

MEFA Pipe clamps

01



Ø 12 - 60 mm

Pipe clamp Sigma
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Ø 15 - 60 mm

Pipe clamp Omnia
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Ø 12 - 168 mm

Pipe clamp Trabant
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Ø 15 - 168 mm

Pipe clamp Omnia MB
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Ø 12 - 46 mm

Sliding pipe clamp Sigma
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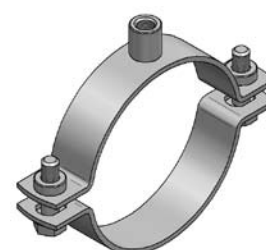
Ø 50 - 116 mm

Sliding pipe clamp Omnia MB
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Ø 15 - 275 mm

Pipe clamp
Standard PSM, lined
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Ø 12 - 273 mm

Pipe clamp
Standard PSM, unlined
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Ø 64 - 508 mm

Pipe clamp Heavy-Duty,
lined
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Ø 64 - 508 mm

Pipe clamp Heavy-Duty, unlined
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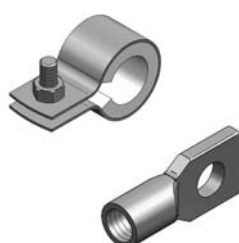
Ø 21 - 324 mm

U-bolt
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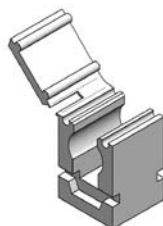


Ø 10 - 42 mm

Pipe clamp Clipstar, lined
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Visible pipe clamp, lined
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Ø 8 - 35 mm

Pipe clip Clipmaster
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Connection adaptor
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Sound insulation lining
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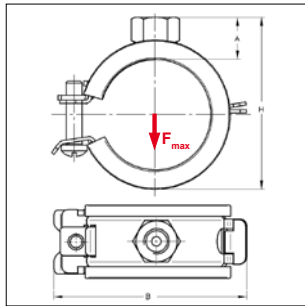
Insulated pipe clamps Ventilation Sprinkler Stainless steel Plant construction	Pipe clamps suitable for : see chapter 6 see chapter 8 see chapter 12 see chapter 13 see chapter 14
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■ Pipe clamp Sigma, lined

01



Pipe clamp Sigma



Specification

Closure: safety quick-closure
 Construction method: one-part
 OD: 12 up to 60 mm
 Connection: M8
 Sound insulation: according to DIN 4109

Technical data:

Material: steel
 Material type: DC01-A, DD11
 Surface: galvanized
 Sound insulation lining: EPDM
 Temperature resistance: - 35 °C up to + 100 °C
 Insulation thickness: 3 mm

Connection: Thread M8

Clamping range		Material	Closure-screw	max. load	H _(min-max)	A	B	Weight	Packing	Part-No.
[mm]	[Inch]	[mm]		F _{max} [kN]	[mm]	[mm]	[mm]	[kg/pc.]	[pcs.]	
12 - 15	1/4	20x1,0	M5	0,60	30-33	12	41	0,030	100	14510151
16 - 19	3/8	20x1,0	M5	0,60	34-37	12	45	0,031	100	14510191
20 - 23	1/2	20x1,0	M5	0,60	38-41	12	51	0,034	100	14510231
25 - 29	3/4	20x1,0	M5	0,60	43-47	12	56	0,043	100	14510291
32 - 35	1	20x1,0	M5	0,60	50-53	12	62	0,049	100	14510351
40 - 44	1 ^{1/4}	20x1,0	M5	0,60	58-62	12	71	0,057	50	14510441
48 - 52	1 ^{1/2}	20x1,5	M5	1,10	66-70	12	80	0,062	50	14510521
53 - 57		20x1,5	M5	1,10	71-75	12	85	0,069	50	14510571
58 - 60	2	20x1,5	M5	1,10	76-79	12	89	0,075	50	14510601

Connection: Thread M8

				with sound insulation lining						white
12 - 15	1/4	20x1,0	M5	0,60	30-33	12	41	0,030	100	14590151
16 - 19	3/8	20x1,0	M5	0,60	34-37	12	45	0,031	100	14590191
20 - 23	1/2	20x1,0	M5	0,60	38-41	12	51	0,034	100	14590231
25 - 29	3/4	20x1,0	M5	0,60	43-47	12	56	0,043	100	14590291
32 - 35	1	20x1,0	M5	0,60	50-53	12	62	0,049	100	14590351

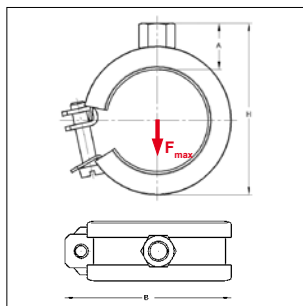
Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

Products awarded with „Gütezeichen Rohrbefestigung“ and subject to external supervision acc. to RAL-GZ 655-B.

Pipe clamp Omnia, lined



Pipe clamp Omnia



Specification

Closure: swiveling U-closure
 Construction method: one-part
 OD: 15 up to 60 mm
 Connection: M8, M10
 Sound insulation: according to DIN 4109

Technical data:

Material: steel
 Material type: DC01-A, DD11
 Surface: galvanized

Sound insulation lining: EPDM
 Temperature resistance: - 35 °C up to + 100 °C
 Insulation thickness: 6 mm

Silicone
 - 60 °C up to + 250 °C
 6 mm

Connection: Thread M8					with sound insulation lining					Silicone	EPDM
Clamping range	Type	Material	Closure-screw	max. load	H	A	B	Weight	Packing	Part-No.	Part-No.
[mm]	[Inch]	[mm]		$F_{max}^{1)}$ [kN]	[mm]	[mm]	[mm]	[kg/pc.]	[pcs.]		
15 - 17	15	20x0,8	M6	0,80	40	19	39	0,037	100	0380652	0380156
18 - 20	18	3/8 20x0,8	M6	0,80	43	19	43	0,038	100	0380687	0380180
22 - 24	22	1/2 20x0,8	M6	0,8 0	46	19	47	0,042	100	0380725	0380229
28 - 30	28	3/4 20x0,8	M6	0,80	52	19	55	0,047	100	0380784	0380288
35 - 37	35	1 20x1,0	M6	1,00	60	19	61	0,059	100	0380822	0380350
42 - 43	42	1 1/4 20x1,0	M6	1,00	67	19	68	0,066	50	0380911	0380423
44 - 47	44	20x1,0	M6	1,00	69	19	70	0,067	50	0380946	0380431
48 - 49	48	1 1/2 20x1,0	M6	1,00	73	19	75	0,070	50	0380989	0380482
50 - 52	50	20x1,5	M6	1,20	78	20	85	0,093	50	0381012	0380512
54	54	20x1,5	M6	1,20	80	20	89	0,094	50	0381047	0380547
57	57	20x1,5	M6	1,20	84	20	91	0,097	50	0381071	0380571
60	60	2 20x1,5	M6	1,20	86	20	95	0,103	50	0381098	0380601

Connection: Thread M10					with sound insulation lining					Silicone	EPDM
Clamping range	Type	Material	Closure-screw	max. load	H	A	B	Weight	Packing	Part-No.	Part-No.
[mm]	[Inch]	[mm]		$F_{max}^{1)}$ [kN]	[mm]	[mm]	[mm]	[kg/pc.]	[pcs.]		
15 - 17	15	20x0,8	M6	0,80	42	21	39	0,037	100	0381659	0381152
18 - 20	18	3/8 20x0,8	M6	0,80	45	21	43	0,038	100	0381683	0381187
22 - 24	22	1/2 20x0,8	M6	0,80	48	21	47	0,042	100	0381721	0381225
28 - 30	28	3/4 20x0,8	M6	0,80	54	21	55	0,047	100	0381780	0381284
35 - 37	35	1 20x1,0	M6	1,00	62	21	61	0,059	100	0381829	0381357
42 - 43	42	1 1/4 20x1,0	M6	1,00	69	21	68	0,066	50	0381926	0381411
44 - 47	44	20x1,0	M6	1,00	71	21	70	0,067	50	0381942	0381446
48 - 49	48	1 1/2 20x1,0	M6	1,00	75	21	75	0,070	50	0381985	0381489
50 - 52	50	20x1,5	M6	1,20	80	22	85	0,093	50	0382019	0381519
54	54	20x1,5	M6	1,20	82	22	89	0,094	50	0382043	0381543
57	57	20x1,5	M6	1,20	86	22	91	0,097	50	0382078	0381578
60	60	2 20x1,5	M6	1,20	88	22	95	0,103	50	0382094	0381608

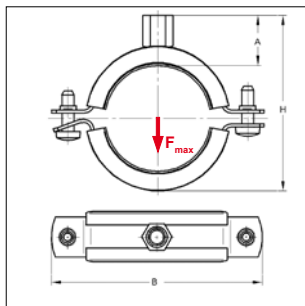
Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensile pipe diameter.

