



**ALPHACOOOL – THE COOLING COMPANY**



## Alphacool HF Quick Disconnect Fittings TPV PushIn Industry Version

### What is it?

The Alphacool HF Quick Disconnect Fittings for TPV tubing are taken from the Alphacool Enterprise Solutions product range and has been developed especially for Alphacool TPV hoses. Special emphasis has been placed on high tensile strength and safety.

### Highlights

- High tensile strength thanks to locking ring
- Space-saving design
- Made of durable nylon

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We assume no responsibility for any typing errors.

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## Scope of delivery

1x Alphacool HF Quick Disconnect Fittings TPV PushIn Industry Version

## Technical data

Diameter x height	20 x 104 mm
Bore diameter	6 mm
For tube size	12,7 / 6,7 mm
Net weight	27 g
Max working temperature	60° C
Type of quick release connector	Push In
Material	Nylon

## Product pics download

[http://alphacool.com/download/1017404\\_pics.zip](http://alphacool.com/download/1017404_pics.zip)

Other data	
Artikelnummer Alphacool	17469
EAN Code	4250197174695
VPE	1
Abmessung VPE B xTx H	33 x 108 x 33 mm
Gewicht	39 g
Zoll Code	39174000990

## Article text

The Alphacool HF Quick Disconnect Fittings for TPV tubing are taken from the Alphacool Enterprise Solutions product range and has been developed especially for Alphacool TPV hoses. Special emphasis has been placed on high tensile strength and safety.

### Enterprise Solution?

Alphacool offers specialised water cooling products for servers and workstations in the B2B and Enterprise Solution area. When used for these applications, water cooling must be secure and safe. To ensure these criteria is met, Alphacool has concentrated on 3 main targets for the quick release fittings: a secure leak proof link, high tensile strength of the assembled hoses and a particularly low weight. The particularly high tensile strength is achieved by using a locking ring in the fitting. When the hose is mounted, the locking ring engages in the hose and holds it firmly in place. This makes it impossible to pull off the hose under normal circumstances.

### Compact Quick Connector?

Common quick connectors can have a diameter of over 24mm. This Alphacool quick release connectors has a diameter of only 20 mm. This makes it probably one of the sleekest quick release connectors for water cooling systems on the market. To close the quick-release fastener, it only needs to be pushed together. To open it again, a small ring is pulled back. This makes the quick-release fastener pop open. The water loss is minimal and consists of only 1-2 small drops which can easily be halted with a towel or cloth.

### Nylon as material?

Instead of the usual brass, the fittings for the Enterprise Solutions product range are usually made of nylon. In water-cooled servers and workstations, all components must be easily and quickly replaceable and keeping the weight down is important. That is why all components are fitted with quick release fasteners. Due to the high packing density in modern servers, the quick release fastener is made of highly stable nylon. They are therefore non-conductive and cannot cause any short circuits. Nylon is also an ultra-light material, which makes it extremely easy to use.

### **Flow and sealing**

In servers and workstations with multiple processors and graphics cards, many components must be equipped with quick connectors. With conventional quick-connectors, narrow water channels will restrict the flow. With the Alphacool quick release connectors, which were developed especially for such solutions, the water flow is optimised to keep the resistance as low as possible. As with all Alphacool quick-release fasteners, this version also uses a double seal to ensure maximum tightness and therefore maximum safety. To further increase safety, a locking clip is also included to prevent accidental opening of the quick release fastener. An unlocking clip makes it easier to open the quick-release fastener if required.

Lightweight, extremely thin, high security and the non-conductive material are the basic characteristics of this quick release connector which has been developed especially for industry and servers.