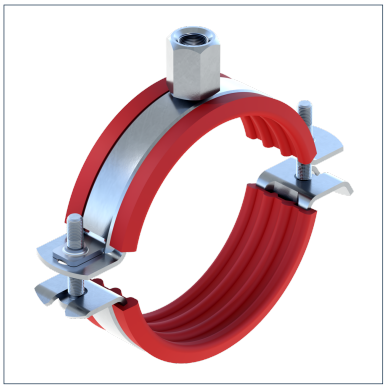
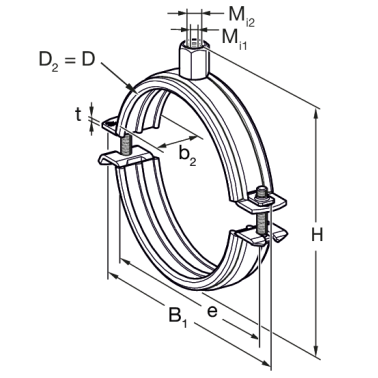
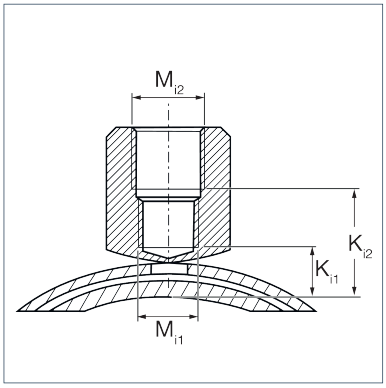
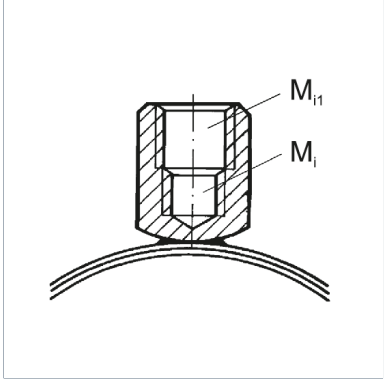
Pipe Clamp RATIO LS SIL









General Information

Two-piece pipe clamp with double thread nut (M8/M10) for installing pipe systems for M&E services. Suitable for soundproof installation of pipes made of plastic, copper, steel (also stainless steel), mainly for high temperatures. With a time-saving quick-set clip. From 3' on, or when higher static loads occur, or under reversed bending stress, we recommend the use of a Stabil pipe clamp with silicone lining.

Installation

After pressing together both parts of the clamp, the clamping bolt head must be located behind the angled profiles; then tighten clamping bolt (2 Nm).

Temperature

Max. temperature insulation	200 °C
Min. temperature insulation	-60 °C

Mechanical Properties

Insertion isolation	16 dB(A)

Material Properties

Halogen-free	0
UV-resistant	0

Material

Primary element material	steel
Isolating element material	silicone
Connecting element material	steel
Attachments	Return spring made of spring steel sheet
Surface finish	electro galvanized (Fe//Zn)
Corrosion protection class	C2

Forces

Type	-V{Z,perm.}
RATIO LS SIL. 12 - 20	0.60 kN
RATIO LS SIL. 21 - 27	0.60 kN
RATIO LS SIL. 28 - 35	0.60 kN
RATIO LS SIL. 38 - 45	0.60 kN
RATIO LS SIL. 48 - 56	0.60 kN
RATIO LS SIL. 57 - 63	0.60 kN

Type	-V{Z,perm.}
RATIO LS SIL. 64 - 71	0.60 kN
RATIO LS SIL. 74 - 84	0.60 kN
RATIO LS SIL. 83 - 90	0.95 kN

Note on loadings

The recommended load is calculated using specific statistical methods relating to break load and is designed to restrict deflection to 1.5 mm or 2 % of the maximum applicable clamping diameter.

Types

Type	Size min.	Size max.	DN	Thread connection	Weight	Quantity	Part number
RATIO LS SIL. 12 - 20	12.00 mm	20.00 mm	DN 10 (3/8")	M8/M10	0.055 kg/ pcs.	100 pcs.	166401
RATIO LS SIL. 21 - 27	21.00 mm	27.00 mm	DN 20 (3/4")	M8/M10	0.061 kg/ pcs.	100 pcs.	166410
RATIO LS SIL. 28 - 35	28.00 mm	35.00 mm	DN 25 (1")	M8/M10	0.073 kg/ pcs.	100 pcs.	166429
RATIO LS SIL. 38 - 45	38.00 mm	45.00 mm	DN 32 (1 1/4")	M8/M10	0.084 kg/ pcs.	50 pcs.	166438
RATIO LS SIL. 48 - 56	48.00 mm	56.00 mm	DN 40 (1 1/2")	M8/M10	0.096 kg/ pcs.	50 pcs.	166447
RATIO LS SIL. 57 - 63	57.00 mm	63.00 mm	DN 50 (2")	M8/M10	0.103 kg/ pcs.	50 pcs.	166456
RATIO LS SIL. 64 - 71	64.00 mm	71.00 mm		M8/M10	0.116 kg/ pcs.	25 pcs.	166465
RATIO LS SIL. 74 - 84	74.00 mm	84.00 mm	DN 65 (2 1/2")	M8/M10	0.126 kg/ pcs.	25 pcs.	166474
RATIO LS SIL. 83 - 90	83.00 mm	90.00 mm	DN 80 (3")	M8/M10	0.160 kg/ pcs.	25 pcs.	166483

Dimensions

Type	B1	b2	D	D2	e	H	Mi1	Mi2	t	Ki1	Ki2
RATIO LS SIL. 12 - 20	58.6 mm	24.5 mm	18 mm	18 mm	40.3 mm	47.5 mm	M8	M10	1.5 mm	8.48 mm	14.93 mm
RATIO LS SIL. 21 - 27	65.3 mm	24.5 mm	26 mm	26 mm	44.5 mm	55.5 mm	M8	M10	1.5 mm	8.48 mm	14.93 mm
RATIO LS SIL. 28 - 35	76.8 mm	24.5 mm	36 mm	36 mm	56.5 mm	65.5 mm	M8	M10	1.5 mm	8.48 mm	14.93 mm
RATIO LS SIL. 38 - 45	88.1 mm	24.5 mm	46 mm	46 mm	68.5 mm	75.5 mm	M8	M10	1.5 mm	8.48 mm	14.93 mm
RATIO LS SIL. 48 - 56	99.5 mm	24.5 mm	58 mm	58 mm	78.9 mm	87.5 mm	M8	M10	1.5 mm	8.48 mm	14.93 mm

Pipe Clamp RATIO LS SIL

Type	B1	b2	D	D2	e	H	Mi1	Mi2	t	Ki1	Ki2
RATIO LS SIL. 57 - 63	108.2 mm	24.5 mm	66 mm	66 mm	88.1 mm	95.5 mm	M8	M10	1.5 mm	8.48 mm	14.93 mm
RATIO LS SIL. 64 - 71	116.8 mm	24.5 mm	74 mm	74 mm	97.1 mm	103.5 mm	M8	M10	1.5 mm	8.48 mm	14.93 mm
RATIO LS SIL. 74 - 84	124.5 mm	24.5 mm	83 mm	83 mm	103.2 mm	112.5 mm	M8	M10	1.5 mm	8.48 mm	14.93 mm
RATIO LS SIL. 83 - 90	136 mm	24.5 mm	94 mm	94 mm	119 mm	125.5 mm	M8	M10	2 mm	8.98 mm	15.43 mm

Certification

This product is has obtained the "RAL Gütezeichen Rohrbefestigung" and is subject to external surveillance according to RAL GZ-655.