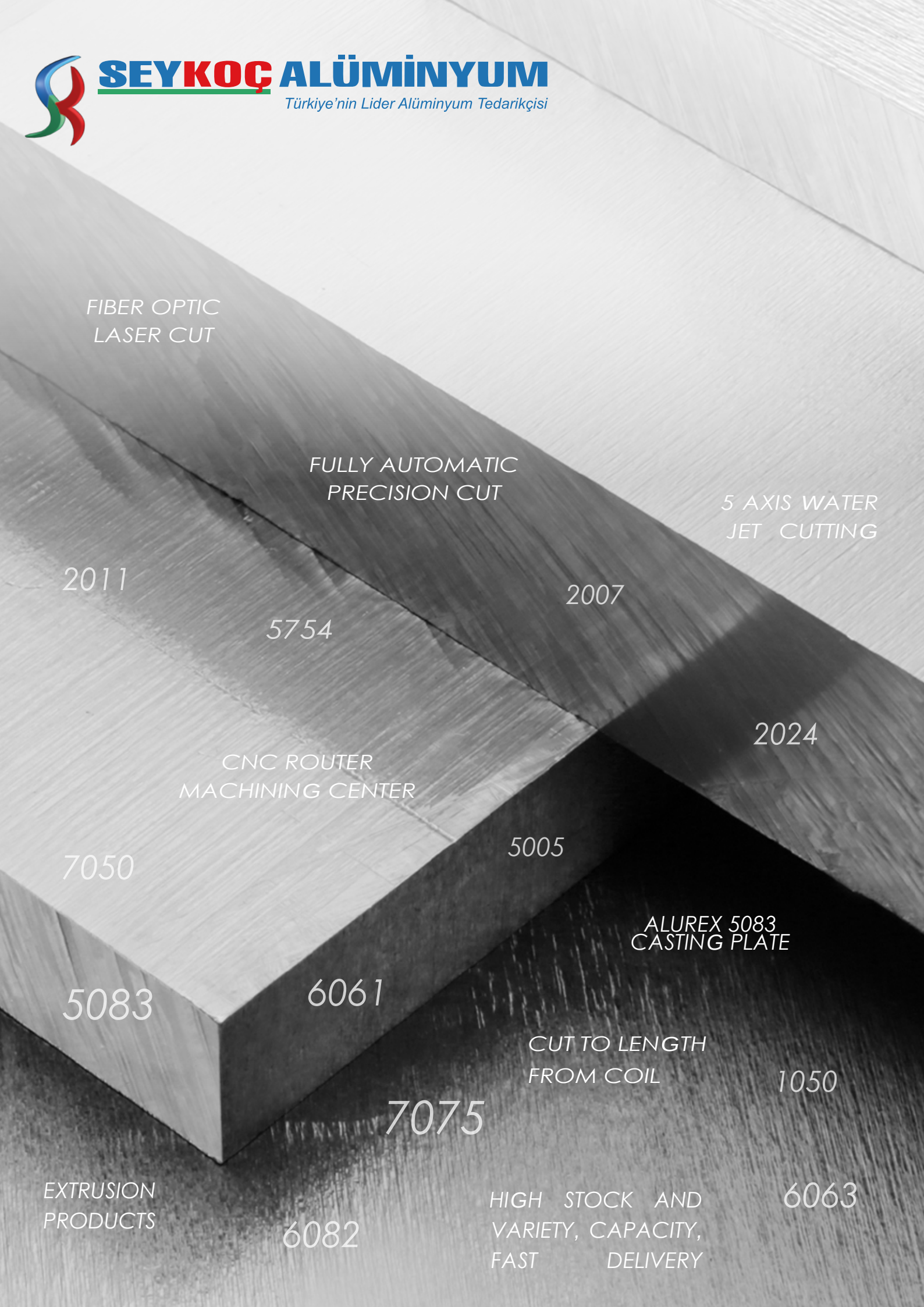
SEYKOÇ ALÜMİNYUM
Türkiye'nin Lider Alüminyum Tedarikçisi
FIBER OPTIC
LASER CUT
FULLY AUTOMATIC
PRECISION CUT
5 AXIS WATER
JET CUTTING
2011
2007
5754
2024
CNC ROUTER
MACHINING CENTER
5005
7050
ALUREX 5083
CASTING PLATE
5083
6061
CUT TO LENGTH
FROM COIL
1050
7075
EXTRUSION
PRODUCTS
6063
6082
HIGH STOCK AND
VARIETY, CAPACITY,
FAST DELIVERY

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Seykoç Çayırova

Seykoç Ankara


Value added production
Workshop Şekerpınar

SEYKOÇ ALÜMİNYUM

Türkiye'nin Lider Alüminyum Tedarikçisi

Established in 2004 in Istanbul, Seykoç Aluminium has become one of the leading companies in Turkey's alloy aluminium sector in a short time.

Seykoç Aluminium has a total installed area of 30.000 m2 as Kocaeli Çayırova Factory, Kocaeli Şekerpınar production centre and Ankara Sincan factory.

Seykoç has an effective sales network in five (5) regional points, namely Thrace, Bursa, Izmir, Konya and Adana.

It has a wide and technological machinery workshop with Precision / Automatic Plate and Bar Cutting Machines, 5 axis Water Jet, 3 axis CNC Router, Fiber Optic Laser Cutting Machines and Heat Treatment Facilities. It is Turkey's leading aluminium supplier with its high amount of alloy aluminium stock and wide product range.

It produces Alurex 5083 Casting Plate, which is its own patented product.

With AS 9120B and ISO 9001 Quality Management System Certificates and advanced ERP infrastructure, it ensures 100% traceability of all processes and products.

Seykoç is the supplier of Alloy Aluminium to many leading and strategically located cooperate companies in our country.

2004
Seykoç Aluminium was established in İmes industrial site.

2006
Ikitelli branch started its operations

2007
Ankara Ostim branch started its operations.

2008
"Aluminium Service Centre" started its operations in Dudullu O.S.B.

2009
Izmir branch started its operations.

2010
2 fully automatic precision cutting machines were invested.

2011
TSE-EN ISO 9001:2008 Quality Management System certificate was obtained. "Aluminium Service Centre Project" with a closed area of 6,500 m2 started in Gebze.

2013
6,500 m2 closed in Gebze The project of Aluminium Service Centre with an area of Aluminium Service Centre was completed and Seykoç "ALUMINIUM SERVICE CENTRE" became operational.

2017
AS 9120 B certificate was obtained for the Aviation Sector.

2018
Aluminium 5083 Casting Plate production started with Alurex brand. New service centre in Ankara Sincan OSB started its operations.

2019
5 axis water jet machine investment. 3 CNC machining machines were invested

2020
Extrusion, 2 fully automatic precision cutting machine investments and Router machine investments were made.

2021
Homogenisation furnace investment has been made.

2023
Fibre Optic Laser Cutting machine investment was made.

2024
Sakarya - "Turkey's Largest Aluminium Service Centre" investment in Kaynarcada.

Past to Future

MOVING FORWARD WITH CONFIDENCE

Supply Chain And Traceability

Seykoç Alumium has ISO 9001:2015 and AS9120 B quality system certificates. Both the operation processes and product traceability of the products supplied in line with customer requests and standards are provided through 100% ERP System.

