

Clic[®] and Clic[®] R clamps



CLIC®

Function

Ensure a tight fitting between a hose and a pipe-end at temperatures ranging from -30 to +130°C.

Strengths

Excellent circularity: even distribution of the clamping force preventing leakage.

The locking system of the CLIC® clamp ensures a robust tightening.

Resistant to high stresses (pressure, pull-off, vibration)

Austenitic stainless steel clamp: withstands corrosion as well as fuel, oil, grease, alcohol,...

The CLIC® clamp is light and compact.

Quick and easy fitting (1 second) with manual or pneumatic pliers.

The CLIC® clamp is removable and reusable (if disassembled with care).

The different diameters can easily be identified thanks to a colour coding.

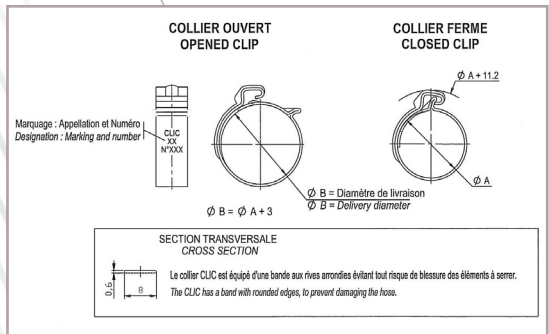
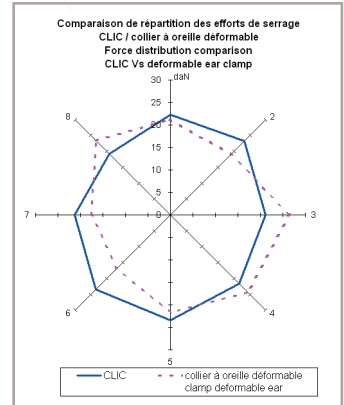
Specific ranges

The CLIC® clamp has pre-tightened versions (to prevent the clamp from opening before fitting) named Préclipsé and Préclipsé R as well as a preformed version (to the shape of the application to be clamped).

Applications

Automotive: engine, fuel tank vent, air filter, steering, etc,...

All other industrial applications, electrical appliances, automotive aftermarket, domestic plumbing (sauna, bath,...).



CLIC® R

Additional strengths

The CLIC® R clamp has capacity reserves designed to compensate for the tolerance ranges of the hoses and pipe-ends to be tightened.

CLIC® R specific ranges

The CLIC® R clamps also exist with a slot or a hole to pre-position them on a hose.

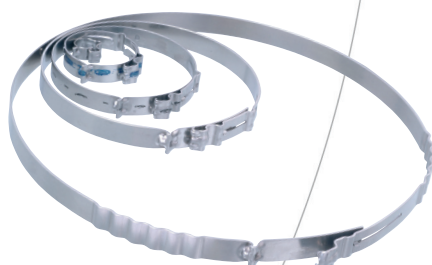
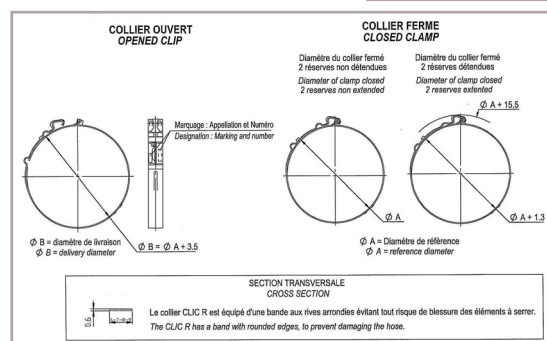
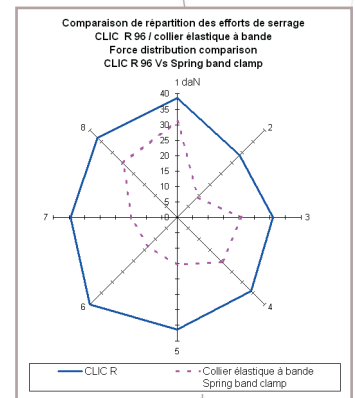
Applications

Automotive: Fuel, oil, air power steering and cooling systems

Transmission and steering boots,

All rubber, thermoplastic, TPE, silicone,... hoses.

All other industrial applications, electrical appliances, ship industry,...



CHOOSING THE RIGHT CLIC® CLAMP

To select the correct diameter, please contact our sales engineers specifying the definition of your application (pipe-end diameter and tolerance as well as hose thickness and tolerance).

FITTING AND REMOVAL OF CAILLAU® CLAMPS

CAILLAU® clamps can be fitted / removed with standard tools (pincers, screwdriver) but CAILLAU strongly recommends using specific tools.

CAILLAU's team offers a real Product/Process service, from recommending the most adapted fitting tool to implementing the fitting process and training operators on the assembly line.

