

# Clic<sup>®</sup> and Clic<sup>®</sup> 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.

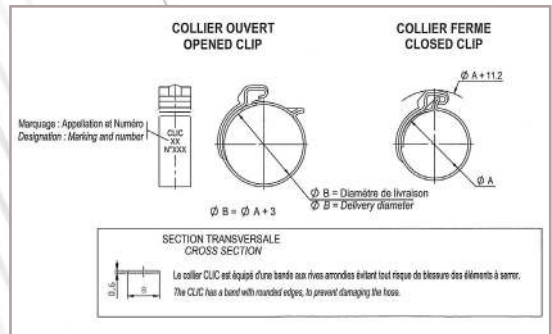
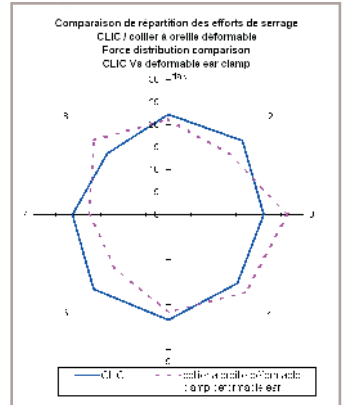
**Specific ranges**

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.

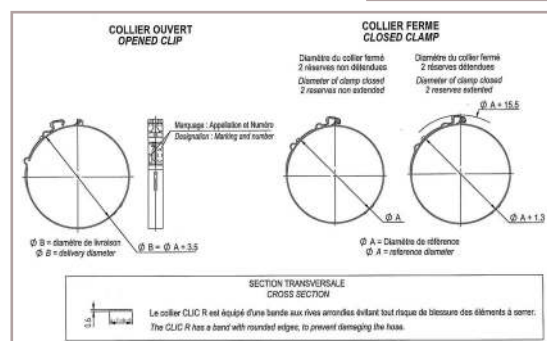
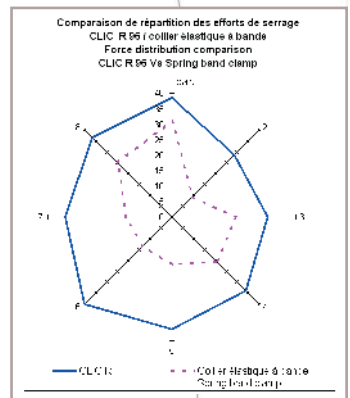
**Applications**

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,...



# RANGE

CLIC® XY-Z

X = band width in mm  
 Y = thickness diameter in 1/10° mm  
 Z = lower diameter in 1/10° mm  
 D\* = diameter range of fitted hose



