

## TECHNICAL DATA SHEET

# Plastic pipe clamp CLIC 8–64

## 1. Product description

The most efficient mounting system for pipes, cables and many other applications. Diameter dimensions ranging from 8 to 64 mm for the indoor area.

## 2. Application areas

- Electrical installation of all kinds in the indoor area
- Installation technology
- Installations within the chemical industry
- Sanitary installations / hot and cold water pipes

## 3. Features

- One-piece, self locking plastic pipe clamp
- Tool-free installation system
- Very high dynamic load and stress corrosion crack stability
- Very low moisture absorption
- Chloride- and weather resistant
- UV resistant (for the exterior)
- Wide range of mounting temperature from -25 °C to +90 °C
- Mounting with metrical or wood screws
- Approved by: KIWA (ø 8–51 mm), UL (1565/2043)
- 100 % made in Switzerland

## 4. Material data

Material quality	Polymerblend
Density at +20 °C	1.21 g/cm <sup>3</sup>
Elongation at yield	5 %
E-Modulus in tension	2100 MPa
Water absorption at 23 °C	0.50 %
Moisture absorption (23 °C / 50 % r.F.)	0.15 %
Dielectric strength	33 kV/mm
Weather proof	-25 °C up to +90 °C
Maximum service temperature short term	+120 °C
Maximum service temperature long term	+90 °C
Flammability	HB according to UL 94
Impact value (Charpy, +23 °C)	56 kJ/m <sup>2</sup>
Impact value (Charpy, -30 °C)	29 kJ/m <sup>2</sup>
Halogen	halogen free as per IEC 754-2
Petrol, diesel, oil	resistant
Corrosion	resistant
Chloride salt	resistant
UV	resistant as per ISO 4892-2
Standard colours	light grey (similar to RAL 7035)

