

CERTIFIED PRODUCTS



AUTOMATED PRECISION
CUTTING SERVICES



SECTOR BASED
SPECIFIC ALLOYS



TECHNICAL
CONSULTANCY SERVICES



HIGH STOCK
CAPACITY AND
FAST PROCUREMENT



SEYKOÇALÜMİNYUM
The Leading Aluminum Supplier of Turkey

“THE LEADING ALUMINUM SUPPLIER OF TURKEY”



Founded in 2004 to be “The Leading Aluminum Supplier of Turkey”, Seykoç Aluminum obtained ISO 9001 Quality Management System Certificate and became one of the leading companies of Turkey in aluminum alloys industry.

Commissioning its factory and Head Office named “ALUMINUM SERVICE CENTER” in Çayirova/Gebze in 2013 over 6500 m2 indoor area, SEYKOÇ ALUMINUM has 6 sales centers in İstanbul European Side, Ankara, Adana, Bursa and İzmir. It stocks and sells extruded and rolling mill products from 2000, 5000, 6000 and 7000 series aluminum alloys, which are hard to acquire in Turkey and wanted for their high strength and machinability.

Seykoç Aluminum always provides the best service to its clients by continuously improving its service quality, product diversity, stock levels and machine park from the day it was founded. Main industries we serve are: Defense Industry, Automotive and sub industry, Mold and Machinery Industry, Plastic Packaging Industry, Marine and Yacht Industry, Tanker and Dry Bulk Trailer Industry.





Alloys Suitable for Marine Industry

In marine vessels, especially boats, aluminum super-structure systems are employed to lower the weight of aluminum. Aluminum alloys used in vessel construction are known as marine aluminum alloys. The main reason for this is its density which is one third of mild steel despite having the same yield stress. Aluminum alloys are certified. All Seykoç products are certified.



Lloyd's Register
Marine

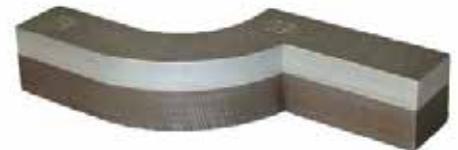


ABS[®]



Triplate[®] TRICLAD[®]

Strap Width : Varies
Strap Length : Maximum 3800 mm
Standard Strap Thickness : 28 mm or 34 mm



for the center of gravity. Lower and upper hulls and masts of small boats and yachts are made of aluminum and are classified, inspected and documented like steel. Most significant property of aluminum structures have only half the weight of equivalent steel structures.



CERTIFICAZIONE
DI PRODOTTO
BUREAU VERITAS
Certification



**CERTIFIED
ALLOYS**



PLATES

5754 (AlMg3)	H111-H22	Thickness:	0,5 mm - 80 mm
5083 (Almg4,5)	H111-H116-H321	Width & Length:	2000 x 6000 mm 2000 x 8000 mm

TREAD PLATES

1050	H14-H18	Thickness:	1,5 - 9,5 mm arası (5 Bar, 2 Bar, Diamond)
5754	H114	Width:	1000 mm - 1250 mm - 1500 mm - 2000 mm
		Length:	2500 mm - 3000 mm - 6000 mm - 8000 mm

RODS

5754 - 5083	H112	Diameter:	10 mm - 508 mm
6082 - 6063	T6	Length:	3000 mm

PROFILES: Box Profile - Angle Profile - Tubes - Special Profiles - Dutch Profiles - Flag Tube

FITTINGS : Elbows - Mech. coupling - Reduction



Alloys Suitable for Aerospace and Defense

70% of the weight of an airplane consists of aluminum. Lightweight of aluminum alloys, along with the aerospace industry. After duralumin (aluminum-copper) alloys, next most important airplane component is lighter. Importance and areas of use of aluminum in defense industry is also increasing rapidly. Various rocket or the missile and based on infrastructure or parts, aluminum and aluminum products can be produced. Heat treatable series alloys. Most of these are manufactured in sheets, however in bodyworks, parts. Aluminum alloys that have high strength values required by Turkish Defense Industry in stock.



