



ALFES

OBOJENI METALI

PRODAJNI KATALOG

PRODUCT CATALOGUE

MESING / BRASS

OKRUGLE ŠIPKE / ROUND BARS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
2	0.026
3	0.06
4	0.106
5	0.167
6	0.24
7	0.327
8	0.428
9	0.542
10	0.669
11	0.809
12	0.963
13	1.128
14	1.308
15	1.502
16	1.709
17	1.929
18	2.163
19	2.41
20	2.67
21	2.994
22	3.231
23	3.532
24	3.845
25	4.173
26	4.513
27	4.867
28	5.234
29	4.513
30	6.009
31	6.416
32	6.835
33	7.27
34	7.717

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
35	8.178
36	8.652
37	9.139
38	9.639
39	10.154
40	10.684
41	11.222
42	11.776
43	12.344
44	12.924
45	13.518
46	14.126
47	14.749
48	15.385
49	16.028
50	16.69
52	18.042
55	20.196
60	24.033
65	28.212
70	32.716
75	37.553
80	42.729
85	48.237
90	54.077
95	60.256
100	66.767
105	72.564
110	80.784
120	96.143
130	112.837

O NAMA ABOUT US

ALFES d.o.o. je hrvatska tvrtka sa sjedištem u Rijeci, koja uspješno posluje od 1992. godine. Specijalizirani smo za trgovinu, otkup i reciklažu obojenih metala te veleprodaju metala i metalnih proizvoda.

U našoj ponudi nalazi se širok asortiman proizvoda od mesinga, bronce, aluminija i bakra – šipke, trake, limovi, profili i cijevi različitih dimenzija, uz mogućnost rezanja materijala na mjeru. Kao zastupnici ljevaonice mesinga, nudimo i razne vrste odljeva, komponente za sanitarnu, elektro, strojarsku i automobilsku industriju te spojne i instalacijske dijelove.

Dugogodišnje iskustvo, stručnost i pouzdanost omogućuju nam da svojim kupcima osiguramo kvalitetna rješenja, fleksibilne uvjete i dugoročnu poslovnu suradnju.

ALFES d.o.o. is a Croatian company headquartered in Rijeka, successfully operating since 1992. We specialize in the trade, purchase, and recycling of non-ferrous metals, as well as the wholesale of metals and metal products.

Our product range includes a wide assortment of brass, bronze, aluminum, and copper products—bars, strips, sheets, sections, and pipes in various dimensions, with the option of custom cutting to size. As representatives of a brass foundry, we also offer various types of castings, components for the sanitary, electrical, mechanical, and automotive industries, as well as fittings and installation parts.

Our many years of experience, expertise, and reliability enable us to provide our customers with high-quality solutions, flexible terms, and long-term business cooperation.

KVADRATNE ŠIPKE / SQUARE BARS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
2	0.034
3	0.076
4	0.136
5	0.212
6	0.306
7	0.416
8	0.544
9	0.688
10	0.849
11	1.027
12	1.224
13	1.437
14	1.666
15	1.912
16	2.177
17	2.456
18	2.754
20	3.4

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
22	4.114
23	4.497
25	5.313
28	6.663
30	7.625
32	8.703
35	10.42
38	12.27
40	13.6
43	15.72
45	17.29
50	21.25
60	30.6
70	41.65
80	54.4
100	85
120	123



ŠESTEROKUTNE ŠIPKE / HEXAGONAL RODS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
3	0.067
4	0.117
5	0.184
6	0.265
7	0.361
8	0.481
9	0.596
10	0.736
11	0.89
12	1.062
13	1.245
14	1.444
15	1.656
16	2.886
17	2.128
18	2.387
19	2.66
20	2.946
21	3.25
22	3.565
23	3.897
24	4.243
25	4.603
26	4.978

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
27	5.37
28	5.75
29	6.19
30	6.63
31	7.08
32	7.529
33	8.02
34	8.512
35	9.02
36	9.53
37	10.06
38	10.61
40	11.76
41	12.36
42	12.97
45	14.89
46	15.56
48	16.94
50	18.38
55	22.24
60	26.47
65	32.18
70	36.065
80	47.107

Standardna dužina **3000 mm**. Za narudžbe osiguravamo **moćnost prijevoza**, kao i **rezanje materijala na mjeru** (min. komad narudžbe 100mm). Ova napomena odnosi se na šipke okrugle, kvadratne i šesterokut (bakar, broncu, aluminij i mesing).

*The standard length is 3000 mm. For orders, we provide **transport options** as well as **cutting the material to size** (minimum order length: 100 mm). This note applies to round, square, and hexagonal bars (copper, bronze, aluminum, and brass).*