■ Pipe clamp Trabant, lined

01



Pipe clamp Trabant



Specification

Closure: snap-in closure
 Construction method: two-part
 OD: 12 up to 168 mm
 Connection: M8/M10, M10/M12
 Sound insulation: according to DIN 4109

Technical data:

Material: steel
 Material type: DC01-A, DD11
 Surface: galvanized
 Sound insulation lining: EPDM
 Temperature resistance: - 35 °C up to + 100 °C
 Insulation thickness: 4,5 mm

Connection: Thread M8/M10

Clamping range		Material	Closure-screw	max. load F_{max} [kN]	H (min-max) [mm]	A [mm]	B [mm]	Weight [kg/pc.]	Packing [pcs.]	Part-No.
[mm]	[Inch]	[mm]								
12 - 15		20x1,0	M6	0,29	36-39	22	58	0,045	100	0426151
15 - 20	3/8	20x1,0	M6	0,29	39-44	22	61	0,048	100	0426201
20 - 25	1/2	20x1,0	M6	0,29	44-49	22	64	0,051	100	0426251
25 - 30	3/4	20x1,0	M6	0,29	49-54	22	69	0,054	100	0426301
32 - 37	1	20x1,0	M6	0,29	56-61	22	77	0,060	100	0426371
42 - 46	1 1/4	20x1,5	M6	0,90	66-70	23	88	0,083	50	0426461
47 - 52	1 1/2	20x1,5	M6	0,90	72-77	23	94	0,090	50	0426521
53 - 58		20x1,5	M6	0,90	78-83	23	102	0,100	50	0426581
59 - 65	2	20x1,5	M6	0,90	84-90	23	109	0,104	50	0426651
70 - 73		25x1,5	M6	1,10	92-97	23	121	0,136	50	0426721
75 - 78	2 1/2	25x1,5	M6	1,10	98-103	23	124	0,144	50	0426771
85 - 90	3	25x2,0	M6	1,50	108-116	23	134	0,190	50	0426901
108 - 114	4	25x2,5	M6	1,90	134-140	24	165	0,268	50	0427141

Connection: Thread M10/M12

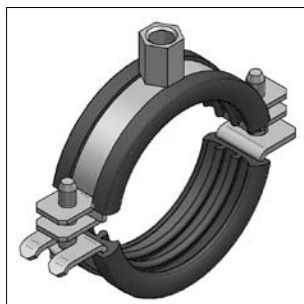
121 - 125		25x2,5	M6	2,20	156-162	27	176	0,313	25	04272251
132 - 136		25x2,5	M6	2,20	167-173	27	187	0,332	25	04272361
137 - 141	5	25x2,5	M6	2,20	172-178	27	192	0,343	25	04272411
159 - 163		25x2,5	M6	2,20	194-200	27	215	0,388	25	04272631
164 - 168	6	25x2,5	M6	2,20	199-205	27	220	0,401	25	04272681

① suitable connection adaptor see on page 1/24

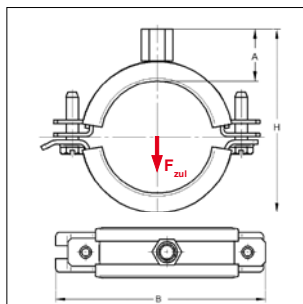
Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

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■ Pipe clamp Omnia MB, lined



Pipe clamp Omnia MB



Related fire loads see page 15/10

01

Specification

Closure: swiveling U-closure
 Construction method: two-part
 OD: 15 up to 168 mm
 Connection: M8/M10, M10/M12, M12
 Sound insulation: according to DIN 4109

Remark: also available with two connections

Technical data:

Material: steel
 Material type: DD11
 Surface: galvanized

Sound insulation lining: EPDM
 Temperature resistance: - 35 °C up to + 100 °C
 Insulation thickness: 6 mm

Silicone¹⁾

- 60 °C up to + 250 °C
 6 mm

¹⁾ max. loads are also valid for pipe clamps with silicone lining, these are not RAL approved.

Connection: Thread M8/M10						with sound insulation lining				Silicone	EPDM
Clamping range		Material	Closure-screw	max. load	H (min-max)	A	B	Weight	Packing	Part-No.	Part-No.
[mm]	[Inch]	[mm]		F ¹⁾ _{max} [kN]	[mm]	[mm]	[mm]	[kg/pc.]	[pcs.]		
15 - 20	3/8	20x1,5	M6	1,00	42-47	24	61	0,070	100	0398220	0398020
22 - 28	1/2-3/4	20x1,5	M6	1,00	49-56	24	68	0,077	100	0398228	0398028
30 - 35	1	20x1,5	M6	1,00	57-62	24	78	0,085	100	0398235	0398035
38 - 42	1 1/4	20x2,0	M6	1,60	66-70	24	89	0,110	50	0398242	0398042
44 - 48	1 1/2	20x2,0	M6	1,60	72-76	24	92	0,114	50	0398248	0398048
50 - 54		20x2,0	M6	1,60	78-82	24	101	0,126	50	0398254	0398054
56 - 60	2	20x2,0	M6	1,60	84-88	24	108	0,137	50	0398260	0398060
63 - 64		20x2,0	M6	1,60	91-92	24	113	0,143	50	0398264	0398064
70 - 73		20x2,0	M6	1,60	98-101	24	117	0,150	50	0398273	0398073
75 - 83	2 1/2	20x2,0	M6	1,60	103-108	24	124	0,164	50	0398278	0398078
84 - 89	3	25x2,5	M6	1,80	113-118	25	136	0,247	50	0398289	0398089
90 - 95		25x2,5	M6	1,80	119-124	25	143	0,261	50	0398295	0398095
100 - 105		25x2,5	M6	1,80	129-134	25	152	0,278	50	0398305	0398105
108 - 112		25x2,5	M6	1,80	137-141	25	158	0,290	50	0398312	0398112
114 - 116	4	25x2,5	M6	1,80	143-145	25	165	0,303	25	0398316	0398116
121 - 125		25x2,5	M6	1,80	150-154	25	175	0,320	25	0398325	0398125
Connection: Thread M10/M12						with sound insulation lining				Silicone	EPDM
132 - 136		25x3,0	M8	2,30	171-175	30	192	0,482	25	1418336	03981362
137 - 141	5	25x3,0	M8	2,30	176-180	30	197	0,495	25	1418341	03981412
159 - 163		25x3,0	M8	2,30	193-197	30	219	0,554	25	1418363	03981632
164 - 168	6	25x3,0	M8	2,30	198-202	30	225	0,562	25	1418368	03981682