## CLIC®

| Designation    | IA   | IA   | D* | Band width |
|----------------|------|------|----|------------|
|                | mm   | mm   | mm | mm         |
| CLIC 55 75     | 8    | 9    | 5  |            |
| CLIC 55 80     | 8,5  | 9,5  | 5  |            |
| CLIC 55 85     | 9    | 10   | 5  |            |
| CLIC 55 90     | 9,5  | 10,5 | 5  |            |
| CLIC 55 95     | 10   | 11   | 5  |            |
| CLIC 55 105    | 11   | 12   | 5  |            |
| CLIC 55 115    | 12   | 13   | 5  |            |
| CLIC 66 100    | 10,5 | 11,5 | 6  |            |
| CLIC 66 105    | 11   | 12   | 6  |            |
| CLIC 66 110    | 11,5 | 12,5 | 6  |            |
| CLIC 66 115    | 12   | 13   | 6  |            |
| CLIC 66 120    | 12,5 | 13,5 | 6  |            |
| CLIC 66 125    | 13   | 14   | 6  |            |
| CLIC 66 130    | 13,5 | 14,5 | 6  |            |
| CLIC 66 135    | 14   | 15   | 6  |            |
| CLIC 66 140    | 14,5 | 15,5 | 6  |            |
| CLIC 66 155    | 16   | 17   | 6  |            |
| CLIC 66 165    | 17   | 18   | 6  |            |
| CLIC 66 450 PR | 45,5 | 47,5 | 6  |            |
| CLIC 66 465 PR | 47   | 49   | 6  |            |
| CLIC 66 495 PR | 50   | 52   | 6  |            |
| CLIC 66 575 PR | 58   | 60   | 6  |            |
| CLIC 66 590 PR | 59,5 | 61,5 | 6  |            |
| CLIC 66 595 PR | 60   | 62   | 6  |            |
| CLIC 66 620 PR | 62,5 | 63,5 | 6  |            |
| CLIC 76 290 PR | 29,5 | 31,5 | 7  |            |
| CLIC 76 470 PR | 47,5 | 49,5 | 7  |            |
| CLIC 76 515 PR | 52   | 54,5 | 7  |            |
| CLIC 76 525 PR | 53   | 55,5 | 7  |            |
| CLIC 76 550 PR | 55,5 | 57,5 | 7  |            |
| CLIC 76 590 PR | 59,5 | 61,5 | 7  |            |
| CLIC 76 660 PR | 66,5 | 69,5 | 7  |            |
| CLIC 86 125    | 13   | 14   | 8  |            |
| CLIC 86 140    | 13,5 | 14,5 | 8  |            |
| CLIC 86 145    | 15   | 16   | 8  |            |
| CLIC 86 150    | 15,5 | 16,5 | 8  |            |
| CLIC 86 155    | 16   | 17   | 8  |            |
| CLIC 86 160    | 16,5 | 17,5 | 8  |            |
| CLIC 86 170    | 17,5 | 18,5 | 8  |            |
| CLIC 86 175    | 18   | 19   | 8  |            |
| CLIC 86 180    | 18,5 | 19,5 | 8  |            |
| CLIC 86 185    | 19   | 20   | 8  |            |
| CLIC 86 190    | 19,5 | 20,5 | 8  |            |
| CLIC 86 195    | 20   | 21   | 8  |            |
| CLIC 86 200    | 20,5 | 22   | 8  |            |
| CLIC 86 205    | 21   | 22,5 | 8  |            |
| CLIC 86 210    | 21,5 | 23   | 8  |            |
| CLIC 86 215    | 22   | 23,5 | 8  |            |
| CLIC 86 220    | 22,5 | 24   | 8  |            |
| CLIC 86 225    | 23   | 24,5 | 8  |            |
| CLIC 86 230    | 23,5 | 25   | 8  |            |
| CLIC 86 235    | 24   | 25,5 | 8  |            |
| CLIC 86 245    | 25   | 26,5 | 8  |            |
| CLIC 86 250    | 25,5 | 27   | 8  |            |
| CLIC 86 260    | 26,5 | 28   | 8  |            |
| CLIC 86 270    | 27,5 | 29   | 8  |            |
| CLIC 86 275    | 28   | 29,5 | 8  |            |
| CLIC 86 280    | 28,5 | 30   | 8  |            |
| CLIC 86 290    | 29,5 | 31   | 8  |            |
| CLIC 86 380 P  | 38,5 | 40,5 | 8  |            |
| CLIC 86 490 PR | 49,5 | 51,5 | 8  |            |