MESING / BRASS

CIJEVI / PIPES

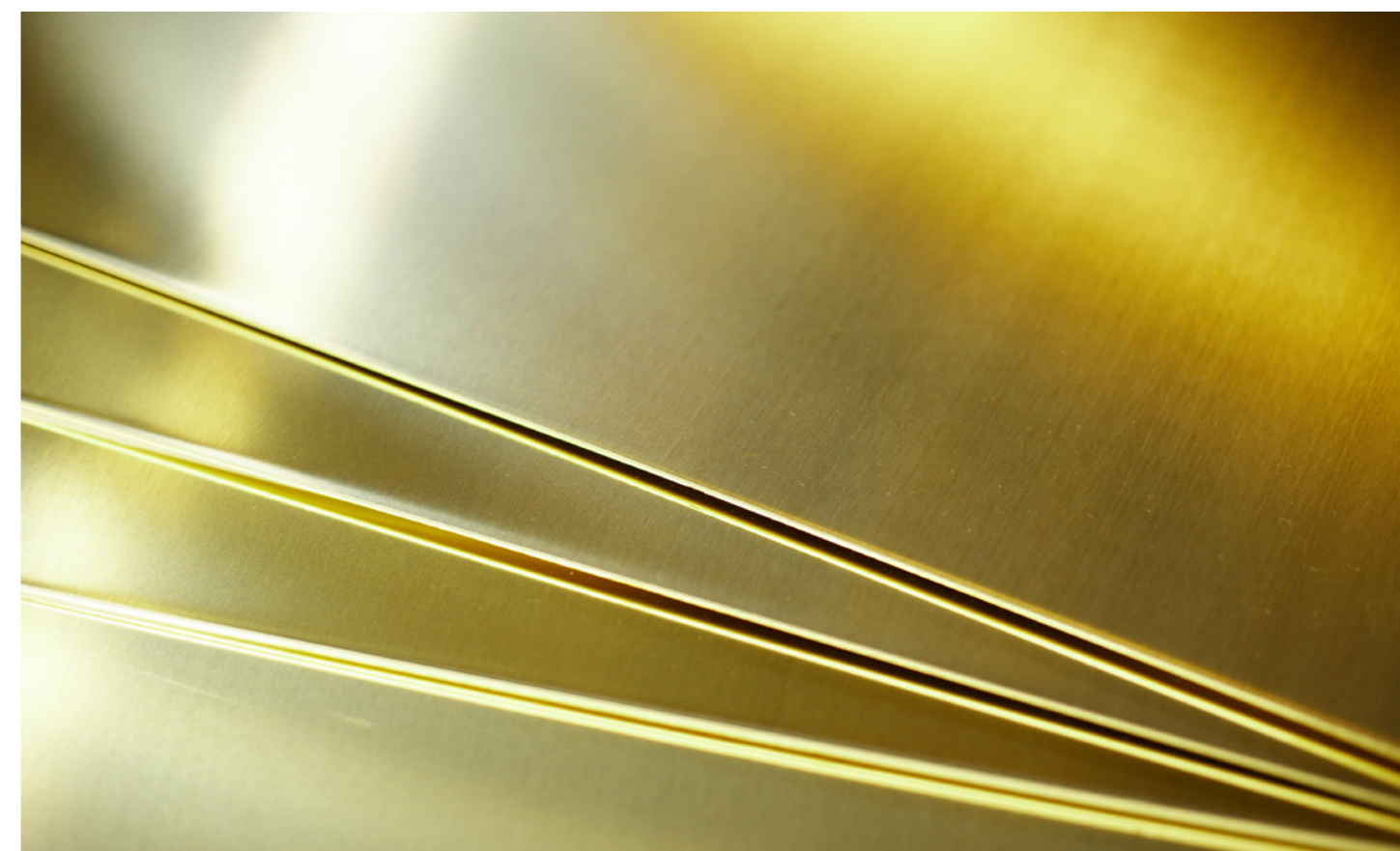
DIMENZIJA/ DIMENSIONS (MM)	DEBLJINA STIJENKE/ WALL THICKNESS					
	0.5	1	1.5	2	2.5	5
3	0.033	0.053	X	X	X	X
4	0.046	0.08	X	X	X	X
5	0.06	0.107	0.14	X	X	X
6	0.073	0.133	0.18	X	X	X
7	0.086	0.16	0.22	X	X	X
8	0.1	0.187	0.26	0.32	0.367	X
9	0.113	0.214	0.3	0.374	X	X
10	0.127	0.24	0.34	0.427	0.51	X
11	0.14	0.267	0.38	0.481	X	X
12	0.153	0.294	0.42	0.534	X	X
13	0.167	0.32	0.461	0.587	X	X
14	0.18	0.347	0.501	0.641	X	X
15	0.194	0.374	0.541	0.694	0.834	X
16	0.207	0.4	0.581	0.748	X	X
17	0.22	0.427	0.621	0.801	X	X
18	0.234	0.454	0.622	0.854	1.035	X
19	0.247	0.481	0.701	X	X	X
20	0.26	0.507	0.741	0.961	1.168	2
22	0.287	0.561	0.821	1.068	X	X
24	0.314	0.614	X	1.175	1.435	X
25	0.327	0.641	0.941	1.228	1.502	X
28	0.367	0.721	1.061	1.389	X	X
30	0.394	0.774	1.14	1.495	1.836	3.338
32	0.42	0.827	1.221	1.601	X	X
35	0.461	0.908	1.342	1.762	2.17	4
38	0.5	0.987	1.461	1.926	X	X
40	0.527	1.041	1.542	2.029	2.503	4.672
45	0.594	1.175	1.742	2.301	2.837	5.34
50	0.661	1.309	1.943	2.564	3.171	6.009
60	X	1.575	2.343	3.097	3.839	7.343

MESING / BRASS

LIMOVI / SHEETS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
0.4	7.11
0.5	8.89
0.6	10.66
0.7	12.44
0.8	14.22
1	17.78
1.2	21.33
1.5	26.67
2	35.56
2.5	44.45

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
3	53.34
4	71.12
5	88.9
6	106.18
8	142.24
10	177.8
12	213.36
15	266.7
20	355.6



MESING / BRASS

TRAKE / STRIPS

DIMENZIJA/ DIMENSIONS (MM)	DEBLJINA STIJENKE/ WALL THICKNESS						
	5	10	15	20	25	30	40
2	0.085	0.17	0.255	0.34	0.425	0.51	0.68
3	0.127	0.255	0.382	0.51	0.637	0.765	1.02
4	0.17	0.34	0.51	0.68	0.85	1.02	1.36
5		0.425	0.637	0.85	1.06	1.27	1.7
6		0.51	0.763	1.02	1.27	1.53	2.04
8		0.68	1.02	1.36	1.7	2.04	2.72
10			1.27	1.7	2.12	2.55	3.4
12			1.6	2.04	2.55	3.06	4.08
15				2.55	3.19	3.82	5.1
20					4.25	5.1	6.8
25						6.37	8.5
30							10.2

DIMENZIJA/ DIMENSIONS (MM)	DEBLJINA STIJENKE/ WALL THICKNESS						
	50	60	80	100	120	150	200
2	0.85	1.02	1.36	1.7	2.04		
3	1.27	1.53	2.04	2.55	3.06		
4	1.7	2.04	2.72	3.4	4.08		
5	2.12	2.56	3.4	4.25	5.1		
6	2.55	3.06	4.08	5.1	6.12		
8	3.4	4.08	5.44	6.8	8.16		
10	4.25	5.1	6.8	8.5	10.2	12.15	17
12	5.1	6.12	8.16	10.2	12.2	14.8	
15	6.37	7.65	10.2	12.7	15.3	20	25.5
20	8.5	10.2	13.6	17	20.4	24.3	34
25	10.6	12.7	17	21.2	25.5	30.75	42.5
30	12.7	15.3	20.4	25.5	30.6	36.9	
40	17	20.4	27.02	34	40.8	49.2	
50		25.5	34	42.5	51	61.5	