■ Pipe clamp Omnia MB, lined

01

Connection: Thread M12

Connection: Thread M12							with sound insulation lining			Silicone	EPDM
Clamping range		Material	Closure- screw	max. load F _{max} ¹⁾	H _(min-max)	A	B	Weight	Packing	Part-No.	Part-No.
[mm]	[Inch]	[mm]		[kN]	[mm]	[mm]	[mm]	[kg/pc.]	[pcs.]		
15 - 20	3/8	20x1,5	M6	1,00	43-48	24	61	0,070	100	0392227	0392014
22 - 28	1/2-3/4	20x1,5	M6	1,00	50-56	24	68	0,077	100	0392235	0392030
30 - 35	1	20x1,5	M6	1,00	58-63	24	78	0,085	100	0392243	0392049
38 - 42	1 ^{1/4}	20x2,0	M6	1,60	67-71	24	89	0,110	50	0392251	0392057
44 - 48	1 ^{1/2}	20x2,0	M6	1,60	73-77	24	92	0,114	50	0397448	0398448
50 - 54		20x2,0	M6	1,60	79-83	24	101	0,126	50	0397454	0398454
56 - 60	2	20x2,0	M6	1,60	85-89	24	108	0,137	50	0397460	0398460
63 - 64		20x2,0	M6	1,60	92-93	24	113	0,143	50	0397464	0398464
70 - 73		20x2,0	M6	1,60	99-102	24	117	0,150	50	0397473	0398473
75 - 83	2 ^{1/2}	20x2,0	M6	1,60	104-109	24	124	0,164	50	0397480	0398480
84 - 89	3	25x2,5	M6	1,80	114-119	25	136	0,247	50	0397489	0398489
90 - 95		25x2,5	M6	1,80	120-125	25	143	0,261	50	0397495	0398495
100 - 105		25x2,5	M6	1,80	130-135	25	152	0,278	50	0397505	0398505
108 - 112		25x2,5	M6	1,80	138-142	25	158	0,290	50	0392405	0392219
114 - 116	4	25x2,5	M6	1,80	144-146	25	165	0,303	25	0397516	0398516
121 - 125		25x2,5	M6	1,80	151-155	25	175	0,320	25	0397525	0398525

 suitable connection adaptor see on page 1/24

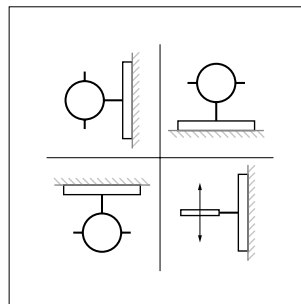
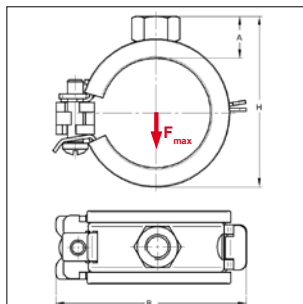
Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

Products awarded with „Gütezeichen Rohrbefestigung“ and subject to external supervision acc. to RAL-GZ 655-B.

■ Sliding pipe clamp Sigma, lined



Sliding pipe clamp Sigma



Mounting recommendation



01

Specification

Closure: safety quick-closure
 Construction method: one-part
 OD: 12 up to 46 mm
 Connection: M8
 Sound insulation: according to DIN 4109

Technical data:

Material: steel
 Material type: DC01-A, DD11
 Surface: galvanized
 Sound insulation lining: EPDM, flocked
 Temperature resistance: - 30 °C bis + 70 °C
 Insulation thickness: 3 mm

Connection: Thread M8				with sound insulation lining					EPDM
Dimension	Material	Closure-screw	max. load	H	A	B	Weight	Packing	Part-No.
[mm]	[mm]		F_{max} [kN]	[mm]	[mm]	[mm]	[kg/pc.]	[pcs.]	
12	20x0,8	M5	0,75	33	13	43	0,030	100	14520121
15	20x0,8	M5	0,75	35	13	45	0,031	100	14520151
16	20x0,8	M5	0,75	35	13	45	0,032	100	14520161
18	20x0,8	M5	0,75	40	13	50	0,032	100	14520181
20	20x1,0	M5	0,75	40	13	50	0,034	100	14520201
22	20x1,0	M5	0,75	48	13	58	0,036	50	14520221
25	20x1,0	M5	0,75	48	13	58	0,044	50	14520251
28	20x1,0	M5	0,75	56	13	66	0,045	50	14520281
32	20x1,0	M5	0,75	56	13	66	0,050	50	14520321
35	20x1,0	M5	0,75	56	13	66	0,051	50	14520351
38	20x1,0	M5	0,75	64	13	74	0,053	50	14520381
40	20x1,0	M5	0,75	64	13	74	0,058	50	14520401
42	20x1,0	M5	0,75	64	13	74	0,059	50	14520421
46	20x1,5	M5	0,75	72	13	82	0,063	50	14520461

Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

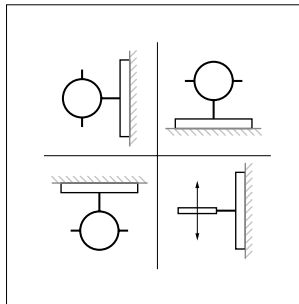
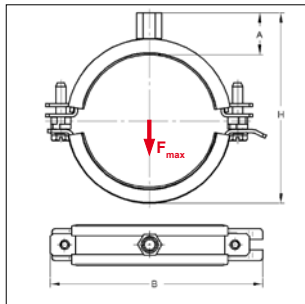
With larger dimensions an unopposed sliding can not be guaranteed.

Sliding pipe clamp Omnia MB, lined

01



Sliding pipe clamp Omnia MB



Mounting recommendation



Specification

Closure: swiveling U-closure
 Construction method: two-part
 OD: 50 up to 116 mm
 Connection: M8/M10
 Sound insulation: according to DIN 4109

Technical data:

Material: steel
 Material type: DD11
 Surface: galvanized
 Sound insulation lining: EPDM, flocked
 Temperature resistance: - 30 °C bis + 70 °C
 Insulation thickness: 4 mm

Connection: Thread M8/M10

Dimension	Material	Closure-screw	max. load F_{max}	H	A	B	with sound insulation lining		EPDM
							Weight	Packing	Part-No.
[mm]	[mm]		[kN]	[mm]	[mm]	[mm]	[kg/pc.]	[pcs.]	
50	20x2,0	M6	1,60	74	24	101	0,126	50	0387250
52	20x2,0	M6	1,60	76	24	101	0,126	50	0387252
54	20x2,0	M6	1,60	78	24	101	0,126	50	0387254
56	20x2,0	M6	1,60	80	24	108	0,137	50	0387256
63	20x2,0	M6	1,60	87	24	113	0,143	50	0387263
65	20x2,0	M6	1,60	90	24	113	0,143	50	0387265
69	20x2,0	M6	1,60	93	24	117	0,150	50	0387269
75	20x2,0	M6	1,60	99	24	124	0,164	50	0387275
77	20x2,0	M6	1,60	101	24	124	0,164	50	0387277
81	20x2,0	M6	1,60	105	24	124	0,164	50	0387281
90	25x2,5	M6	2,30	115	25	143	0,261	50	0387290
96	25x2,5	M6	2,30	121	25	143	0,261	50	0387296
110	25x2,5	M6	2,30	135	25	158	0,290	50	0387310
116	25x2,5	M6	2,30	141	25	165	0,303	50	0387316

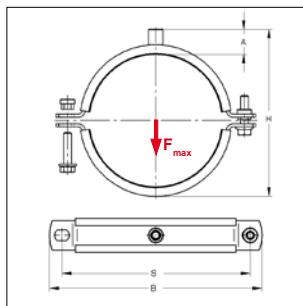
Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

With larger dimensions an unopposed sliding can not be guaranteed.

■ Pipe clamp Standard PSM, lined



Pipe clamp Standard PSM



Related fire loads see page 15/10

Delivery time:

Version with stepped-thread: 2 working days, ex works Kupferzell.
Pipe clamps with thread M16 and sleeve 1/2": 5 working days, ex works Kupferzell (pipe clamps Standard PSM M16 and 1/2" are special designed on customer request, no exchange or return).

Variant demand on request!

Specification

Closure: pendulum stick nut
Construction method: two-part
OD: 15 up to 275 mm
Connection: M8/M10, M10/M12, M16, 1/2"
Sound insulation: according to DIN 4109

Technical data:

Material: steel
Material type: DD11, S235JRG2
Surface: galvanized¹⁾
Sound insulation lining: EPDM
Temperature resistance: - 35 °C up to + 100 °C
Insulation thickness: 6 mm

Silicone²⁾

- 60 °C up to + 250 °C
6 mm

¹⁾ Components for usage in outdoor areas also available with zinc-nickel-coating (corrosion-protection class C3 acc. to ISO 9223). Delivery time on demand!

²⁾ max. loads are also valid for pipe clamps with silicone lining, these are not RAL approved.

