of the edges ensures the water-tightness of the connection joint.

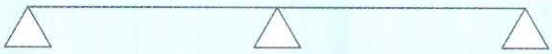
Normal Thickness in mm	0.40	0.50	0.60	0.70	0.80	1.00
Weight	3.94	4.90	5.90	6.90	7.90	9.85
Moment of Inertia	8.71	11.79	14.15	16.51	18.87	23.58
Section Modulus	2.94	3.89	4.84	5.65	6.46	8.07

Deflections: (L/300)
Single Span:



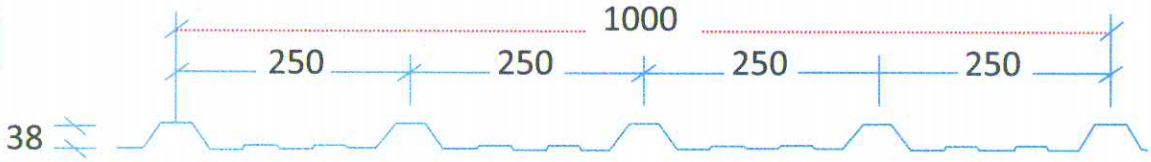
Thick	Spaces between purlins in cm												
mm	100	120	150	170	200	220	250	270	300	320	350	370	400
0.4	296	204	122	84	52	39	--	--	--	--	--	--	--
0.5	390	270	168	112	69	52	36	28	--	--	--	--	--
0.6	485	337	199	137	84	62	43	34	24	20	--	--	--
0.7	561	388	232	159	98	73	51	41	30	23	18	--	--
0.8	648	449	265	182	112	84	57	46	33	28	20	17	--
1.0	806	561	332	227	140	105	71	57	42	34	27	21	17

Multiple Span:

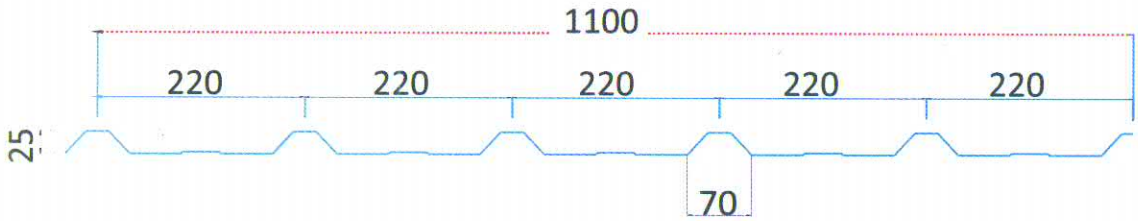


Thick	Spaces between purlins in cm												
mm	100	120	150	170	200	220	250	270	300	320	350	370	400
0.4	367	255	163	128	87	64	44	35	26	20	--	--	--
0.5	526	338	214	168	117	88	59	47	34	28	21	--	--
0.6	607	420	269	204	140	105	71	56	42	34	26	21	--
0.7	707	491	314	245	163	122	83	66	48	41	31	26	20
0.8	808	561	359	281	186	140	50	75	55	45	35	29	22
1.0	1010	702	449	349	233	174	119	94	68	56	43	37	29

Profile 1000/38



Profile 1100/25



New protection for steel sheets, Thinner, more resistant environmentally friendlier with MAZ magnesium aluminum Zinc coating MAZ coated steel sheet improved corrosion resistance compared to conventional Zinc, Coated steel for many application

STEEL DECKING
(Decking Plate)
H 55 mm

Trapezoidal steel sheeting for composite slabs and permanent, metalic form work.Dimensioning tables that lay down the characteristic values of the maximum work load which acomposite slab can take up.

t (mm)	A (cm²)	W (kg)	Is. x (cm⁴)	Zu (cm³)	ZL (cm³)
0.70	9.946	7.807	46.270	14.780	19.530
1.00	14.208	11.153	66.100	21.110	27.900
1.20	17.050	13.384	79.330	25.340	33.480

