

Plastic pipe clamp CLIC TOP 63–127

Technical data sheet

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1. Product description

The most efficient mounting system for pipes, cables and many other applications.
Diameter dimensions ranging from 63 to 127 mm for the exterior and the indoor area, as well as tunnels.

2. Application areas

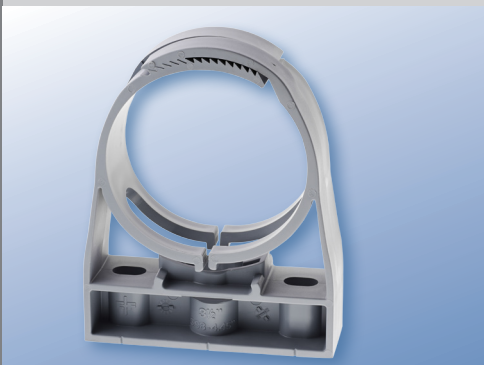
- Building drainage
- Installation technology
- Chemical industry
- Electrical installations for infrastructure
- Sanitary installations

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 (suitable for wet locations)
- Chloride- and weather resistant
- UV resistant (for the exterior area)
- Wide range of mounting temperature from -30 °C to +110 °C
- Mounting with metrical or wood screws
- Approved by: UL (1565/2043)
- 100 % made in Switzerland

4. Material data

Material quality	Polyamide PA 12
Density at +20 °C	1.01g/cm ³
Elongation at yield	12 %
E-Modulus in tension	1100 MPa
Water absorption at 23 °C	1.50 %



Fixing Technology

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TDS Plastic pipe clamp CLIC TOP 63–127

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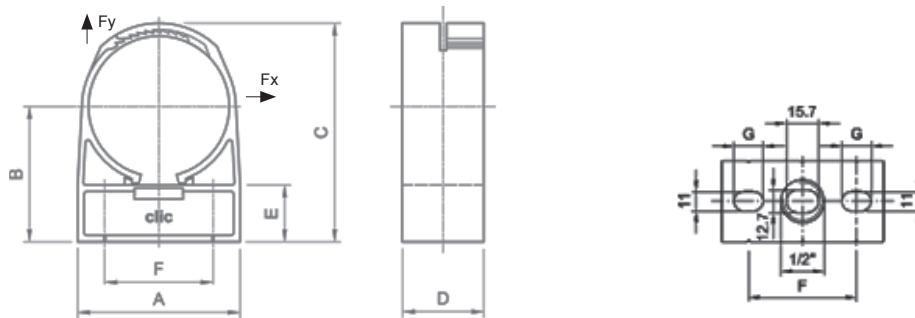
4. Material data (cont.)

Moisture absorption (23 °C / 50 % r.F.)	0.70 %
Dielectric strength	32 kV/mm
Weather proof	–30 °C up to +110 °C
Maximum service temperature short term	+150 °C
Maximum service temperature long term	+110 °C
Flammability	HB according to UL 94
Impact value (Charpy, +23 °C)	7 kJ/m ²
Impact value (Charpy, –30 °C)	6 kJ/m ²
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	dark grey (similar to RAL 7001)

5. Technical data

Type	Clamping range [mm]		A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Breaking load [N]	
	min.	max.								Fy*	Fx*
63	63	71	78	72	115	40	31	52	11	1800	1000
71	71	80	87	77	124	40	31	58	15	2200	1300
80	80	90	98	83	136	40	31	66	16	2600	1600
90	90	101	110	89	148	40	31	76	16	3000	1900
101	101	113	124	96	163	40	31	86	17	3500	2200
113	113	127	139	105	180	40	31	102	17	4000	2500

* with 2 screws Ø8 mm DIN 571 at +20 °C, safety factor must be considered!



Bottom view

6. Selection guide

Type	Steel pipe		Copper pipe	Cast iron pipe	PE pipe	PVC pipe	Cable-ducts metric measures M	Certification UL	Breaking load [N]	
	mm	inch							Fy*	Fx*
63					63		63	✓	1800	1000
71	76,1	2 1/2"	76	78	75	75		✓	2200	1300
80	88,9	3"	89					✓	2600	1600
90					90			✓	3000	1900
101			108	110	110	110		✓	3500	2200
113	114,3	4"	114		125	125		✓	4000	2500

* with 2 screws Ø8 mm DIN 571 at +20 °C, safety factor must be considered!

