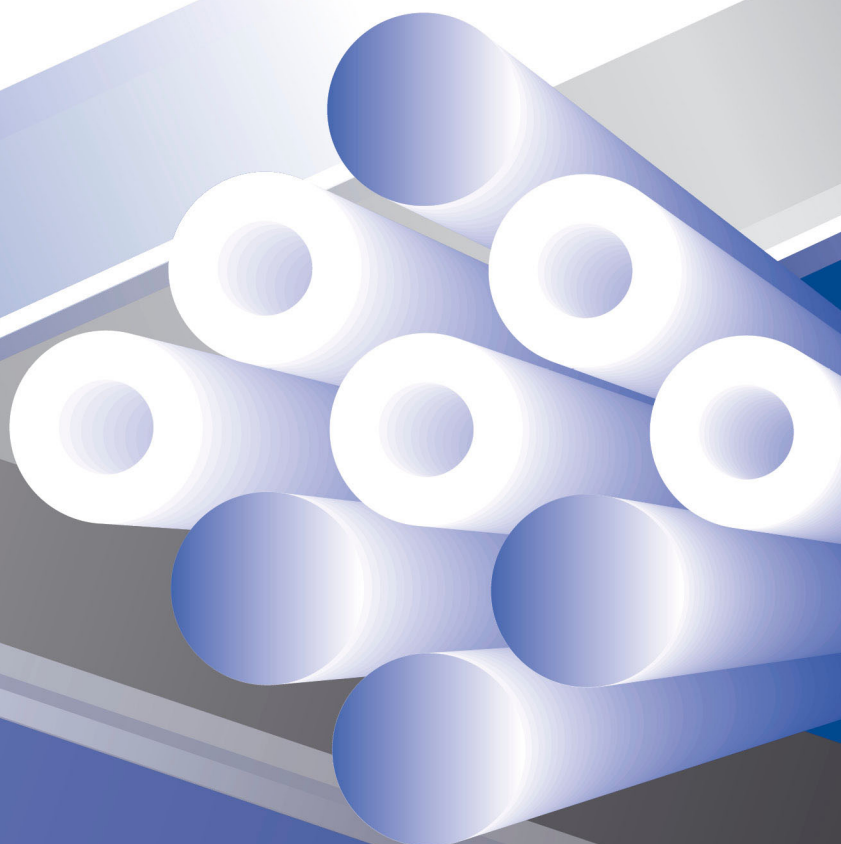




BALING STEEL

STEEL PROFILE CATALOG

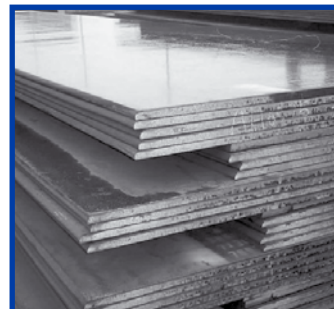
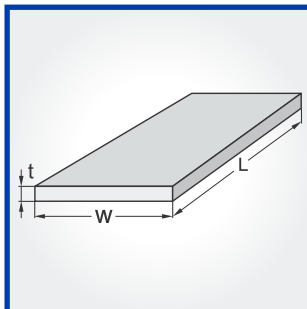


www.balingsteel.com

STEEL SHEETS AND PLATES

HOT ROLLED SHEETS AND HEAVY PLATES

Thickness t, mm	Weight, kg/m ²	Dimensions (W x L), mm				
		1000 x 2000	1250 x 2500	1500 x 6000	2000 x 6000	2000 x 8000
		Weight, kg/pc				
2	15,7	31	49			
2,5	19,6	39	61			
3	23,6	47	74	212		
4	31,4	63	98	283		
5	39,3	79	123	353	471	
6	47,1	94	147	424	565	
7	55,0			495	659	
8	62,8			565	754	1 005
9	70,7			636	848	1 130
10	78,5			707	942	1 256
11	86,4			777	1 036	1 382
12	94,2			848	1 130	1 507
14	109,9			989	1 319	1 758
15	117,8			1 060	1 413	1 884
16	125,6			1 130	1 507	2 010
18	141,3			1 272	1 696	2 261
20	157,0			1 413	1 884	2 512
22	172,7			1 554	2 072	2 763
25	196,3			1 766	2 355	3 140
28	219,8			1 978	2 638	3 517
30	235,5			2 120	2 826	3 768
32	251,2			2 261	3 014	4 019
35	274,8			2 473	3 297	4 396
38	298,3			2 685	3 580	4 773
40	314,0			2 826	3 768	5 024
45	353,3			3 179	4 239	5 652
50	392,5			3 533	4 710	6 280
55	431,8			3 886	5 181	6 908
60	471,0			4 239	5 652	7 536
65	510,3			4 592	6 123	8 164
70	549,5			4 946	6 594	8 792
75	588,8			5 299	7 065	9 420
80	628,0			5 652	7 536	10 048
85	667,3			6 005	8 007	10 676
90	706,5			6 359	8 478	11 304
95	745,8			6 712	8 949	11 932
100	785,0			7 065	9 420	12 560
105	824,3			7 418	9 891	
110	863,5			7 772	10 362	
120	942,0			8 478	11 304	
130	1 020,5			9 185	12 246	
140	1 099,0			9 891	13 188	
150	1 177,5			10 598	14 130	
160	1 256,0			11 304	15 072	
170	1 334,5			12 011	16 014	
180	1 413,0			12 717	16 956	
190	1 491,5			13 424	17 898	
200	1 570,0			14 130	18 840	



Steel grades: DD11, 08kп, Cт3пс, Cт3сп, S235, S275, S355, C45, P235GH, P265GH, Gr.60, Gr.70

Shipbuilding plates according to: BV / DNV-GL / LR / RINA

Standards:

Steel:

ГОСТ 380, ГОСТ 1050, EN 10111, EN 10025, EN 10083, EN 10028, ASTM/ASME A516/SA516

Dimensions and tolerances:

EN 10051, ГОСТ 19903, EN 10029, ASTM/ASME A20/SA20 / A20M/SA20M

STEEL SHEETS AND PLATES

COLD ROLLED SHEETS

Thickness t, mm	Weight, kg/m ²	Dimensions (W x L), mm	
		1000 x 2000	1250 x 2500
		Weight, kg/pc	
0,5	3,9	7,9	12,3
0,6	4,7	9,4	14,7
0,7	5,5	11,0	17,2
0,8	6,3	12,6	19,6
1	7,9	15,7	24,5
1,2	9,4	18,8	29,4
1,4	11,0	22,0	34,3
1,5	11,8	23,6	36,8
2	15,7	31,4	49,1

Steel grades: DC01, 08kп

Standards:

Steel:

EN 10130, ГОСТ 16523, ГОСТ 1050

Dimensions and tolerances:

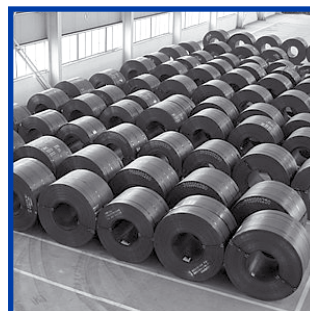
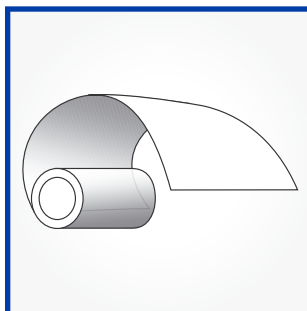
EN 10131, ГОСТ 19904

Different sizes and grades can be agreed upon and delivered according to customer's request.