## CLIC® R

| Designation                          | IA    | IA    | D* | Band width |
|--------------------------------------|-------|-------|----|------------|
|                                      | mm    | mm    | mm | mm         |
| CLIC R 66-70                         | 7,5   | 9     | 6  |            |
| CLIC R 66-80                         | 8,5   | 10    | 6  |            |
| CLIC R 66-90                         | 9,5   | 11    | 6  |            |
| CLIC R 66-100                        | 10,5  | 12    | 6  |            |
| CLIC R 66-105                        | 11    | 12,5  | 6  |            |
| CLIC R 66-110                        | 11,5  | 13    | 6  |            |
| CLIC R 66-115                        | 12    | 13,5  | 6  |            |
| CLIC R 66-120                        | 12,5  | 14    | 6  |            |
| CLIC R 66-125                        | 13    | 14,5  | 6  |            |
| CLIC R 66-130                        | 13,5  | 15    | 6  |            |
| CLIC R 66-135                        | 14    | 15,5  | 6  |            |
| CLIC R 66-140                        | 14,5  | 16    | 6  |            |
| CLIC R 66-145                        | 15    | 16,5  | 6  |            |
| CLIC R 66-150                        | 15,5  | 17,5  | 6  |            |
| CLIC R 66-155                        | 16    | 18    | 6  |            |
| CLIC R 66-160                        | 16,5  | 18,5  | 6  |            |
| CLIC R 66-165                        | 17    | 19    | 6  |            |
| CLIC R 66-185                        | 19    | 21    | 6  |            |
| CLIC R 66-205                        | 21    | 23    | 6  |            |
| CLIC R 66-215                        | 22    | 24    | 6  |            |
| CLIC R 96-115 sans PO / PO7          | 12    | 14    | 9  |            |
| CLIC R 96-120 sans PO / PO7          | 12,5  | 14,5  | 9  |            |
| CLIC R 96-125 sans PO / PO7          | 13    | 15    | 9  |            |
| CLIC R 96-130 sans PO / PO7          | 13,5  | 15,5  | 9  |            |
| CLIC R 96-135 sans PO / PO7          | 14    | 16    | 9  |            |
| CLIC R 96-140 sans PO / PO7          | 14,5  | 16,5  | 9  |            |
| CLIC R 96-145 sans PO / PO7          | 15    | 17    | 9  |            |
| CLIC R 96-150 sans PO / PO7          | 15,5  | 17,5  | 9  |            |
| CLIC R 96-155 sans PO / PO7          | 16    | 18    | 9  |            |
| CLIC R 96-160 sans PO / PO7          | 16,5  | 18,5  | 9  |            |
| CLIC R 96-165 sans PO / PO7          | 17    | 19    | 9  |            |
| CLIC R 96-170 sans PO / PO7          | 17,5  | 19,5  | 9  |            |
| CLIC R 96-175 sans PO / PO7          | 18    | 20    | 9  |            |
| CLIC R 96-180 sans PO / PO7          | 18,5  | 20,5  | 9  |            |
| CLIC R 96-185 sans PO / PO7          | 19    | 21    | 9  |            |
| CLIC R 96-190 sans PO / PO7          | 19,5  | 21,5  | 9  |            |
| CLIC R 96-195 sans PO / PO7 / PO7SP  | 20    | 22    | 9  |            |
| CLIC R 96-200 sans PO / PO7 / PO7SP  | 20,5  | 22,5  | 9  |            |
| CLIC R 96-205 sans PO / PO7          | 21    | 23    | 9  |            |
| CLIC R 96-210 sans PO / PO7 / PO7 SP | 21,5  | 23,5  | 9  |            |
| CLIC R 96-215 sans PO / PO7 / PO7 SP | 22    | 24    | 9  |            |
| CLIC R 96-220 sans PO / PO7          | 22,5  | 24,5  | 9  |            |
| CLIC R 96-225 sans PO / PO7 / PO7SP  | 23    | 25    | 9  |            |
| CLIC R 96-230 sans PO / PO7          | 23,5  | 25,5  | 9  |            |
| CLIC R 96-235 sans PO / PO7          | 24    | 26    | 9  |            |
| CLIC R 96-235 SP                     | 24    | 26    | 9  |            |
| CLIC R 96-240                        | 24,5  | 27    | 9  |            |
| CLIC R 96-245                        | 25    | 27,5  | 9  |            |
| CLIC R 96-250                        | 25,5  | 28    | 9  |            |
| CLIC R 96-250 SP                     | 25,5  | 28    | 9  |            |
| CLIC R 96-255                        | 26    | 28,5  | 9  |            |
| CLIC R 96-260                        | 26,5  | 29    | 9  |            |
| CLIC R 96-265                        | 27    | 29,5  | 9  |            |
| CLIC R 96-275                        | 28    | 30,5  | 9  |            |
| CLIC R 96-285                        | 29    | 31,5  | 9  |            |
| CLIC R 96-290                        | 29,5  | 32    | 9  |            |
| CLIC R 96-300                        | 30,5  | 33    | 9  |            |
| CLIC R 96-300 SP                     | 30,5  | 33    | 9  |            |
| CLIC R 96-315                        | 32    | 34,5  | 9  |            |
| CLIC R 96-320                        | 32,5  | 35    | 9  |            |
| CLIC R 96-325                        | 33    | 35,5  | 9  |            |
| CLIC R 96-335                        | 34    | 36,5  | 9  |            |
| CLIC R 96-345                        | 35    | 37,5  | 9  |            |
| CLIC R 96-350                        | 35,5  | 38    | 9  |            |
| CLIC R 96-365                        | 37    | 39,5  | 9  |            |
| CLIC R 96-375                        | 38    | 40,5  | 9  |            |
| CLIC R 96-375 SP                     | 38    | 40,5  | 9  |            |
| CLIC R 96-385                        | 39    | 41,5  | 9  |            |