Class Certificates, Quality Certificates of the supplied products and all relevant documents are delivered in full, product verification is provided.

NO MORE DOUBTS

AS 9120B
Quality Management Systems
(Requirements for Aviation, Space, and Defense Distributors)







Alloy	Mg	Mn	Fe	Si	Cu	Zn	Cr	Ti	Bi	Ni	Pb	Zr	Other
1050A / Al99,5	<0.05	<0.05	<0.40	<0.25	<0.05	<0.07	-	<0.05	-	-	-	-	-
1200 / Al99	-	<0.05		-	<0.05	<0.10	-	<0.05	-	-	-	-	<0.15
2007 / AlCuMgPb	0.40-1.8	0.50-1.0	<0.8	<0.8	3.3-4.6	<0.8	<0.10	<0.20	<0.20	<0.20	0.8-1.5	-	<0.30
2011 / AlCuBiPb	-	-	<0.7	<0.40	5.0-6.0	<0.30	-	-	0.20-0.6	-	0.20-0.6	-	<0.15
2014 / AlCuSiMn	0.20-0.8	0.40-1.2	<0.7	0.50-1.2	3.9-5.0	<0.25	<0.10	<0.15	-	-	-	-	<0.15
2017A / AlCuMg1	0.40-1.0	0.40-1.0	<0.7	0.20-0.8	3.5-4.5	<0.25	<0.10	-	-	-	-	-	<0.15
2024 / AlCuMg2	1.2-1.8	0.30-0.9	<0.50	<0.50	3.8-4.9	<0.25	<0.10	<0.15	-	-	0.8-1.5	-	<0.15
2030 / (AlCuMgPb)	0.50-1.3	0.20-1.0	<0.7	<0.8	3.3-4.5	<0.50	<0.10	<0.20	<0.20	<0.20	-	-	<0.30
3003 / AlMnCu	-	1.0-1.5	<0.7	<0.6	0.05-0.20	<0.10	-	-	-	-	-	-	<0.15
3004 / Al Mn1Mg1	0.8-1.3	1.0-1.5	<0.7	<0.30	<0.25	<0.25	-	-	-	-	-	-	<0.15
3005 / Al Mn1Mg0.5	0.20-0.6	1.0-1.5	<0.7	<0.6	<0.30	<0.25	<0.10	<0.10	-	-	-	-	<0.15
3103 / AlMn1	<0.30	0.9-1.5	<0.7	<0.50	<0.10	<0.20	<0.10	-	-	-	-	-	<0.15
3105 / Al Mn0,5Mg0,5	0.20-0.8	0.30-0.8	<0.7	<0.6	<0.30	<0.40	<0.20	<0.10	-	-	-	-	<0.15
5005 / (AlMg1)	0.50-1.1	<0.20	<0.7	<0.30	<0.20	<0.25	<0.10	-	-	-	-	-	<0.15
5005A / AlMg1	0.7-1.1	<0.15	<0.45	<0.30	<0.05	<0.20	<0.10	-	-	-	-	-	<0.15
5049 / Al Mg2Mn0,8	1.6-2.5	0.5-1.1	<0.50	<0.40	<0.10	<0.20	<0.30	<0.1	-	-	-	-	<0.15
5052 / AlMg2,5	2.2-2.8	<0.10	<0.40	<0.25	<0.10	<0.10	0.15-0.35	-	-	-	-	-	<0.15
5083 / AlMg4,5Mn	4.0-4.9	0.40-1.0	<0.40	<0.40	<0.10	<0.25	0.05-0.25	<0.15	-	-	-	-	<0.15
5086 / AlMg4Mn	3.5-4.5	0.20-0.7	<0.50	<0.40	<0.10	<0.25	0.05-0.25	<0.15	-	-	-	-	<0.15
5154A	3.1-3.9	<0.50	<0.50	<0.50	<0.10	<0.20	<0.25	<0.20	-	-	-	-	<0.15
5182 / Al Mg5Mn	4.0-5.0	0.20-0.50	<0.35	<0.20	<0.15	<0.25	<0.10	<0.10	-	-	-	-	<0.15
5251 / AlMg2Mn0,3	1.7-2.4	0.10-0.50	<0.50	<0.40	<0.15	<0.15	<0.15	<0.15	-	-	-	-	<0.15
5454 / AlMg2,7Mn	2.4-3.0	0.50-1.0	<0.40	<0.25	<0.10	<0.25	0.05-0.20	<0.20	-	-	-	-	<0.15
5754 / AlMg3	2.6-3.6	<0.50	<0.40	<0.40	<0.10	<0.20	<0.30	<0.15	-	-	-	-	<0.15
6005A / AlMgSi0.7	0.40-0.7	<0.50	<0.35	0.50-0.9	<0.30	<0.20	<0.30	<0.10	-	-	-	-	<0.15
6016	0.25-0.6	<0.20	<0.50	1.0-1.5	<0.20	<0.20	<0.1	<0.15	-	-	-	-	<0.15
6060 / AlMgSi0.5	0.35-0.6	<0.10	0.10-0.30	0.30-0.6	<0.10	<0.15	<0.05	<0.10	-	-	-	-	<0.15
6061 / AlMg1SiCu	0.8-1.2	<0.15	<0.7	0.40-0.8	0.15-0.40	<0.25	0.04-0.35	<0.15	-	-	-	-	<0.15
6063 / (AlMgSi0,5)	0.45-0.9	<0.10	<0.35	0.20-0.6	<0.10	<0.10	<0.10	<0.10	-	-	-	-	<0.15
6082 / AlMgSi1	0.6-1.2	0.40-1.0	<0.50	0.7-1.3	<0.10	<0.20	<0.25	<0.10	-	-	-	0.04-0.35	<0.15
6106	0.40-0.8	0.05-0.20	<0.35	0.30-0.6	<0.25	<0.15	<0.20	<0.10	-	-	-	<0.10	<0.15
7010	2.1-2.6	<0.10	<0.15	<0.12	1.5-2.0	5.7-6.7	<0.05	<0.06	-	-	-	-	<0.15
7020 / AlZn4,5Mg1	1.0-1.4	0.05-0.50	<0.40	<0.35	<0.20	4.0-5.0	0.10-0.35	-	-	-	-	-	<0.15
7050 / AlZn6CuMgZr	1.9 - 2.6	< 0.10	< 0.15	< 0.12	2.0 - 2.60	5.7-6.7	< 0.04	<0.06	-	-	-	0.08-0.15	<0.15
7075 AlZnMgCu1.5	2.1-2.9	<0.30	<0.50	<0.40	1.2-2.0	5.1-6.1	0.18-0.28	<0.20	-	-	-	<0.15	<0.15
Hokotol	1.8-2.6	< 0.1	< 0.3	< 0.2	0.6-1.5	5.7-7.6	< 0.1	< 0.06	-	-	-	0.08-0.25	<0.15