FLAT PRODUCTS IN COILS

COILS: COLD ROLLED, HOT ROLLED, GALVANIZED AND HR P&O STEEL

Thickness t, mm	Weight, kg/m ²	Width (W), mm			
		1000	1250	1500	2000
0,40	3,14	•			
0,50	3,93	•			
0,55	4,32	•			
0,60	4,71	•	•		
0,63	4,95	•	•		
0,70	5,50	•	•		
0,80	6,28	•	•		
1,00	7,85	•	•		
1,20	9,42	•	•		
1,25	9,82	•	•		
1,50	11,78	•	•		
2,00	15,70	•	•		
2,50	19,63	•	•		
3,00	23,55	•	•	•	
4,00	31,40	•	•	•	
5,00	39,25	•	•	•	•
6,00	47,10	•	•	•	•
8,00	62,80	•	•	•	•
10,00	78,50	•	•	•	•
12,00	94,20	•	•	•	•
14,00	110,00	•	•	•	
15,00	117,75	•	•	•	
16,00	125,60	•	•	•	
18,00	141,30	•	•	•	
20,00	157,00	•	•	•	



Steel grades: DC01, DC03, DD11, DD12, DD13, DD14, 08kn, Cr3, S235, S275, S355

Steel grade – galvanized: DX51D+Zn (100-350 rp/m²)

Standards:

Steel: EN 10130, EN 10111, ГОСТ 16523, ГОСТ 1050, ГОСТ 380, EN 10025

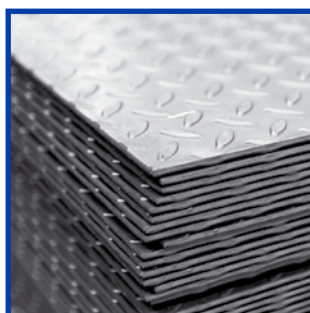
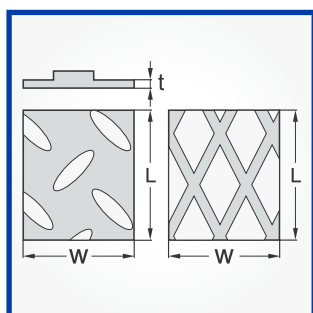
Steel-galvanized: EN 10142

Dimensions and tolerances: EN 10131, EN 10051, EN 10143, ГОСТ 19903, ГОСТ 19904

FLOOR PLATES - TEARDROP AND DIAMOND PATTERN

FLOOR PLATES - TEARDROP AND DIAMOND PATTERN

Thickness t, mm	Weight , kg/m ²		Dimensions (W x L) , mm			
			1250 x 2500	1250 x 2500	1250 x 4000	1250 x 4000
	teardrop	diamond	teardrop	diamond	teardrop	diamond
Weight , kg/pc						
3	25,6	27,6	79,8	86,1	127,8	137,8
4	33,4	35,4	104,4	110,6	167,0	177,0
5	41,3	43,3	128,9	135,2	206,3	216,3
6	49,1	51,1	153,4	159,7	245,5	255,5
8	64,8	66,8	202,5	208,8	324,0	334,0
10	90,5	92,5	282,8	289,1	452,5	462,5



Steel grades: Cr3nc, Cr3cn, S235JR

Standards:

Steel: ГОСТ 380, EN 10025

Dimensions and tolerances: ГОСТ 8568, DIN 59220

Different sizes and grades can be agreed upon and delivered according to customer's request.

CTOMAHA • WEAR RESISTANT PLATES

DILLIDUR® 400 / 500 is wear resistant steel with an average hardness of 400 HBW / 500 HBW. DILLIDUR® provides a unique combination of high resistance to wear and easy working and welding.

DILLIDUR® 400 ÷ 500: dimensions		
Thickness, mm	Width, mm	Length, mm
8 ÷ 120	2000	6000

Different sizes can be agreed upon and delivered according to customer's request

Plate grade	Thickness, mm	Chemical composition, %							
		C	Mn	Si	Cr	Mo	B	CEV, max	CET*, typical
DILLIDUR®400	8 ÷ 120	≤ 0.20	≤ 1.80	≤ 0.70	≤ 1.50	≤ 0.50	≤ 0.005	0,45	0,30
								0,67	0,37
HARDNESS		370 ÷ 430 HB							
MECHANICAL PROPERTIES		Re min [MPa]		Rm min [MPa]		A5 min [%]		KV -40 C	
RANGE		800		1200		12%		30J/-40oC	

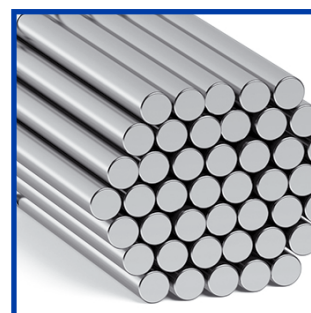
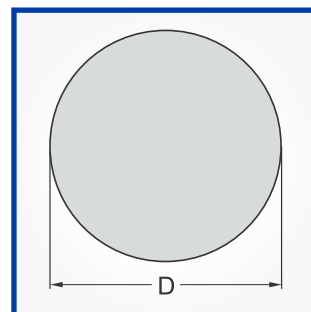
Plate grade	Thickness, mm	Chemical composition, %							
		C	Mn	Si	Cr	Mo	B	CEV, max	CET*, typical
DILLIDUR®500	8 ÷ 80	≤ 0.30	≤1.60	≤ 0.70	≤ 1.50	≤ 0.50	≤ 0.005	0,53	0,39
								0,67	0,44
HARDNESS		470 ÷ 530 HB							
MECHANICAL PROPERTIES		Re*[MPa]		Rm*[MPa]		A5*[%]		KV -20 C*,[J]	
RANGE 20 mm		1100		1600		9%		25J/-20oC	

APPLICATION

DILLIDUR® 400 / 500 is preferentially used by the customers where elevated resistance to wear is required together with good workability and especially good weldability.

Examples of application: earth moving and loading machines, dredgers, skip cars, conveying plants, trucks, cutting edges, knives and breakers, waste elimination and recycling plants.

Diameter D, mm	Weight, kg/m	Diameter D, mm	Weight, kg/m	Diameter D, mm	Weight, kg/m	Diameter D, mm	Weight, kg/m
8	0,39	30	5,55	90	49,94	190	222,6
10	0,62	32	6,31	95	55,64	200	246,6
11	0,75	35	7,55	100	61,65	210	271,76
12	0,89	38	8,9	105	67,97	220	298,25
13	1,04	40	9,86	110	74,6	230	325,98
14	1,21	42	10,88	115	81,54	235	340
15	1,39	45	12,48	120	88,78	240	354,95
16	1,58	48	14,21	125	96,33	250	385,14
17	1,78	50	15,41	130	104,19	260	416,57
18	2	55	18,65	135	112,36	270	449,23
19	2,23	60	22,2	140	120,84	285	501
20	2,46	65	26,05	145	129,63	290	518
22	2,98	70	30,21	150	138,72	295	536
24	3,55	75	34,68	160	157,8	300	555
25	3,85	80	39,46	170	178,2	310	592
28	4,83	85	44,54	180	199,8	330	671



Steel grades: S235JR, S275JR, Cт3cn, S355J2, 15, 20, 45, 20X, 40X, 41Cr4, 18XГТ, 16MnCr5, 30XГТ, 42CrMo4

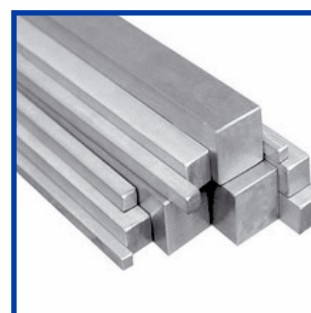
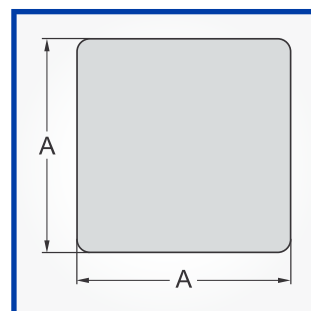
Standard length: 6000 mm

Standards: EN 10025, EN 10083, EN 10084, GOST 380, GOST 1050, GOST 4543
 Steel:
 Dimensions and tolerances: EN 10060, GOST 2590

Different sizes and grades can be agreed upon and delivered according to customer's request.