Thickness 0.7 mm "Static Loads"

Span in M	Total thickness of the roof in cm			Total thickness of the roof in cm		
	10	12	14	10	12	14
	KG / M²					
0.50	19.188	25.328	31.804	23.985	31.660	39.755
0.75	8.528	11.257	14.135	10.660	14.071	17.669
1.00	4.797	6.332	7.951	5.996	7.91115	9.939
1.25	3.070	4.052	5.089	3.838	5.066	6.361
1.50	2.132	2.814	3.534	2.665	3.518	4.417
1.75	1.566	2.068	2.596	1.958	2.584	3.245
2.00	1.199	1.583	1.988	1.499	1.979	2.485
2.25	0.948	1.251	1.571	1.184	1.563	1.963
2.50	0.768	1.013	1.272	0.959	1.266	1.590
2.75	0.634	0.837	1.051	0.793	1.047	1.314
3.00	0.533	0.704	0.883	0.666	0.879	1.104

Thickness 1.0 mm "Static Lo¬ads"

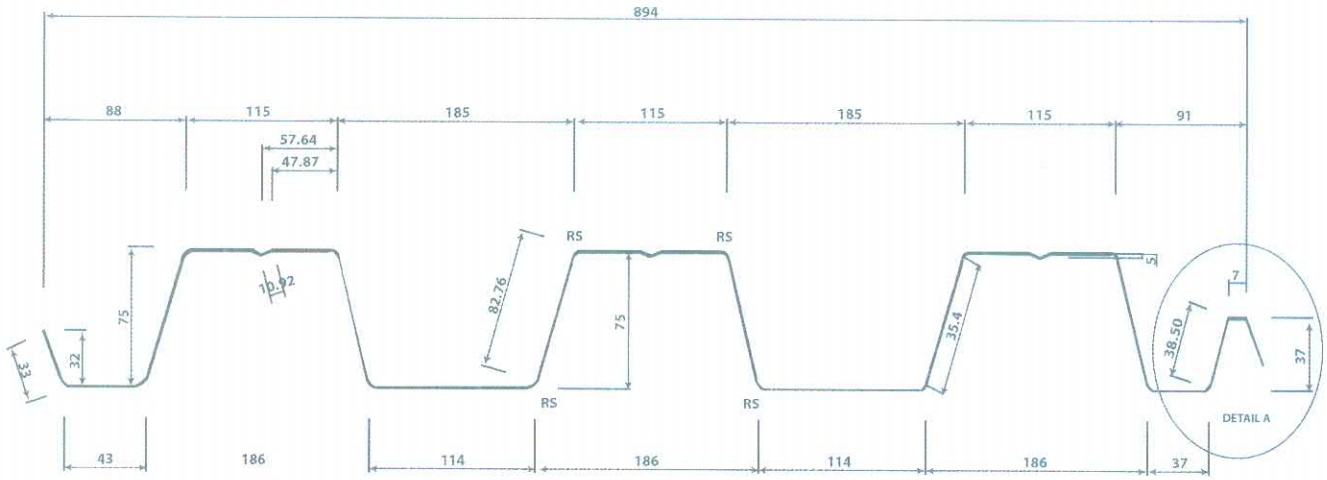
Span in M	Total thickness of the roof in cm			Total thickness of the roof in cm		
	10	12	14	10	12	14
	KG / M²					
0.50	24.477	34.127	44.016	30.597	42.659	55.020
0.75	10.878	15.168	19.563	13.598	18.960	24.453
1.00	6.119	8.532	11.004	7.649	10.665	13.755
1.25	3.916	5.460	7.043	4.895	6.825	8.803
1.50	2.720	3.792	4.891	3.400	4.740	6.113
1.75	1.998	2.786	3.593	2.498	3.482	4.491
2.00	1.530	2.133	2.751	1.912	2.666	3.439
2.25	1.209	1.685	2.174	1.511	2.107	2.717
2.50	0.979	1.365	1.761	1.224	1.706	2.201
2.75	0.809	1.128	1.455	1.011	1.410	1.819
3.00	0.680	0.948	1.223	0.850	1.185	1.528

