

TECHNICAL DATA SHEET

EFCO CLIC® SKH Radiating cable clamp

1. Product description

One-piece, self-closing plastic pipe clamp for the fixing of radiating cables in road and railway tunnels and buildings.

2. Application areas

- Fixing of radio cable in tunnel construction
- Electrical installation in infrastructure buildings

3. Features

- Simple and quick assembly
- Closing system without additional screws
- Secure closure, no opening
- Fixed wall distance 80 mm
- Integrated fire protection device
- Anchor and screw anchoring with standard products as well as bolt setting technology possible

4. Material data

Material quality	PK
Density at +20 °C	1.24 g/cm ³
Elongation at yield	18 %
Tensile modulus of elasticity	1500 MPa
Moisture absorption (23 °C/50 % r. h.)	0.50 %
Climate resistant	+90 °C
Mounting temperature	-20 to +90 °C
Max. operating temperature short-term	+100 °C
Max. service temperature continuously	+90 °C
Melting temperature	+220 °C
Flammability	HB according to UL94
Impact strength (Charpy, +23 °C)	15 kJ/m ²
Impact strength (Charpy, -40 °C)	5 kJ/m ²
Halogen	Halogen free
Fire load	33.0 MJ/kg
UV	resistant
Standard colour	black
Special colours	on request
Chemical resistance	higher chemical resistance than PA6



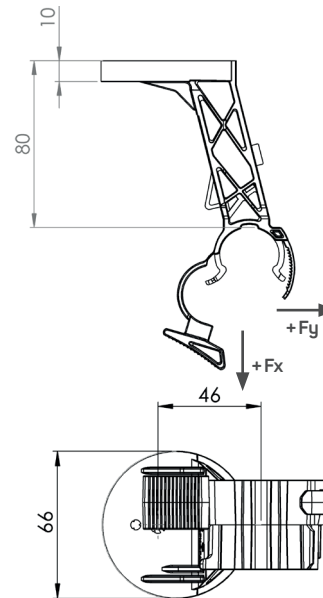
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5. Technical data

Fatigue strength F_y^* +100 N/-70 N: >1 mio load change

Type	Clamping range [mm]		weight per pcs g	calorific /energy value	perm. load [N]	
	min.	max.			F_y^*	F_x^*
SKH ½"	13.7	16.2	66.7	0.132 MJ	300	300
SKH ⅞"	26.5	29.5	71.3	0.297 MJ	300	300
SKH 1 ¼"	37	39	74.8	0.462 MJ	300	300
SKH 1 ½"	44.2	50	77.3	0.693 MJ	300	300

* see sketch (mm)



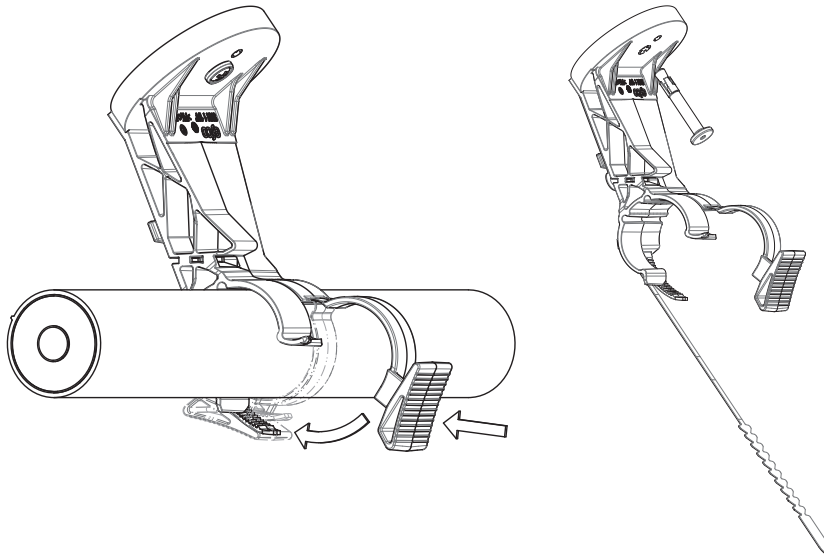
6. Chemical resistance

Medium Change	Test temperature °C	Test duration Mth	Yield stress in tensile test (change in %)	Weight change [%]
Fuels				
gasoline	23	24	0	0
gasoline	45	12	0	1
carburetor fuel, 15% methanol	23	12	-11*	5*
MTBE	23	12	0	1
aviation fuel	23	24	0	0
Lubricant				
engine oil	23	24	0	0
engine oil	120	6	+6	0
brake fluid	23	24	+6	0
brake fluid	120	6	+10	5
hydraulic fluid	23	24	0	0
Solvent				
acetone	80	12	0	5
butyl acetate	80	12	+10	2
dichloroethane	23	12	-12	0
dimethylformamide	23	12	-10	5
heptane	23	12	0	0
methanol	23	12	-11	2
ethanol	23	12	-8	2
methyl ethyl ketone	23	6	-4	2
toluene	80	12	+10	4
trichloroethane	80	12	0	5
Aqueous solutions				
water	23	24	-3	2
ethylene glycol, 50%	45	12	+8	1
zinc chloride, 10%	23	12	-4	2
sodium chloride, 10%	23	12	0	0
acetic acid, 5%	23	12	0	3
hydrochloric acid, 10%	23	12	0	2
caustic soda solution, 1%	23	12	0	1
sodium hypochlorite, 5%	80	6	+6	-2

* Low plasticity by methanol, no change in properties after drying

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7. Installation/mounting



8. Accessories for fire resistance

Fire resistance strap

Types	Material	Fire resistance* at 100 N load	Fire resistance* at bei 50 N load
FSB ½"; FSB ¾"; FSB 1 ¼"; FSB 1 ½"	1.4401	> 45 min.	> 75 min

* according to EN 1363-1:2012-10

9. Testings/authorizations/compliance

- SKH: Tensile tests, transverse tensile tests
- SKH: fatigue test
- SKH: Load test at 80 °C
- FSB: fire resistance test

Components are not subject to any standard or EAD.

Conformity of production according to the quality management system IATF 16949:2016 ensured

10. Safety data sheet

not required

11. Manufacturer/brand/production

EFCO Fixing Technology Ltd
 Grabenstrasse 1 · 8606 Nänikon · Switzerland

CLIC is a registered international trademark of EFCO and is 100 % Swiss made. CLIC SKH patent pending.

12. Accessories

Further accessories can be found in the EFCO CLIC product catalogue.

13. Links/downloads

For further information:

EFCO Website/EFCO Shop <http://www.efco.swiss>
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 EFCO.