BAKAR / COPPER

OKRUGLE ŠIPKE / ROUND BARS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
4	0.112
5	0.175
6	0.252
7	0.343
8	0.448
9	0.566
10	0.7
11	0.846
12	1.008
13	1.1183
14	1.373
15	1.575
16	1.79
18	2.26
20	2.8
22	3.388
25	4.375
28	5.488
30	6.3

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
32	7.168
35	8.575
40	11.2
45	14.175
50	17.5
55	21.15
60	25.135
65	29.5
70	34.195
75	39.3
80	44.663
85	50.5
90	56.527
100	69.786
110	85.2
120	101.2
150	158.4

KVADRATNE ŠIPKE / SQUARE BARS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
10	0.89
15	2.002
20	3.56
25	5.562
30	8.01
35	10.5

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
40	14.24
50	22.24
60	32.25
80	56.9
100	89
120	128.16

CIJEVI / PIPES

DIMENZIJA/ DIMENSIONS (MM)	DEBLJINA STIJENKE/ WALL THICKNESS						
	0.5	1	1.5	2	2.5	0.5	1
4	0.049	0.084				0.049	0.084
5	0.063	0.112				0.063	0.112
6	0.077	0.14				0.077	0.14
7	0.091	0.168					
8	0.105	0.195	0.272	0.335			0.195
10	0.133	0.251	0.356	0.447	0.5		0.251
12	0.16	0.308	0.44	0.558			0.308
13		0.335	0.482				
14	0.19	0.363	0.524	0.67			0.363
15		0.391	0.565	0.726	0.873		
16	0.22	0.419	0.607	0.782	X		0.419
17		0.447	0.649		1.02		
18		0.475	0.692	0.892			0.475
20		0.531	0.766	1.005	1.222		0.531
22		0.587	0.86	1.12			0.6
24		0.642		1.75	1.52		
25		0.67	0.984	1.285	1.571		
28		0.753	1.111	1.46			
30	0.41	0.809	1.192	1.56	1.92		
32		0.868	1.28	1.68			
35		0.95	1.403	1.8	2.268		
40		1.089	1.613	2.12	2.618		
45		1.228	1.82	2.42	2.967		
50		1.369	2.03	2.68	3.317		
60			2.48	3.26	4.015		
80			3300	4.4	5.411		
100			4.43		6.85		

TRAKE / STRIPS

DIMENZIJA/ DIMENSIONS (MM)	DEBLJINA STIJENKE/ WALL THICKNESS						
	10	15	20	25	30	40	50
2	0.178	0.267	0.356	0.445	0.534	0.712	0.89
3	0.267	0.401	0.534	0.668	0.801	1.068	1.335
4	0.356	0.534	0.712	0.89	1.068	1.424	1.78
5	0.445	0.668	0.89	1.112	1.335	1.78	2.225
6	0.534	0.801	1.068	1.335	1.602	2.134	2.67
8	0.712	1.068	1.424	1.78	2.136	2.848	3.56
10		1.335	1.78	2.225	2.67	3.56	4.45
12		1.602	2.136	2.67	3.204	4.272	5.34
15			2.67	3.338	4.005	5.34	6.675
20					5.34	7.12	8.89
25						6.37	11.12
30							13.35
40							
50							

DIMENZIJA/ DIMENSIONS (MM)	DEBLJINA STIJENKE/ WALL THICKNESS						
	60	70	80	100	120	150	200
2	1.068	1.246	1.424	1.78			
3	1.602	1.869	2.136	2.67			
4	2.136	2.492	2.848	3.56			
5	2.67	3.115	3.56	4.45	5.34	6.675	
6	3.204	3.738	4.272	5.34	6.408	8.01	
8	4.272	4.984	5.696	7.12	8.544	10.68	14.24
10	5.696	6.23	7.12	8.9	10.68	13.35	17.8
12	6.408	7.476	8.544	10.68	12.92	16.02	21.36
15	8.01	9.345	10.68	12.35	16.02	20.02	26.7
20	10.7	12.46	14.2	17.8	21.4	26.67	35.6
25	13.35	15.57	17.8	22.25	26.7	33.36	44.5
30	16.2	16.69	21.36	26.7	32.04	40.04	53.4
40	21.4	24.92	28.4	35.6	42.8	53.34	71.2
50		31.14	35.6	44.5	53.4	66.72	89

LIMOVI / SHEETS

DEBLJINA/ THICKNESS (MM)	1000 x 2000
0.4	7.11
0.5	8.89
0.6	10.66
0.7	12.44
0.8	14.22
1	17.78
1.2	21.33
1.5	26.67
2	35.56
2.5	44.45

DEBLJINA/ THICKNESS (MM)	1000 x 2000
3	53.34
4	71.12
5	88.9
6	106.18
8	142.24
10	177.8
12	213.36
15	266.7
20	355.6

Standardna dužina cijevi i traka **4000 mm**. Limovi su u standardnoj tvrdoći mekani i polutvrđi, a tvrdi po narudžbi.

*The standard length of pipes and strips is **4000 mm**. Sheets are supplied in standard soft and half-hard temper, with hard temper available upon request.*

MEKA ŽICA U KOLUTU / SOFT WIRE IN A COIL

DEBLJINA/ THICKNESS (MM)	1000 x 2000
0.5	0.001
0.6	0.002
0.7	0.003
0.8	0.004
1	0.007
1.2	0.01

DEBLJINA/ THICKNESS (MM)	1000 x 2000
1.5	0.015
2	0.027
2.5	0.043
3	0.062
4	0.111
5	0.174

OKRUGLE ŠIPKE / ROUND BARS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
10	0.7
11	0.84
12	1
13	1.18
14	1.37
15	1.57
16	1.79
17	2.02
18	2.26
19	2.52
20	2.8
21	3.08
22	3.38
23	3.7
24	4.03
25	4.37
26	4.73
27	5.1
28	5.44
29	5.88
30	3.6
32	7.16
35	8.57
38	10.1
40	11.2
42	12.34
45	14.17
48	16.12
50	17.5
52	18.7