HOT ROLLED SQUARE BARS

Size A, mm	Weight, kg/m	Size A, mm	Weight, kg/m	Size A, mm	Weight, kg/m	Size A, mm	Weight, kg/m
10	0,79	28	6,15	52	21,2	110	95,0
12	1,13	30	7,07	55	23,7	120	113
14	1,54	32	8,04	60	28,3	130	133
15	1,77	35	9,62	65	33,2	140	154
16	2,01	38	11,34	70	38,5	150	177
18	2,54	40	12,6	75	44,2	160	201
19	2,83	42	13,8	80	50,2	170	227
20	3,14	45	15,9	85	56,7	180	254
22	3,80	48	18,1	90	63,6	190	283
25	4,91	50	19,6	100	78,5	200	314



Steel grades: S235JR, Cт3cn, Cт45

Standard length: 6000 mm

Standards: EN 10025, EN 10083, GOST 380, GOST 1050
 Steel:
 Dimensions and tolerances: EN 10059, DIN 1014, GOST 2591

Different sizes and grades can be agreed upon and delivered according to customer's request.

GOST 8240

Профил Profile	Dimensions mm				Weight kg/m
	h	b	s	t	
№ 6,5	65	36	4,4	7,2	5,90
№ 8	80	40	4,2	7,4	7,03
№ 10	100	46	4,3	7,6	8,58
№ 12	120	52	4,3	7,9	10,22
№ 14	140	58	4,4	8,2	12,07
№ 16	160	64	4,4	8,5	13,83
№ 18	180	70	4,5	9,2	16,16
№ 20	200	76	4,6	9,6	18,41
№ 22	220	80	4,6	10,0	20,53
№ 24	240	90	4,8	10,6	23,70
№ 27	270	95	6,0	10,5	35,20
№ 30	300	100	6,3	11,4	32,09

Steel grades: St3ps, St3sp

Standard length: 12000 mm

Standards:

Steel: GOST 380

Dimensions and tolerances: GOST 8240

Different sizes and grades can be agreed upon and delivered according to customer's request.

EUROPEAN STANDARD PROFILES

UPN PROFILES

Profile	Dimensions mm				Weight kg/m	Section area cm ²
	h	b	s	t		
UPN 50 x 25	50	25	5	6	3,86	4,92
UPN 50	50	38	5	7	5,59	7,12
UPN 60	60	30	6	6	5,07	6,46
UPN 65	65	42	5,5	7,5	7,09	9,03
UPN 80	80	45	6	8	8,64	11,0
UPN 100	100	50	6	8,5	10,6	13,5
UPN 120	120	55	7	9	13,4	17,0
UPN 140	140	60	7	10	16,0	20,4
UPN 160	160	65	7,5	10,5	18,8	24,0
UPN 180	180	70	8	11	22,0	28,0
UPN 200	200	75	8,5	11,5	25,3	32,2
UPN 220	220	80	9	12,5	29,4	37,4
UPN 240	240	85	9,5	13	33,2	42,3
UPN 260	260	90	10	14	37,9	48,3
UPN 280	280	95	10	15	41,8	53,3
UPN 300	300	100	10	16	46,2	58,8
UPN 320	320	100	14	17,5	59,5	75,8
UPN 350	350	100	14	16	60,6	77,3
UPN 380	380	102	13,5	16	63,1	80,4
UPN 400	400	110	14	18	71,8	91,5

Steel grades: S235JR, S275JR/J0,
S355JR/J2

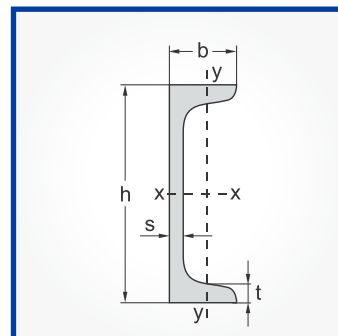
Standard length: 6000, 6100 mm
12000, 12100 mm

Standards:

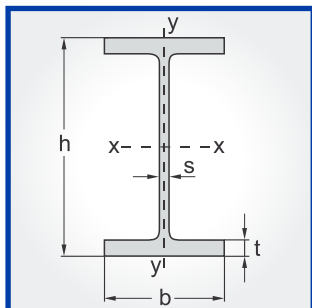
Steel: EN 10025-2

Dimensions: DIN 1026-1

Tolerances: EN 10279



Different sizes and grades can be agreed upon and delivered according to customer's request.



Profile	Dimensions mm				Weight	Section area
	h	b	s	t	kg/m	cm ²
IPE 80	80	46	3,8	5,2	6	7,64
IPE 100	100	55	4,1	5,7	8,1	10,3
IPE 120	120	64	4,4	6,3	10,4	13,2
IPE 140	140	73	4,7	6,9	12,9	16,4
IPE 160	160	82	5	7,4	15,8	20,1
IPE 180	180	91	5,3	8	18,8	23,9
IPE 200	200	100	5,6	8,5	22,4	28,5
IPE 220	220	110	5,9	9,2	26,2	33,4
IPE 240	240	120	6,2	9,8	30,7	39,1
IPE 270	270	135	6,6	10,2	36,1	45,9
IPE 300	300	150	7,1	10,7	42,2	53,8
IPE 330	330	160	7,5	11,5	49,1	62,6
IPE 360	360	170	8	12,7	57,1	72,7
IPE 400	400	180	8,6	13,5	66,3	84,5
IPE 450	450	190	9,4	14,6	77,6	98,8
IPE 500	500	200	10,2	16	90,7	116
IPE 550	550	210	11,1	17,2	106	134
IPE 600	600	220	12	19	122	156

Steel grades: S235JR, S275JR/J0, S355JR/J2

Steel: EN 10025-2

Standard length: 6000, 6100 mm
12000, 12100 mm

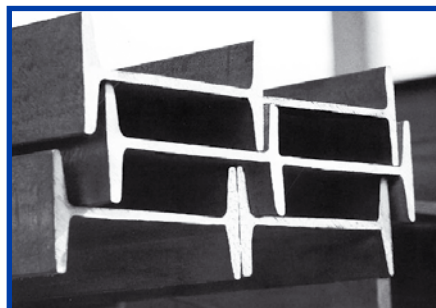
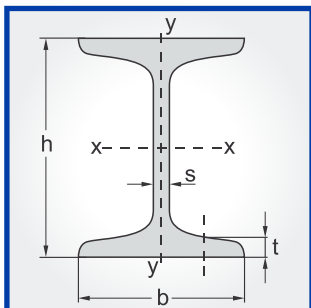
Standards: Dimensions: DIN 1025-5

Tolerances: EN 10034

Different sizes and grades can be agreed upon and delivered according to customer's request.

