

6063 / 6063A Aluminium Extrusions

Smiths Profiles

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An 'architectural alloy'

With excellent corrosion resistance and easily anodised, 6063 offers one of the best extruded finishes on the market.

Commonly supplied in T1, T4 and T5 tempers, 6063 aluminium extrusions are among the most popular commercially produced extruded products. It is known as an architectural alloy due to the materials' aesthetically pleasing finish, making it an excellent choice for applications requiring a high level of finish.

6063 can be easily anodised due to the materials smooth surface making the alloy a popular choice in extruded architectural shapes. The material offers excellent corrosion resistance, particularly to stress-corrosion. 6063 aluminium promotes good weldability, although post-weld heat treatment may be required around joints due to material softening. The mechanical properties of the alloy can vary greatly depending on the temper. 6063A aluminium extrusions offer the same characteristics as 6063 but with greater strength.



Commercial Applications

6063 aluminium finds use in a wide range of architectural applications such as window frames, shop fittings, balustrading and architectural fascias.

6063A shares these commercial applications, and due to the alloy's greater strength, the extrusions can also be used in areas such as rail and road transport and extreme sports.

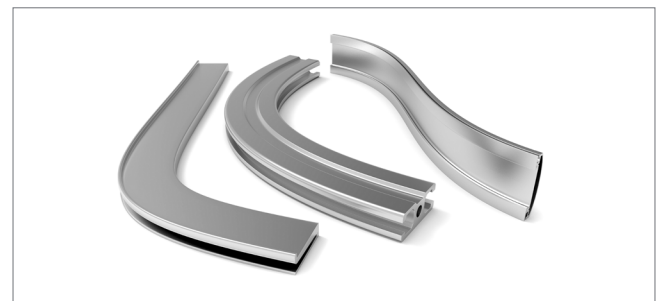
Key Features:

- Aesthetically pleasing finish
- Easily anodised
- Excellent corrosion resistance
- Good weldability
- Known as an 'architectural alloy'
- For applications require a high level of finish
- 6063A benefits from greater strength

About Smiths Profiles

Smiths Profiles is based in Cheltenham, Gloucestershire and is backed up by the resources of its parent company, Smiths Metal Centres, which has a network of 13 distribution centres across the UK.

We will supply your extruded product taking into account the design and application required with one single objective - to meet your requirements in the most cost efficient way.



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Quality Management

Smiths Profiles operate an **ISO 9001 approved** quality management system. Our quality management system (QMS) is fully embedded in our industry-leading bespoke IT platform.