STANDART DEFINITIONS

EN Standarts

Material	Chemical Composition	Mechanical Properties	Tolerance and Geometry
Rod	EN 573-3	EN 755- 2	EN 755-3
Square	EN 573-3	EN 755- 2	EN 755-4
Rectanglar	EN 573-3	EN 755- 2	EN 755-5
Tube	EN 573-3	EN 755- 2	EN 755-7 / 8
Profie	EN 573-3	EN 755- 2	EN 755-9
Sheet/Plate (5000 Serious)	EN 573-3	EN 485-2	EN 485-3 /4
Sheet/Plates (2000, 6000, 7000)	EN 573-3	EN 485-2	EN 485-3 / 4

ASTM Standarts

Material	Chemical Composition	Mechanical Properties	Tolerance and Geometry
Rod	ASTM B221-08	ASTM B221-08	ASTM B221-08
Square	ASTM B221-08	ASTM B221-08	ASTM B221-08
Rectanglar	ASTM B221-08	ASTM B221-08	ASTM B221-08
Tube	ASTM B241-02	ASTM B241-02	ASTM B241-02
Forged Bars and Plates	ASTM B247-02a	ASTM B247-02a	ASTM B247-02a
sheet	ASTM B209-07	ASTM B209-07	ASTM B209-07

AMS-QQ-A Standarts

Malzeme	Kimyasal Bileşim	Mekanik Özellikler	Tolerans ve Geometri
Çubuklar, kareler, dikdörtgenler (2024 Serisi)	AMS-QQ-A-200/3	AMS-QQ-A-200/3	AMS-QQ-A-200/3
Çubuklar, kareler, dikdörtgenler (6061 Serisi)	AMS-QQ-A-200/8	AMS-QQ-A-200/8	AMS-QQ-A-200/8
Çubuklar, kareler, dikdörtgenler (7075 Serisi)	AMS-QQ-A-200/11	AMS-QQ-A-200/11	AMS-QQ-A-200/11
Levhalar (2024 Serisi)	AMS-QQ-A-250/4A	AMS-QQ-A-250/4A	AMS-QQ-A-250/4A
Levhalar (5083 Serisi)	AMS-QQ-A-250/6	AMS-QQ-A-250/6	AMS-QQ-A-250/6
Levhalar (6061 Serisi)	AMS-QQ-A-250/11	AMS-QQ-A-250/11	AMS-QQ-A-250/11
Levhalar (7075 Serisi)	AMS-QQ-A-250/12	AMS-QQ-A-250/12	AMS-QQ-A-250/12

Malzeme	Standart
Levhalar (7050) T7451	AMS4050H
Levhalar (7050) T7651	AMS4201E
Levhalar (7475) T7351	AMS4202D

The Effect of Elements on Alloys

	Fe	Si	Mg	Mn	Cu	Zn	Ti	Cr	Ni	Li	Zr	V	Sn	B	Bi	Pb
Yoğunluk	↑	↓	↓	↑	↑	↑	↑	↑	↑	↓	↑	↑	↑	↓	↑	↑
Akışkanlık	↓	↑	↑	↓	↓	-	↓	-	-	-	-	-	-	-	-	-
Sertlik	↑	↑	↑	↑↑	↑↑↑	↑↑↑	↑	↑	-	-	-	-	-	-	-	-
Mukavemet	↑	↑	↑	↑	↑↑	↑↑↑	↑↑	-	↑	-	-	-	↑	↑	-	-
Elek. İletkenliği	↓	↓↓	↓↓	↓↓↓	↓↓	↓	↓↓↓	↓↓↓	↓	↓↓↓↓	↓↓	↓↓	-	↑↑↑	-	-
Korozyon Dayanımı	-	↑	↑↑↑	↑↑	↓	↓	-	-	-	-	-	-	↓	-	↓	↓
Isıl Genleşme Katsayısı	-	↓	↓	↓	↓	↑	↓	↓	↓	-	↓	↓	-	-	-	-

HEAT TREATMENT SYMBOLS

Temper	Definition
F	As manufactured: This designation applies to products of forming processes where no special control is applied to the thermal conditions or cold forming hardening.
0	Annealed: This designation applies to products annealed to obtain the lowest strength tempers. "O" may be followed by a digit other than zero (1).
H	Hardened by Cold Forming: This designation applies to products which are subjected to cold working after annealing (or after hot forming) or to a combination of cold working and partial annealing or equalisation to provide the specified mechanical properties. At least two digits follow the letter H. The first digit indicates the type of heat treatment and the second digit indicates the degree of cold forming hardening. (In some cases a third digit is used to describe special process techniques.
H12	Cold-forming hardened - ¼
H14	Cold-forming hardened - 1/2
H16	Cold-forming hardened -3/4
H18	sertleştirilmis Cold-forming hardened - 4/4
	H19 Cold forming hardened extra hard
H111	Annealed and slightly cold-forming hardened (H less than 11) during operations such as stretching or straightening
H112	SSlightly cold-forming hardening from a limited cold working (mechanical property limits determined) or from an elevated temperature treatment
H22	Cold-forming hardened and partially annealed-1/4 hardened tavlanmış -¼ sert
H24	Cold-forming hardened and partially annealed 1/2 hardened tavlanmış -½ sert
H26	Cold-forming hardened and partially annealed 3/4 tavlanmış -¾ sert
H28	hardened Soğuk biçimlendirme sertleşmesi yapılmış ve kısmen Cold-forming hardened and partially annealed 1hardened
H32	sert Cold forming hardened and stabilised -1/4 hard
H34	Cold forming hardened and stabilised 1/2 hard -¼
H36	sert Cold forming hardened and stabilised -¾ hard sert
H38	Soğuk biçimlendirme sertleşmesi yapılmış ve dengelenmiş -1 sert (tam sertleştirilmiş)
H42	Cold forming hardened and painted and lacquered-1/4 hard boyanmış ve laklanmış -¼ sert
H44	Cold forming hardened and painted and lacquered-1/2 hard sert
H46	Cold forming hardened and painted and lacquered-3/4 hard laklanmış -¾ sert
H48	Cold forming hardened and painted and lacquered-4/4 hard laklanmış 4/4 sert (tam sertleştirilmiş)
T3	The solution is heat treated, cold worked and naturally aged yaşlanmış
T4	Solution heat-treated and naturally aged