| CLIC R 96-385 SP                     | 39    | 41    | 9  |            |
| CLIC R 96-388 SP                     |       |       | 9  |            |
| CLIC R 96-420                        | 42,5  | 45    | 9  |            |
| CLIC R 96-430                        | 43,5  | 46    | 9  |            |
| CLIC R 96-435                        | 44    | 46,5  | 9  |            |
| CLIC R 96-440                        | 44,5  | 47    | 9  |            |
| CLIC R 96-445                        | 45    | 47,5  | 9  |            |
| CLIC R 96-450                        | 45,5  | 48    | 9  |            |
| CLIC R 96-465                        | 47    | 49,5  | 9  |            |
| CLIC R 96-470                        | 47,5  | 50    | 9  |            |
| CLIC R 96-495                        | 50    | 52,5  | 9  |            |
| CLIC R 96-500                        | 50,5  | 53    | 9  |            |
| CLIC R 96-515                        | 52    | 54,5  | 9  |            |
| CLIC R 96-520                        | 52,5  | 55    | 9  |            |
| CLIC R 96-525                        | 53    | 55,5  | 9  |            |
| CLIC R 96-530                        | 53,5  | 56    | 9  |            |
| CLIC R 96-535                        | 54    | 56,5  | 9  |            |
| CLIC R 96-545                        | 55    | 57,5  | 9  |            |
| CLIC R 96-555                        | 56    | 58,5  | 9  |            |
| CLIC R 96-560                        | 56,5  | 59    | 9  |            |
| CLIC R 96-565                        | 57    | 59,5  | 9  |            |
| CLIC R 96-570                        | 57,5  | 60    | 9  |            |
| CLIC R 96-570 SP                     | 57,5  | 60    | 9  |            |
| CLIC R 96-590                        | 59,5  | 62    | 9  |            |
| CLIC R 96-595                        | 60    | 62,5  | 9  |            |
| CLIC R 96-605                        | 61    | 63,5  | 9  |            |
| CLIC R 96-615                        | 62    | 64,5  | 9  |            |
| CLIC R 96-615 SP                     | 62    | 64,5  | 9  |            |
| CLIC R 96-625                        | 63    | 65,5  | 9  |            |
| CLIC R 96-630                        | 63,5  | 66    | 9  |            |
| CLIC R 96-640                        | 64,5  | 67    | 9  |            |
| CLIC R 96-650                        | 65,5  | 68    | 9  |            |
| CLIC R 96-655                        | 66    | 68,5  | 9  |            |
| CLIC R 96-660                        | 66,5  | 69    | 9  |            |
| CLIC R 96-670                        | 67,5  | 70    | 9  |            |
| CLIC R 96-690                        | 69,5  | 72    | 9  |            |
| CLIC R 96-690 SP                     | 69,5  | 72    | 9  |            |
| CLIC R 96-700                        | 70,5  | 73    | 9  |            |
| CLIC R 96-705                        | 71    | 73,5  | 9  |            |
| CLIC R 96-710                        | 71,5  | 74    | 9  |            |
| CLIC R 96-725                        | 73    | 75,5  | 9  |            |
| CLIC R 96-730                        | 73,5  | 76    | 9  |            |
| CLIC R 96-735                        | 74    | 76,5  | 9  |            |
| CLIC R 96-740                        | 74,5  | 77    | 9  |            |
| CLIC R 96-745                        | 75    | 77,5  | 9  |            |
| CLIC R 96-750                        | 75,5  | 78    | 9  |            |
| CLIC R 96-750 SP                     | 75,5  | 78    | 9  |            |
| CLIC R 96-755                        | 76    | 78,5  | 9  |            |
| CLIC R 96-760                        | 76,5  | 79    | 9  |            |
| CLIC R 96-765                        | 77    | 79,5  | 9  |            |
| CLIC R 96-770                        | 77,5  | 80    | 9  |            |
| CLIC R 96-780                        | 78,5  | 81    | 9  |            |
| CLIC R 96-785                        | 79    | 81,5  | 9  |            |
| CLIC R 96-790                        | 79,5  | 82    | 9  |            |
| CLIC R 96-800                        | 80,5  | 83    | 9  |            |
| CLIC R 96-810                        | 81,5  | 84    | 9  |            |
| CLIC R 96-815                        | 82    | 84,5  | 9  |            |
| CLIC R 96-820                        | 82,5  | 85    | 9  |            |
| CLIC R 96-820 SP                     | 82,5  | 85    | 9  |            |
| CLIC R 96-825                        | 83    | 85,5  | 9  |            |
| CLIC R 96-830                        | 83,5  | 86    | 9  |            |
| CLIC R 96-845                        | 85    | 87,5  | 9  |            |
| CLIC R 96-850                        | 85,5  | 88    | 9  |            |
| CLIC R 96-855                        | 86    | 88,5  | 9  |            |
| CLIC R 96-870                        | 87,5  | 90    | 9  |            |
| CLIC R 96-890                        | 89,5  | 92    | 9  |            |
| CLIC R 96-910                        | 91,5  | 94    | 9  |            |
| CLIC R 96-960 SP                     | 96,5  | 99    | 9  |            |
| CLIC R 96-1005                       | 101   | 103,5 | 9  |            |
| CLIC R 96-1030                       | 103,5 | 106   | 9  |            |
| CLIC R 96-1235                       | 124   | 126,5 | 9  |            |