EUROPEAN STANDARD PROFILES

IPN PROFILES



Profile	Dimensions mm				Weight	Section area
	h	b	s	t	kg/m	cm ²
IPN 80	80	42	3,9	5,9	5,94	7,57
IPN 100	100	50	4,5	6,8	8,34	10,6
IPN 120	120	58	5,1	7,7	11,1	14,2
IPN 140	140	66	5,7	8,6	14,3	18,2
IPN 160	160	74	6,3	9,5	17,9	22,8
IPN 180	180	82	6,9	10,4	21,9	27,9
IPN 200	200	90	7,5	11,3	26,2	33,4
IPN 220	220	98	8,1	12,2	31,1	39,5
IPN 240	240	106	8,7	13,1	36,2	46,1
IPN 260	260	113	9,4	14,1	41,9	53,3
IPN 280	280	119	10,1	15,2	47,9	61,0
IPN 300	300	125	10,8	16,2	54,2	69,0
IPN 320	320	131	11,5	17,3	61	77,7
IPN 340	340	137	12,2	18,3	68	86,7
IPN 360	360	143	13	19,5	76,1	97,0
IPN 380	380	149	13,7	20,5	84	107
IPN 400	400	155	14,4	21,6	92,4	118
IPN 450	450	170	16,2	24,3	115	147
IPN 500	500	185	18	27	141	179
IPN 550	550	200	19	30	166	212

Steel grades: S235JR, S275JR/J0, S355JR/J2

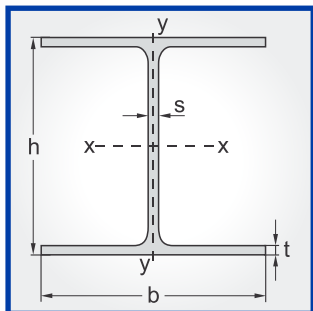
Standard length: 6000, 6100 mm
12000, 12100 mm

Steel: EN 10025-2

Standards: Dimensions: DIN 1025-1

Tolerances: EN 10034

Different sizes and grades can be agreed upon and delivered according to customer's request.



Profile	Dimensions mm				Weight	Section area
	h	b	s	t	kg/m	cm ²
HEA 100	96	100	5	8	16,7	21,2
HEA 120	114	120	5	8	19,9	25,3
HEA 140	133	140	5,5	8,5	24,7	31,4
HEA 160	152	160	6	9	30,4	38,8
HEA 180	171	180	6	9,5	35,5	45,3
HEA 200	190	200	6,5	10	42,3	53,8
HEA 220	210	220	7	11	50,5	64,3
HEA 240	230	240	7,5	12	60,3	76,8
HEA 260	250	260	7,5	12,5	68,2	86,8
HEA 280	270	280	8	13	76,4	97,3
HEA 300	290	300	8,5	14	88,3	112
HEA 320	310	300	9	15,5	97,6	124
HEA 340	330	300	9,5	16,5	105	133
HEA 360	350	300	10	17,5	112	143
HEA 400	390	300	11	19	125	159
HEA 450	440	300	11,5	21	140	178
HEA 500	490	300	12	23	155	198
HEA 550	540	300	12,5	24	166	212
HEA 600	590	300	13	25	178	226
HEA 650	640	300	13,5	26	190	242
HEA 700	690	300	14,5	27	204	260
HEA 800	790	300	15	28	224	286
HEA 900	890	300	16	30	252	320
HEA 1000	990	300	16,5	31	272	347

Steel grades: S235JR, S275JR/J0, S355JR/J2

Steel: EN 10025-2

Standard length: 6000, 6100 mm
12000, 12100 mm

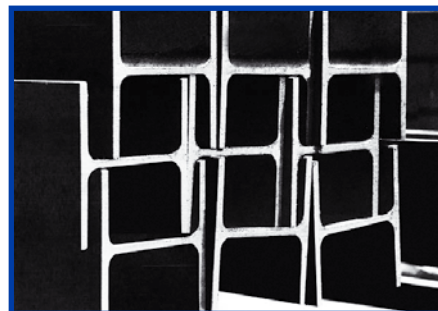
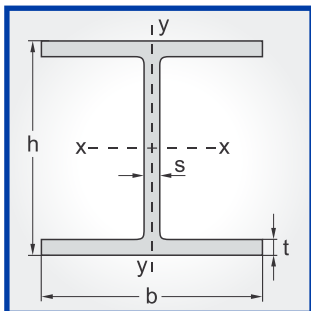
Standards: Dimensions: DIN 1025-3

Tolerances: EN 10034

Different sizes and grades can be agreed upon and delivered according to customer's request.

EUROPEAN STANDARD PROFILES

HEB(IPB) - EUROPEAN WIDE FLANGE BEAMS



Profile	Dimensions mm				Weight	Section area
	h	b	s	t	kg/m	cm ²
HEB 100	100	100	6	10	20,4	26,0
HEB 120	120	120	6,5	11	26,7	34,0
HEB 140	140	140	7	12	33,7	43,0
HEB 160	160	160	8	13	42,6	54,3
HEB 180	180	180	8,5	14	51,2	65,3
HEB 200	200	200	9	15	61,3	78,1
HEB 220	220	220	9,5	16	71,5	91,0
HEB 240	240	240	10	17	83,2	106
HEB 260	260	260	10	17,5	93	118
HEB 280	280	280	10,5	18	103	131
HEB 300	300	300	11	19	117	149
HEB 320	320	300	11,5	20,5	127	161
HEB 340	340	300	12	21,5	134	171
HEB 360	360	300	12,5	22,5	142	181
HEB 400	400	300	13,5	24	155	198
HEB 460	450	300	14	26	171	218
HEB 500	500	300	14,5	28	187	239
HEB 550	550	300	15	29	199	254
HEB 600	600	300	15,5	30	212	270
HEB 650	650	300	16	31	225	286
HEB 700	700	300	17	32	241	306
HEB 800	800	300	17,5	33	262	334
HEB 900	900	300	18,5	35	291	371
HEB 1000	1000	300	19	36	314	400

Steel grades: S235JR, S275JR/J0, S355JR/J2

Steel: EN 10025-2

Standards: Dimensions: DIN 1025-2

Standard length: 6000, 6100 mm
12000, 12100 mm

Tolerances: EN 10034

Different sizes and grades can be agreed upon and delivered according to customer's request.