Temper	Definition
T6	Solution heat treated and artificially aged
T351	Solution heat-treated, stress relieved by a controlled amount of stretching (0,5-3 % for continuous set sheets, 1,5-3 % for plates, 1-3 % for rolled or cold worked bar, 1-5 % for hand or ring forged and rolled ring) and naturally aged products shall not be further corrected after stretching.
T451	Solution heat-treated, stress relieved by a controlled amount of stretching (0.5-3 per cent for continuous set sheets, 1.5-3 per cent for plates, 1-3 per cent for rolled or cold-worked bar, 1-5 per cent for hand forged or ring forged and rolled ring) and naturally aged. The finished products shall not be further corrected after stretching.
T651	The solution is heat-treated, stress relieved by a controlled amount of stretching (0,5-3% for continuously set lamellas, 1,5-3% for plates, 1-3% for rolled or cold worked bar, 1-5% for hand forged or ring forged and rolled ring) and artificially aged. Finished products shall not be further corrected after stretching
T7351	Solution heat-treated, stress relieved by a controlled amount of stretching (0.5-3% for continuous set sheets, 1.5-3% for plates, 1-3% for rolled or cold worked bar, 1-3% for hand forged or ring forged and rolled ring, 1-5% for rolled ring) and artificially over-aged to obtain the best stress corrosion resistance. No further post-stretching correction is applied to the finished products.
T7451	Solution heat treated, stress relieved by a controlled amount of stretching (0.5-3% for continuous set sheets, 1.5-3% for plates, 1-3% for rolled or cold worked bar, 1-3% for hand forgings or ring forgings and 1-5% for rolled rings) and then artificially over-aged (between T73 and T76).

1xxx Alloys

ALLOY	Temper	Thickness Range (mm)	Width Range (mm)	Lenght Range (mm)	Hardness (HB)
1050	HX2, HX4, HX6	0.5 - 12.5	1,000-1,540	2,500-4,000	20
		12.5 - 20.0	1,000-1,540	2,000-6,000	24
		20 - 40.0	1,000-1,540	2,000-8,000	29
	HX8, HX9	0,5 - 12.5	1,000-1,540	2,500-4,000	35
		12.5 - 20.0	1,000-1,540	2,000-6,000	39
		20.0 - 40.0	1,000-1,540	2,000-8,000	45

2xxx Alloys

ALLOY	Temper	Thickness Range (mm)	Width Range (mm)	Lenght Range (mm)	Hardness (HB)
2014	T4, T451	0.5 - 12.5	1,000-1,540	2,500-4,000	112
		12.5 - 40.0	1,000-1,540	2,000-6,000	112
		40.0 - 100.0	1,000-1,540	2,000-8,000	111
	T651	0,5 - 12.5	1,000-1,540	2,500-4,000	135
		12.5 - 40.0	1,000-1,540	2,000-6,000	138
		40.0 - 60.0	1,000-1,540	2,000-8,000	135
		60.0 - 80.0	1,000-1,540	2,000-8,000	131
		80.0 - 100.0	1,000-1,540	2,000-8,000	126
		100.0 - 120.0	1,000-1,540	2,000-7,000	123
2017 A	T4, T451	0.5 - 12.5	1,000-1,540	2,000-4,000	111
		12.5 - 40.0	1,000-1,540	2,000-6,000	110
		40.0 - 60.0	1,000-1,540	2,000-7,500	108
		60.0 - 80.0	1,000-1,540	2,000-7,500	105
		80.0 - 120.0	1,000-1,540	2,000-5,000	105
		120-130	1,000-1,540	2,000-5,000	101
2024	T3, T351	0.5 - 12.5	1,000-1,540	2,000-4,000	124
		12.5 - 40.0	1,000-1,540	2,000-6,000	122
		40.0 - 80.0	1,000-1,540	2,000-8,000	120
		80.0 - 100.0	1,000-1,300	2,000-7,500	115
		100.0 - 120.0	1,000-1,300	2,000-6,000	110
		120.0 - 130.0	1,000-1,300	2,000-5,000	104

5xxx Alloys

ALLOY	Temper	Thickness Range (mm)	Witdh Range (mm)	Lenght Range (mm)	Hardness (HB)
5083	O, H111	2.0 - 20	1,000-3,000	2,500-4,000	75
	O, H111	20.0 - 50.0	1,000-3,000	2,500-4,000	75
	H321	12.5 - 50.0	1,000-3,000	2,000-6,000	89
	O, H111, H321	50.0 - 80.0	1,000-3,000	2,000-8,000	73
		80.0 - 120.0	1,000-3,000	2,500-7,000	70
		120.0 - 300.0	1,000-3,000	2,000-4,000	69
5186 5182	F	12.0 - 50.0	1,000-3,000	2,000-6,000	-
		50.0 - 152.0	1,000-3,000	2,000-4,000	-
	O, H111 O, H111	4.0 - 12.5	1,000-3,300	2,000-12,000	65
		4.0 - 12.5	1,000-3,300	2,000-12,000	65
5754	O, H111 H22, HX4	0.5 - 10.0	1,000-3,000	2,000-4,000	52
		10.0 - 12.5	1,000-3,000	2,000-6,000	52
		12.5 - 50.0	1,000-3,000	2,000-8,000	52
		50.0 - 80.0	1,000-3,000	2,000-7,000	52
		80.0 - 152.0	1,000-3,000	2,000-4,000	52

6xxx Alloys

ALLOY	Temper	Thickness Range (mm)	Witdh Range (mm)	Lenght Range (mm))	Hardness (HB
6061	T6, T651	1.0 - 10.0	1,000-2,000	2,500-4,000	88
	T651	10.0 - 12.5	1,000-2,000	2,000-6,000	88
		12.5 - 40.0	1,000-2,000	2,000-6,000	88
		40.0 - 80.0	1,000-2,000	2,500-8,000	88
	T6, T651	80.0 - 100.0	1,000-2,000	2,000-7,500	88
		100.0 - 250.0	1,000-2,000	2,000-5,000	84
6082	T6, T651 T651	1.0 - 6.0	1,000-1,540	2,000-4,000	94
		6.0 - 12.5	1,000-1,540	2,000-6,000	91
		12.5 - 60.0	1,000-1,540	2,000-6,000	89
	T6, T651	60.0 - 100.0	1,000-1,540	2,000-7,500	89
		100.0 - 150.0	1,000-1,540	2,000-5,000	84
		150.0 - 250.0	1,000-1,540	2,000-5,000	83

7xxx Alloys

ALLOY	Temper	Thickness Range (mm)	Width Range (mm)	Lenght Range (mm)	Hardness (HB)
7050	T7451	20.0 - 100.0	1,000-1,300	2,000-4,000	163
		2.0 - 12.5	1,000-2,000	2,000-4,000	
	T6, T651	12.5 - 25.0	1,000-2,000	2,000-8,000	161
		25.0 - 50.0	1,000-2,000	2,500-8,000	158
		50.0 - 60.0	1,000-2,000	2,500-8,000	155
		60.0 - 80.0	1,000-2,000	2,000-7,000	147
		80.0 - 90.0	1,000-2,000	2,000-6,000	144
		90 - 100.0	1,000-2,000	2,000-5,000	135
7075	T7351	6.0 - 12.5	1,000-2,000	2,000-4,000	140
		12.5 - 25.0	1,000-2,000	2,000-8,000	140
		25.0 - 50.0	1,000-2,000	2,000-8,000	140
		50.0 - 60.0	1,000-2,000	2,000-8,000	133
		60.0 - 80.0	1,000-2,000	2,000-7,000	129
		80.0 - 100.0	1,000-2,000	2,000-5,000	126
	T7651	6.0 - 12.5	1,000-2,000	2,000-4,000	146

According to the specified standards of the products that we supply, Product verification is ensured by performing 100% "Incoming Quality Control" tests.