Connection: Thread M8/M10						with sound insulation lining					Silicone	EPDM
Clamping range		Material	Closure screw	max. load F _{max} ²⁾	H _(min-max)	A	B	S	Weight	Packing	Part-No.	Part-No.
[mm]	[Inch]	[mm]		[kN]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]		
15 - 19		25x3,0	M8	1,50	54-58	30	80	56	0,184	1	00695358	0068819
20 - 25	1/2	25x3,0	M8	1,50	59-64	30	87	63	0,206	1	0069536	0068823
26 - 30	3/4	25x3,0	M8	1,50	65-69	30	92	68	0,217	1	0069537	0068828
31 - 36	1	25x3,0	M8	1,50	70-75	30	98	74	0,230	1	0069538	0068873
38 - 45	1¼	25x3,0	M8	1,50	77-84	30	107	83	0,247	1	0069539	0068880
47 - 51	1½	25x3,0	M8	1,50	86-90	30	114	90	0,267	1	0069540	0068881
53 - 57		25x3,0	M8	1,50	92-96	30	120	96	0,292	1	0069541	0068941
58 - 64	2	25x3,0	M8	1,50	97-103	30	129	105	0,298	1	00695397	00688083

Connection: Thread M10/M12						with sound insulation lining					Silicone	EPDM
65 - 70		30x3,0	M10	1,85	104-109	30	141	115	0,420	1	0083580	0080075
72 - 78	2½	30x3,0	M10	1,85	111-117	30	149	123	0,442	1	0083589	0080106
84 - 90	3	30x3,0	M10	1,85	123-129	30	162	135	0,477	1	0083596	0080107
94 - 100		30x3,0	M10	1,85	133-139	30	172	145	0,505	1	0083610	0080108
102 - 106		30x3,0	M10	1,85	141-145	30	178	152	0,525	1	0083626	0080148
108 - 112		30x3,0	M10	1,85	147-151	30	184	158	0,543	1	0083635	0080159
113 - 117	4	30x3,0	M10	1,85	152-156	30	189	163	0,558	1	0083636	0080167
120 - 125		35x4,0	M10	5,00	161-166	31	209	179	0,812	1	0083662	0080168
127 - 132		35x4,0	M10	5,00	168-173	31	216	186	0,840	1	0083670	0080185
133 - 136		35x4,0	M10	5,00	174-177	31	220	191	0,868	1	0083678	0088136
137 - 142	5	35x4,0	M10	5,00	178-183	31	226	196	0,893	1	0083679	0080192
145 - 150		35x4,0	M10	5,00	186-191	31	234	204	0,928	1	0083686	0080193
152 - 156		35x4,0	M10	5,00	193-197	31	240	211	0,950	1	0083694	0080198
158 - 163		35x4,0	M10	5,00	199-204	31	247	218	0,973	1	0083708	0088163
164 - 168	6	35x4,0	M10	5,00	205-209	31	252	223	1,000	1	0083711	0080222
190 - 194		35x4,0	M10	5,00	231-235	31	278	249	1,110	1	0083742	0080244
198 - 203		35x4,0	M10	5,00	239-244	31	287	258	1,150	1	0083750	0080270
207 - 213		35x4,0	M10	5,00	248-254	31	297	268	1,190	1	0083774	0080293
219 - 223	8	35x4,0	M10	5,00	260-264	31	308	278	1,230	1	0083804	0080309
225 - 230		35x4,0	M10	5,00	266-271	31	315	285	1,260	1	0083806	0088230
242 - 246		35x4,0	M10	5,00	283-287	31	331	301	1,330	1	0083839	0080331
270 - 275	10	35x4,0	M10	5,00	311-316	31	360	330	1,450	1	0083878	0080374

■ Pipe clamp Standard PSM, lined

01

Connection: Thread M16						with sound insulation lining					Silicone	EPDM
Clamping range		Material	Closure-screw	max. load F _{max}	H _(min-max)	A	B	S	Weight	Packing	Part-No.	Part-No.
[mm]	[Inch]	[mm]		[kN]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]		
102 - 106		30x3,0	M10	1,85	140-144	29	178	152	0,547	1	0084646	0081620
108 - 112		30x3,0	M10	1,85	146-150	29	184	158	0,565	1	0084654	0081639
113 - 117		4 30x3,0	M10	1,85	151-155	29	189	163	0,580	1	0084659	0081652
120 - 125		35x4,0	M10	5,00	160-165	30	209	179	0,835	1	0084665	0081646
127 - 132		35x4,0	M10	5,00	167-172	30	216	186	0,862	1	0084670	0081655
133 - 136		35x4,0	M10	5,00	173-176	30	220	191	0,892	1	0084689	0081663
137 - 142		5 35x4,0	M10	5,00	177-182	30	226	196	0,915	1	0084692	0081668
145 - 150		35x4,0	M10	5,00	185-190	30	234	204	0,950	1	0084693	0081670
152 - 156		35x4,0	M10	5,00	192-196	30	240	211	0,970	1	0084703	0081674
158 - 163		35x4,0	M10	5,00	198-203	30	247	218	0,995	1	0084719	0081701
164 - 168		6 35x4,0	M10	5,00	204-208	30	252	223	1,020	1	0084723	0081710
190 - 194		35x4,0	M10	5,00	230-234	30	278	249	1,130	1	0084750	0081750
198 - 203		35x4,0	M10	5,00	238-243	30	287	258	1,170	1	0084754	0081756
207 - 213		35x4,0	M10	5,00	247-253	30	297	268	1,210	1	0084794	0081786
219 - 223		8 35x4,0	M10	5,00	259-263	30	308	278	1,250	1	0084811	0081797
225 - 230		35x4,0	M10	5,00	265-270	30	315	285	1,280	1	0084816	0081809
242 - 246		35x4,0	M10	5,00	282-286	30	331	301	1,350	1	0084832	0081826
270 - 275		10 35x4,0	M10	5,00	310-315	30	360	330	1,470	1	0084870	0081867

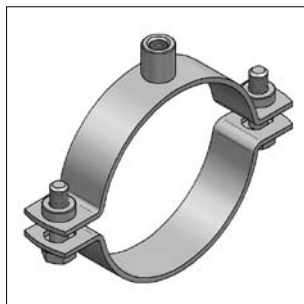
Connection: Sleeve 1/2 "						with sound insulation lining					Silicone	EPDM
102 - 106		30x3,0	M10	1,85	135-139	24	178	152	0,520	1	0085132	0082120
108 - 112		30x3,0	M10	1,85	141-145	24	184	158	0,540	1	0085154	0082139
113 - 117		4 30x3,0	M10	1,85	146-150	24	189	163	0,550	1	0085158	0082151
120 - 125		35x4,0	M10	5,00	155-160	25	209	179	0,810	1	0085165	0082146
127 - 132		35x4,0	M10	5,00	162-167	25	216	186	0,830	1	0085170	0082155
133 - 136		35x4,0	M10	5,00	168-171	25	220	191	0,865	1	0085189	0082163
137 - 142		5 35x4,0	M10	5,00	172-177	25	226	196	0,890	1	0085192	0082168
145 - 150		35x4,0	M10	5,00	180-185	25	234	204	0,925	1	0085200	0082170
152 - 156		35x4,0	M10	5,00	187-191	25	240	211	0,947	1	0085208	0082197
158 - 163		35x4,0	M10	5,00	193-198	25	247	218	0,970	1	0085219	0082201
164 - 168		6 35x4,0	M10	5,00	199-203	25	252	223	0,995	1	0085223	0082210
190 - 194		35x4,0	M10	5,00	225-229	25	278	249	1,110	1	0085250	0082250
198 - 203		35x4,0	M10	5,00	233-238	25	287	258	1,150	1	0085254	0082254
207 - 213		35x4,0	M10	5,00	242-248	25	297	268	1,190	1	0085297	0082290
219 - 223		8 35x4,0	M10	5,00	254-258	25	308	278	1,230	1	0085311	0082297
225 - 230		35x4,0	M10	5,00	260-265	25	315	285	1,260	1	0085316	0082309
242 - 246		35x4,0	M10	5,00	277-281	25	331	301	1,330	1	0085335	0082327
270 - 275		10 35x4,0	M10	5,00	305-310	25	360	330	1,450	1	0085370	0082370

① suitable connection adaptor see on page 1/24

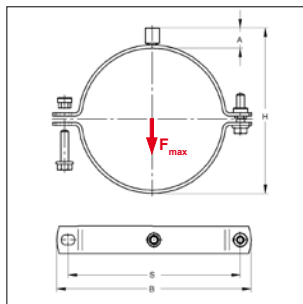
Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

Products awarded with „Gütezeichen Rohrbefestigung“ and subject to external supervision acc. to RAL-GZ 655-B.