SEAMLESS STEEL PIPES, COLD- AND HOT-FINISHED

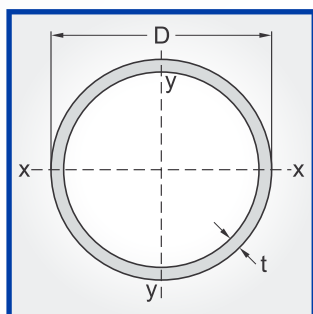
Outside diam. D, mm	Wall thickness t, mm																			
	1,5	2,0	2,3	2,6	2,9	3,0	3,2	3,6	4,0	4,5	5,0	6,0	6,3	7,1	8,0	8,5	8,8	10,0	11,0	12,0
	Weight , kg/m																			
8	0,24	0,30																		
10	0,31	0,39	0,44	0,47																
12	0,39	0,49	0,55	0,60	0,65	0,67														
14	0,46	0,59	0,66	0,73	0,79	0,81														
15	0,50	0,64	0,72	0,80	0,87	0,89														
16	0,54	0,69	0,78	0,86	0,94	0,96	1,01	1,10	1,18											
18	0,61	0,79	0,89	0,99	1,08	1,11	1,17	1,28	1,38											
20	0,68	0,89	1,00	1,12	1,22	1,26	1,33	1,46	1,58	1,72										
21,3		0,95	1,08	1,20	1,32	1,35	1,43	1,57	1,71	1,86										
22		0,99	1,12	1,24	1,37	1,41	1,48	1,63	1,78	1,94										
25		1,13	1,29	1,44	1,58	1,63	1,72	1,90	2,07	2,28	2,47									
26,9		1,23	1,40	1,56	1,72	1,77	1,87	2,07	2,26	2,49	2,70									
28		1,28	1,46	1,63	1,80	1,85	1,96	2,17	2,37	2,61	2,84	3,26								
30		1,38	1,57	1,76	1,94	2,00	2,11	2,34	2,56	2,83	3,08	3,55	3,68	4,01	4,34					
31,8			1,67	1,87	2,07	2,13	2,26	2,50	2,74	3,03	3,30	3,82	3,96	4,32	4,70					
33,7			1,78	1,99	2,20	2,27	2,41	2,67	2,93	3,24	3,54	4,10	4,26	4,66	5,07					
35			1,85	2,08	2,30	2,37	2,51	2,79	3,06	3,38	3,70	4,29	4,46	4,89	5,33					
36			1,91	2,14	2,37	2,44	2,59	2,88	3,16	3,50	3,82	4,44	4,61	5,06	5,52					
38				2,27	2,51	2,59	2,75	3,05	3,35	3,72	4,07	4,74	4,93	5,41	5,92	6,18	6,34	6,91		
40				2,40	2,65	2,74	2,90	3,23	3,55	3,94	4,32	5,03	5,24	5,76	6,31	6,60	6,77	7,40		
42,4				2,55	2,82	2,91	3,09	3,44	3,79	4,21	4,61	5,39	5,61	6,18	6,79	7,11	7,29	7,99		
44,5				2,69	2,98	3,07	3,26	3,63	4,00	4,44	4,87	5,70	5,94	6,55	7,20	7,55	7,75	8,51		
48,3				2,93	3,25	3,35	3,56	3,97	4,37	4,86	5,34	6,26	6,53	7,21	7,95	8,34	8,57	9,45		
51					3,44	3,55	3,77	4,21	4,64	5,16	5,67	6,66	6,94	7,69	8,48	8,91	9,16	10,11	10,85	11,54
54					3,65	3,77	4,01	4,47	4,93	5,49	6,04	7,10	7,41	8,21	9,08	9,54	9,81	10,85	11,66	12,43
57					3,87	4,00	4,25	4,74	5,23	5,83	6,41	7,55	7,88	8,74	9,67	10,17	10,46	11,59	12,48	13,32
60,3					4,11	4,24	4,51	5,03	5,55	6,19	6,82	8,03	8,39	9,32	10,32	10,86	11,18	12,40	13,37	14,29
63,5					4,33	4,48	4,76	5,32	5,87	6,55	7,21	8,51	8,89	9,88	10,95	11,53	11,87	13,19	14,24	15,24
70					4,80	4,96	5,27	5,90	6,51	7,27	8,01	9,47	9,90	11,01	12,23	12,89	13,28	14,80	16,01	17,16
76,1					5,24	5,41	5,75	6,44	7,11	7,95	8,77	10,37	10,84	12,08	13,44	14,17	14,61	16,30	17,66	18,97
88,9							6,76	7,57	8,38	9,37	10,35	12,27	12,83	14,32	15,96	16,85	17,38	19,46	21,13	22,76
95								8,11	8,98	10,04	11,10	13,17	13,78	15,39	17,16	18,13	18,71	20,96	22,79	24,56
101,6								8,70	9,63	10,78	11,91	14,15	14,81	16,55	18,47	19,52	20,14	22,59	24,58	26,52
108								9,27	10,26	11,49	12,70	15,09	15,80	17,67	19,73	20,86	21,53	24,17	26,31	28,41
114,3								9,83	10,88	12,19	13,48	16,03	16,78	18,77	20,97	22,18	22,90	25,72	28,02	30,27
121									11,54	12,93	14,30	17,02	17,82	19,94	22,29	23,58	24,35	27,37	29,84	32,26
133										14,26	15,78	18,79	19,69	22,04	24,66	26,10	26,95	30,33	33,10	35,81
139,7										15,00	16,61	19,78	20,73	23,22	25,98	27,50	28,41	31,99	34,91	37,79
146										15,70	17,39	20,72	21,70	24,32	27,23	28,82	29,78	33,54	36,62	39,66
159										17,15	18,99	22,64	23,72	26,60	29,79	31,55	32,60	36,75	40,15	43,50
168,3										18,18	20,14	24,02	25,17	28,23	31,63	33,50	34,61	39,04	42,67	46,26
177,8												25,42	26,65	29,89	33,50	35,49	36,68	41,38	45,25	49,07
180												25,75	26,99	30,27	33,93	35,95	37,15	41,92	45,85	49,72
194												27,82	29,16	32,73	36,70	38,89	40,19	45,38	49,64	53,86
219,1												31,53	33,06	37,12	41,65	44,15	45,64	51,57	56,45	61,29
244,5														37,01	41,57	46,66	49,47	51,15	57,83	63,34
267														40,50	45,51	51,10	54,19	56,03	63,38	69,45
273														41,44	46,56	52,28	55,45	57,34	64,86	71,07
299																57,41	60,90	62,98	71,27	78,13
323,9																62,32	66,12	68,38	77,41	84,88
351																67,67	71,80	74,26	84,10	92,23
355,6																68,58	72,76	75,26	85,23	93,48
377																72,80	77,25	79,91	90,51	99,29
406,4																78,60	83,41	86,29	97,76	107,26
426																82,47	87,52	90,54	102,59	112,58
508																98,65	104,71	108,34	122,81	134,82
610																118,77	126,09	130,47	147,97	162,49

12,5	14,0	15,0	16,0	17,5	18,0	20,0	22,0	25,0	28,0	32,0	36,0



Standard:	Steel grades:
EN 10216-1	P235TR1/2 P265TR1/2
EN 10210	S235JRH S275J0H S355J2H
EN 10305-1	E235 E275 E355
ГОСТ 8731/8732 ГОСТ 8733/8734	10 20 45
ГОСТ 9567	10 20
DIN 1629	St44.0 St52.0
Length:	5000 ÷ 12000 mm
Fixed length within:	5000 ÷ 12000 mm

Different sizes and grades can be agreed upon and delivered according to customer's request.