Thickness 1.2 mm "Static Loads"

Span in M	Total thickness of the roof in cm			Total thickness of the roof in cm		
	10	12	14	10	12	14
	KG / M²					
0.50	26.050	36.288	48.275	32.563	45.360	60.344
0.75	11.578	16.128	21.456	14.472	20.160	26.820
1.00	6.513	9.072	12.069	8.141	11.340	15.086
1.25	4.168	5.806	7.724	5.210	7.258	9.655
1.50	2.894	4.032	5.364	3.618	5.040	6.705
1.75	2.127	2.962	3.941	2.658	3.703	4.926
2.00	1.628	2.268	3.017	2.035	2.835	3.772
2.25	1.286	1.792	2.384	1.608	2.240	2.980
2.50	1.042	1.452	1.931	1.303	1.814	2.414
2.75	0.861	1.200	1.596	1.076	1.499	1.995
3.00	0.724	1.008	1.341	0.905	1.260	1.676

Trapezoidal steel sheeting for composite slabs and permanent, metalic form work.Dimensioning tables that lay down the characteristic values of the maximum work load which acomposite slab can take up.

STEEL DECKING
(Decking Plate)
H 75 mm

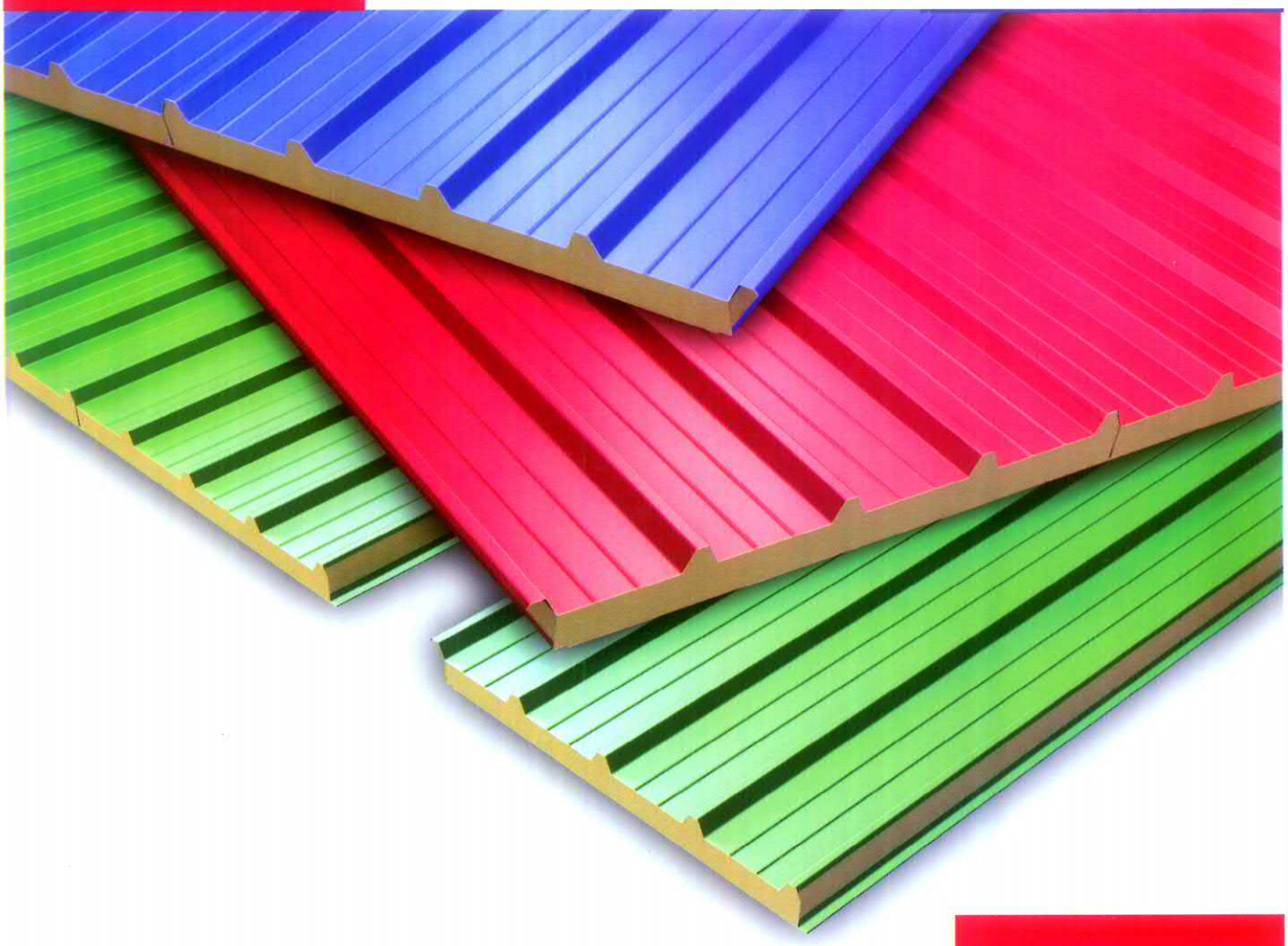


Design Load table

Sheet thickness		Span max Load	Capacity	1.5	2	2.5	450	3.5	4	4.5
				Kg/m2						
0.7mm	Section capacity Single span Two or more spans	Mc	4694857	2.011	1.131	724	503	369	283	223
		Pw	1.532	246	185	148	123	105	92	82
		Pv	10.922	1.755	1.316	1.053	877	752	658	585
		L/200		1.688	712	365	211	133	89	63
		L/200(Distrip)		4.055	1.711	876	507	319	214	150
		L/200(Patern)		2.805	1.184	606	351	221	148	104
1mm	Section capacity Single span Two or more spans	Mc	8839863	3.787	2.130	1.363	947	696	533	421
		Pw	2.885	463	348	278	232	199	174	154
		Pv	15.540	22.496	1.872	1.498	1.248	1.070	936	832
		L/200		2.917	1.230	630	365	230	154	108
		L/200(Distrip)		7.007	2.956	1.514	876	552	370	260
