

# Plastic pipe clamp CLIC 8–64

## Technical data sheet

1/2015 1

### 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, UL (1565/2043)
- 100 % made in Switzerland

### 4. Material data

Material quality	Polymerblend
Density at +20 °C	1.21g/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 %



### Fixing Technology

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## TDS Plastic pipe clamp CLIC 8–64

1/2015 2

### 4. Material data (cont.)

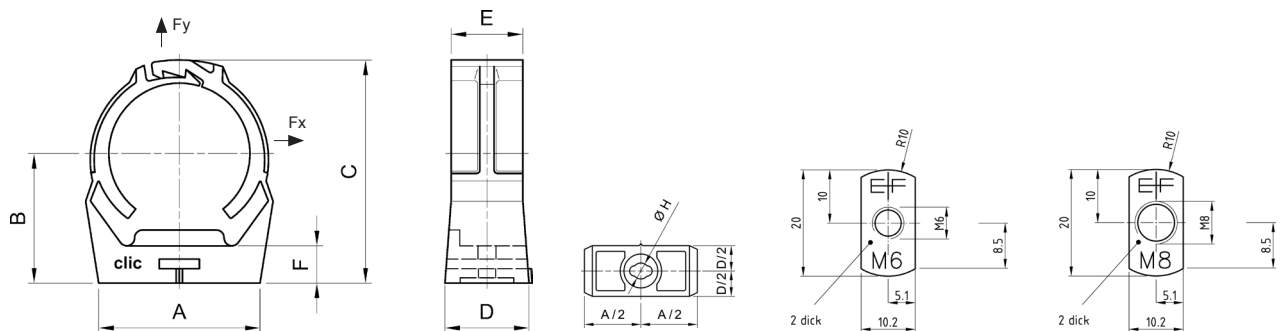
Dielectric strength	32 kV/mm
Weather proof	–25 °C up to +90 °C
Maximum service temperature short term	+120 °C
Maximum service temperature long term	+90 °C
Flammability	HB according to UL 94
Impact value (Charpy, +23 °C)	56 kJ/m <sup>2</sup>
Impact value (Charpy, –30 °C)	29 kJ/m <sup>2</sup>
Halogen	halogen free as per IEC 754-2
Petrol, diesel, oil	resistant
Corrosion	resistant
Chloride salt	resistant
UV	stabilized as per ISO 4892-2
Standard colours	light grey (similar to RAL 7035)

### 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!



Bottom view

CLIC flange M6

CLIC flange M8

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1/2015 3

### 6. Selection guide

Type	Steel pipe		Copper pipe	Cast iron pipe	PE pipe	PVC pipe	Cable-ducts	Coaxial cable	Certification		Breaking load [N]
	mm	inch	mm	mm	mm	mm	metric measures M	inch	Kiwa	UL	Fy/Fx*
8							8			✓	450
10			10				10		✓	✓	470
12	13.5	1/4"	12				12		✓	✓	500
15			15			16	16	1/2"	✓	✓	650
17	17.2	3/8"	18						✓	✓	700
20	21.3	1/2"				20	20	5/8"	✓	✓	750
22			22						✓	✓	800
25	26.9	3/4"				25	25		✓	✓	900
28			28					7/8"	✓	✓	950
32	33.7	1"	35		32	32	32		✓	✓	1100
36								1 1/4"	✓	✓	1200
40	42.4	1 1/4"	42		40		40		✓	✓	1350
47	48.3	1 1/2"		48	50	50	50	1 5/8"	✓	✓	1400
51			54						✓	✓	1500
59	60.3	2"	64			63				✓	1600