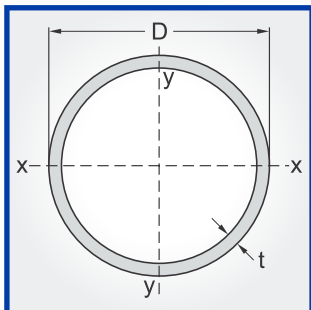
Outside diam. D, mm	Wall thickness t, mm																				
	2,3	2,6	2,9	3,2	3,6	4,0	4,5	5,0	5,6	6,3	7,1	8,0	8,8	10,0	12,5	14,2	16,0	17,5	20,0	22,2	25,0
	Weight , kg/m																				
21,3	1,08	1,20	1,32	1,43	1,57	1,71															
26,9	1,40	1,56	1,72	1,87	2,07	2,26															
31,8	1,67	1,87	2,07	2,26	2,50	2,74	3,03	3,30													
33,7	1,78	1,99	2,20	2,41	2,67	2,93	3,24	3,54													
42,4		2,55	2,82	3,09	3,44	3,79	4,21	4,61													
48,3		2,93	3,25	3,56	3,97	4,37	4,86	5,34	5,90	6,53											
60,3			4,11	4,51	5,03	5,55	6,19	6,82	7,55	8,39	9,32	10,32	11,18	12,40							
76,1			5,24	5,75	6,44	7,11	7,95	8,77	9,74	10,84	12,08	13,44	14,61	16,30	19,61						
88,9				6,76	7,57	8,38	9,37	10,35	11,50	12,83	14,32	15,96	17,38	19,46	23,55	26,16					
114,3					9,83	10,88	12,19	13,48	15,01	16,78	18,77	20,97	22,90	25,72	31,38	35,05	38,79	41,78	46,51		
139,7						13,39	15,00	16,61	18,52	20,73	23,22	25,98	28,41	31,99	39,21	43,95	48,81	52,74	59,04	64,33	70,72
159							17,15	18,99	21,19	23,72	26,60	29,79	32,60	36,75	45,16	50,71	56,43	61,07	68,56	74,90	82,62
168,3							18,18	20,14	22,47	25,17	28,23	31,63	34,61	39,04	48,03	53,96	60,10	65,08	73,15	79,99	88,35
219,1										33,06	37,12	41,65	45,64	51,57	63,69	71,75	80,14	87,01	98,20	107,80	119,67
273										41,44	46,56	52,28	57,34	64,86	80,30	90,63	101,41	110,27	124,79	137,31	152,90
323,9										55,47	62,32	68,38	77,41	95,99	108,45	121,49	132,23	149,89	165,18	184,28	
355,6											68,58	75,26	85,23	105,77	119,56	134,00	145,92	165,53	182,53	203,83	
406,4											78,60	86,29	97,76	121,43	137,35	154,05	167,84	190,58	210,34	235,15	
508											98,65	108,34	122,81	152,75	172,93	194,14	211,69	240,70	265,97	297,79	
610											118,77	130,47	147,97	184,19	208,65	234,38	255,71	291,01	321,81	360,67	

Standard:	EN 10216-2	EN 10217-2	TY 14-3-460	TY 14-3P-55	TY 14-3-190	ASTM A106
Steel grades:	P235GH P265GH 16Mo3 13CrMo4-5 10CrMo9-10	P235GH P265GH	20 15XM 12X1MΦ	20 15XM 12X1MΦ	10 20	Gr. B

Length: 5000 ÷ 12000 mm

Fixed length within: 5000 ÷ 12000 mm

Different sizes and grades can be agreed upon and delivered according to customer's request.



Outside diameter D, mm		Wall thickness t, mm									
		2,0	2,5	3,0	3,5	4,0	4,5	5,0	6,0	6,3	8,0
inch	mm	Weight, kg/m									
1/2"	21,3	0,95	1,16	1,35							
3/4 "	26,9	1,23	1,50	1,77							
	32	1,48	1,82	2,15							
1"	33,7	1,56	1,92	2,27	2,61	2,93					
	38	1,78	2,19	2,59	2,98	3,35					
1 1/4"	42,4	1,99	2,46	2,91	3,36	3,79					
	44,5	2,10	2,59	3,07	3,54	4,00					
1 1/2"	48,3	2,28	2,82	3,35	3,87	4,37					
2"	60,3	2,88	3,56	4,24	4,90	5,55					
2 1/2"	76,1	3,65	4,54	5,41	6,27	7,11					
3"	88,9	4,29	5,33	6,36	7,37	8,38	9,37	10,35			
3 1/2"	101,6	4,91	6,11	7,29	8,47	9,63	10,78	11,91	14,15	14,81	
	108	5,23	6,50	7,77	9,02	10,26	11,49	12,70	15,09	15,80	
4"	114,3	5,54	6,89	8,23	9,56	10,88	12,19	13,48	16,03	16,78	
5"	139,7			10,11	11,76	13,39	15,00	16,61	19,78	20,73	
	159			11,54	13,42	15,29	17,15	18,99	22,64	23,72	29,79
6"	168,3			12,23	14,22	16,21	18,18	20,14	24,02	25,17	31,63
	191			13,91	16,18	18,45	20,70	22,94	27,37	28,70	36,10
8"	219,1							26,40	31,53	33,06	41,65
	244,5							29,53	35,29	37,01	46,66
10"	273							33,05	39,51	41,44	52,28

Standard: EN 10219-1/2 EN 10305-3 EN 10217-1 EN 10255

Steel grades: S235JRH, S275JRH/J0H, S355JRH/J2H E235 P235TR1, P265TR1 S195T

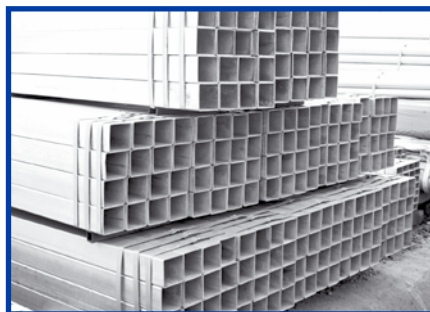
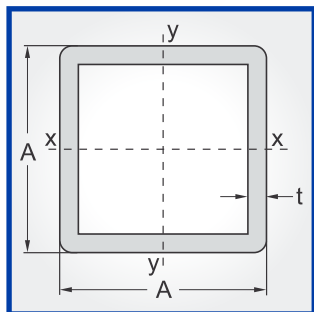
Length, m: 6000 mm, 12000 mm

Different lengths - on customer's request

Pipes of the other sizes and grades/standards can be supplied on customer's request.

HOLLOW SECTIONS

WELDED SQUARE STEEL HOLLOW SECTIONS



Sizes (A x A), mm	Wall thickness t, mm										
	1,5	2,0	2,5	3,0	4,0	5,0	6,0	8,0	10,0	12,0	16,0
mm / mm	Weight, kg/m										
15 x 15	0,61	0,76									
20 x 20	0,84	1,05	1,29	1,48							
25 x 25	1,07	1,36	1,64	1,89							
30 x 30	1,31	1,68	2,03	2,36							
40 x 40	1,78	2,31	2,82	3,30	4,20						
50 x 50		2,93	3,60	4,25	5,45	6,56					
60 x 60		3,56	4,39	5,19	6,71	8,13	9,45				
70 x 70			5,17	6,13	7,97	9,70	11,30				
80 x 80				7,07	9,22	11,30	13,20	16,40			
90 x 90				8,01	10,50	12,80	15,10	18,90			
100 x 100				8,96	11,70	14,40	17,00	21,40	25,60	28,30	
120 x 120				10,80	14,20	17,50	20,70	26,40	31,80	35,80	
140 x 140					16,80	20,70	24,50	31,40	38,10	43,40	
150 x 150					18,00	22,30	26,40	33,90	41,30	47,10	58,70
160 x 160					19,30	23,80	28,30	36,50	44,40	50,90	63,70
180 x 180					21,80	27,00	32,10	41,50	50,70	58,50	73,80
200 x 200					24,30	30,10	35,80	46,50	57,00	66,00	83,80
220 x 220						33,20	39,60	51,50	63,20	73,50	93,90
250 x 250						38,00	45,20	59,10	72,70	84,80	109,00
260 x 260							47,10	61,60	75,80	88,60	114,00
300 x 300							54,70	71,60	88,40	104,00	134,00
350 x 350								84,20	104,00	123,00	159,00
400 x 400									120,00	141,00	189,50

Standard: EN 10219-1/2

EN 10210-1/2

EN 10305-5

Steel grades: S235JRH,
S275JRH/J0H,
S355JRH/J2H

S235JRH,
S275JRH/J0H,
S355JRH/J2H

E235

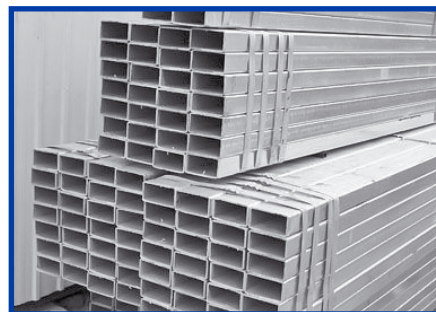
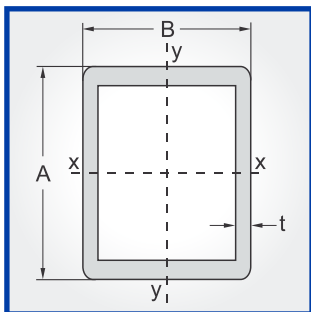
Length, m: 6000 mm,
12000 mm

Different lengths - on customer's request

Pipes of the other sizes and grades / standards can be supplied on customer's request.