aselsan

TAI

roketstan

TEI

FNSS | Savunma Sistemleri A.Ş.



se Industry

air durability have contributed the most to the development of airplanes, and therefore the development of
ent in the future will be aluminum lithium alloys. With aluminum lithium alloys, airplanes can become 15%
as rocket and missile systems employ varying amounts of aluminum alloys. Depending on the type of the
preferred. External structural parts that are subject to aerodynamic loads generally use high strength and
s or designs formed with extrusion or casting technologies are used. Seykoç Alüminyum keeps below



PLATES

2024 (AlCu4Mg)	T3 - T351	Thickness	: 0,5 mm - 300 mm
6061 (AlMg1SiCu)	T6 - T651	Width & Length	: 1000 x 2000 mm
6082 (AlSi1MgMn)	T6 - T651		2000 x 6000 mm
7050 (AlZn6CuMgZr)	T7351 - T7451 - T7651		
7075 (AlZn5,5MgCu)	T6 - T651		

RODS

2014 (AlCu4SiMg)	F - T6	Diameter	: 10 mm - 508 mm
2024 (AlCu4Mg)	T3 - T3510 - T3511	Length	: 3000 mm
6061 (AlMg1SiCu)	T6 - T6510 - T6511		
6082 (AlSi1MgMn)	T6 - T6510 - T6511		
7075 (AlZn5,5MgCu)	T6 - T6510 - T6511		





Automotive Tanker and Dry Bulk Trailer Industry

Considering detail manufacture phases such as easy application, mechanical loads it will be subject to during its life cycle, paint and corrosion, aluminum casting, extrusion and sheets can be found in any and all parts of a vehicle. Aluminum alloy use in trunk and hood production is regular practice for some models of any manufacturer.

In order to increase load capacity, many trucks beds and tanker trailers are also produced from 5083, 5182 and 5454 aluminum alloys.

Most important reasons aluminum alloys are preferred in automotive industry can be listed:

1. Lightweight,
2. High heat conductivity,
3. High corrosion resistance,
4. Aesthetic and beautiful looks
5. Good electric conductivity

Seykoç Aluminum supplies 5454, 5182 and 5186 Aluminum alloy products developed in accordance with ADR (Agreement concerning the International Carriage of Dangerous Goods by Road) in tanker and dry bulk trailers.

Die Aluminum

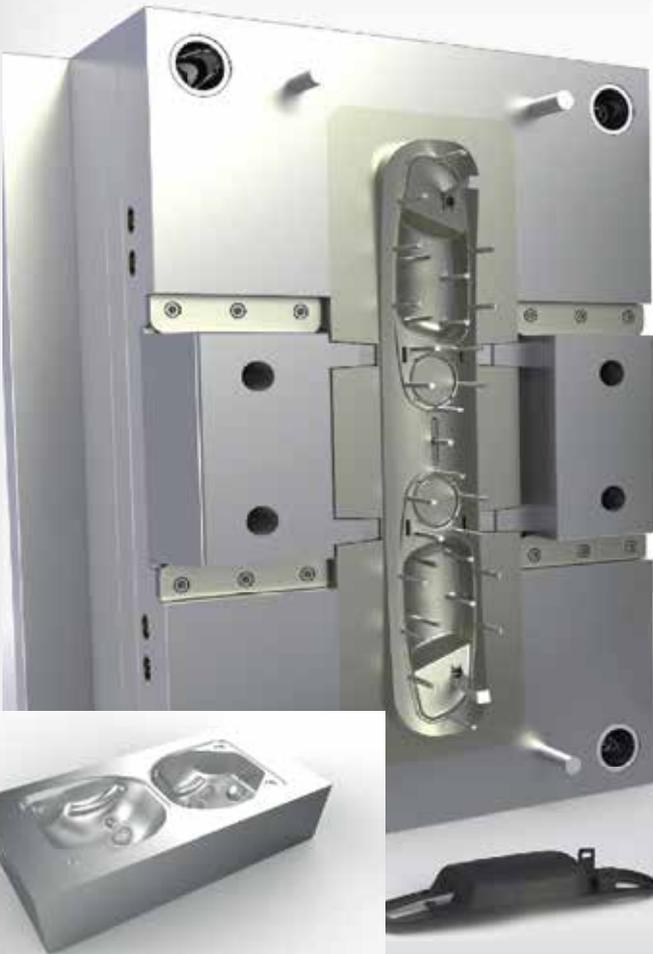
Properties of Die Aluminum

- It has high abrasion resistance
- It is perfect for its machinability and high hardness.
- It can be perfectly burnished and has dimensional precision.