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

### 7. Chemical resistance

Material	Concentration	Resistance at +23 °C	Material	Concentration	Resistance at +23 °C	Material	Concentration	Resistance at +23 °C
Acetic acid	5%	●●	Ethyl ether		●●●	Perchloric acid		●
Acetone		●	Ethylene oxide		●●●	Petroleum ether		●●●
Acetylene		●●●	Fatty acid		●●	Phosphoric acid	10%	●●●
Ammonia	liquid	●●	Fatty alcohol		●●●	Potassium hypochlorite		●●●
Benzine		●●●	Formic acid	10%	●●●	Silicon oils		●●●
Brake fluid		●●●	Glycerine		●●●	Sodium hydroxide	10%	●
Butane		●●●	Glycol		●●●	Soldering water		●●
Butanol		●●	Glystantine		●●●	Styrol		●●
Butyl acetate		●●	Heating oil		●●●	Sulphuric acid	10%	●●●
Carbon monoxide		●●●	Heptane, Hexane		●●●	Tetrahydrofurene		●
Carbon tetrachloride		●	Hydraulic oil		●●	Toluene		●●
Carbonic acid		●●●	Hydrochloric acid	10%	●●●	Transmission oil		●●●
Caustic potash	10%	●	Hydrogen fluoride		●●	Trichlorethane		●
Chlorobenzene		●	Inert gas		●●●	Trychlorethylene		●
Chlorine gas		●	Iso-octane		●●●	Turpentine		●●
Chloroform		●	Isopropanol		●●●	Turpentine oil replacem.		●●
Citric acid	10%	●●●	Ketone aliphatic		●	Xylene		●●
Decalin		●●	Lacquer		●●●			
Dibutylphthalate		●●	Methanol		●●●			
Diesel fuel		●●●	Methylene chloride		●			
Dimethyl formamide		●	Mineral oil		●●●			
Dimethylether		●●	Naphaline		●●			
Diocetylphthalate		●●	Nitric acid	10%	●●			
Dioxan		●	Nitrohydrochloric acid		●			
Engine oil		●●●	Oleum		●			
Ethanol		●●●	Ozone		●			
Ethyl acetate		●●	Paraffin		●●●			

●●● resistant | ●● limited resistance | ● not resistant

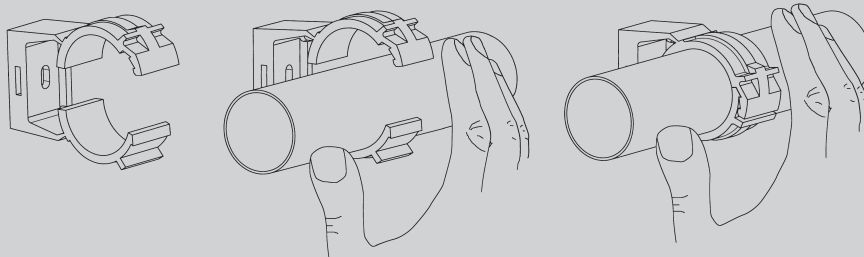
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## 8. Installation/mounting

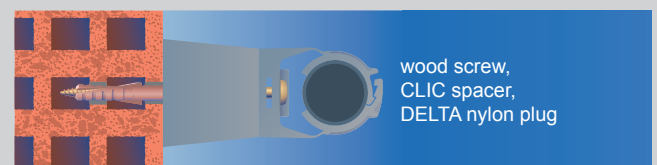


Simply mount CLIC, push pipe in by hand, grips and locks by applying slight pressure.  
To open: unlock the CLIC latch with screwdriver.

### *Examples of concrete base-materials*



### *Examples of brickwork base-materials*



## 9. Testings/authorizations/specifications/compliance

KIWA  
UL  
REACH, RoH

## 10. Safety data sheet

not required

## 11. Manufacturer/brand/production

**Egli, Fischer & Co. Ltd., Zurich**

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CLIC is a registered international trademark of Egli Fischer and is 100 % Swiss made.

The CLIC technology is protected by Swiss and international patents held by Egli Fischer.



## 12. Accessories

Further accessories, e.g. spacers, base plates for multiple mountings, are available at the EF Shop (online) or are listed in the EF catalogue (print or PDF).

## 13. Links/downloads

For further information:

<b>EF Shop</b>	<a href="http://shop.efco.ch">http://shop.efco.ch</a>
<b>EF Website</b>	<a href="http://www.efco.ch">http://www.efco.ch</a>
<b>CLIC-Website</b>	<a href="http://www.clic-original.com">http://www.clic-original.com</a>

*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 Egli Fischer.*

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