		L/200(Patern)		4.848	2.045	1.047	606	382	256	180
1.20mm	Section capacity Single span Two or more spans	Mc	11317573	4.848	2.727	1.745	1.212	890	682	539
		Pw	3.978	639	479	383	320	274	240	213
		Pv	18.597	2.987	2.241	1.792	1.494	1.280	1.120	996
		L/200		3.647	1.538	788	456	287	192	135
		L/200(Distrip)		8.762	3.696	1.893	1.095	690	462	325
		L/200(Patern)		6.062	2.557	1.309	758	477	320	225
1.25mm	Section capacity Single span Two or more spans	Mc	1181841	506	285	182	127	93	71	56
		Pw	4.273	686	515	412	343	294	257	229
		Pv	19.359	3.110	2.332	1.866	1.555	1.333	1.166	1.037
		L/200		3.819	1.611	825	477	301	201	141
		L/200(Distrip)		9.176	3.871	1.982	1.147	722	484	340
		L/200(Patern)		6.349	2.679	1.371	794	500	335	235
1.5mm	Section capacity Single span Two or more spans	Mc	5.883	6.238	3.509	2.246	1.560	1.146	877	693
		Pw	23.152	945	709	567	473	405	354	315
		Pv		3.719	2.789	2.232	1.860	1.594	1.395	1.240
		L/200		4.642	1.958	1003	580	365	245	172
		L/200(Distrip)		11.152	4.705	2.409	1.394	878	588	413
		L/200(Patern)		7.716	3.255	1.667	965	607	407	286

SANDWICH PANELS

Sandwich panel is a structure made of three layers: low density core inserter between two relatively thin skin layers. This sandwich setup allows to achieve excellent mechanical performance at minimal weight. The very high rigidity of a sandwich panel is achieved thanks to interaction of its components under flexural load applied to the panel,core takes the shear loads and creates a distance between the skins which take the in-plane stresses, one skin in tension,the other in compression.