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
55	21.2
60	25.2
62	60
65	29.6
70	34.3
75	39
80	44.8
85	50.05
90	56.7
100	70.1
105	74
110	84.9
115	89
120	101.5
125	104
130	108.2
135	102.5
140	137.5
150	169
160	179
170	202
180	227
190	253
200	280
225	355
250	437
275	538
280	580
300	631

KVADRATNE ŠIPKE / SQUARE BARS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
10x10	0.81
20x20	3.2
25x25	5.2
30x30	7.3
40x40	13
50x50	20.3

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
60x60	29.2
70x70	41.7
80x80	54.4
100x100	81
120x120	128.16

Po narudžbi vam možemo isporučiti i bronzu u sljedećim legurama:

CuAl10Fe5Ni4, CuAl10Fe3Mn2, Rg7 (CuSn7ZnPb), CuSn12Pb, CuSn12Ni, CuSn10, CuSn6, CuSn8Pb

Standardna dužina šipki je **3000 mm**.

Navedene dimenzije u tabelama mogu odstupati do 1,5 mm; kod vanjskih mjera odstupanje je u plusu, a kod unutrašnjih u minusu.

Po narudžbi vam možemo isporučiti i brončani lim i trake u legurama **CuSn6 i CuSn8**.

Upon request, we can also supply bronze in the following alloys:

CuAl10Fe5Ni4, CuAl10Fe3Mn2, Rg7 (CuSn7ZnPb), CuSn12Pb, CuSn12Ni, CuSn10, CuSn6, CuSn8Pb.

The standard bar length is 3000 mm.

Dimensions listed in the tables may vary by up to 1.5 mm; for external dimensions the tolerance is positive, and for internal dimensions it is negative.

*Upon request, we can also supply bronze sheets and strips in alloys **CuSn6 and CuSn8**.*

ŠESTEROKUTNE ŠIPKE / HEXAGONAL RODS

Šesterokutne šipke i trake dostupne su po narudžbi prema zahtjevima.

Hexagonal bars and strips are available to order according to specifications.

CIJEVI / PIPES

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
20/10	2.48
25/15	3.7
30/15	3.8
35/15	8.1
40/15	10.8
40/20	9.7
40/25	8.3
40/30	6.5
45/15	13.8
45/20	12.8
45/25	11.4
45/30	11.4
50/20	16.1
50/25	14.7
50/30	13
50/35	10.9
50/40	8.4
55/20	19.9
55/25	18.5
55/30	16.7
55/35	14.6
55/40	12.2
55/45	12.2
60/20	24
60/30	20.8
60/40	16.2

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
60/50	10.3
65/30	25.2
65/40	20.7
65/50	14.7
70/20	33.4
70/30	30.4
70/40	26
70/50	20.2
70/60	13
75/40	31.1
80/30	40.1
80/40	37.7
80/50	31.9
80/60	24.7
90/30	54.2
90/40	49.8
90/50	44
90/60	36.9
100/30	68.3
100/40	63.9
100/50	58.1
100/60	50.9

Mogućnost dobave drugih dimenzija./
Availability of other dimensions upon request.

ALUMINIJ / ALUMINIUM

OKRUGLE ŠIPKE / ROUND BARS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
4	0.03
5	0.05
6	0.08
7	0.1
8	0.14
9	0.17
10	0.21
11	0.26
12	0.31
13	0.36
14	0.42
15	0.48
16	0.54
17	0.61
18	0.69
19	0.77
20	0.85
21	0.93
22	1.03
23	1.12
24	1.22
25	1.32
26	1.43
27	1.55
28	1.66
29	1.78
30	1.91
32	2.17
34	2.45
35	2.6
36	2.75

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
38	3.06
40	3.39
42	3.74
44	4.1
45	4.26
46	4.48
48	4.88
50	5.3
52	5.73
54	6.18
55	6.41
56	6.65
58	7.13
60	7.63
62	8.15
64	8.68
65	8.95
66	9.23
68	9.8
70	10.39
72	10.99
74	11.61
75	11.92
76	12.24
78	12.9
80	13.56
82	14.25
84	14.96
85	15.31
86	15.68
88	16.41

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
90	17.17
92	17.94
94	18.73
95	19.13
96	19.53
98	20.36
100	21.2
105	23.37
110	26.65
115	28.03
120	30.52
125	33.12
130	35.82
135	38.63
140	41.54
145	44.56
150	47.69
155	50.92
160	56.29
170	61.25
175	64.91
180	68.67
185	72.54
190	76.51
195	80.59

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
200	84.78
210	93.47
220	102.58
230	112.12
240	122.08
250	132.47
260	143.28
270	154.51
280	166.17
290	178.25
300	190.76
320	217.04
350	259.64
360	274.69
380	306.06
400	339.12
420	373.88
450	429.2
460	448.49
480	488.33
500	529.88

Šipke okrugle u kvaliteti materijala **6026, 6060, 6082, 2030 i 7075.** / Round bars in material grades **6026, 6060, 6082, 2030, and 7075.**

KVADRATNE ŠIPKE / SQUARE BARS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
5	0.07
6	0.1
8	0.17
10	0.27
12	0.39
15	0.61
18	0.87
20	1.08
22	1.31
25	1.69
28	2.12
30	2.43
32	2.76
35	3.31
40	4.32
42	4.76
45	5.47
50	6.75
55	8.17
60	9.72
65	11.41
70	13.23

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
75	15.19
80	17.28
85	19.51
90	21.87
95	24.37
100	27
105	29.77
110	32.67
115	35.71
120	38.88
130	45.63
140	52.92
150	60.75
160	69.12
170	78.03
180	87.48
190	97.47
200	108