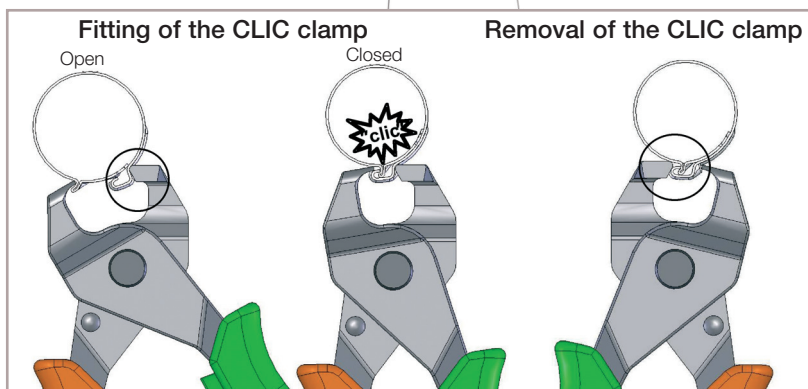
The expertise CAILLAU's engineering team has of the mechatronic design process enables them to provide their customers with tools which guarantee that the clamps are properly fitted (control, detection tools).

Please contact our sales team who will introduce you to the whole range of CAILLAU® fitting tools and help you define which is best suited to your requirements.

Manual pliers



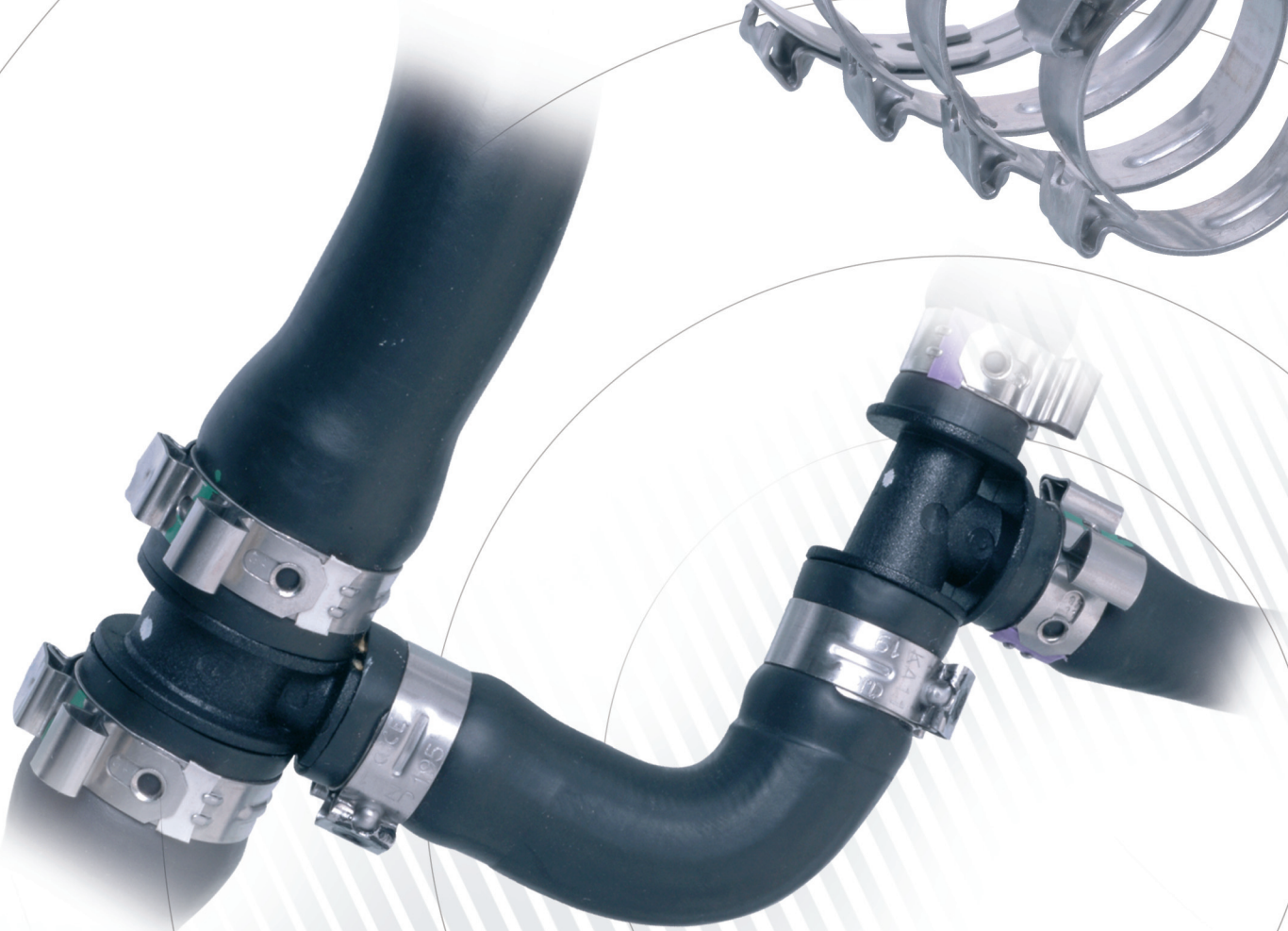
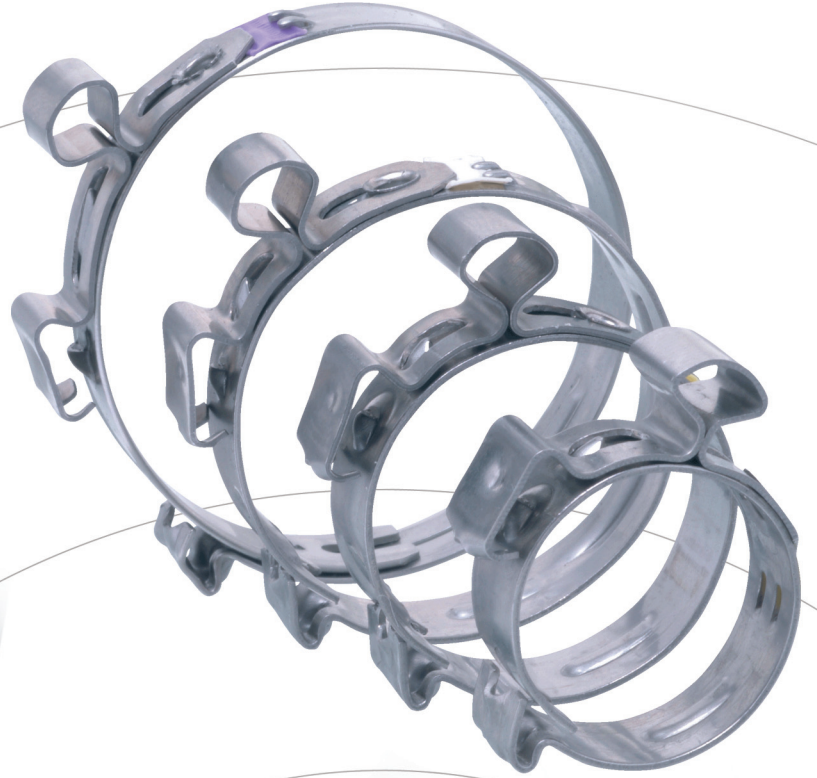
Pneumatic pliers