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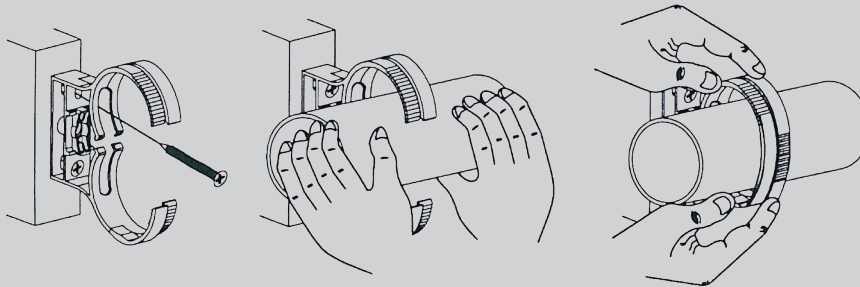
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7. Chemical resistance

Material	Concentration	Resistance at +23 °C	Material	Concentration	Resistance at +23 °C	Material	Concentration	Resistance at +23 °C
Acetic acid		●●	Glycol		●●●	Salicylic acid		●●●
Acetone		●●●	Heating oil		●●●	Sea water		●●●
Acetylene		●●●	Heptane		●●●	Silicon oils		●●●
Aluminium salts	aqueous	●●●	Hydraulic oil		●●●	Soap suds		●●●
Ammonia	aqueous	●●●	Hydrochloric acid	1 %	●●	Soda	10 %	●●●
Amylacetate		●●	Hydrochloric acid	10 %	●	Soda	50 %	●●●
Aniline		●●	Hydrogen peroxide	20 %	●●	Sodium chloride	saturated	●●●
Antifreeze		●●●	Hydrosulphide		●●●	Sodium hydroxide	10 %	●●●
Benzene		●●●	Iodine tincture		○	Sodium hydroxide	50 %	●●●
Benzine		●●●	Iso-octane		●●●	Sodium silicate		●●●
Benzyl alcohol		●	Isopropanol		●●●	Sodium sulphate	concentrated	●●●
Bromine		●	Kaliumpermanganat		○	Starch		●●●
Butane		●●●	Kerosene		●●●	Stearic acid		●●●
Butanol		●●●	Lactic acid		●●	Stearin		●●●
Carbon tetrachloride		●●	Magnesium chloride	10 %	●●●	Styrene		●●●
Caustic potash	10 %	●●●	Mercury		●●●	Sulphur dioxide		●●
Caustic potash	50 %	●●●	Methane		●●●	Sulphuric acid	10 %	●●
Chlorobenzene		●	Methanol		●●	Sulphuric acid	concentrated	●
Chlorine		○	Methylene chloride		●	Table salt		●●●
Chloroform		●	Milk		●●●	Tallow		●●●
Citric acid		●●	Mineral oil		●●●	Tartaric acid		●●●
Copper sulphate		●●●	Naphthalene		●●●	Tetralin		●●●
Cresol		○	Nitric acid		○	Toluene		●●●
Decalin		●●●	Nitrobenzene		●●	Transformer oil		●●●
Eatable fat		●●●	Oils		●●●	Trichlorethane		●●
Engine oil		●●●	Oleic acid		●●●	Trichlorethylene		●●
Ethanol		●●●	Oleum		○	Turpentine		●●●
Ether		●●●	Oxalic acid		●●●	Urea		●●●
Ethyl acetate		●●●	Oxygen		●●●	Uric acid		●●●
Ethylene oxide		●●●	Ozone		●	Urine		●●●
Fats		●●●	Paraffin oil		●●●	Vaseline		●●●
Fluorine gas		●	Perchlorethylene		●●●	Vinegar		●●●
Formaldehyde		●●	Petroleum		●●●	Water		●●●
Formic acid	concentrated	●	Petroleum ether		●●●	Wax		●●●
Frigen	liquid F12	●●●	Phenol		●	Xylene		●●●
Frigen	liquid F22	●	Potash		●●●	Zinc chloride	aqueous	●●●
Fuel		●●●	Propane		●●●			
Glycerine		●●●	Pyridine		●●●			

●●● 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.

9. Testings/authorizations/specifications/compliance

UL
REACH, RoHS

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.

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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:

EF Shop	http://shop.efco.ch
EF Website	http://www.efco.ch
CLIC-Website	http://www.clic-original.com

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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