

How to cut aluminum profiles?

Detail Introduction :

Industrial aluminum profiles are generally 6.01 meters, which can be cut according to the length you need. Do you know how to cut aluminum profiles? What should be paid attention to during the cutting process?

The cutting of aluminum profiles is generally done with a professional cutting machine. Otherwise, it will cause the trouble of rough sections and inaccurate dimensions.

1. Choose a professional saw blade.

It is relatively easy to see because the hardness of industrial aluminum profiles is not as great as that of steel. However, because the hardness is not large enough, it is easy to stick to aluminum, so the blade must be sharp and replaced after a period of use.

2. Choose the right lubricating oil.

If you do not use lubricating oil to cut directly, the cut aluminum profile's cut surface will have many burrs, which is difficult to clean. And it hurts the saw blade.

3. Cut bevel angle with CNC machine

Most industrial aluminum profiles are cut at right angles, and some require beveled angles. 45° angles are more common. When cutting the bevel angle, the angle must be controlled well, and it is best to use CNC machine tools to cut.

Let's take a look at what steps need to be cut after industrial aluminum extrusion is produced?

1. The aluminum profile must be sawed after extrusion. At this time, it is a rough cut. The length is generally controlled at 6 meters or more and 7 meters or less. Too long industrial aluminum profiles are inconvenient to enter the aging furnace for aging and oxidation in the oxidation tank.
 2. If the customer buys the material and goes back for sawing and processing, we need to see off the oxidation electrodes at both ends after the anodized packaging is finished. The length of the profile is generally controlled at 6.01 meters.
 3. If you purchase semi-finished products for processing, we have to transfer them to the processing workshop to perform fine-cutting according to the actual size used. The size tolerance of fine-cutting is generally controlled within $\pm 0.2\text{mm}$. Some need further processing (punching, tapping, milling, etc.)
- To sum up, aluminum profiles cannot be cut casually. According to the required size, the cutting machine can be accurately cut. We have dozens of **CNC machining** equipment, which can meet your cutting, drilling, grinding, and other processing services. If you need to cut aluminum profiles, you can contact us.