■ Pipe clamp Standard PSM, unlined



Pipe clamp Standard PSM, unlined



Related fire loads see page 15/10

Delivery time:

Version with stepped-thread: 2 working days, ex works
Kupferzell. Pipe clamps with thread M16 and
sleeve 1/2": 5 working days, ex works
(pipe clamps Standard PSM M16 and 1/2" are special
designed on customer' request, no exchange or return).

Variant demand on request!

Specification

Closure: pendulum stick nut
Construction method: two-part
OD: 12 up to 273 mm
Connection: M8/M10, M10/M12, M16, 1/2"

Technical data:

Material: steel
Material type: DD11, S235JRG2
Surface: galvanized¹⁾

¹⁾ Components for outdoor application also available with Zinc-Nickel-coating (corrosion-protection class C3 acc. to ISO 9223). Delivery time on demand!

Connection: Thread M8/M10

without sound insulation lining

Clamping range				Material	Closure-screw	max. load	H _(min-max)	A	B	S	Weight	Packing	Part-No.
[mm]	[Inch]	[mm]		F _{max} [kN]		[mm]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]	
12 - 16		25x3,0	M8	3,00		39-43	24	65	41		0,151	1	0068835
17 - 19		25x3,0	M8	3,00		44-46	24	69	45		0,160	1	00688612
20 - 23	1/2	25x3,0	M8	3,00		47-50	24	73	49		0,169	1	0068838
25 - 29	3/4	25x3,0	M8	3,00		52-56	24	80	56		0,179	1	0068837
30 - 35	1	25x3,0	M8	3,00		59-62	24	87	63		0,191	1	0068836
36 - 40		25x3,0	M8	3,00		63-67	24	92	68		0,199	1	0068841
41 - 46	1 1/4	25x3,0	M8	3,00		68-73	24	98	74		0,209	1	0068847
48 - 55	1 1/2	25x3,0	M8	3,00		75-82	24	107	83		0,223	1	0068856
57 - 61	2	25x3,0	M8	3,00		84-88	24	114	90		0,239	1	0068863
63 - 67		25x3,0	M8	3,00		90-94	24	120	96		0,251	1	0068882
70 - 76	2 1/2	25x3,0	M8	3,00		97-103	24	129	105		0,265	1	00880769

Connection: Thread M10/M12

without sound insulation lining

Connection: Thread M10/M12										without sound insulation lining		
84 - 90	3	30x3,0	M10	3,00	111-117	24	149	123	0,388	1	0088093	
96 - 102		30x3,0	M10	3,00	123-129	24	162	135	0,414	1	0088105	
106 - 112		30x3,0	M10	3,00	133-139	24	172	145	0,434	1	0088113	
114 - 118	4	30x3,0	M10	3,00	141-145	24	178	152	0,452	1	0088119	
120 - 124		30x3,0	M10	3,00	147-151	24	184	158	0,466	1	0088125	
125 - 129		30x3,0	M10	3,00	152-156	24	189	163	0,476	1	0088130	
132 - 137		35x4,0	M10	6,30	161-166	25	209	179	0,712	1	0088138	
139 - 144	5	35x4,0	M10	6,30	168-173	25	216	186	0,726	1	0088145	
149 - 154		35x4,0	M10	6,30	178-183	25	226	196	0,778	1	0088155	
157 - 162		35x4,0	M10	6,30	186-191	25	234	204	0,806	1	0088164	
164 - 168	6	35x4,0	M10	6,30	193-197	25	240	211	0,828	1	0088169	
189 - 193		35x4,0	M10	6,30	218-222	25	265	236	0,914	1	0088194	
195 - 200		35x4,0	M10	6,30	224-229	25	272	243	0,936	1	0088201	
210 - 215		35x4,0	M10	6,30	239-244	25	287	258	0,988	1	0088216	
219 - 225	8	35x4,0	M10	6,30	248-254	25	297	268	1,020	1	0088228	
244 - 250		35x4,0	M10	6,30	273-279	25	323	293	1,110	1	0088253	
269 - 273	10	35x4,0	M10	6,30	298-302	25	346	316	1,190	1	0088274	

■ Pipe clamp Standard PSM, unlined

01

Connection: Thread M16

without sound insulation lining

Clamping range		Material	Closure-screw	max. load F_{max} [kN]	H (min-max) [mm]	A [mm]	B [mm]	S [mm]	Weight [kg/pc.]	Packing [pc.]	Part-No.
[mm]	[Inch]	[mm]									
106 - 112		30x3,0	M10	3,00	132-138	23	172	145	0,461	1	0081607
114 - 118	4	30x3,0	M10	3,00	140-144	23	178	152	0,479	1	0081621
120 - 124		30x3,0	M10	6,30	146-150	23	184	158	0,493	1	0081643
125 - 129		30x3,0	M10	6,30	151-155	23	189	163	0,503	1	0081645
132 - 137		35x4,0	M10	6,30	160-165	24	209	179	0,739	1	0081654
139 - 144	5	35x4,0	M10	6,30	167-172	24	216	186	0,763	1	0081657
149 - 154		35x4,0	M10	6,30	177-182	24	226	196	0,805	1	0081667
157 - 162		35x4,0	M10	6,30	185-190	24	234	204	0,833	1	0081675
164 - 168	6	35x4,0	M10	6,30	192-196	24	240	211	0,855	1	0081704
189 - 193		35x4,0	M10	6,30	217-221	24	265	236	0,940	1	0081739
195 - 200		35x4,0	M10	6,30	223-229	24	272	243	0,963	1	0081746
210 - 215		35x4,0	M10	6,30	238-243	24	287	258	1,015	1	0081762
219 - 225	8	35x4,0	M10	6,30	247-253	24	297	268	1,047	1	0081790
244 - 250		35x4,0	M10	6,30	272-278	24	323	293	1,137	1	0081818
269 - 273	10	35x4,0	M10	6,30	297-301	24	346	316	1,217	1	0081843

Connection: Sleeve 1/2"

without sound insulation lining

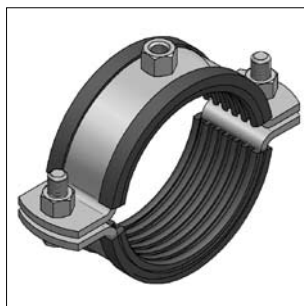
106 - 112		30x3,0	M10	3,00	127-133	18	172	145	0,436	1	0082109
114 - 118	4	30x3,0	M10	3,00	135-139	18	178	152	0,454	1	0082123
120 - 124		30x3,0	M10	6,30	141-145	18	184	158	0,468	1	0082144
125 - 129		30x3,0	M10	6,30	146-150	18	189	163	0,478	1	0082152
132 - 137		35x4,0	M10	6,30	155-160	19	209	179	0,714	1	0082153
139 - 144	5	35x4,0	M10	6,30	162-167	19	216	186	0,738	1	0082157
149 - 154		35x4,0	M10	6,30	172-177	19	226	196	0,780	1	0082173
157 - 162		35x4,0	M10	6,30	180-185	19	234	204	0,808	1	0082175
164 - 168	6	35x4,0	M10	6,30	187-191	19	240	211	0,830	1	0082196
189 - 193		35x4,0	M10	6,30	212-216	19	265	236	0,916	1	0082237
195 - 200		35x4,0	M10	6,30	218-223	19	272	243	0,938	1	0082247
210 - 215		35x4,0	M10	6,30	233-238	19	287	258	0,990	1	0082261
219 - 225	8	35x4,0	M10	6,30	242-248	19	297	268	1,022	1	0082291
244 - 250		35x4,0	M10	6,30	267-273	19	323	293	1,112	1	0082320
269 - 273	10	35x4,0	M10	6,30	292-296	19	346	316	1,192	1	0082342

 suitable connection adaptor see on page 1/24

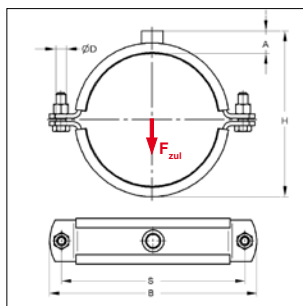
Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

Products awarded with „Gütezeichen Rohrbefestigung“ and subject to external supervision acc. to RAL-GZ 655-B.