Five Bar Patterned/ Quintet

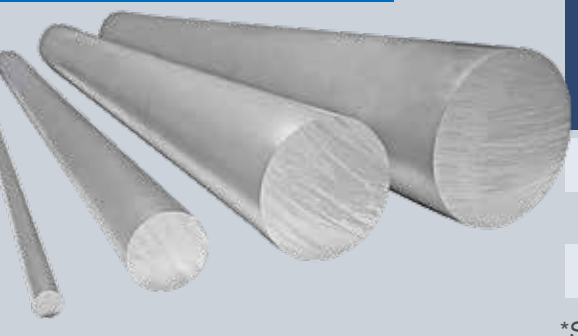
Tear Patterned

Diamond Patterned

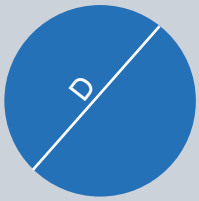
Tread Plate Alloys

ALLOY	Temper	Thickness (Range mm)	Width Range (mm)	Length Range (mm)
1050	H18	1.5 - 2.5	1.000-2.000	2,000-6,000
		2.0 - 3.0	1.000-2.000	2,000-6,000
		2.5 - 3.5	1.000-2.000	2,000-6,000
		3.5 - 4.0	1.000-2.000	2,000-6,000
		4.0 - 5.0	1.000-2.000	2,000-6,000
5754	H114	1.5 - 2.5	1.000-2.000	2,000-6,000
		3.5 - 5.0	1.000-2.000	2,000-6,000
		5.0 - 6.5	1.000-2.000	2,000-6,000
		8 - 9.5	1.000-2.000	2,000-6,000

ALUMINIUM RODS



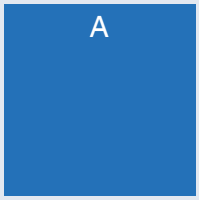
ALLOY	Thickness Range (mm)	Length Range (mm)
2xxx	8.0 - 450	1,000 - 3,000
6xxx	6.0 - 533	1,000 - 3,000
7xxx	8.0 - 508	1,000 - 3,000



*Special sizes can be produced according to customer request.

SQUARE BARS

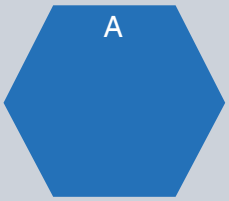
Alloy	Width Range (mm)	Length Range (mm)
2xxx	8 - 80	3,000 - 3,000
6xxx	8 - 80	3,000 - 3,000
7xxx	8 - 80	3,000 - 3,000



*Special sizes can be produced according to customer request.

HEXAGONAL BARS

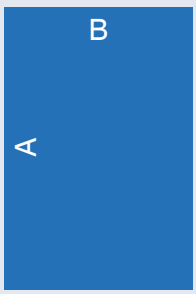
Alloy	Width Range (mm)	Length Range (mm)
2xxx	12 - 304,8	1,000 - 3,000
5xxx	10 - 50	1,000 - 3,000
6xxx	12 - 406,4	1,000 - 3,000
7xxx	12 - 304,8	1,000 - 3,000



*Special sizes can be produced according to customer request.

FLAT BARS

Alloy	Thickness Range (mm)	Width Range (mm)	Length Range (mm)
2xxx	20.0 - 480.0	5 - 400.0	1,000 - 3,000
6xxx	20.0 - 480.0	5 - 400.0	1,000 - 3,000
7xxx	20.0 - 480.0	5 - 400.0	1,000 - 3,000



*Special sizes can be produced according to customer request.

PRODUCTS / EXTRUSION PRODUCTS

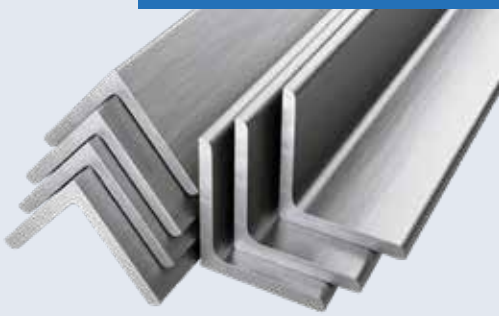
Tubes

Alloy	Wall Thickness Range(mm)	Outer Diameter mm)	Length Range (mm)
2xxx	5.0 - 80.0	25.0 - 550.0	2,000 - 6,000
6xxx	1.0 - 80.0	8.0 - 660.0	2,000 - 6,000
7xxx	5.0 - 80.0	25.0 - 550.0	2,000 - 6,000

PRODUCTS / PROFILES

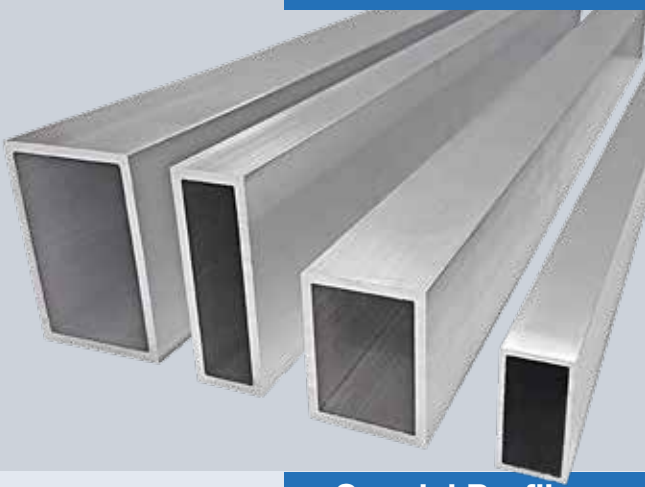
Equal Angle

6061. 6063. 6082. alloys are available in various sizes. Please contact us for dimensions.



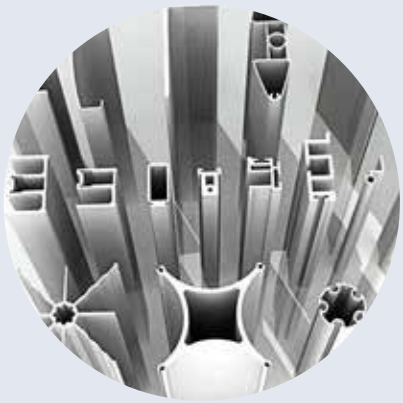
Hollow Profile

6061. 6063. 6082. alloys are available in various sizes. Please contact us for dimensions.



