

## TRIANGULAR TUBE RUNNERS TTR

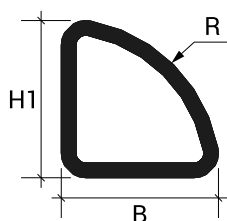
### PRODUCT DESCRIPTION



Profiles to be used to fix stair runners. Triangular brass and aluminum tubes, which can be applied with fixed or openable supports to facilitate cleaning of STR13 stair runners.

### TECHNICAL FEATURES

Length: 3,00 meters



Aluminum - Brass

R = 16 mm

### MATERIAL DESCRIPTION

#### Aluminum

The primary aluminum alloy EN AW-6060 in T6 temper is suitable for complex extrusions, offering high strength and an excellent natural surface finish that lends itself well to subsequent finishing processes.

#### ANODIZED ALUMINUM:

The anodic oxidation process provides protection against corrosion caused by atmospheric agents, without involving galvanic treatments.

According to the EN 12373 standard, the profiles are treated with preventive processes that make them uniformly opaque, subsequently they are coloured through an electro-chemical oxidation process in the standard colours Silver, Gold, Bronze, Copper and Titanium with a thickness of up to 10 microns.



AO

Rod » in Anodized Aluminum		
Item	H1 mm	Finish
TTR16AO300	16	AO - Gold

Fixing support » in Brass for triangular Stair Rod		
Item	H mm	Finish
STR130LSET	X	OL - Polished

## MATERIAL DESCRIPTION

### Brass

Profiles made from CW618N (EN 12167) brass alloy are characterized by high resistance to mechanical stress, making them particularly suitable for heavy-traffic applications, such as industrial settings and at expansion joints. Brass is resistant to most chemical agents commonly encountered during the installation of ceramic coverings. However, in the presence of humidity or aggressive substances, the surface may develop superficial oxidation, which can be removed using a standard polishing product.

These profiles can be manufactured through either hot extrusion or cold forming from sheets of constant thickness.

### POLISHED BRASS:

This finish is obtained using specialized polishing machines that mechanically enhance the surface without altering the material's intrinsic properties. In the presence of oxidizing agents, some surface darkening may occur, which can be easily restored using common polishing products.



OL

## ACCESSORIES



STR 13

Rod » in Brass - Polished		
Item	H1 mm	Finish
TTR160L300	16	OL - Polished

Fixing support » in Brass for triangular Stair Rod		
Item	H mm	Finish
STR130LSET	X	OL - Polished

## APPLICATION

1. Cut the profile to the required length;
2. Arrange the runner carefully following the profiles of the steps;
3. Fix the supports with screws at the pre-set distance calculated with the profile and centering the runner;
4. Insert the profile into the support, carefully spreading the runner so that it is taut and without wrinkles, and finally close the support.

N.B.: Aluminum profiles offer limited resistance to alkaline substances, so their use must be evaluated according to the expected chemical aggressions. Aluminum profiles in contact with cementitious substances can be attacked by corrosion processes, so residues of used adhesives and sealants should be removed immediately. When laying, the right amount of adhesive must be used and the right drying times observed, avoiding creating cavities in which water can stagnate, which would lead to the formation of alkaline substances (aluminum hydroxide) and trigger corrosive electrolytic phenomena.

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## CLEANING AND MAINTENANCE

### ALUMINIUM:

Aluminum requires no special maintenance.

For cleaning, use colorless alcohol diluted in water or neutral detergents, avoiding acidic ones (e.g., hydrochloric or hydrofluoric acid); use non-abrasive sponges or cloths to avoid damage. We recommend not applying cleaners directly to surfaces. After cleaning, rinse with water and dry immediately with a soft cloth. Avoid polishes. Quickly remove residual cement or grout to protect the surface.

### BRASS:

Brass does not require special maintenance and is easily cleaned with alcohol diluted in water or with neutral detergents, avoiding those with an acidic base.

It is recommended to use water with mild detergents, ensuring the final rinse is with water only. To avoid scratches, use exclusively non-abrasive cloths or sponges. For maintenance, common polishes available on the market can be used.

## WARNINGS

These profiles must be handled with care, taking care to use cut-resistant gloves. The instructions and requirements contained herein, while based on our experience, are to be considered purely indicative and must be confirmed by exhaustive practical applications. Profilitec declines all responsibility for any damage to persons or property resulting from improper use of the product. The user is responsible for determining whether or not the product is suitable for use and assumes all responsibility for any damage resulting from incorrect installation of the material.

## BILL OF QUANTITIES ITEM

Supply and installation of profile in \_\_\_\_\_ (material), with finish \_\_\_\_\_  
 \_\_\_\_\_ (see Material Description section) of characteristic size \_\_\_\_\_ mm. Tube profile with  
 fixing supports.

Family type \_\_\_\_\_ from the Profilitec company as a profile for fixing stair runners to be supplied  
 and installed according to the rules of the art, respecting the methods and fields of application indicated by the  
 manufacturer.

Profile length: 2700 mm

Profile SKU: \_\_\_\_\_

Material: \_\_\_\_\_ €/m

Installation: \_\_\_\_\_ €/m

Totale price: \_\_\_\_\_ €/m