Application: Sandwich panels are used in facades, partition walls and ceilings. The most typical applications include industrial, office and commercial buildings, sports halls, warehouses and power plants. The panels are also suitable for food industry construction and demanding clean room applications. Sandwich panels are cost-efficient prefabricated elements that consists of an inner insulation core between two colour-coated steel sheet layers. The insulating core can be polyurethane(PUR) or polyisocyanurate (PIR).

Insulation:

Standard polyurethane foam (PUR) , option poly-isocyanurate foam (PIR)

Density 40 kg/m2 ± 2 intial thermal conductivity $\lambda = 0.023$ w/mk

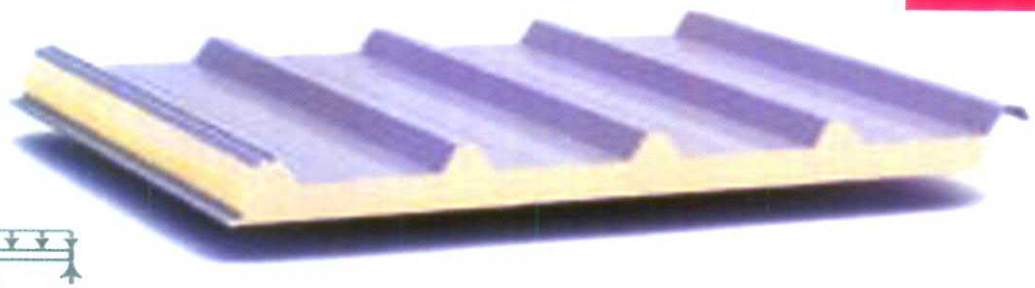
Compression resistance daN/mm^2 1.5 $\pm$ 0.2 (150 kla)

1- Insulation thichness 30,40,50,60,80,100 mm

2- Panel width (roof & wall) 1000

3- Panel lengh up to 12000 mm

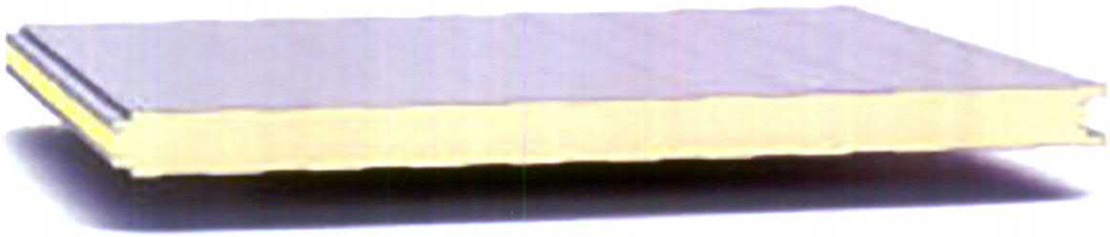
ROOF &WALL Panel



Maximum allowable uniformly distributed load

S(CM) T(MM)	150	200	250	300	350	400	450	500	550	600
30	324	244	177	114	88					
40	377	273	225	154	117	83				
50		315	257	205	149	109				
60		366	283	234	175	135	105	76		
80			364	294	258	192	149	119	93	
100				355	302	252	197	157	127	106

S(CM) T(MM)	150	200	250	300	350	400	450	500	550	600
30	327	244	194	154	109					
40	377	273	225	186	149	100				
50		315	257	203	172	138	96			
60		366	283	234	205	172	130	91		
80			364	295	250	221	189	151	112	
100				355	302	267	235	200	163	127

