

# PIPE AND CABLE FASTENING with plastic pipe clamps

**clic<sup>®</sup>**

- easy
- secure
- fast

**efco**  
.SWISS

smart fixing

## Do it the professional way

Let us explain, how these days pipes and cables are efficiently mounted. CLIC opens a vast variety of clamping opportunities to you, thanks to a unique, high-quality fastening system.



### CLIC, the system

Continuously improved since 1975, CLIC has proven itself millions of times to keep pipes and cables where they are meant to stay.

The CLIC System covers a vast variety of applications due to its flexibility. It comprises all components needed by a professional to mount pipes and cables.

Next to the hardware, the CLIC System includes the service of an experienced engineer to assist you in all your planning requirements. An extensive experience in various markets and applications around the globe, plus a development division as a system backbone, allow solutions in collaboration with engineers, architects, structural, civil engineering, aircraft engineering and many more highly professional fields.

The CLIC is the proven solution to fasten cable conduits and pipes. It reduces the costs by up to 70 percent by means of saving installation time.

#### **The smart solution for elaborate tasks carried out by professionals**

For installations with high demands, public areas or infrastructural buildings, the qualities of CLIC and CLIC TOP are especially recommended due to the high mechanical capacity, the excellent impact and chemical resistance and temperature stability.

#### **The best solution for highest demands**

CLIC TOP covers the increasing demand for fastening points in harsh environments. In many road and train tunnels leaky (radiation) cables, providing signals for radio and mobile telecommunications systems, are exposed to various corrupting environmental impacts such as chemicals, water, variation in temperature etc. CLIC TOP products can take it all and keep pipes and cables in place.

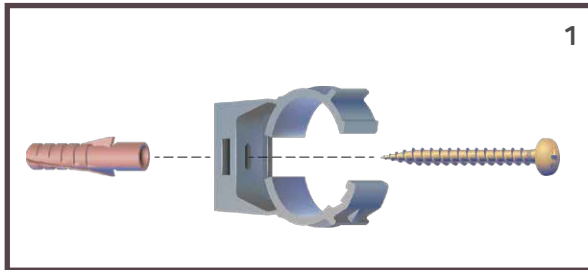
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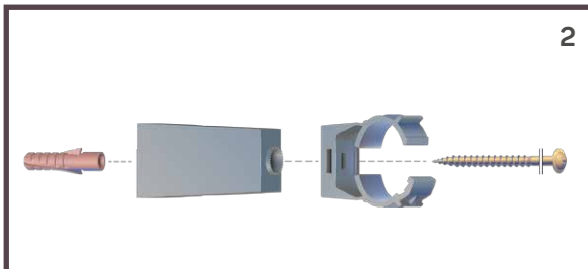
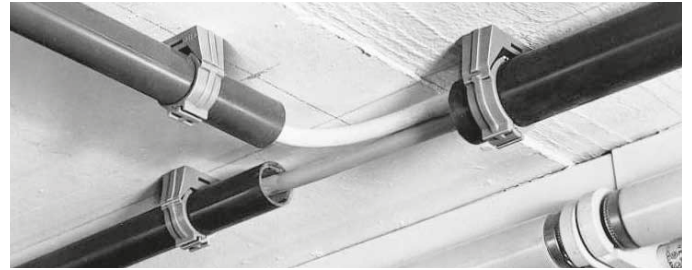
# CLIC 8 to 127 mm diameter

## Mounting with system

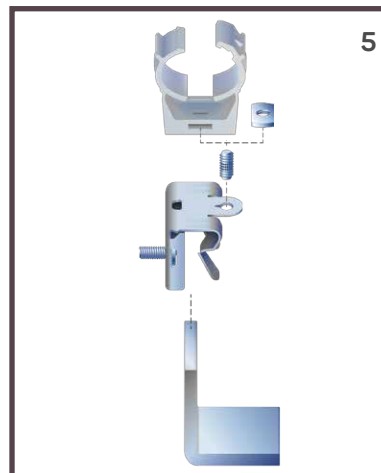
CLIC is more than just a pipe clamp: CLIC is a comprehensive mounting system with perfectly matching parts that can be used separately or combined into customized pre-assembled sets.