Special Profiles

Please contact us for your special profile (Sıgma, Dutch, Winged etc.) requests. Confidentiality based mould design service is provided in geometry suitable for your projects.



alurex®

Cast Plate

- Alurex is a brand of cast slabs with exceptional machining properties,relieved internal stress , 100% Ultasonic crack control tested, basically in accordance with EN AW-5083 requirements..

- Alurex is a product that is produced to meet the needs of many sectors, eliminates the risk of distortion after processing and is especially preferred in mould production due to these features. (thermoforming, styrofoam, plastic blow moulding, etc.)

Typical Physical Characteristics	
Density (g/m³)	2.66
Modulus of Elasticity	70000 N/m²
Thermal Conductivity	10-125 W/m*K
Coefficient of Thermal Expansion	24.2 10-6 K
Specific Heat Capacity	900 J/kg
Electrical Conductivity -	15-18 m/mm²
Surface Roughness	10-15 µm

High Physical Resistance

Features Playing a Role in Preference

- Very good workability.
- Excellent corrosion resistance.
- Good weldability.
- Low stress and dimensional stability.

Available Shapes:

Plates - Plates - Bars

Alloy	
EN AW	5083
EN AW	Al Mg4.5 Mn0.7
Former Nomenclature	Al Mg4.5 Mn
Material no. DIN Standard	DIN 3.3547

Mechanical Properties	
Tensile Strength Rm	225-285 Mpa
Yield Strength Rp 0.2	110-125 Mpa
Elongation A50	10-15

Chemical Composition (EN 573-3)

Other Components in Relation to Aluminium (%)												Other	
Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	Note	İndividual	Tolal
0.4	0.4	0.1	0.1-1.0	4.0 - 4.9	0.05 - 0.25	-	0.15	0.15	-	-	-	0.05	0.15

Excellent Quality

Casting Plates

ALLOYS SUITABLE FOR MARINE INDUSTRY

In marine vehicles, especially in boats, aluminium superstructure systems lower the centre of gravity, thereby increasing the stability of the boat and providing more usable volume. The lower hulls, upper hulls and sail masts of small boats and yachts are made of aluminium. Aluminium alloys used in shipbuilding are known as marine aluminium alloys and are classified, inspected and documented by class rules like steel materials. The most important feature of aluminium is that its density is about one third of that of steel, although it has almost the same yield stress. However, since the buckling strength of aluminium is lower than that of steel, aluminium structures weigh about half of the equivalent steel structure.

All products supplied for the Marine Industry are approved by the following Class organisations.

Lloyd's Register Marine

ABS FOUNDED 1862

DNV

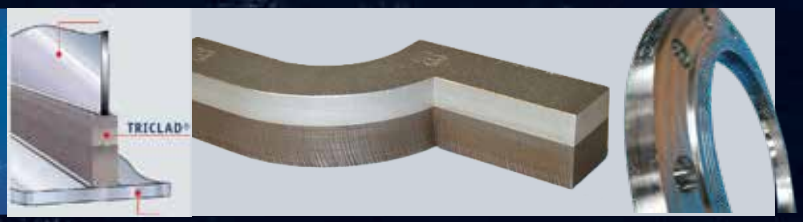
RINA 1861

CERTIFICAZIONE DI PRODOTTO BUREAU VERITAS Certification

CER TIFIED ALLO YS

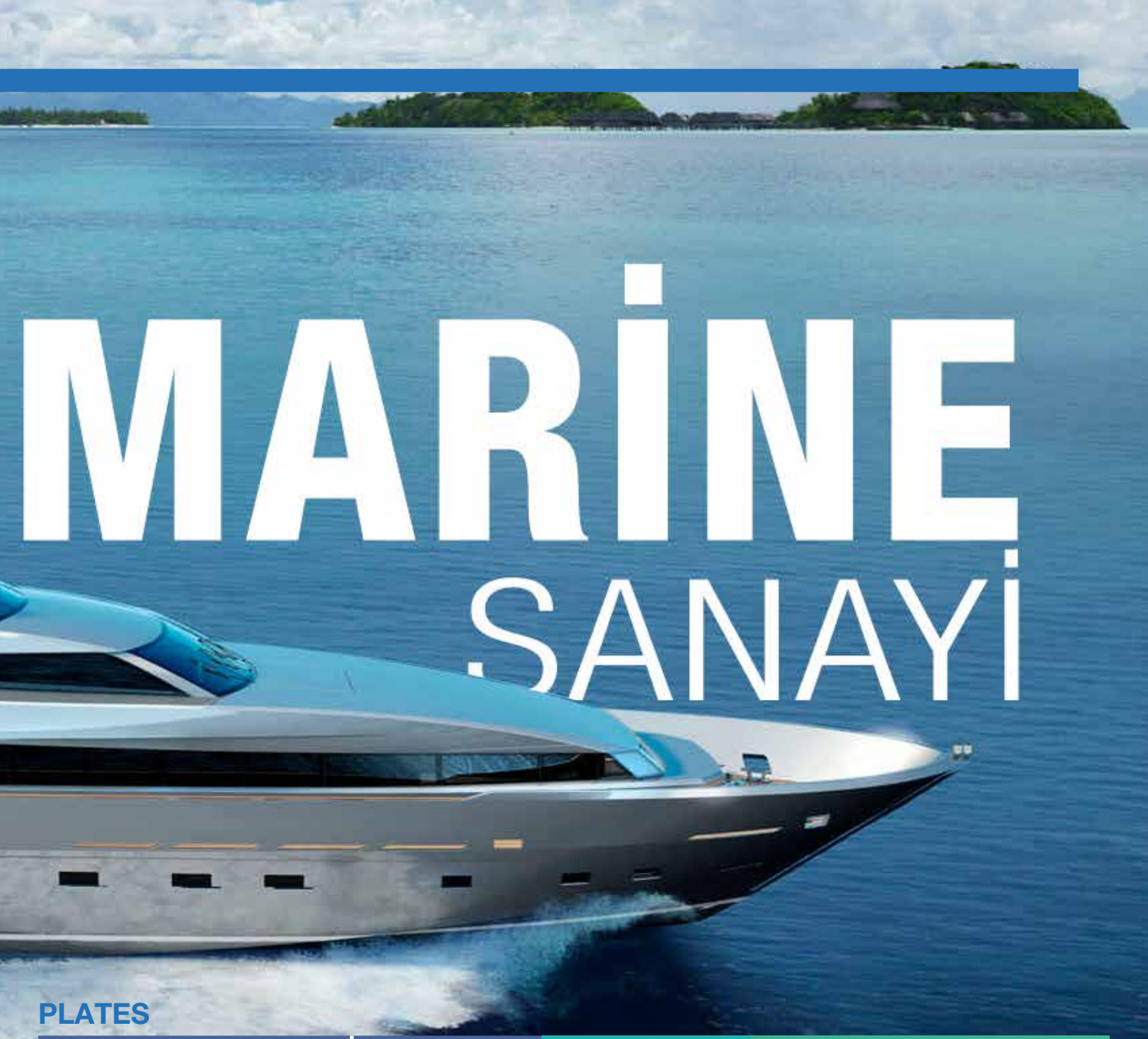
Triplate® TRICLAD®

Strip Width	:	Variable
Strip Length	:	Maximum 3800 mm
Standard Strip Thickness	:	24 mm or 34 mm