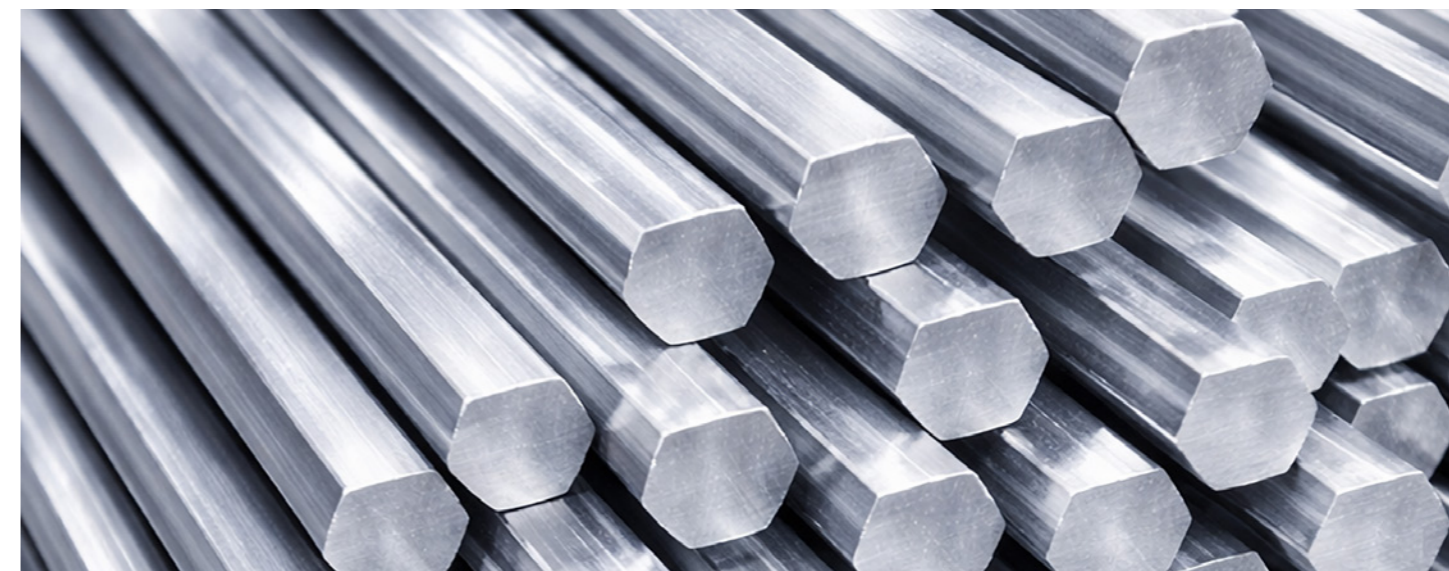
Šipke kvadratne u kvaliteti materijala **6060, 6082.** / Square bars in material grades **6060 and 6082.**

ŠESTEROKUTNE ŠIPKE / HEXAGONAL RODS

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
5	0.06
6	0.08
7	0.11
8	0.15
9	0.19
10	0.23
11	0.28
12	0.34
13	0.4
14	0.46
15	0.53
16	0.6
17	0.68
18	0.76
19	0.84
20	0.94
22	1.13
24	1.35
27	1.7

DIMENZIJA/ DIMENSIONS (MM)	TEŽINA/WEIGHT (KG/M)
30	2.1
32	2.39
34	2.7
36	3.03
38	3.38
40	3.74
45	4.73
46	4.95
50	5.85
55	7.07
60	8.42
65	9.88
70	11.46
75	13.15
80	14.96

Šipke šesterokutne u kvaliteti materijala **2011.** / Hexagonal bars in material grade **2011.**



ALUMINIJ / ALUMINIUM

TRAKE / STRIPS

DIMENZIJA/ DIMENSIONS (MM)	DEBLJINA STIJENKE/ WALL THICKNESS								
	2	3	4	5	6	8	10	12	15
10	0.05	0.08	0.11	0.14	0.16	0.22			
15	0.08	0.12	0.16	0.2	0.24	0.32	0.41		
20	0.11	0.16	0.22	0.27	0.32	0.43	0.54	0.65	0.81
25	0.14	0.2	0.27	0.34	0.41	0.54	0.68	0.81	1.01
30	0.16	0.24	0.32	0.41	0.49	0.65	0.81		1.22
35	0.19	0.28	0.38	0.47	0.57	0.76	0.95	1.13	1.42
40	0.22	0.32	0.43	0.54	0.65	0.86	1.08	1.3	1.62
45		0.36	0.49	0.61	0.73	0.97	1.22	1.46	1.82
50	0.27	0.41	0.54	0.68	0.81	1.08	1.35	1.62	2.03
60	0.32	0.49	0.65	0.81	0.97	1.3	1.62	1.94	2.43
70		0.54	0.76	0.95	1.13	1.51	1.89	2.27	2.84
80		0.65	0.86	1.08	1.3	1.73	2.16	2.59	3.24
90				1.22	1.46	1.94	2.43	2.92	3.65
100		0.81	1.08	1.35	1.62	2.16	2.7	3.24	4.05
120				1.62	1.94	2.59	3.24	3.89	4.86
150				2.02	2.43	3.24	4.05	4.86	6.08
200							5.4	6.48	8.1
250							6.75		

DIMENZIJA/ DIMENSIONS (MM)	DEBLJINA STIJENKE/ WALL THICKNESS									
	20	25	30	35	40	45	50	60	70	80
10										
15										
20										
25	1.35									
30	1.62	2.03								
35	1.89	2.36	2.84							
40	2.16	2.7	3.24							
45	2.43	3.04	3.65							
50	2.7	3.38	4.05	4.73	5.4					
60	3.24	4.05	4.86	5.67	6.48	7.29	8.1			
70	3.78	4.73	5.67	6.62	7.56	8.51	9.45	11.34		
80	4.32	5.4	6.48	7.56	8.64	9.72	10.8	12.96		
90	4.86	6.08	7.29	8.51	9.72		12.15	14.58	17.01	
100	5.4	6.75	8.1	9.45	10.8	12.12	13.5	16.2	18.9	21.6
120	6.48	8.1	9.72		12.96		16.2	19.44	22.68	25.92
150	8.1	10.13	12.15	14.2	16.2		20.25	24.3	28.35	32.4
200	10.8	13.5	16.2		21.6		27	32.4	37.8	43.2
250	13.5	16.88								

Aluminijske trake u kvaliteti **6060 i 6082**. / Aluminum strips in material grades **6060 and 6082**.

| Standardna dužina za sve šipke i trake je **3000 do 6000 mm**.