| Designation         | IA    | IA    | D* | Band width |
|---------------------|-------|-------|----|------------|
|                     | mm    | mm    | mm | mm         |
| CLIC R 109-260      | 26,5  | 28,5  | 10 |            |
| CLIC R 109-270 PO7  | 27,5  | 29,5  | 10 |            |
| CLIC R 109-270 SP   | 27,5  | 29,5  | 10 |            |
| CLIC R 109-280 PO7  | 28,5  | 30,5  | 10 |            |
| CLIC R 109-285 PO7  | 29    | 31    | 10 |            |
| CLIC R 109-305 SP   | 31    | 33    | 10 |            |
| CLIC R 109-315 PO7  | 32    | 34    | 10 |            |
| CLIC R 109-365 PO7  | 37    | 39    | 10 |            |
| CLIC R 109-375 PO7  | 38    | 40    | 10 |            |
| CLIC R 109-415 PO7  | 42    | 44    | 10 |            |
| CLIC R 109-750 PO7  | 75,5  | 77,5  | 10 |            |
| CLIC R 109-770 PO7  | 77,5  | 79,5  | 10 |            |
| CLIC R 109-780 PO7  | 78,5  | 80,5  | 10 |            |
| CLIC R 109-805 PO7  | 81    | 83    | 10 |            |
| CLIC R 109-825 PO7  | 83    | 85    | 10 |            |
| CLIC R 109-835 PO7  | 84    | 86    | 10 |            |
| CLIC R 109-865 PO7  | 87    | 89    | 10 |            |
| CLIC R 109-880 PO7  | 88,5  | 90,5  | 10 |            |
| CLIC R 109-885 PO7  | 89    | 91    | 10 |            |
| CLIC R 109-890 PO7  | 89,5  | 91,5  | 10 |            |
| CLIC R 109-910 PO7  | 91,5  | 93,5  | 10 |            |
| CLIC R 109-930 PO7  | 93,5  | 95,5  | 10 |            |
| CLIC R 109-945 PO7  | 95    | 97    | 10 |            |
| CLIC R 109-970 PO7  | 97,5  | 99,5  | 10 |            |
| CLIC R 109-995 PO7  | 100   | 102   | 10 |            |
| CLIC R 109-1000 PO7 | 100,5 | 102,5 | 10 |            |
| CLIC R 109-1055 PO7 | 106   | 108   | 10 |            |
| CLIC R 109-1150 PO7 | 115,5 | 117,5 | 10 |            |