Profiller : Kutu Profil - Köşebent - Borular - Özel Profiller - Hollanda Profili

Bağlantı Elemanları (Fittings) : Dirsekler - Flanş



MARİNE SANAYİ

PLATES

Alloy	Temper	Thickness	Diamensions
5754 (AlMg3)	H111-H22	3 mm - 8 mm	2000 x 6000mm 2000 x 8000mm
5083 (Almg4.5)	H111-H116-H321	10 mm - 40 mm	

TREAD PLATES

Alloy	Temper	Thickness	Diamensions
1050	H18	2 mm - 6 mm	2000 x 6000mm 2000 x 8000mm
5754	H114		

BARS

Alloy	Temper	Diameter	Length
5754 - 5083	H112	10 mm - 508 mm	3000mm
6082 - 6063	T6 / T651		

HAVACILIK SANAYİ

PLATES

Alloy	Temper	Thickness	Diamensions
2024 (AlCu4Mg)	T3 - T351	0.5 mm - 300 mm	1000 x 2000 mm 2000 x 6000 mm
6061 (AlMg1SiCu)	T6 - T651		
6082 (AlSi1MgMn)	T6 - T651		
7050 (AlZn6CuMgZr)	T7351 - T7451 - T7651		
7075 (AlZn5,5MgCu)	T6 - T651		

BARS

Alloy	Temper	Diameter	Length
2024 (AlCu4Mg)	F - T6	10 mm - 508 mm	3000 mm
2024 (AlCu4Mg)	T3 - T3510 - T3511		
6061 (AlMg1SiCu)	T6 - T6510 - T6511		
6082 (AlSi1MgMn)	T6 - T6510 - T6511		
7075 (AlZn5.5MgCu)	T6 - T6510 - T6511		

Aluminium constitutes 70% of the weight of an aircraft. The light weight and strength of aluminium alloys have made the greatest contribution to the development of aircraft and thus the aviation industry. After duraluminium (aluminium-copper) alloys, the most important aircraft material in the future will be aluminium-lithium alloys. With aluminium-lithium alloys, it is possible to lighten aircraft by 15%. The importance and usage areas of aluminium in the defence industry are increasing rapidly. In external structural parts exposed to aerodynamic loads, serial alloys that provide high strength and can be heat treated are generally used. In their production, they are mostly worked in the form of plates, but parts or drafts shaped by extrusion or casting technologies are used in fuselage production.

Seykoç Aluminium has the following aluminium alloy products with high strength values which are required by the Aviation Industry in its stocks.

AMS-QQ-A Standarts

Materail	Chemical Composition	Mechanical Properties	Tolerance and Geometry
Rods, squares, rectangles (2024 Serisi)	AMS-QQ-A-200/3	AMS-QQ-A-200/3	AMS-QQ-A-200/3
Rods, squares, rectangles (6061 Serisi)	AMS-QQ-A-200/8	AMS-QQ-A-200/8	AMS-QQ-A-200/8
Rods, squares, rectangles (7075 Serisi)	AMS-QQ-A-200/11	AMS-QQ-A-200/11	AMS-QQ-A-200/11
Plates (2024 Serisi)	AMS-QQ-A-250/4A	AMS-QQ-A-250/4A	AMS-QQ-A-250/4A
Plates (5083 Serisi)	AMS-QQ-A-250/6	AMS-QQ-A-250/6	AMS-QQ-A-250/6
Plates (6061 Serisi)	AMS-QQ-A-250/11	AMS-QQ-A-250/11	AMS-QQ-A-250/11
Plates(7075 Serisi)	AMS-QQ-A-250/12	AMS-QQ-A-250/12	AMS-QQ-A-250/12

TANKER AND SİLOBAS INDUSTRY

The most important reasons for the preference of aluminum products in the Tanker and Bulk Truck industry can be listed as follows:

- Being light
- High thermal conductivity
- High corrosion resistance
- Providing aesthetic and beautiful image
- Good electrical conductivity

Seykoç Aluminum supplies newly developed 5083, 5454 and 5754 alloyed Aluminum products in accordance with ADR (Agreement on the Transport of Dangerous Goods by Road) for Tanker and Silobas body products.

Flange, Elbow, Pipe, Box Profile and all other aluminum by-products used in the construction of Tankers and Silobas are supplied.

Alloy	Temper	Thickness	Diamensions
5083 / AlMg4,5Mn	H111 - H321	0.5 mm - 30 mm	1000 x 2000 mm 2000 x 6000 mm 2500 x 8000 mm
5454 / AlMg2,7Mn	H111 - H321		
5754 / AlMg3	H111 - H22		
5182 / Al Mg4,5Mn0,4	H111		

Perfect
Welding Ability

TANKER VE SİLOBAS SANAYİ

OTOMOTİV SANAYİ

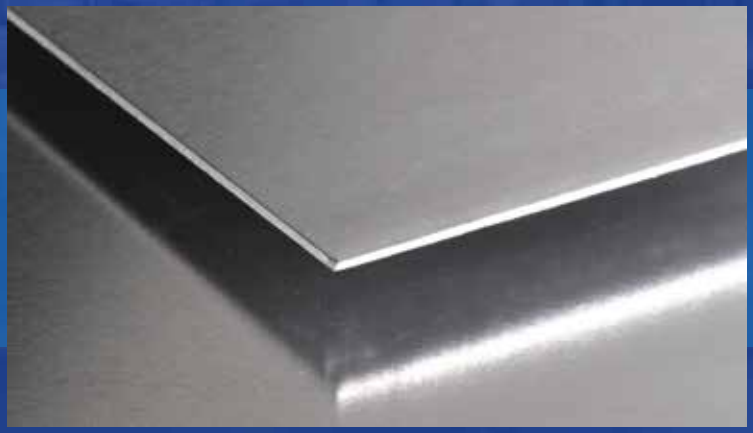
Alloy	Temper	Thickness	Diamension
5052 / AlMg2,5	H32	0.5 mm - 300 mm	1000 x 2000mm 1250 x 2500mm 1500 x 3000mm 2000 x 6000mm
5083 / AlMg4,5Mn	H111 - H321		
5182 / Al Mg4,5Mn0,4	0		
5754 / AlMg3	H111 - H22		
6061 (AlMg1SiCu)	T6 - T651		
6082 (AlSi1MgMn)	T6 - T651		
7075 (AlZn5,5MgCu)	T6 - T651		

Today, societies with especially developed energy awareness work for optimum performance and efficiency in the production of vehicles, and while doing this, they prioritize their environmental awareness. For these reasons, high strength, light and durable materials are preferred in material preference. This is where aluminum comes into play. When aluminum is used correctly
It offers maximum durability with optimum weight to its users. For this reason, the use of aluminum has become inevitable in many parts of a vehicle and continues to increase.