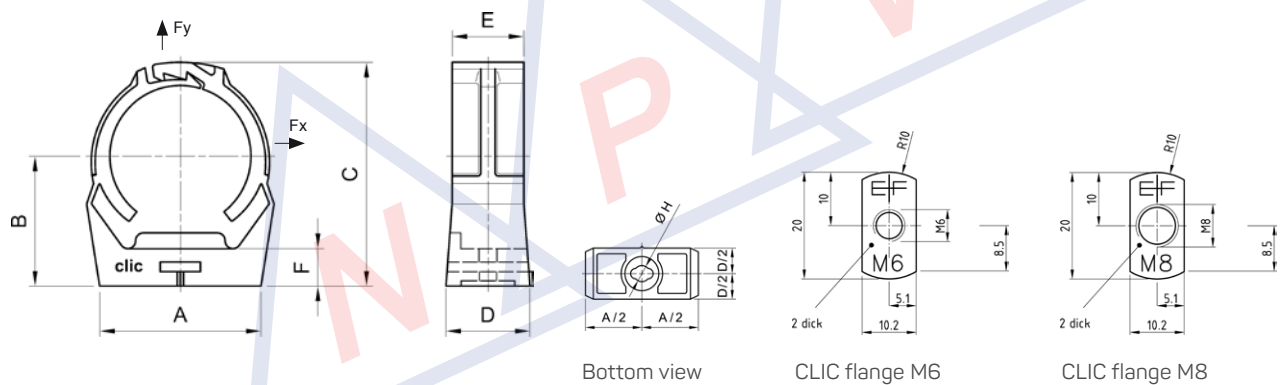


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5. Technical data

Type	Clamping range [mm]		A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H*		Breaking load [N] Fy/Fx**
	min.	max.							wood [mm]	metric	
8	7.8	9.5	17.1	17.5	26.4	17.1	14.5	7.5	3.5	M6	450
10	9.5	11.8	17.1	17.5	26.2	17.1	14.5	7.5	3.5	M6	470
12	11.8	14.3	20.2	19.5	28.3	17.2	14.5	7.5	3.5	M6	500
15	14.3	16.8	20.6	18.8	32.0	17.1	14.5	7.5	3.5	M6	650
17	16.8	19.5	22.5	23.7	35.4	19.5	16.0	7.8	4.5	M6	700
20	19.5	21.8	24.8	24.9	39.4	20.0	16.3	7.8	4.5	M6	750
22	21.8	24.8	27.8	26.0	42.0	20.0	16.5	7.8	4.5	M6	800
25	24.8	27.8	30.4	28.0	45.1	20.0	17.0	8.8	4.5	M6	900
28	27.8	31.2	33.4	31.7	48.9	20.2	17.0	8.8	4.5	M6	950
32	31.2	35.5	38.0	34.5	54.4	21.0	17.5	9.0	4.5	M6 / M8	1100
36	35.5	39.5	41.8	36.5	59.4	21.0	18.0	9.1	4.5	M6 / M8	1200
40	39.5	43.5	46.2	38.2	64.2	21.0	18.6	9.4	4.5	M6 / M8	1350
47	46.5	50.5	53.5	43.0	72.8	22.0	19.5	9.8	4.5	M6 / M8	1400
51	50.5	55.5	58.6	46.8	78.7	23.0	20.0	10.2	4.5	M6 / M8	1500
59	58.5	64.0	66.3	52.0	88.2	23.2	21.0	10.7	4.5	M6 / M8	1600

\* H = screw diameter; wood screw (wood) / metal screw (metric)  
 \*\* with screw DIN 96 at +20 °C, safety factor must be considered!



6. Selection guide

Type	Steel pipe		Copper pipe mm	Cast iron pipe mm	PE pipe mm	PVC pipe mm	Cable-ducts metric measures M	Coaxial cable inch	Certification		Breaking load [N] Fy/Fx**
	mm	inch							Kiwa	UL	
8							8		✓	✓	450
10			10				10		✓	✓	470
12	13.5	½"	12				12		✓	✓	500
15			15				16	½"	✓	✓	650
17	17.2	¾"	18						✓	✓	700
20	21.3	½"					20	⅝"	✓	✓	750
22			22						✓	✓	800
25	26.9	¾"					25		✓	✓	900
28			28					⅞"	✓	✓	950
32	33.7	1"	35		32	32	32		✓	✓	1100
36								1¼"	✓	✓	1200
40	42.4	1¼"	42		40	40	40		✓	✓	1350
47	48.3	1½"		48	50	50	50	1⅝"	✓	✓	1400
51			54						✓	✓	1500
59	60.3	2"	64			63			✓	✓	1600

\*\* with screw DIN 96 at +20 °C, safety factor must be considered!

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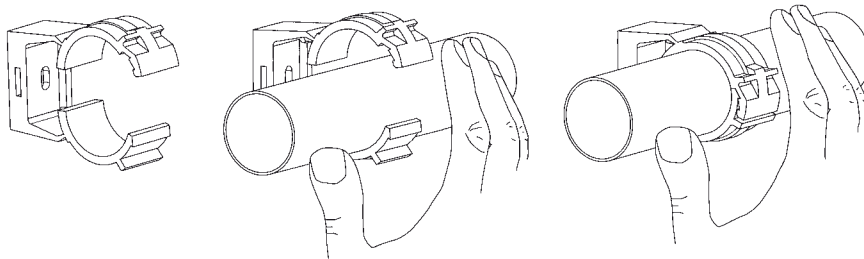
7. Chemical resistance

Material	Concentration	Resistance at +23 °C
Acetic acid	5%	●●
Acetone		●
Acetylene		●●●
Ammonia	liquid	●●
Benzine		●●●
Brake fluid		●●●
Butane		●●●
Butanol		●●
Butyl acetate		●●
Carbon monoxide		●●●
Carbon tetrachloride		●
Carbonic acide		●●●
Caustic potash	10%	●
Chlorobenzene		●
Chlorine gas		●
Chloroform		●
Citric acid	10%	●●●
Decalin		●●
Dibutylphthalate		●●
Diesel fuel		●●●
Dimethyl formamide		●
Dimethylether		●●
Diethylphthalate		●●
Dioxan		●
Engine oil		●●●
Ethanol		●●●
Ethyl acetate		●●
Ethyl ether		●●●
Ethylene oxide		●●●
Fatty acide		●●
Fatty alcohol		●●●
Formic acide	10%	●●●
Glycerine		●●●
Glycol		●●●
Glysantine		●●●
Heating oil		●●●