## 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).

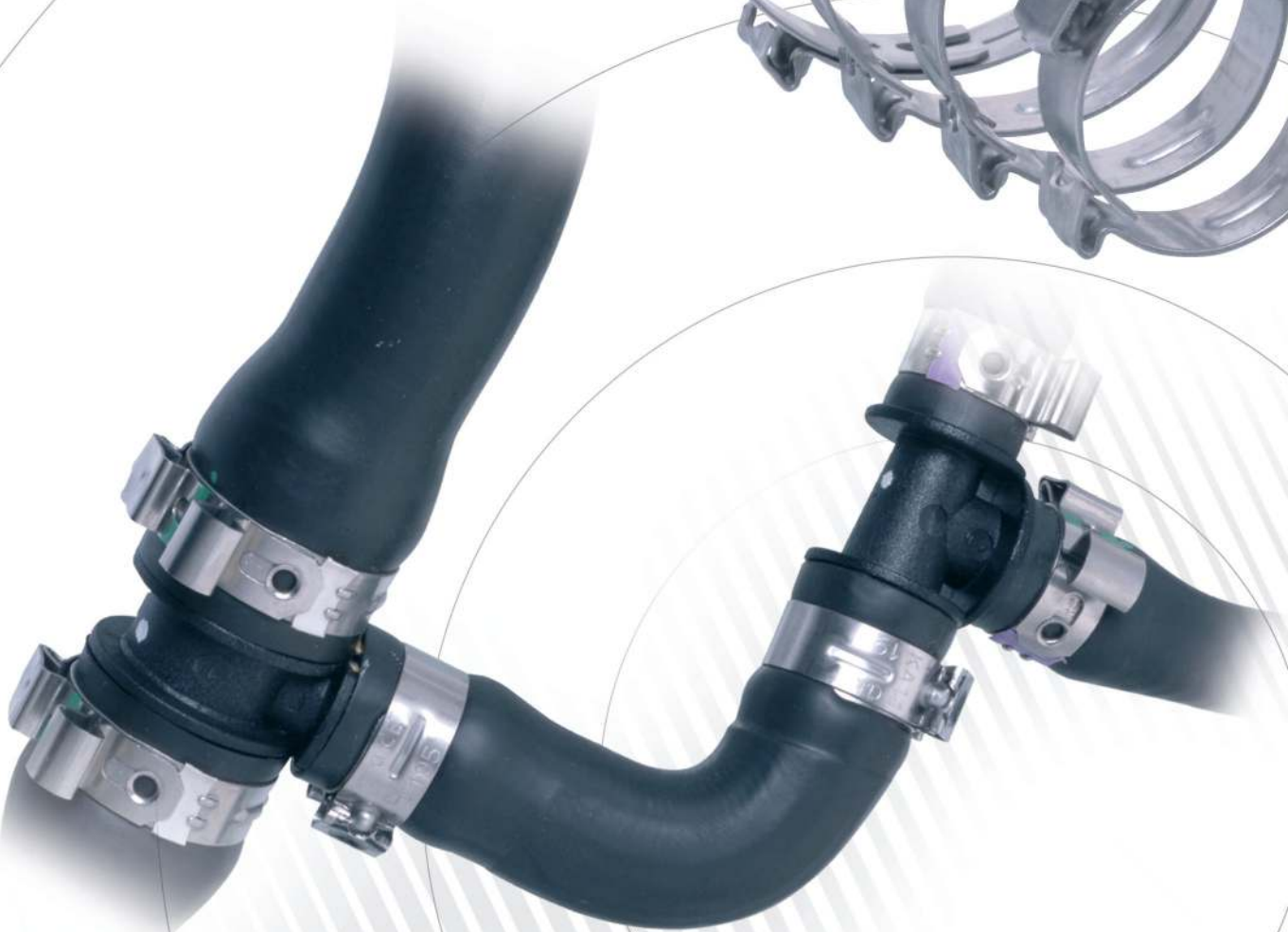
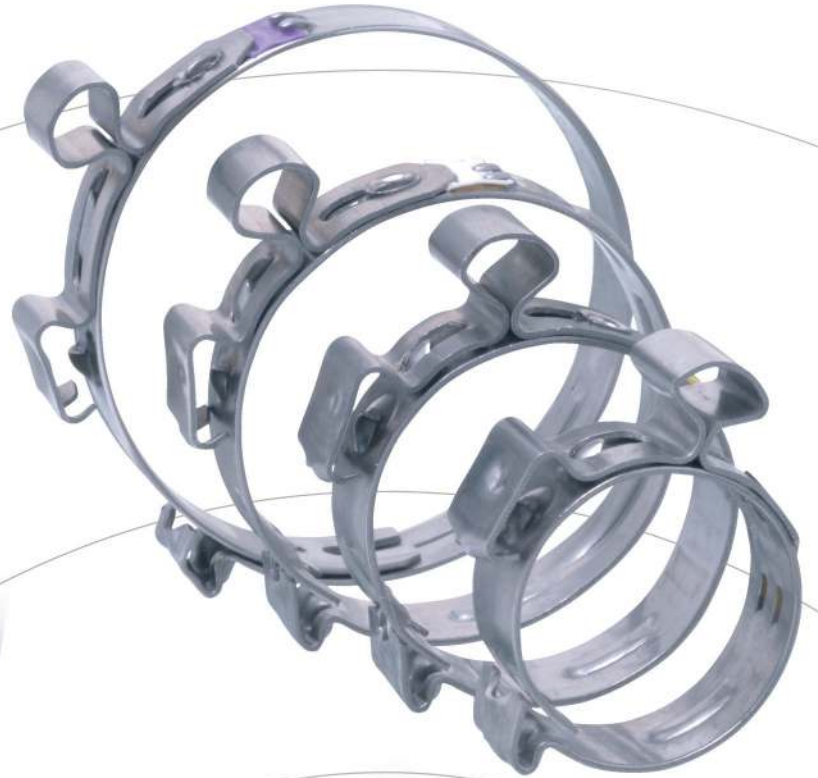
Please contact our sales team who will introduce you to the whole range of CAILLAU® fitting tools and help you define which is best suited to your requirements.