HOLLOW SECTIONS

STEEL WELDED RECTANGULAR HOLLOW SECTIONS



Sizes (A x B)	Wall thickness t, mm									
	1,5	2,0	2,5	3,0	4,0	5,0	6,0	8,0	10,0	12,0
mm / mm	Weight , kg/m									
30 x 10	0,84									
30 x 20	1,08	1,39								
40 x 20	1,31	1,70	2,03	2,36						
40 x 30	1,55	2,02	2,47	2,89						
50 x 30		2,31	2,82	3,30	4,20					
50 x 40		2,65	3,25	3,83	4,93					
60 x 30		2,65	3,25	3,83	4,93					
60 x 40		2,93	3,60	4,25	5,45	6,56				
80 x 40		3,56	4,39	5,19	6,71	8,13				
80 x 60		4,19	5,17	6,13	7,97	9,70				
100 x 40			5,17	6,13	7,97	9,70				
100 x 50			5,56	6,60	8,59	10,50	12,30			
100 x 60			5,96	7,07	9,22	11,30	13,20			
100 x 80			6,74	8,01	10,50	12,80	15,10			
120 x 60			6,74	8,01	10,50	12,80	15,10	18,90		
120 x 80				8,96	11,70	14,40	17,00	21,40		
120 x 100				9,96	13,10	16,15	19,11	24,76		
140 x 60				9,02	11,84	14,58	17,22			
140 x 80					13,00	16,00	18,90	23,90		
150 x 100					14,90	18,30	21,70	27,70	33,40	37,70
160 x 80					14,20	17,50	20,70	26,40	31,80	35,80
180 x 100					16,80	20,70	24,50	31,40	38,10	43,40
200 x 100					18,00	22,30	26,40	33,90	41,30	47,10
200 x 120					19,30	23,80	28,30	36,50	44,40	50,90
250 x 150						30,10	35,80	46,50	57,00	66,00
260 x 180						33,20	39,80	51,50	63,20	73,50
300 x 100							35,80	46,50	57,00	66,00
300 x 150							40,50	52,80	64,80	75,40
300 x 200							45,20	59,10	72,70	84,80
350 x 250							54,70	76,10	88,40	104,00
400 x 200								76,10	89,70	106,60
400 x 300								84,20	104,00	123,00

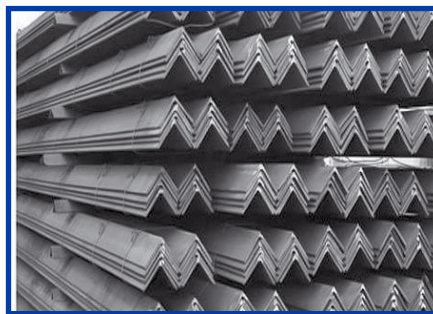
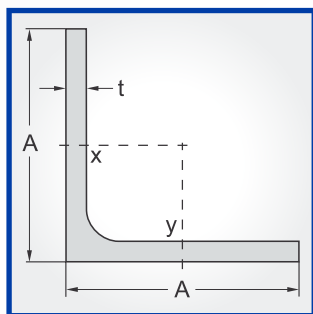
Standard: EN 10219-1/2 EN 10210-1/2 EN 10305-5

Steel grades: S235JRH S235JRH
 S275JRH/J0H S275JRH/J0H
 S355JRH/J2H S355JRH/J2H E235

Length, m: 6000 mm,
 12000 mm

Different lengths - on customer's request

Pipes of the other sizes and grades/standards can be supplied on customer's request.



Dimensions	Wall thickness t, mm														
	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	12,0	13,0	14,0	15,0	16,0	18,0	20,0
mm	Weight , kg/m														
20	0,88	1,14													
25	1,11	1,45													
30	1,36	1,78	2,18												
35	1,60	2,10	2,57												
40	1,84	2,42	2,97												
45	2,09	2,74	3,38												
50	2,33	3,06	3,77	4,47	5,15										
55		3,33	4,12	4,90											
60		3,70	4,57	5,42	6,21	7,09									
63		3,90	4,81	5,72	6,61	7,48									
65			4,91	5,91	6,76	7,73									
70			5,37	6,38	7,38	8,91									
75			5,69	6,78	7,86	8,92	10,06								
80				7,34	8,49	9,63	10,78	11,90							
90				8,30	9,51	10,90	12,22	13,40							
100					10,79	12,20	13,66	15,04	17,80						
110					11,89	13,43	15,03	16,61	19,71						
120						14,71	16,46	18,20	21,62	23,31	24,98				
125						15,46	17,30	19,10							
130						15,99	17,90	19,79	23,53	25,37	27,20	29,01			
140							19,41	21,45	25,50	27,50					
150								23,00	27,30	29,50	21,65	33,77	35,89	40,06	44,18
160								24,67	29,26	31,60	33,87	36,16	38,43	42,92	47,34
180									33,06	35,68	38,30	40,90	43,48	48,80	53,65
200											42,69	45,61	48,50	54,25	59,93

Steel grades: S235JR, S275JR, S355J2, St3ps, St3sp

Steel: EN 10025-2,
GOST 380

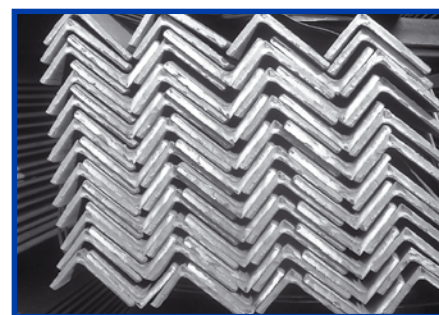
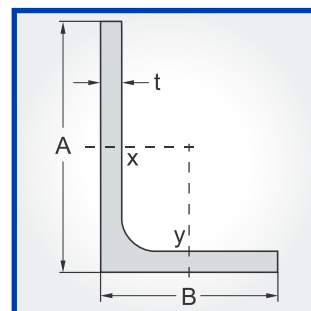
Standard length: 6000, 6100 mm
12000, 12100 mm

Standards:

Dimensions and tolerances: EN 10056-1
GOST 8509

Different sizes and grades can be agreed upon and delivered according to customer's request.