■ Pipe clamp Heavy-Duty, lined



Pipe clamp Heavy-Duty



01

Related fire loads see page 15/10

Delivery time:

5 working days, ex works (pipe clamps Heavy-Duty are special designed on customer request, no exchange or return).

Variant demand on request!

Specification

Closure: screwed closure
Construction method: two-part
OD: 64 up to 508 mm
Connection: M12, M16, 1/2", 1", 1 1/4"
Sound insulation: according to DIN 4109

Technical data:

Material: steel
Material type: S235JRG2
Surface: galvanized¹⁾
Sound insulation lining: EPDM Silicone²⁾
Temperature resistance: - 35 °C up to + 100 °C - 60 °C up to + 250 °C
Insulation thickness: 6 mm 6 mm

¹⁾ Components for outdoor application also available with Zinc-Nickel-coating (corrosion-protection class C3 acc. to ISO 9223). Delivery time on demand!

²⁾ max. loads are also valid for pipe clamps with silicone lining, these are not RAL approved.

Connection: Thread M12								with sound insulation lining				Silicone	EPDM
Dimension [mm]	[Inch]	Material [mm]	Closure- screw	max. load F _{max} ¹⁾ [kN]	H [mm]	A [mm]	B [mm]	S [mm]	D [mm]	Weight [kg/pc.]	Packing [pc.]	Part-No.	Part-No.
64	2 1/2	50x5,0	M12	3,20	97	22	154	125	13	0,937	1	0067500	0066504
76		50x5,0	M12	3,20	109	22	166	137	13	1,025	1	0067504	0066508
89		50x5,0	M12	3,20	122	22	179	150	13	1,118	1	0067506	0066510
108	4	50x5,0	M12	3,20	141	22	199	170	13	1,253	1	0067512	0066516
110		50x5,0	M12	3,20	143	22	201	172	13	1,270	1	0067539	0066532
114		50x5,0	M12	3,20	147	22	205	176	13	1,290	1	0067555	0066559
125	5	50x5,0	M12	3,20	158	22	216	187	13	1,377	1	0067571	0066583
127		50x5,0	M12	3,20	160	22	218	189	13	1,400	1	0067598	0066591
133		50x5,0	M12	3,20	166	22	224	195	13	1,435	1	0067601	0066605
135	6	50x5,0	M12	3,20	168	22	226	197	13	1,450	1	0067628	0066613
140		50x5,0	M12	3,20	173	22	231	202	13	1,520	1	0067636	0066621
152		50x5,0	M12	3,20	185	22	243	214	13	1,575	1	0067644	0066648
160	8	50x5,0	M12	3,20	193	22	251	222	13	1,622	1	0067687	0066680
165		50x5,0	M12	3,20	198	22	256	227	13	1,665	1	0067695	0066699
168		50x5,0	M12	3,20	201	22	259	230	13	1,685	1	0067717	0066710
177	10	50x5,0	M12	11,50	210	22	268	239	13	1,755	1	0067733	0066737
180		50x5,0	M12	11,50	213	22	271	242	13	1,772	1	0067741	0066753
194		50x5,0	M12	11,50	227	22	286	257	13	1,875	1	0067768	0066761
200	12	50x5,0	M12	11,50	233	22	292	263	13	1,917	1	0067784	0066788
210		50x5,0	M12	11,50	243	22	302	273	13	1,990	1	0067814	0066818
219		50x5,0	M12	11,50	252	22	309	280	13	2,055	1	0067822	0066826
225	10	50x5,0	M12	11,50	258	22	317	288	13	2,093	1	0067849	0066842
245		50x5,0	M12	11,50	278	22	336	308	13	2,238	1	0067873	0066877
267		50x5,0	M12	11,50	300	22	359	330	13	2,395	1	0067881	0066893
273	12	50x5,0	M12	11,50	306	22	365	336	13	2,436	1	0067903	0066907
280		50x5,0	M12	11,50	313	22	372	343	13	2,490	1	0067911	0066923
298		50x5,0	M12	11,50	331	22	390	361	13	2,620	1	0067938	0066931
324	12	50x5,0	M12	11,50	357	22	416	387	13	2,805	1	0067954	0066958
356		50x5,0	M12	11,50	389	22	448	419	13	3,025	1	0067962	0066966
368		50x5,0	M12	11,50	401	22	460	431	13	3,120	1	0067989	0066982

■ Pipe clamp Heavy-Duty, lined

01

Connection: Thread M16				with sound insulation lining								Silicone	EPDM
Dimension [mm]	[Inch]	Material [mm]	Closure- screw	max. load F _{max} [kN]	H [mm]	A [mm]	B [mm]	S [mm]	D [mm]	Weight [kg/pc.]	Packing [pc.]	Part-No.	Part-No.
64	2 1/2	50x5,0	M12	3,20	101	26	154	125	13	0,952	1	0076499	0071516
76		50x5,0	M12	3,20	113	26	166	137	13	1,040	1	0076503	0071520
89		50x5,0	M12	3,20	126	26	179	150	13	1,133	1	0076505	0071522
108	3	50x5,0	M12	3,20	145	26	199	170	13	1,268	1	0076511	0071528
110		50x5,0	M12	3,20	147	26	201	172	13	1,285	1	0076538	0071536
114		50x5,0	M12	3,20	151	26	205	176	13	1,305	1	0076554	0071552
125	4	50x5,0	M12	3,20	162	26	216	187	13	1,392	1	0076589	0071587
127		50x5,0	M12	3,20	164	26	218	189	13	1,415	1	0076597	0071595
133		50x5,0	M12	3,20	170	26	224	195	13	1,450	1	0076600	0071609
135	5	50x5,0	M12	3,20	172	26	226	197	13	1,465	1	0076619	0071617
140		50x5,0	M12	3,20	177	26	231	202	13	1,535	1	0076627	0071625
152		50x5,0	M12	3,20	189	26	243	214	13	1,590	1	0076643	0071641
160	6	50x5,0	M12	3,20	197	26	251	222	13	1,637	1	0076686	0071684
165		50x5,0	M12	3,20	202	26	256	227	13	1,680	1	0076694	0071692
168		50x5,0	M12	3,20	205	26	259	230	13	1,700	1	0076716	0071714
177	8	50x5,0	M12	11,50	214	26	268	239	13	1,770	1	0076732	0071730
180		50x5,0	M12	11,50	217	26	271	242	13	1,787	1	0076759	0071757
194		50x5,0	M12	11,50	231	26	286	257	13	1,890	1	0076775	0071773
200	10	50x5,0	M12	11,50	237	26	292	263	13	1,932	1	0076783	0071781
210		50x5,0	M12	11,50	247	26	302	273	13	2,005	1	0076805	0071803
219		50x5,0	M12	11,50	256	26	309	280	13	2,070	1	0076821	0071838
225	12	50x5,0	M12	11,50	262	26	317	288	13	2,108	1	0076848	0071846
245		50x5,0	M12	11,50	282	26	336	308	13	2,253	1	0076872	0071870
267		50x5,0	M12	11,50	304	26	359	330	13	2,410	1	0076899	0071897
273	10	50x5,0	M12	11,50	310	26	365	336	13	2,453	1	0076902	0071900
280		50x5,0	M12	11,50	317	26	372	343	13	2,505	1	0076929	0071927
298		50x5,0	M12	11,50	335	26	390	361	13	2,635	1	0076937	0071935
324	12	50x5,0	M12	11,50	361	26	416	387	13	2,820	1	0076945	0071943
356		50x5,0	M12	11,50	393	26	448	419	13	3,040	1	0076961	0071978
368		50x5,0	M12	11,50	405	26	460	431	13	3,135	1	0076988	0071986
406*	12	50x5,0	M12	11,50	443	26	498	469	13	3,380	1	0076997	0071994
457*		50x5,0	M12	11,50	494	26	549	520	13	3,750	1	0077001	0072003
508*		50x5,0	M12	11,50	545	26	600	571	13	4,120	1	0077005	0072014