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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

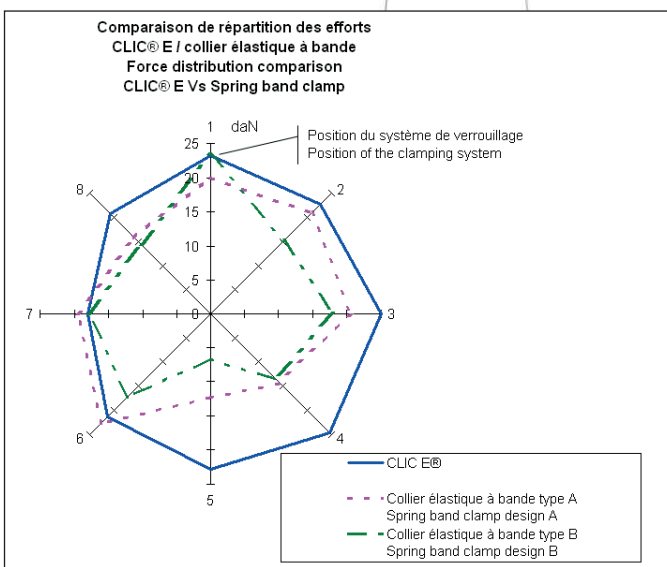
Ensure a tight fitting between a pipe-end and a hose at temperatures ranging from -40°C to +140°C.

## 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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