

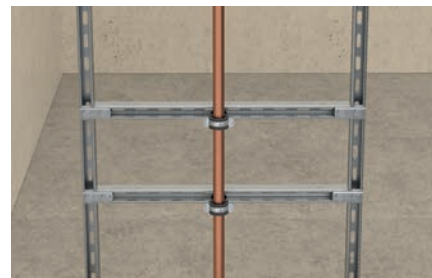
Pipe clamp FRS-L Universal

The light two-screw pipe clamp with a rapid locking mechanism and combination connection nut

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Cantilever construction with channel



Vertical installation

Applications

- For simple and easy fixing for pipes using threaded rods or stud screws.
- For use in dry interior areas.

Certificates



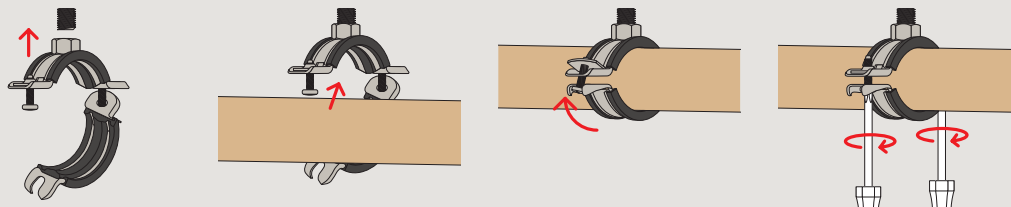
Advantages

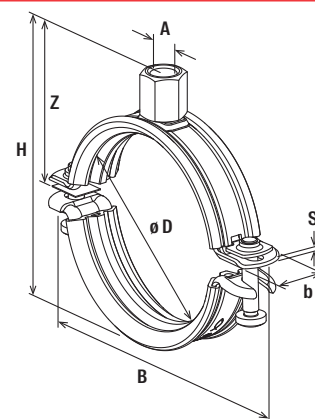
- The fire inspection report and the sound insulation report guarantee objectively tested functional safety.
- The unique rapid-locking mechanism with crimped edges allows a secure and time-saving installation.
- The clamp band with crimped edges gives a tight fit of the sound insulation insert and prevents it from slipping out when aligning the pipe.
- The two screws allow a perfect adaptation of the pipe clamp to suit every outer pipe diameter.
- The connecting nut with combination thread M8 / M10 enables an optimised warehousing.
- The screw's loss protection guarantees an easy installation.

Properties

- Material: steel DD11 (material no. 1.0332) acc. to DIN EN 10111
- Zinc plating: electro zinc-plated
- Connecting nut: resistance welded, M8 / M10 SW13
- Locking screw: flat head screw with TX drive (M5=TX25, M6=TX30)
- Material sound insulation insert: SBR/EPDM; chlorine-free; silicone-free
- Sound insulation: for DIN 4109
- Temperature range: -40 °C to +100 °C
- Hardness: 55 ± 5° Shore A
- Fire behaviour: DIN 4102: Class B2

Installation FRS-L Universal





FRS-L Universal

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Technical data

		Fire test report	Thread	Size	Clamping range	Width	Height	Height	Width x thickness clamp band	Locking screw	Installation torque	Max. recom. static load (centr. tension)	Sales unit
Item	Item no.		A	[in]	D [mm]	B [mm]	H [mm]	Z [mm]	b x s [mm]		T _{inst} [Nm]	N _{rec} [kN]	[pcs]
FRS-L 8 - 11 Universal	539443	Yes	M8 / M10	–	8 - 11	47	35	25	18 x 1.0	M5	2	0.98	25
FRS-L 12 - 15 Universal	539444	Yes	M8 / M10	1/4	12 - 15	52	39	27	18 x 1.0	M5	2	0.98	25
FRS-L 15 - 19 Universal	539445	Yes	M8 / M10	3/8	15 - 19	56	43	29	18 x 1.0	M5	2	0.98	25
FRS-L 20 - 24 Universal	539446	Yes	M8 / M10	1/2	20 - 24	61	48	31	18 x 1.0	M5	2	0.98	25
FRS-L 25 - 30 Universal	539447	Yes	M8 / M10	3/4	25 - 30	67	53	34	18 x 1.0	M5	2	0.98	25
FRS-L 31 - 37 Universal	539448	Yes	M8 / M10	1	31 - 37	74	61	38	18 x 1.0	M5	2	0.98	25
FRS-L 38 - 45 Universal	539449	Yes	M8 / M10	1 1/4	38 - 45	83	69	42	18 x 1.2	M5	2	1.14	25
FRS-L 46 - 52 Universal	539450	Yes	M8 / M10	1 1/2	46 - 52	90	76	45	18 x 1.2	M5	2	1.14	25
FRS-L 53 - 59 Universal	539451	Yes	M8 / M10	–	53 - 59	97	83	49	18 x 1.2	M5	2	1.14	25
FRS-L 60 - 66 Universal	539452	Yes	M8 / M10	2	60 - 66	104	90	52	18 x 1.2	M5	2	1.14	10
FRS-L 67 - 75 Universal	539453	Yes	M8 / M10	–	67 - 75	120	100	57	20 x 1.8	M6	2	1.69	10
FRS-L 76 - 84 Universal	539454	Yes	M8 / M10	2 1/2	76 - 84	130	109	62	20 x 1.8	M6	2	1.69	10
FRS-L 85 - 93 Universal	539455	Yes	M8 / M10	3	85 - 93	139	118	66	20 x 1.8	M6	2	1.69	10
FRS-L 94 - 100 Universal	539456	Yes	M8 / M10	–	94 - 100	146	125	70	20 x 1.8	M6	2	1.69	10
FRS-L 101 - 109 Universal	539457	Yes	M8 / M10	–	101 - 109	156	135	75	20 x 1.8	M6	2	1.69	10
FRS-L 110 - 119 Universal	539459	Yes	M8 / M10	4	110 - 119	165	144	79	20 x 1.8	M6	2	1.69	10
FRS-L 120 - 129 Universal	544905	Yes	M8 / M10	–	120 - 129	176	156	86	25 x 2.0	M6	2	2.39	5
FRS-L 130 - 137 Universal	544906	Yes	M8 / M10	–	130 - 137	184	164	90	25 x 2.0	M6	2	2.39	5
FRS-L 138 - 145 Universal	544907	Yes	M8 / M10	5	138 - 145	192	172	94	25 x 2.0	M6	2	2.39	5
FRS-L 146 - 155 Universal	544908	Yes	M8 / M10	–	146 - 155	202	182	99	25 x 2.0	M6	2	2.39	5
FRS-L 156 - 163 Universal	544909	Yes	M8 / M10	–	156 - 163	211	190	103	25 x 2.0	M6	2	2.39	5
FRS-L 164 - 172 Universal	544910	Yes	M8 / M10	6	164 - 172	219	199	106	25 x 2.0	M6	2	2.39	5
FRS-L 175 - 183 Universal	569822	–	M8 / M10	–	175 - 183	234	112	210	25 x 2.5	M6	2	2.58	15
FRS-L 193 - 201 Universal	569823	–	M8 / M10	–	193 - 201	251	123	228	25 x 2.5	M6	2	2.58	15
FRS-L 205 - 213 Universal	569824	–	M8 / M10	–	205 - 213	263	129	240	25 x 2.5	M6	2	2.58	15
FRS-L 219 - 225 Universal	569825	–	M8 / M10	8	219 - 225	278	134	253	25 x 2.5	M6	2	2.58	15

For load information under fire exposure, see chapter Basic knowledge.