| *The standard length for all bars and strips is 3000 to 6000 mm.*

ALUMINIJ / ALUMINIUM

KUTNICI / ANGLE BARS

STRANICA/ SIDE LENGTH	STIJENKA/ WALL THICKNESS	KG/M
10	1	0.054
15	1.5	0.116
15	2	0.152
20	1	0.105
20	1.5	0.156
20	2	0.206
20	3	0.3
25	1	0.132
25	2	0.26
25	3	0.381
30	1	0.16
30	1.5	0.243
30	2	0.314
30	3	0.462
30	4	0.605
30	5	0.749
35	2	0.368
35	3	0.543
40	1.5	0.318
40	2	0.422
40	3	0.623

STRANICA/ SIDE LENGTH	STIJENKA/ WALL THICKNESS	KG/M
40	4	0.821
40	5	1.012
45	2	0.467
50	2	0.53
50	3	0.786
50	4	1.06
50	5	1.283
60	2	0.648
60	4	1.295
60	5	1.552
60	6	1.94
60	10	2.97
80	3	1.264
80	5	2.082
80	8	3.283
80	10	4.5
100	8	4.147
100	10	5.14

Kutnici u kvaliteti materijala **6060**. / Angle bars in material grade **6060**.

Standardna dužina za sve profile i kutnike je **6000 mm**.

The standard length for all profiles and angle bars is **6000 mm**.

L PROFILI / L SECTIONS

B	H	S	KG/M
15	10	1	0.065
15	10	1.5	0.096
15	10	2	0.125
20	10	2	0.152
20	15	2	0.179
25	10	2	0.179
25	15	1.5	0.156
25	15	2	0.206
25	15	3	0.312
25	20	2	0.233
30	10	2	0.206
30	15	1	0.119
30	15	1.5	0.189
30	15	2	0.233
30	15	3	0.341
30	20	1.5	0.198
30	20	2	0.26
30	20	3	0.38
35	15	2	0.26
35	20	2	0.286
35	35	2	0.313
40	10	2	0.259
40	15	2	0.287
40	20	2	0.314
40	20	3	0.462
40	20	4	0.604
40	25	2	0.341
40	30	2	0.367
40	30	3	0.543
50	15	2	0.34
50	20	2	0.368
50	25	2	0.395
50	30	2	0.422

B	H	S	KG/M
50	30	3	0.624
50	30	5	1.013
50	40	2	0.476
60	20	2	0.422
60	30	2	0.476
60	30	3	0.705
60	30	5	1.148
60	40	2	0.53
60	40	3	0.79
60	40	4	1.037
60	40	5	1.283
60	40	6	1.522
70	15	2	0.449
70	20	2	0.475
70	30	2	0.529
80	15	2	0.502
80	20	2	0.53
80	30	2	0.529
80	30	3	0.866
80	40	2	0.637
80	40	3	0.947
80	40	4	1.25
80	40	6	1.9
80	60	6	2.172
100	20	2	0.638
100	30	2	0.702
100	50	2	0.8
100	50	3	1.19
100	50	5	1.96
120	20	2	0.746
120	50	3	1.353
120	60	6	2.82
150	50	8	4.15

ALUMINIJ / ALUMINIUM

U PROFILI RAZNOLIKI / U SECTIONS VARIOUS

B	H	S	KG/M
10	15	1	0.103
15	10	1.5	0.13
20	10	2	0.194
20	15	2	0.249
20	30	2	0.41
30	10	2	0.249
30	15	2	0.303
30	20	2	0.357
40	10	2	0.303
40	20	2	0.411
40	20	3	0.6
45	20	2	0.437
45	30	2	0.546
50	15	2	0.411
50	20	2	0.465
50	25	2	0.497
50	25	4	0.994
50	30	2	0.5594
55	40	5	1.69
60	20	2	0.54
60	30	2	0.627
60	30	4	1.209
60	40	2	0.734

B	H	S	KG/M
60	40	3	1.086
60	40	4	1.426
70	20	2	0.573
70	30	3	1.004
70	40	5	1.9
80	20	2	0.627
80	40	2	0.843
80	40	3	1.247
80	40	4	1.641
80	45	3	1.377
80	50	5	2.43
88	50	3	1.523
90	50	5	2.43
96	53	3	1.637
100	20	2	0.734
100	25	2	0.788
100	40	3	1.41
100	50	5	2.565
140	70	5	3.645
160	80	8	6.641