The most important reasons for the preference of aluminum products in the automotive industry can be listed as follows:

- Being light
- High thermal conductivity
- High corrosion resistance
- Providing aesthetic and beautiful image
- Good electrical conductivity

Seykoç Aluminum supplies durable, light and certified products in 5052 H32, 5083 H111 / H321, 5182 / 0, 5754 H111 / H22, 6061 T6 / T651, 6082 T6 / T651, 7075 T651 alloys to the automotive and automotive sub-industry.



Excellent Quality

Alloy Sheets/Plates

MAKİNE VE KALIP SANAYİ

Areas of Use :
Blow Moulds, Thermoforming Moulds, Prototype Injection Moulds, Mould Holders, Vacuum Forming Moulds. It can be used as an alternative to steel due to its high hardness in plastic injection moulds where low production quantity is aimed. High strength mechanical parts, heating plates, machine tables, tool bearings.
Properties of Moulded Aluminium:
- It has very high resistance.
- Its machinability is excellent with high hardness.
- It has excellent polishability and dimensional accuracy.

Alloys Used :

- 50830 (Alurex)
- 5083 H111 H321
- 6061 T6 / T651
- 6082 T6 / T651
- 7075 T6 / T651
- 5083 Top Plate

Perfect Machinability

APPLICATIONS

Automatic Plate Cutting

With the investment of 4 fully automated aluminium sizing machines, Seykoç Aluminium will have the chance to supply its customers with +/-0.2 mm precision in its cut products and with this machine, you will have the chance to get the product in full miter without giving any margin to your desired cut plates.
Advantages :
- Reduces production cost.
- Shortens the extra production time in over-cut products.
- Reduces labour cost.
- It puts an end to chip cost.

Rod Cutting

Seykoç Aluminium has many bar cutting machines in its machine park and cuts bars, pipes and bars with a precision of 0.5 mm.

PVC Coating

Seykoç Aluminium provides PVC coating service against possible scratches caused by cutting on sheet materials up to 6 mm in line with the needs of customers.

TECHNICAL QUALIFICATIONS

Chemical Analysis and Mechanical Tests

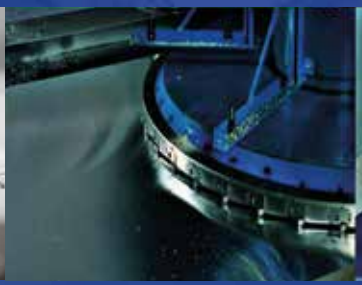
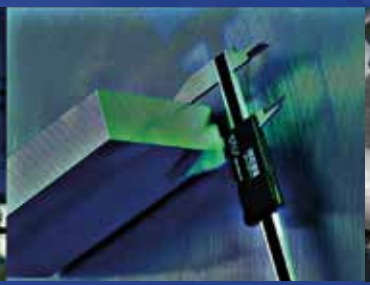
Seykoç Aluminium carries out product verification in its own laboratories by performing mechanical and chemical tests of the products it supplies with its expert engineer staff according to EN-ASTM and AMS standards.

Ultrasonic Crack Inspection Test

Seykoç Aluminium performs ASTM B594 Class A, B and C ultrasonic tests with its expert engineer staff with Level II certificate in its own laboratories.

Technical Consultancy

Seykoç Aluminium provides the highest level of technical service to its customers with its expert engineer staff.


5 EKSEN SU JETİ İLE KESİM

WITH 5 AXIS WATER JET WE LIGHTEN YOUR WORKLOAD

- Ability to make angled and non-angled cuts in the quality you want
- Advantages of high-precision cutting on shaped parts
- The most suitable manufacturing method when heat deformation is not desired

The 5-axis cutting head, which is designed to make the most precise angle cuts from 0-10 to optional 45 degrees, facilitates all the work of our customers.

Perfect Shapes

CNC ROUTER İLE KESİM AÇIMIZI DEĞİŞTİRDİK

It is a different machining workshop from its counterparts with its vacuum system special table, fast, powerful structure and industrial design, which is produced to perform simultaneous (simultaneous), interpolated cutting, grooving, helical drilling, milling, etc. processes of plates between 0-100mm thickness in 3 axes.

3 Axis CNC Router Technical Specifications	
Processing Length (X)	6400 mm (TWIN Sistem 3200mm + 3200mm Dual Zone Operation)
Processing Width (Y)	2000 mm
Machining Height (Z)	300 mm
Cutting Height (Z')	100 mm
Hole Drilling Diameter	2000 mm
Tool Changing	Automatic Linear Tool Magazine ATC (8 Tool Capacity HSK F63)
Spindle Power	Max 18 kW, 24.000 rpm
Precision Degree	Linear positioning and repetition accuracy +/-0.1 mm. Sharp corners on the inner sides have a radius as much as the router bit used in cutting. Cutting accuracy is 0.3 mm.
Automatic Tool Gauging System	Tool length measurement for tool control and precision machining automatically.

PERFECT CUTS

FİBER OPTİK

LAZER İLE KESİM

WILL ACCELERATE YOUR SPEED

- 4 axis (X,Y,U,Z) cutting capability
- 0.1 mm positioning accuracy.
- 0.5 mm repetition accuracy.

Thanks to its high acceleration capacity, the 4-axis cutting head, designed to make the most precise angle cuts up to 45 degrees, facilitates all the work of our customers.

With Industry 4.0, it provides fast and flexible solutions that provide innovation, improve processes and minimise errors by increasing productivity in enterprises.

Plate Thickenss	Width	Length
MAX 20 mm	MAX 2000 mm	MAX 6000 mm

Latest Technology

RULO BOY KESME VE DİLME

MAXIMUM EFFICIENCY WITH MINIMUM WASTE

Seykoç Aluminium's aluminium coils stocks with thicknesses between 1.00-3.00mm and widths up to 2000 mm in accordance with customer requests by processing the desired lengths and widths in line with customer requests, we end your production waste and provide maximum efficiency.

Coil Thickness	Width	Length
1 mm - 4 mm	MAX 2000 mm	MAX 6000 mm

Perfect Plates

SEYKOÇ ALÜMİNYUM

Türkiye'nin Lider Alüminyum Tedarikçisi

Factory and Headquarters

Adress: Akse Mah. 536. Sok Seykoç Apt. No:7
Çayırova/KOCAELİ
Tel: 0262 743 88 88
Fax: 0262 743 11 11
Mail: seykoc@seykoc.com.tr

Ankara Factory and Anatolia Regional Directorate

Adress: ASO 1.OSB Oğuz Cad.
No:48 Sincan/Ankara
Tel: 0312 386 08 51
Fax: 0312 386 08 54

seykocaluminyum
seykocaluminyum
seykocaluminyum
www.seykoc.com.tr

E-mail: seykoc@seykoc.com.tr
Yurt Dışı: export@seykoc.com.tr