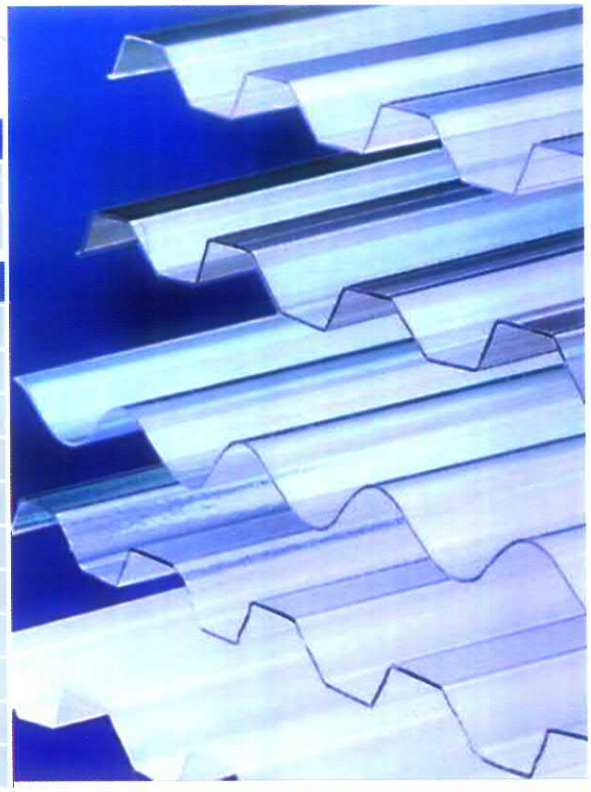


Maximum allowable uniformly distributed load

S(CM) T(MM)	150	200	250	300	350	400	450	500	550	600
30	182	133	104							
40	255	182	143	107	66					
50	312	238	182	157	105	69				
80			306	254	217	174	126	82	66	
100				319	265	237	192	135	106	72

S(CM) T(MM)	150	200	250	300	350	400	450	500	550	600
30	182	104	62							
40	255	189	143	126	78					
50	312	238	182	157	125	73				
80			306	254	217	189	142	107	78	
100				319	265	237	202	164	127	95

POLYCARBONATE
(Corrugated Profile)



Technical Specification for Polycarbonate Corrugated Profile

Physical Properties	Method	Condition	Metric
Specific Gravity	GB/T 1033	All thickness	1.2g / cm^3
Water Absorption (24 Hr)	GB/T 1033	24H @ 23 °C	0.30 %

Mechanical Properties	Method	Condition	Metric
Tensile strength	GB/T 1040		60.3 MPa
Tensile Elongation, Break	GB/T 1040		108%
Elongation at Break	GB/T 1040		< 90%
Elongation at Yield	GB/T 1040		6%
Coefficient of linear expansion	GB/T 1034		0.000063 °C -1
Notched impact strength of the beam	GB/T 1843		6.2 KT/m2
Shore hardness	GB/T 9342		85HD
Flexural strength	GB/T 9341		71.8 Mpa
Modulus of elasticity in static bending	GB/T 9341		2400 Mpa
UV protection layer			50 µ m
Fire Rating	GB8624-1997		B1

Thermal Properties	Method	Condition	Metric
Vicat Softening Point	GB/T 1634		152 °C
Load deformation temperature	GB/T 1634		140 °C
Thermal conductivity	GB/T 10295		0.177W/m.k
Service temperature (Short term)			-50 to +120 °C
Service temperature (Long term)			-50 to +100 °C