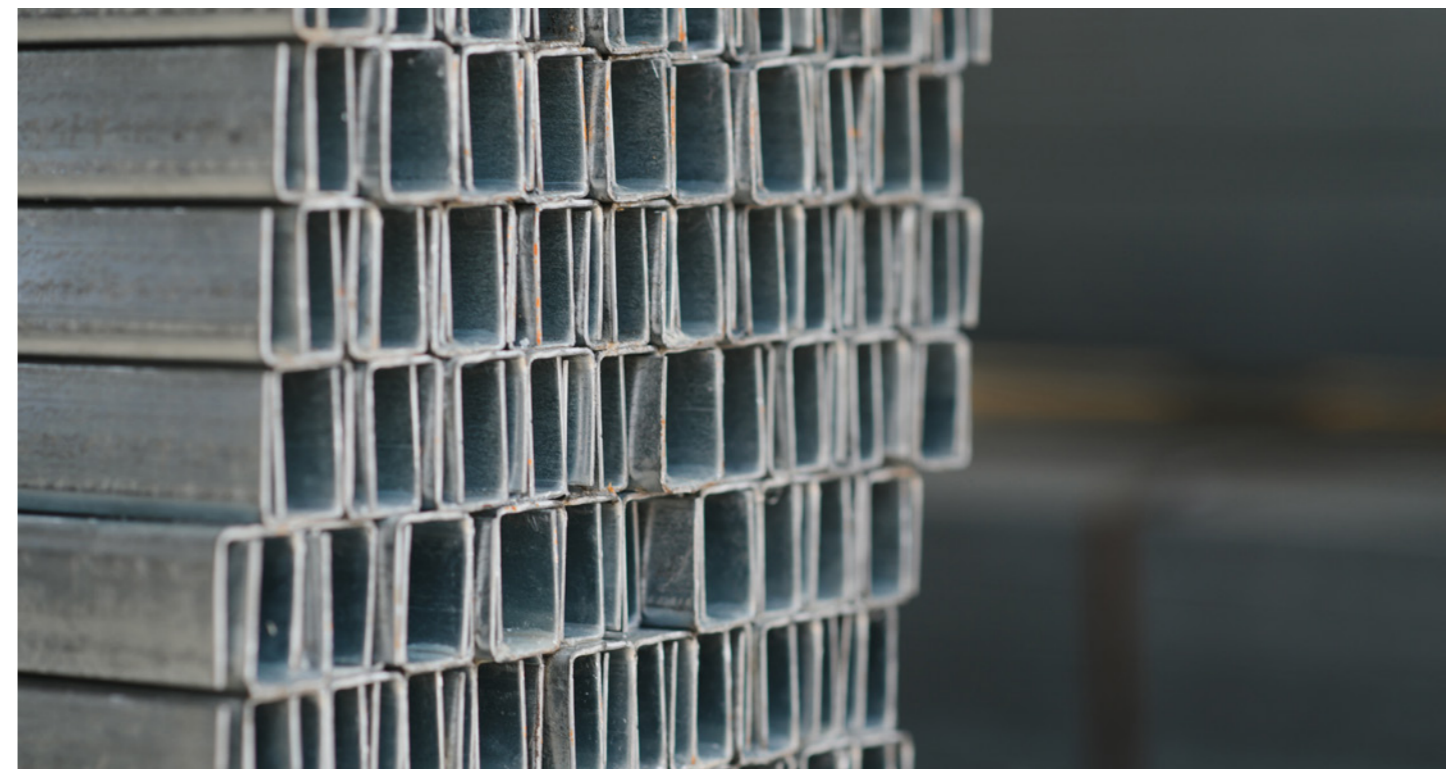
U profili u kvaliteti materijala 6060. /
U sections in material grade 6060.

U PROFILI / U SECTIONS

STRANICA/ SIDE LENGTH	STIJENKA/ WALL THICKNESS	KG/M
6	1	0.044
8	1	0.059
10	1	0.075
12	1	0.092
12	1.5	0.134
15	1.5	0.17
15	2	0.222
20	1.5	0.231
20	2	0.303
25	2	0.384
30	2	0.465
35	1.5	0.413

STRANICA/ SIDE LENGTH	STIJENKA/ WALL THICKNESS	KG/M
35	2	0.546
40	2	0.63
40	3	0.924
40	4	1.21
45	2	0.71
50	2	0.79
50	3	1.166
50	5	1.96
70	4	2.198

U profili u kvaliteti materijala 6060. /
U sections in material grade 6060.



ALUMINIJ / ALUMINIUM

OKRUGLE CIJEVI / ROUND PIPES

PROMJER/ DIAMETER	STIJENKA/ WALL THICKNESS	KG/M	PROMJER/ DIAMETER	STIJENKA/ WALL THICKNESS	KG/M	PROMJER/ DIAMETER	STIJENKA/ WALL THICKNESS	KG/M	PROMJER/ DIAMETER	STIJENKA/ WALL THICKNESS	KG/M	PROMJER/ DIAMETER	STIJENKA/ WALL THICKNESS	KG/M
6	1	0.042	22	2	0.339	35	2	0.56	50	3	1.196	65	10	4.663
8	1	0.06	22	2.5	0.414	35	2.5	0.689	50	5	1.908	65	12.5	5.566
9	1	0.068	22	5	0.721	35	3	0.814	50	10	3.392	70	1.5	0.872
10	1	0.076	23	1	0.186	35	4	1.05	50	12.5	3.98	70	2	1.154
10	1.5	0.108	24	1	0.195	35	5	1.272	50	15	4.451	70	5	2.756
10	2	0.15	24	2	0.38	38	1.5	0.464	55	2	0.899	70	10	5.09
10	2.5	0.18	24	5	0.806	38	3	0.891	55	2.5	1.113	70	12.5	6.1
11	1.25	0.104	25	1	0.204	40	1	0.331	55	5	2.121	70	15	6.998
12	1	0.093	25	1.2	0.245	40	1.5	0.49	55	8	3.188	70	20	8.49
12	1.5	0.134	25	1.5	0.298	40	2	0.645	55	10	3.816	75	1.5	0.935
12	2	0.17	25	2	0.39	40	2.5	0.795	60	1.5	0.744	75	2	1.238
13	1	0.102	25	2.5	0.477	40	3	0.942	60	2	0.984	75	5	2.968
14	1	0.11	25	3	0.56	40	4	1.222	60	3	1.451	75	7.5	4.238
14	1.5	0.159	25	5	0.848	40	5	1.485	60	4	1.9	75	10	5.513
14	2	0.204	28	1.5	0.338	40	7.5	2.067	60	5	2.332	75	12.5	6.63
15	1	0.119	28	2	0.442	40	10	2.545	60	8	3.53	76	3	1.86
15	1.5	0.172	30	1	0.245	40	12.5	2.916	60	10	4.239	80	2	1.323
15	2	0.221	30	1.5	0.363	42	2	0.679	60	12.5	5.035	80	2.5	1.643
16	1	0.127	30	2	0.475	42	5	1.568	60	15	5.725	80	3	1.959
16	1.5	0.184	30	2.5	0.583	45	1.5	0.554	60	20	6.8	80	5	3.181
16	2	0.238	30	3	0.687	45	2	0.73	63	1.5	0.782	80	8	4.886
18	1	0.144	30	5	1.06	45	2.5	0.9	65	2	1.069	80	10	5.935
18	1.5	0.21	30	6	1.22	45	3	1.069	65	5	2.544	80	12.5	7.16
18	2	0.272	32	1	0.26	45	5	1.695	65	7.5	3.658	80	15	8.577
18	3	0.381	32	1.5	0.388	45	7.5	2.385						
20	1	0.161	32	2	0.509	45	10	2.967						
20	1.5	0.235	32	3	0.737	45	12.5	3.45						
20	2	0.306	32	5	1.145	48	4	1.493						
20	3	433	33	2	0.526	50	1	0.416						
20	5	0.636	33	2.5	0.647	50	1.5	0.617						
22	1	0.178	35	1	0.289	50	2	0.814						
22	1.5	0.261	35	1.5	0.426	50	2.5	1.077						

Standardna dužina cijevi je **6000 mm**. Cijevi u kvaliteti materijala **6060**.