* not certified acc. to RAL-GZ 655-B

■ Pipe clamp Heavy-Duty, lined

Connection: Sleeve 1/2"				with sound insulation lining								Silicone	EPDM
Dimension [mm]	Material [Inch]	Closure- screw	max. load F _{max} [kN]	H [mm]	A [mm]	B [mm]	S [mm]	D [mm]	Weight [kg/pc.]	Packing [pc.]	Part-No.	Part-No.	
64	2 ^{1/2}	50x5,0	M12	3,20	101	26	154	125	13	0,980	1	0077506	0072503
76		50x5,0	M12	3,20	113	26	166	137	13	1,070	1	0077510	0072508
89		50x5,0	M12	3,20	126	26	179	150	13	1,160	1	0077512	0072510
108	3	50x5,0	M12	3,20	145	26	199	170	13	1,310	1	0077518	0072516
110		50x5,0	M12	3,20	147	26	201	172	13	1,325	1	0077534	0072532
114		50x5,0	M12	3,20	151	26	205	176	13	1,355	1	0077550	0072559
125	4	50x5,0	M12	3,20	162	26	216	187	13	1,438	1	0077585	0072583
127		50x5,0	M12	3,20	164	26	218	189	13	1,450	1	0077593	0072591
133		50x5,0	M12	3,20	170	26	224	195	13	1,498	1	0077607	0072605
135	5	50x5,0	M12	3,20	172	26	226	197	13	1,513	1	0077615	0072613
140		50x5,0	M12	3,20	177	26	231	202	13	1,550	1	0077623	0072621
152		50x5,0	M12	3,20	189	26	243	214	13	1,640	1	0077631	0072648
160	6	50x5,0	M12	3,20	197	26	251	222	13	1,700	1	0077682	0072680
165		50x5,0	M12	3,20	202	26	256	227	13	1,738	1	0077690	0072699
168		50x5,0	M12	3,20	205	26	259	230	13	1,760	1	0077712	0072710
177	8	50x5,0	M12	11,50	214	26	268	239	13	1,828	1	0077739	0072737
180		50x5,0	M12	11,50	217	26	271	242	13	1,850	1	0077755	0072753
194		50x5,0	M12	11,50	231	26	286	257	13	1,955	1	0077771	0072761
200	10	50x5,0	M12	11,50	237	26	292	263	13	2,000	1	0077798	0072788
210		50x5,0	M12	11,50	247	26	302	273	13	2,075	1	0077801	0072818
219		50x5,0	M12	11,50	257	26	309	280	13	2,150	1	0077828	0072826
225	12	50x5,0	M12	11,50	262	26	317	288	13	2,188	1	0077844	0072842
245		50x5,0	M12	11,50	282	26	336	308	13	2,338	1	0077879	0072877
267		50x5,0	M12	11,50	304	26	359	330	13	2,503	1	0077895	0072893
273	10	50x5,0	M12	11,50	311	26	365	336	13	2,555	1	0077909	0072907
280		50x5,0	M12	11,50	317	26	372	343	13	2,600	1	0077925	0072923
298		50x5,0	M12	11,50	335	26	390	361	13	2,735	1	0077933	0072931
324	12	50x5,0	M12	11,50	361	26	416	387	13	2,930	1	0077941	0072958
356		50x5,0	M12	11,50	393	26	448	419	13	3,170	1	0077968	0072966
368		50x5,0	M12	11,50	405	26	460	431	13	3,260	1	0077984	0072982

Connection: Sleeve 1"				with sound insulation lining								Silicone	EPDM
64	2 ^{1/2}	50x5,0	M12	3,20	106	31	154	125	13	0,980	1	0079498	0074507
76		50x5,0	M12	3,20	118	31	166	137	13	1,070	1	0079502	0074511
89		50x5,0	M12	3,20	131	31	179	150	13	1,160	1	0079504	0074513
108	3	50x5,0	M12	3,20	150	31	199	170	13	1,310	1	0079510	0074519
110		50x5,0	M12	3,20	152	31	201	172	13	1,325	1	0079537	0074535
114		50x5,0	M12	3,20	156	31	205	176	13	1,355	1	0079553	0074551
125	4	50x5,0	M12	3,20	167	31	216	187	13	1,438	1	0079588	0074586
127		50x5,0	M12	3,20	169	31	218	189	13	1,450	1	0079596	0074594
133		50x5,0	M12	3,20	175	31	224	195	13	1,498	1	0079618	0074608
135	5	50x5,0	M12	3,20	177	31	226	197	13	1,513	1	0079626	0074616
140		50x5,0	M12	3,20	182	31	231	202	13	1,550	1	0079634	0074624
152		50x5,0	M12	3,20	194	31	243	214	13	1,640	1	0079642	0074640
160	6	50x5,0	M12	3,20	202	31	251	222	13	1,700	1	0079685	0074683

■ Pipe clamp Heavy-Duty, lined

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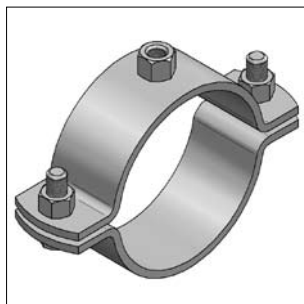
Connection: Sleeve 1"												with sound insulation lining	Silicone	EPDM
Dimension [mm]	[Inch]	Material [mm]	Closure- screw	max. load F _{max} [kN]	H [mm]	A [mm]	B [mm]	S [mm]	D [mm]	Weight [kg/pc.]	Packing [pc.]		Part-No.	Part-No.
165	6	50x5,0	M12	3,20	207	31	256	227	13	1,738	1		0079693	0074691
168		50x5,0	M12	3,20	210	31	259	230	13	1,760	1		0079715	0074713
177		50x5,0	M12	11,50	219	31	268	239	13	1,828	1		0079731	0074748
180		50x5,0	M12	11,50	222	31	271	242	13	1,850	1		0079758	0074756
194		50x5,0	M12	11,50	236	31	286	257	13	1,955	1		0079774	0074772
200		50x5,0	M12	11,50	242	31	292	263	13	2,000	1		0079782	0074780
210		50x5,0	M12	11,50	252	31	302	273	13	2,075	1		0079804	0074802
219	8	50x5,0	M12	11,50	262	31	309	280	13	2,150	1		0079820	0074829
225		50x5,0	M12	11,50	267	31	317	288	13	2,188	1		0079847	0074845
245		50x5,0	M12	11,50	287	31	336	308	13	2,338	1		0079871	0074861
267		50x5,0	M12	11,50	309	31	359	330	13	2,503	1		0079898	0074896
273	10	50x5,0	M12	11,50	316	31	365	336	13	2,555	1		0079901	0074918
280		50x5,0	M12	11,50	322	31	372	343	13	2,600	1		0079928	0074926
298		50x5,0	M12	11,50	340	31	390	361	13	2,735	1		0079936	0074934
324	12	50x5,0	M12	11,50	366	31	416	387	13	2,930	1		0079944	0074942
356		50x5,0	M12	11,50	398	31	448	419	13	3,170	1		0079960	0074969
368		50x5,0	M12	11,50	410	31	460	431	13	3,260	1		0079987	0074985
406*		50x5,0	M12	11,50	448	31	498	469	13	3,420	1		00799895	0074993
457*		50x5,0	M12	11,50	499	31	549	520	13	3,790	1		00799903	0075003
508*		50x5,0	M12	11,50	550	31	600	571	13	4,160	1		00799907	0075013
Connection: Sleeve 1 1/4"												with sound insulation lining	Silicone	EPDM
194		50x5,0	M12	11,50	238	33	286	257	13	1,955	1		0063845	0063941
200		50x5,0	M12	11,50	244	33	292	263	13	2,000	1		0063847	0063943
219	8	50x5,0	M12	11,50	264	33	309	280	13	2,150	1		0063853	0063951
245		50x5,0	M12	11,50	289	33	336	308	13	2,338	1		0063859	0063957
267		50x5,0	M12	11,50	311	33	359	330	13	2,503	1		0063863	0063961
273	10	50x5,0	M12	11,50	318	33	365	336	13	2,555	1		0063865	0063963
324	12	50x5,0	M12	11,50	368	33	416	387	13	2,930	1		0063881	0063978
356		50x5,0	M12	11,50	400	33	448	419	13	3,170	1		0063891	0063988
368		50x5,0	M12	11,50	412	33	460	431	13	3,260	1		0063893	0063990
406*		50x5,0	M12	11,50	450	33	498	469	13	3,440	1		0063901	0063998
457*		50x5,0	M12	11,50	501	33	549	520	13	3,810	1		00639015	00640063
508*		50x5,0	M12	11,50	552	33	600	571	13	4,180	1		00639023	0064016
Without connection thread												with sound insulation lining	Silicone	EPDM
406*		50x5,0	ohne VS	11,50	428	-	498	469	13	3,080	1		0075990	0070979
457*		50x5,0	ohne VS	11,50	479	-	549	520	13	3,590	1		0075998	0070989
508*		50x5,0	ohne VS	11,50	530	-	600	571	13	3,960	1		0076009	0070996

Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

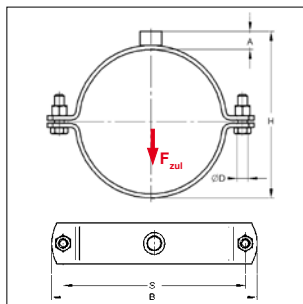
Products awarded with „Gütezeichen Rohrbefestigung“ and subject to external supervision acc. to RAL-GZ 655-B.