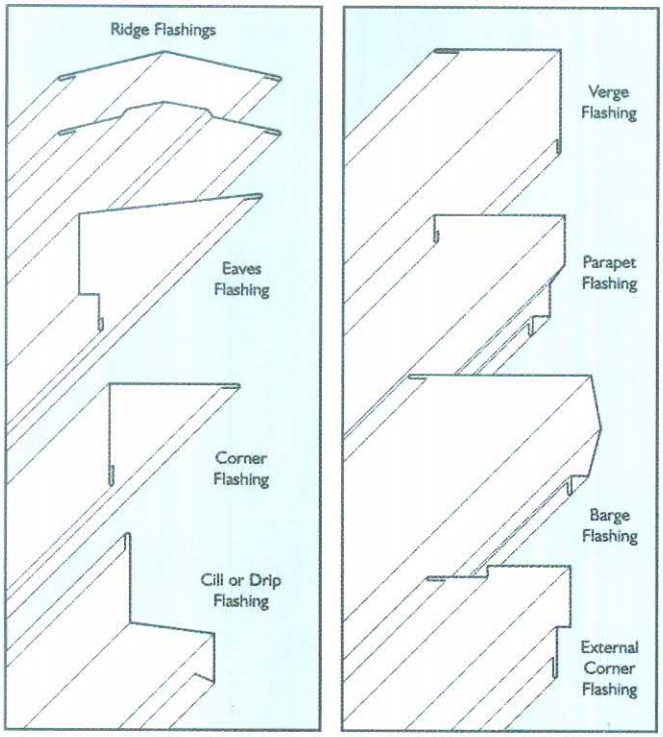
Profile for Polycarbonate sheet

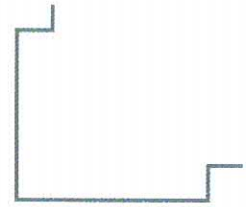
COVER FOR BELT CONVEYORS

Cover produced from galvanize material thichness 0.5 / 0.7 / 0.8 mm with defferent radius accordng to the drawings

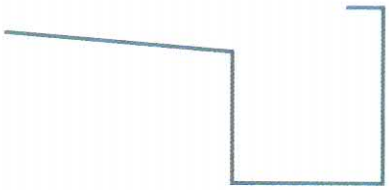
TRIMS
(Flashing)

Flashings for joints, corners, gutters, combs, ridges etc, are produced in various thicknesses, colors and lengths. Full set of screws, tightness washers and special pads are also provided.