The standard pipe length is **6000 mm**. Pipes in material grade **6060**.

ALUMINIJ / ALUMINIUM

PRAVOKUTNE CIJEVI / RECTANGULAR PIPES

B	H	S	KG/M
20	10	1.5	0.218
20	15	1.5	0.259
25	10	1.5	0.259
25	15	1.5	0.3
25	15	2	0.389
30	10	1.5	0.33
30	15	1.5	0.36
30	15	2	0.443
30	20	1.5	0.391
30	20	2	0.497
35	20	2	0.584
40	10	1.5	0.381
40	15	1.5	0.421
40	15	2	0.55
40	20	1.5	0.465
40	20	2	0.605
40	20	3	0.875
40	25	2	0.702
40	30	2	0.712
40	30	3	1.037
45	20	2	0.659
50	15	2	0.7
50	20	2	0.713
50	25	2	0.767
50	25	3	1.167
50	30	2	0.855
50	30	3	1.195
50	40	2	0.929
60	20	2	0.821
60	30	2	0.929
60	30	3	1.37
60	40	2	1.037
60	40	3	1.522
60	40	4	1.99
70	20	2	0.929
70	30	2	1.037
70	40	4	2.203

B	H	S	KG/M
80	20	2	1.037
80	30	2	1.145
80	30	3	1.685
80	40	2	1.253
80	40	3	1.847
80	40	4	2.419
80	50	2	1.361
80	50	4	2.635
80	60	3	2.171
80	60	4	2.851
100	20	2	1.253
100	25	2	1.306
100	30	2	1.361
100	30	3	2.009
100	40	2	1.469
100	40	4	2.852
100	50	2	1.57
100	50	3	2.34
100	50	4	3.067
100	50	5	4.05
100	60	2	1.641
100	60	4	3.283
120	20	2	1.512
120	40	2	1.684
120	40	4	3.283
120	50	3	2.655
120	50	4	3.5
120	60	2	1.901
120	60	3	2.819
120	60	5	4.59
150	20	2	1.793
150	50	2.5	2.632
150	50	4	4.147
150	100	3	3.953
200	50	4	5.227

KVADRATNE CIJEVI / SQUARE PIPES

STRANICA /SIDE LENGTH	STIJENKA/WALL THICKNESS	KG/M
10	1	0.108
12	1	0.119
15	1.5	0.219
15	2	0.281
20	1	0.205
20	1.2	0.243
20	1.5	0.295
20	2	0.389
25	1.5	0.38
25	2	0.497
25	3	0.712
30	1.5	0.44
30	2	0.605
30	3	0.875
35	1.5	0.543

STRANICA /SIDE LENGTH	STIJENKA/WALL THICKNESS	KG/M
35	2	0.713
35	3	1.04
40	1	0.421
40	2	0.821
40	3	1.2
40	4	1.56
45	2	0.929
50	1.5	0.786
50	2	1.037
50	3	1.525
50	4	1.987
50	5	2.43
60	2	1.253
60	3	1.85
60	4	2.42

STRANICA /SIDE LENGTH	STIJENKA/WALL THICKNESS	KG/M
70	2	1.469
70	4	2.855
80	2	1.685
80	3	2.495
80	4	3.45
90	2.5	2.362
100	2	2.115
100	4	4.32
120	2.5	3.17
120	4	5.011
150	2.5	3.98
150	3	4.763
150	5	7.83
200	4	8.467

LIM / SHEET

DEBLJINA/ THICKNESS (MM)	1000 x 2000	1250 x 2500	1500 x 3000	1500 x 4000	2000 x 3000	2000 x 4000	2000 x 6000
0.5	2.7						
0.6	3.24						
0.7	3.8						
0.8	4.32	6.75					
1	5.4	8.44	12.15	16.2			
1.2	6.5	10.13	14.58	19.44			
1.5	8.1	12.66	18.23	23.3			
2	10.8	16.88	24.3	32.4	32.4	43.2	64.8
2.5	13.5	21.1	30.38				
3	16.2	25.32	36.45	48.6	48.6		97.2
4	21.6	33.75	48.6	64.8			129.6
5	27	42.19	60.75	81			162

Lim u kvaliteti materijala 1050,5754,6082 i 7075. /
Sheets in material grades 1050, 5754, 6082, and 7075.

ALUMINIJ / ALUMINIUM

ALUMINIJSKE PLOČE / ALUMINUM PLATES

DEBLJINA/ THICKNESS (MM)	1000 x 2000	1250 x 2500	1500 x 3000	1520 x 4000	1520 x 3020	1270 x 2570	1020 x 2020
5	27	42.19	60.75				27.82
6	34.2	50.63	72.9				33.39
8	43.2	67.5	97.2		99.15		44.5
10	54	84.38	121.5		123.94		55.63
12	64.8	101.25	145.8		148.73		66.75
15	81	126.57	182.25	244.5	185.9	129.62	83.45
20	108	168.76	243	330.8	247.88	172.82	111.26
25		210.95	303.75	412.2	309.85	216.03	139.8
30		253.14	364.5	489.8	371.82	259.23	166.89
35				575.5	433.79		194.7
40				656.7	495.76		222.52
45					557.73		
50				820.8	619.7		
60				984.9	743.64		

Aluminijske ploče u kvaliteti materijala **5083, 5754, 6082, 7075**, po narudžbi moguće i **2017**. Mogućnost rezanja u traženim dimenzijama.

*Aluminum plates in material grades **5083, 5754, 6082, and 7075; 2017** also available upon request. Cutting to required dimensions available.*

REBRASTI LIM / CORRUGATED SHEET

DEBLJINA/ THICKNESS (MM)	1000 x 2000	1250 x 2500	1500 x 3000
2/3	12.8	19.85	29.3
3/4	18.1	28.2	40.7
4/5	23.4	36.5	52.7
5/6	29.4	45	65
8/9	46.4	70	

Rebrasti lim u kvaliteti materijala **5754**. /
*Chequered sheet in material grade **5754**.*



ALFES

OBOJENI METALI