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Clic® E



PRESENTATION

As a perfect synthesis of all CAILLAU's know how, the CLIC® E is each day more popular as it provides premium performance in an ever more challenging environment.

The CLIC® E clamp is an elastic clamp consisting of two 9 mm-wide stainless steel bands: "latch" and "belt" respectively of thickness 0.5 mm and 0.6 mm.

The latch band includes a spring ensuring the elastic function of the clamp once fitted on the application.

The CLIC® E clamps are available from diameters 11.5 mm to 75 mm.



MAIN FUNCTIONS

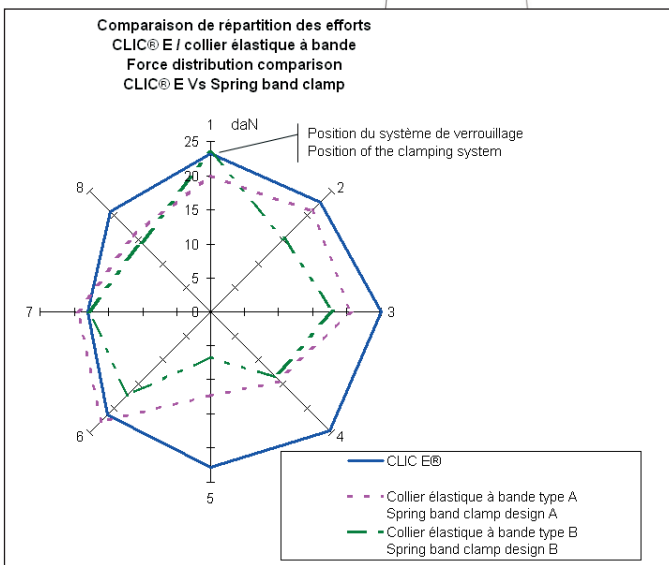
Ensure a tight fitting between a pipe-end and a hose at temperatures ranging from -40°C to +140°C.

CHARACTERISTICS

- Great clamping force
- Very good clamping circularity (see diagram)
- Very efficient spring function: The clamp offers good clamping force when cold (thermal contraction of the hose) while still ensuring tightness.
- Excellent resistance to pull-off, disconnection and vibration stresses
- Quick fitting (manual or pneumatic pliers that can integrate closure control sensor)
- Removable and reusable
- Avoids any damage to the hose thanks to its band with rounded edges.

APPLICATIONS

The excellent technical performance of the CLIC® E clamp (clamping force and homogeneity, quality of the spring function) makes it suitable for heavy-duty applications: cooling, heating, power steering, hydraulic systems.



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