Areas of Use: Heading dies, Thermoform Dies, prototype injection dies, die carriers, vacuum formed dies. It can be used in low capacity production plastic injection dies as an alternative to steel due to its high hardness High strength mechanical parts, heating plates, machine tables, tool carriers.

Alloy Used

- 5083 H111 H321
- 6061 T6 / T651
- 6082 T6 / T651
- 7075 T6 / T651
- Hokotol
- Alumold





Automated Cutting

Seykoç Aluminum provides its clients sheet metal with +/- 0.2 mm precision thanks to its 4 fully automated aluminum sizing machines.

With this machine you will be able to produce cut sheet at square, without allowance.

Advantages:

- Lower production costs
- Reduces extra production time in extra cut products.
- Reduces labor costs
- Eliminates chip costs

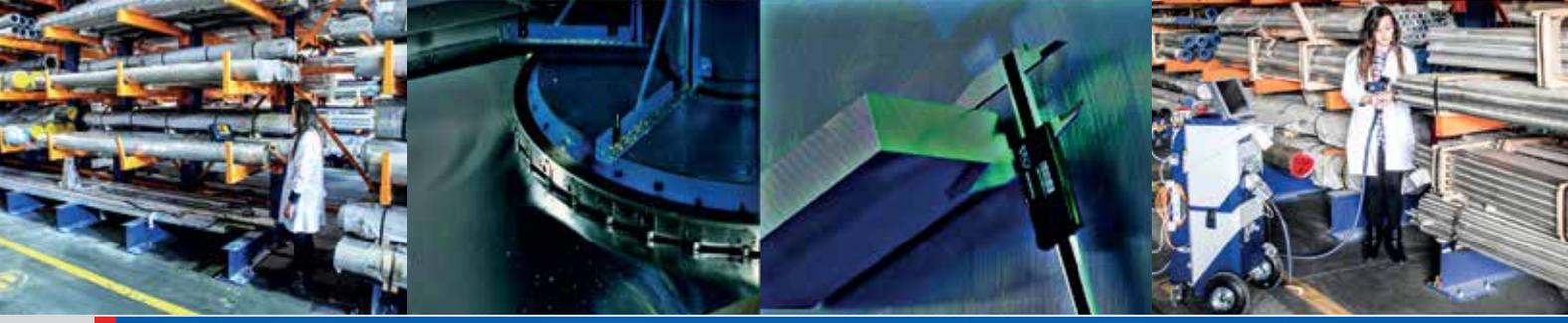
Roll size Cutting and Slitting

With Roll Size Cutting and slitting machines in the Seykoç machine park, you can size your aluminum rolls precisely at the dimensions you require.

Bar Cutting

Seykoç Aluminum machine park contains many bar cutting machines and can cut 0.5 mm precise bars and sheet bars.





Hardness Measurement

BMS Hartip 3000 brand hardness measurement devices are used to measure the hardness of your materials.

Ultrasonic Crack Control Test

Time Tud - 300 brand ultrasonic crack measurement devices are used to perform crack control tests of your materials.

PVC Coating

Seykoç Aluminum provides PVC protective coating services against possible scratches that may arise from cutting in sheet materials up to 6 mm thickness

Chemical Analysis

Seykoç Aluminum performs chemical analyses of alloys within and allows you to make sure of the material you purchase.

Technical Consultancy



Seykoç Aluminum provides top notch technical support for its clients with its Expert Engineer Staff.





The Leading Aluminum Supplier of Turkey

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