Dimensions	Wall thickness t, mm									
	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	12,0	15,0
mm	Weight , kg/m									
30 x 20	1,12	1,46								
40 x 20	1,35	1,77								
40 x 25		1,93								
45 x 30	1,72	2,25	2,77							
50 x 30		2,41	2,96							
60 x 30			3,37							
60 x 40			3,76	4,46	5,14					
60 x 50			4,15	4,93		6,43		7,88		
65 x 50			4,35							
70 x 50				5,41						
75 x 50			4,74	5,63		7,39		9,05		
75 x 55			4,56		6,80		8,59			
75 x 60			5,14	6,11		8,01		9,85		
80 x 40			4,56	5,41	6,25	7,07		8,67		
80 x 60					7,36					
90 x 60				6,83		8,97		11,04		
90 x 75				7,55		9,93		12,23		
100 x 50				6,85		8,99		11,06	13,06	
100 x 65					8,77	9,94	11,10	12,30		
100 x 75				8,04		10,57	11,80	13,03	15,44	
100 x 90				8,77		11,53		14,23	16,87	
120 x 80						12,20		15,00	17,80	
125 x 75						12,16		15,01	17,81	
125 x 80						12,47		15,41	18,28	22,47
125 x 90						13,12		16,21	19,24	23,65
130 x 65						11,90		14,60	17,30	
130 x 75						12,47		15,41	18,28	22,47
130 x 90								16,60	19,70	
150 x 75							15,40	17,00	20,20	24,80
150 x 90								18,20	21,60	26,60
150 x 100								19,00	22,50	
180 x 90								20,60	24,50	
190 x 90								16,60	19,72	24,26
200 x 100								23,00	27,30	33,75
200 x 150									32,00	39,60

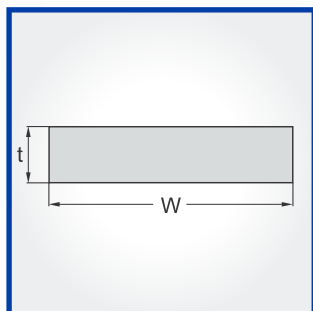


Steel grades: S235JR, S275JR, S355J2, St3ps, St3sp

Standards: Steel: EN 10025-2
Dimensions and tolerances: EN 10056-1, ГОСТ 8510

Standard length: 6000, 6100 mm
12000, 12100 mm

Different sizes and grades can be agreed upon and delivered according to customer's request.



Width W mm	Thickness t, mm													
	3,00	4,00	5,00	6,00	8,00	10,00	12,00	15,00	20,00	25,00	30,00	40,00	50,00	60,00
	Weight, kg/m													
10	0,27	0,31	0,39	0,47	0,63									
12	0,28	0,38	0,47	0,57	0,75	0,94								
14	0,33	0,44	0,55	0,66	0,88	1,10	1,32							
15	0,35	0,47	0,59	0,71	0,94	1,18	1,41							
16	0,38	0,50	0,63	0,75	1,00	1,26	1,51							
18	0,42	0,57	0,71	0,85	1,13	1,41	1,70	2,12						
20	0,47	0,63	0,79	0,94	1,26	1,57	1,88	2,36						
25	0,60	0,78	0,98	1,18	1,57	1,96	2,36	2,94	3,93					
30	0,71	0,94	1,18	1,41	1,88	2,36	2,83	3,53	4,71	5,89				
35	0,84	1,10	1,37	1,65	2,20	2,75	3,30	4,40	6,04	8,24				
40	0,94	1,26	1,57	1,88	2,51	3,14	3,77	4,71	6,28	7,85	9,42			
45	1,06	1,41	1,77	2,12	2,83	3,53	4,24	5,30	7,06	8,83	10,06	14,13		
50	1,18	1,57	1,96	2,36	3,14	3,92	4,71	5,89	7,85	9,81	11,78	15,70		
55	1,30	1,73	2,16	2,59	3,45	4,32	5,18	6,48	8,64	10,08	12,95	17,27		
60	1,41	1,88	2,36	2,83	3,77	4,71	5,65	7,06	9,42	11,78	14,13	18,84	23,60	
65	1,53	2,04	2,55	3,06	4,08	5,10	6,12	7,65	10,21	12,76	15,31	20,41	25,55	
70	1,65	2,20	2,75	3,30	4,40	5,50	6,59	8,24	11,0	13,74	16,49	21,98	27,50	
75	1,77	2,36	2,94	3,53	4,71	5,89	7,06	8,83	11,80	14,72	17,66	23,55	29,40	
80	1,88	2,51	3,14	3,77	5,02	6,28	7,54	9,42	12,56	15,70	18,84	25,12	31,40	37,70
90	2,12	2,83	3,53	4,24	5,65	7,06	8,48	10,60	14,13	17,66	21,20	28,26	35,30	42,40
100	2,36	3,14	3,92	4,71	6,28	7,85	9,42	11,78	15,70	19,63	23,55	31,40	39,20	47,10
110	2,59	3,45	4,32	5,18	6,91	8,64	10,36	12,95	17,27	21,59	25,91	34,54	43,20	51,81
120	2,83	3,77	4,71	5,65	7,54	9,42	11,30	14,30	18,84	23,55	28,26	37,68	47,10	56,50
130	3,06	4,08	5,10	6,12	8,16	10,21	12,25	15,31	20,41	25,51	30,62	40,82	51,00	61,23
140	3,30	4,40	5,50	6,59	8,79	11,00	13,19	16,49	21,98	27,48	32,97	43,96	55,00	65,94
150	3,53	4,71	5,80	7,06	9,42	11,78	14,13	17,66	23,55	29,44	35,33	47,10	58,88	70,70
160	3,77	5,02	6,28	7,54	10,05	12,56	15,07	18,84	25,12	31,40	37,68	50,24	62,80	75,36
170	4,00	5,34	6,67	8,01	10,68	13,35	16,01	20,02	26,69	33,40	40,00	53,40	66,73	80,07
180	4,24	5,65	7,06	8,48	11,30	14,13	16,96	21,20	28,26	35,33	42,39	56,50	70,65	84,78
200	4,71	6,28	7,85	9,42	12,56	15,70	18,84	23,55	31,40	39,20	47,10	62,80	78,50	94,20

Steel grades: S235JR, S275JR, S355J2

Steel: EN 10025

Standard length: 6000, 6100 mm
12000, 12100 mm

Standards:

Dimensions and tolerances: EN 10058
DIN 1017-1
DIN 59200

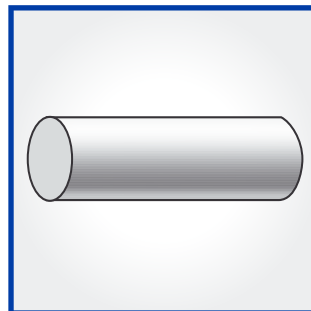
Different sizes and grades can be agreed upon and delivered according to customer's request.

Diameter, mm	Weight, kg/m	Cross-section area, mm ²
5,5	0,187	23,8
6	0,222	28,3
6,5	0,260	33,2
7	0,302	38,5
8	0,395	50,3
9	0,499	63,6
10	0,617	78,5
11	0,746	95,0
12	0,888	113,0
14	1,210	154,0

Steel grades: SAE 1006, SAE 1008, SAE 1010

Standards: ASTM-A510M

Packing: in coils weighing between 1 and 2 t



DEFORMED REINFORCING STEEL

Diameter, mm	Weight, kg/m	Cross-section area, mm ²
8	0,395	50,3
10	0,617	78,5
12	0,888	113,0
14	1,210	154,0
16	1,580	201,0
18	2,000	254,0
20	2,470	314,0
22	2,980	380,0
25	3,850	491,0
28	4,830	616,0
32	6,310	804,0
36	7,990	1018,0
40	9,860	1257,0

Steel grades: B500B, B500C

Standards: БДС 9252, EN 10080, DIN 488

Packing: bundles weighing between 2 and 5 t;
coils weighing between 1 and 3 t