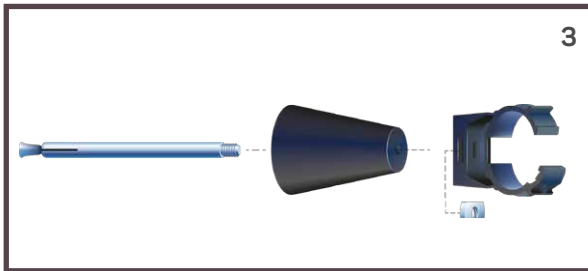
Installation with wood screw and DELTA nylon plug.  
Surfaces: Masonry, Concrete



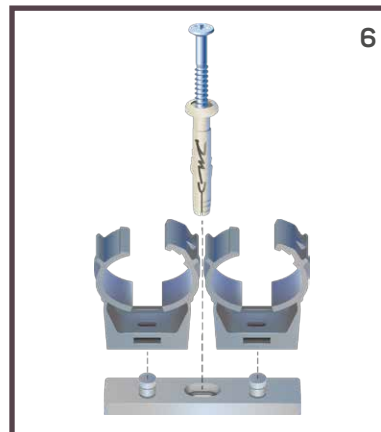
Installation with CLIC spacer, round-head wood screw with pressed-on washer and DELTA nylon plug.  
Surfaces: Masonry, Concrete



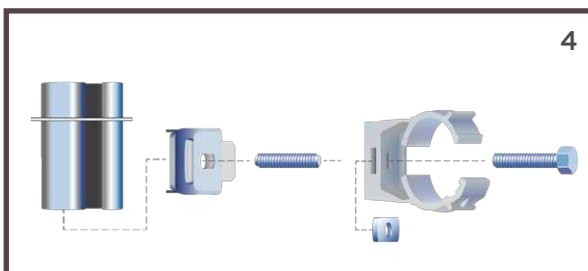
Installation with CLIC hammer on spring steel clamp, CLIC flange and a threaded stud M6  
Surface: Steel beam



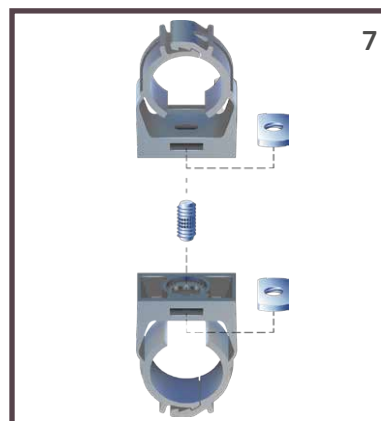
Installation with CLIC round spacer, TILCA fire-resisting anchor M6 and CLIC flange. Stainless steel 1.4529 on demand.  
Surface: Concrete



Installation of two CLIC onto base plate fixed with TILCA nail-in plug.  
Surfaces: Masonry, Concrete



Installation with CLIC SLICK strut nut M6, CLIC flange and a threaded stud M6.  
Surface: Strut 41×41 and 41×21mm



Installation CLIC to CLIC with threaded stud and two CLIC flanges.

## References



### Proven reliability under toughest conditions

The CLIC System is in operation all over the world and is evidence for the well known Swiss quality. CLIC convinces wherever standard or special requirements emerge.

Characteristics such as non-corroding material, safety – also in case of fire – the ease and efficiency of installation more than satisfy the needs of professionals in the tunnelling business. Exposure to chemicals, UV radiation and weather ascendancies, as well as submersion in seawater will not harm your installation. CLIC covers special requirements in nuclear power plants, waste water facilities, shipbuilding or in the aircraft industries.

### High-speed tunnelling / Tunnelling

With a route length of 57 km, the Gotthard Base Tunnel in Switzerland is the world's longest rail tunnel. Multiple fastening solutions with our CLIC system are applied to keep pipes and cables in place.

Tens of thousands CLIC fastening points around the world guarantee safety and durability in more than 10,000 km of tunnels around the world in harshest environments.

MRT systems in Europe, Asia, USA, and Australia use the CLIC System to fasten leaky cables to ensure communications for passengers as well as in case of emergency for fire brigade, ambulance and police etc. Examples are Singapore, Hong Kong, Bangkok, Hanover, Vienna, Moscow, London, Los Angeles, Kuala Lumpur, Chengdu, Guangzhou-Foshan Metro etc.

### Leaky cable in road tunnels

There exists almost no harsher environment than in road tunnels. Exhaust fumes contain all kinds of aggressive chemicals, temperature ranges from over 60 degr. C, water, fog, mist, dust and many more factors are found in this environment.

The long life span of the CLIC system has been proven in this kind of environment: at a renovation of the Schöneich road tunnel (Switzerland) the cables had to be replaced by new ones with better electrical characteristics. After more than 25 years of exposure only 30 % of the CLIC needed to be replaced.

### Corrosion-resistant and fire-proof

Stainless steel, seawater and electrical conductivity are known as being far from best friends. Due to non-conductive and non-corroding properties, the CLIC System has been selected as one of the best solutions from various ship-yards in Taiwan, France, Norway, and Korea to fasten the electrical cables on their ocean vessels.



## Interested?

For more information or if you need advice on a specific project, do not hesitate to contact us: +41 44 209 81 11 • [info@clic-original.com](mailto:info@clic-original.com)

Subject to modifications.