Material	Concentration	Resistance at +23 °C
Heptane, Hexane		●●●
Hydraulic oil		●●
Hydrochloric acid	10%	●●●
Hydrogen fluoride		●●
Inert gas		●●●
Iso-octane		●●●
Isopropanol		●●●
Ketone aliphatic		●
Lacquer		●●●
Methanol		●●●
Methylene chloride		●
Mineral oil		●●●
Naphaline		●●
Nitric acid	10%	●●
Nitrohydrochloric acid		●
Oleum		●
Ozone		●
Paraffin		●●●
Perchloric acid		●
Petroleum ether		●●●
Phosphoric acid	10%	●●●
Potassium hypochlorite		●●●
Silicon oils		●●●
Sodium hydroxide	10%	●
Soldering water		●●
Styrol		●●
Sulphuric acid	10%	●●●
Tetrahydrofurene		●
Toluene		●●
Transmission oil		●●●
Trichlorethane		●
Trichlorethylene		●
Turpentine		●●
Turpentineoilreplacem.		●●
Xylene		●●

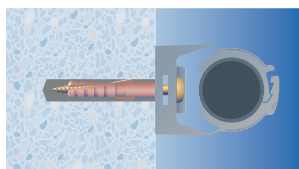
●●● resistant | ●● limited resistance | ● not resistant | ○ soluble, greatly affected

### 8. Installation/mounting

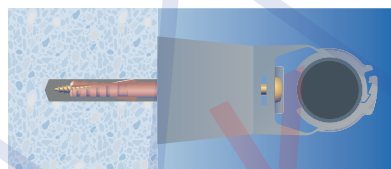


Simply mount CLIC, push pipe in by hand, grips and locks by applying slight pressure.  
To open: unlock the CLIC latch with screwdriver.

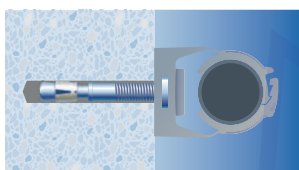
#### Examples of concrete base-materials



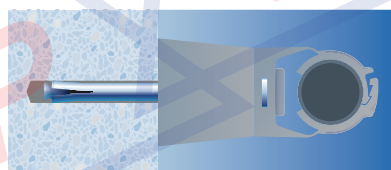
wood screw,  
DELTA nylon plug



wood screw,  
CLIC spacer,  
DELTA nylon plug

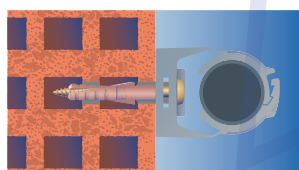


TILCA anchor bolt,  
CLIC flange or  
TILCA fire resisting anchor,  
CLIC flange or  
TILCA nail plug,  
CLIC flange

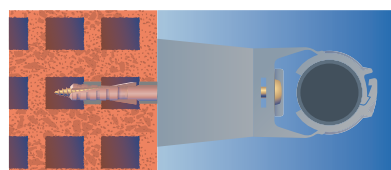


CLIC spacer,  
TILCA fire resisting anchor,  
CLIC flange

#### Examples of brickwork base-materials



wood screw,  
DELTA nylon plug or  
TILCA nail plug



wood screw,  
CLIC spacer,  
DELTA nylon plug

### 9. Testings/authorizations/specifications/compliance

KIWA (ø 8-51 mm)  
UL  
REACH, RoHS

### 10. Safety data sheet

not required

## 11. Manufacturer/brand/production

EFCO Fixing Technology Ltd  
Grabenstrasse 1 · 8606 Nänikon · Switzerland

**clic**<sup>®</sup> CLIC is a registered international trademark of EFCO and is 100 % Swiss made.  
The CLIC technology is protected by Swiss and international patents held by EFCO.

## 12. Accessories

Further accessories, e.g. spacers, base plates for multiple mountings, are available.

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*The recommendations and data given are based on our experience to date and are standard values. No liability can be assumed in connection with their usage and processing. In individual cases the chemical resistance has to be verified by your own testings. For further technical information please refer to EFCO.*