

## **ALUMINUM GROUP**

Billet is the preparation of aluminum in billet form and in a quite large form. They are obtained by casting. In appearance, it is long, narrow and resembles a pipe.

After the aluminum is split into billet, it is processed, that is, shaped. There is no limit for the usage area after this shaping process.

Based on the demand of aluminum extrusion companies, high quality billets are provided in different diameters such as 127, 140, 152 and 178 mm, and in the form of 6005, 6060, 6063, 6082, 6463 and other aluminum alloys in international norms upon request.

## **ALUMINUM PROFILES**

**Standard Aluminum Profiles:** It is one of the profiles used very frequently in trim works in the construction sector. Standard profiles are formed by the combination of many parts. Standard profiles are widely used. They are used extensively in decoration and window systems, as they are a solid and light building element.

### **Extrusion Plant**

Profile supply from 50 g/m to 75 kg/m

Supply of one piece profiles up to 30 m

Supply of profiles with 450 mm diameter or 600 mm width

### **Anodized Oxidation**

Anodized profile up to 15 m in length

Consistency of color and surface quality in different production lots

Anodizing process of small parts and accessories

The skeleton part of glass balcony systems, which are in high demand today, consists of aluminum profiles. Glass balcony systems produced with standard profile both add value to the structure they are used in and give functionality to the balcony areas. They ensure that the glass balcony systems are light-weight and robust.

### **Standard Profile Parts**

The dimensions of the parts that make up the whole of the standard profile are determined based on the place of use. Some parts can be customized. Depending on the dimensions of the area to be used, the dimensions of the parts may be also changed.

### **Flat Profiles**

Rectangular-shaped and solid aluminum profiles used for operations such as floor covering, carrier bar or screw support.

### **Round Profiles**

These are solid aluminum profiles with circular and cylindrical cross-sections that can be used for multiple purposes such as carrier wire and rod.

### **Square Profiles**

The hollow type profiles are one of the multi-purpose parts.

### **U-Profiles**

Special products used as connection parts in vertical joints and in places where a joint is required.

### **Angle Profiles**

Special profile parts used for gap closing, wall connections and other purposes.

### **L Profiles**

It is one of the profile parts used at the junction points.

### **T Profiles**

Used in vertical connections as in U profiles and in connection points where a joint is required.

### **Square Box Profiles**

Profile parts with box section and used for various purposes.

### **Pipe Profiles**

It is one of the profile pieces with different sizes and circular cross-sections.

### **Advantages of Standard Profile**

\* Standard profiles used in facade covering and glass balcony applications are light-weight and durable. It is a material that can withstand outdoor effects. This profile system is preferred in many construction works because it can be used for many years without need to any maintenance works after the installation phase.

\* It is cost effective and easy to install. Today, this profile system is used in some parts of large buildings, apart from glass balcony applications.

\* The simplicity of the system and the flexibility of the dimensions of its parts make it usable and advantageous.