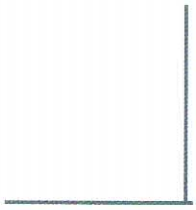




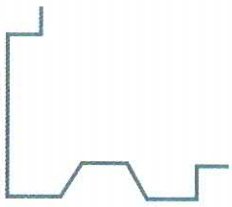
Eave flashing



Rain gutter



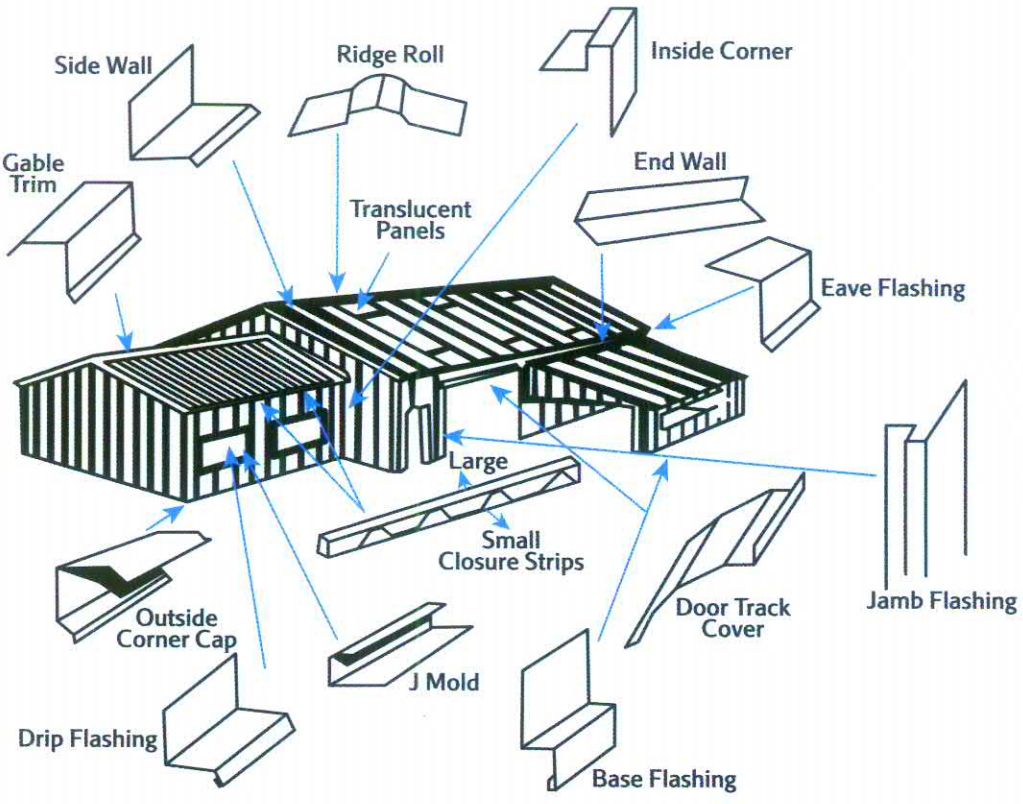
Angle flashing



Outside Corner Flashing

Ridges cap

End wall



VALUABLE INFORMATION

According to ASTM A653 / A653M
Relationship between zinc coating weight (mass) and thickness

g/m²	µm	g/m²	µm
20	2.830	170	24.055
30	4.245	180	25.470
40	5.660	190	26.886
50	7.075	200	28.301
60	8.490	210	29.716
70	9.905	220	31.131
80	11.320	230	32.546
90	12.735	240	33.961
100	14.150	250	35.376
110	15.565	260	36.791
120	16.980	270	38.206
130	18.395	280	39.621
140	19.810	290	41.036
150	21.225	300	42.451
160	22.640		

القيم المذكورة فى الجدول تكون للوجهين معا

العلاقة بين وزن الجلفنة وسمكها

The values are based on conversions using the following formulas:

$g/m^2 = \mu m \times 7.13$

N.B Zinc density = $7.13 g/cm^3$

UNIT WEIGHT FOR STEEL

وزن المتر الطولى من الخامات الحديدية

Round

1 m wiegt $\frac{d \times d \times 0.62}{100}$ kg

Example 15 mm∅:

1 m wiegt $\frac{15 \times 15 \times 0.62}{100} = 1.39$ kg

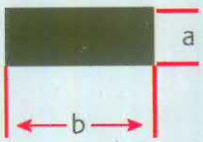
Square

1 m wiegt $\frac{a \times a \times 0.79}{100}$ kg

Example 15 mm □

1 m wiegt $\frac{15 \times 15 \times 0.79}{100} = 1.77$ kg

Flat



1 m wiegt $\frac{a \times b \times 0.79}{100}$ kg

Example 60 x 15 mm flach:

1 m wiegt $\frac{60 \times 15 \times 0.79}{100} = 7.1$ kg

Hexagon

1 m wiegt $\frac{s \times s \times 0.68}{100}$ kg

Example 15 mm 6-kt:

1 m wiegt $\frac{15 \times 15 \times 0.68}{100} = 1.53$ kg

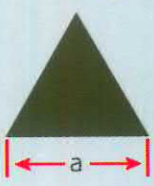
Octagon

1 m wiegt $\frac{s \times s \times 0.65}{100}$ kg

Example 15 mm 8-kt:

1 m wiegt $\frac{15 \times 15 \times 0.65}{100} = 1.46$ kg

Triangle



1 m wiegt $\frac{a \times a \times 0.34}{100}$ kg

Example 15 mm 3-kt:

1 m wiegt $\frac{15 \times 15 \times 0.34}{100} = 0.765$ kg

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