* not certified acc. to RAL-GZ 655-B.

■ Pipe clamp Heavy-Duty, unlined



Pipe clamp Heavy-Duty



Related fire loads see page 15/10

Delivery time:

5 working days, ex works Kupferzell (pipe clamps Heavy-Duty are special designed on customer' request, no exchange or return).

Variant demand on request!

Specification

Closure: screwed closure
Construction method: two-part
OD: 64 up to 508 mm
Connection: M12, M16, 1/2", 1", 1 1/4"

Technical data:

Material: steel
Material type: S235JRG2
Surface: galvanized

¹⁾ Components for outdoor application also available with Zinc-Nickel-coating (corrosion-protection class C3 acc. to ISO 9223). Delivery time on demand!

Connection: Thread M12									without sound insulation lining			
Dimension		Material	Closure-screw	max. load F _{max}	H	A	B	S	D	Weight	Packing	Part-No.
[mm]	[Inch]	[mm]		[kN]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]	
64		50x5,0	M12	6,00	85	16	141	112	13	0,787	1	0066503
76	2 ^{1/2}	50x5,0	M12	6,00	97	16	154	125	13	0,860	1	0066507
89	3	50x5,0	M12	6,00	110	16	167	138	13	0,935	1	0066509
108		50x5,0	M12	6,00	129	16	186	17	13	1,057	1	0066515
110		50x5,0	M12	6,00	131	16	188	159	13	1,070	1	0066518
114	4	50x5,0	M12	6,00	135	16	192	163	13	1,095	1	0066520
133		50x5,0	M12	6,00	154	16	212	183	13	1,213	1	0066572
135		50x5,0	M12	6,00	156	16	214	185	13	1,225	1	0066592
140	5	50x5,0	M12	6,00	161	16	219	190	13	1,255	1	0066606
160		50x5,0	M12	6,00	181	16	239	210	13	1,373	1	0066649
165	6	50x5,0	M12	6,00	186	16	244	215	13	1,413	1	0066682
168		50x5,0	M12	6,00	189	16	247	218	13	1,427	1	0066684
194		50x5,0	M12	16,00	215	16	273	244	13	1,590	1	0066754
200		50x5,0	M12	16,00	221	16	279	250	13	1,630	1	0066762
210		50x5,0	M12	16,00	231	16	290	261	13	1,687	1	0066792
219	8	50x5,0	M12	16,00	240	16	299	270	13	1,743	1	0066819
267		50x5,0	M12	16,00	288	16	347	318	13	2,035	1	0066881
273	10	50x5,0	M12	16,00	294	16	353	324	13	2,070	1	0066894
324	12	50x5,0	M12	16,00	345	16	404	375	13	2,385	1	0066955
356		50x5,0	M12	16,00	377	16	436	407	13	2,580	1	0066965
368		50x5,0	M12	16,00	389	16	448	419	13	2,647	1	0066981

■ Pipe clamp Heavy-Duty, unlined

01

Connection: Thread M16

without sound insulation lining

Dimension		Material	Closure-screw	max. load $F_{\max}$	H	A	B	S	D	Weight	Packing	Part-No.
[mm]	[Inch]	[mm]		[kN]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]	
64		50x5,0	M12	6,00	89	20	141	112	13	0,802	1	0071515
76	2 1/2	50x5,0	M12	6,00	101	20	154	125	13	0,875	1	0071519
89	3	50x5,0	M12	6,00	114	20	167	138	13	0,950	1	0071521
108		50x5,0	M12	6,00	133	20	186	17	13	1,072	1	0071527
110		50x5,0	M12	6,00	135	20	188	159	13	1,085	1	0071529
114	4	50x5,0	M12	6,00	139	20	192	163	13	1,110	1	0071530
133		50x5,0	M12	6,00	158	20	212	183	13	1,228	1	0071588
135		50x5,0	M12	6,00	160	20	214	185	13	1,240	1	0071596
140	5	50x5,0	M12	6,00	165	20	219	190	13	1,270	1	0071610
160		50x5,0	M12	6,00	185	20	239	210	13	1,388	1	0071642
165	6	50x5,0	M12	6,00	190	20	244	215	13	1,428	1	0071685
168		50x5,0	M12	6,00	193	20	247	218	13	1,442	1	0071687
194		50x5,0	M12	16,00	219	20	273	244	13	1,605	1	0071758
200		50x5,0	M12	16,00	225	20	279	250	13	1,695	1	0071774
210		50x5,0	M12	16,00	235	20	290	261	13	1,702	1	0071784
219	8	50x5,0	M12	16,00	244	20	299	270	13	1,756	1	0071804
267		50x5,0	M12	16,00	292	20	347	318	13	2,050	1	0071873
273	10	50x5,0	M12	16,00	298	20	353	324	13	2,085	1	0071898
324	12	50x5,0	M12	16,00	349	20	404	375	13	2,400	1	0071939
356		50x5,0	M12	16,00	381	20	436	407	13	2,595	1	0071977
368	14	50x5,0	M12	16,00	393	20	448	419	13	2,662	1	0071979
406*		50x5,0	M12	16,00	431	20	486	457	13	2,980	1	0071993
457*		50x5,0	M12	16,00	492	20	537	508	13	3,190	1	00720091
508*		50x5,0	M12	16,00	533	20	588	559	13	3,510	1	007205082

Connection: Sleeve 1/2"

without sound insulation lining

Dimension		Material	Closure-screw	max. load $F_{\max}$	H	A	B	S	D	Weight	Packing	Part-No.
[mm]	[Inch]	[mm]		[kN]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]	
64		50x5,0	M12	6,00	89	20	141	112	13	0,890	1	0072502
76	2 1/2	50x5,0	M12	6,00	101	20	154	125	13	0,907	1	0072507
89	3	50x5,0	M12	6,00	114	20	167	138	13	1,040	1	0072509
108		50x5,0	M12	6,00	133	20	186	17	13	1,170	1	0072514
110		50x5,0	M12	6,00	135	20	188	159	13	1,180	1	0072517
114	4	50x5,0	M12	6,00	139	20	192	163	13	1,200	1	0072519
133		50x5,0	M12	6,00	158	20	212	183	13	1,320	1	0072584
135		50x5,0	M12	6,00	160	20	214	185	13	1,355	1	0072592
140	5	50x5,0	M12	6,00	165	20	219	190	13	1,370	1	0072606
160		50x5,0	M12	6,00	185	20	239	210	13	1,490	1	0072649
165	6	50x5,0	M12	6,00	190	20	244	215	13	1,520	1	0072681
168		50x5,0	M12	6,00	193	20	247	218	13	1,540	1	0072683
194	7	50x5,0	M12	16,00	219	20	273	244	13	1,700	1	0072754
200		50x5,0	M12	16,00	225	20	279	250	13	1,740	1	0072762
210		50x5,0	M12	16,00	235	20	290	261	13	1,800	1	0072791
219	8	50x5,0	M12	16,00	245	20	299	270	13	1,870	1	0072819
267		50x5,0	M12	16,00	292	20	347	318	13	2,160	1	0072892
273	10	50x5,0	M12	16,00	299	20	353	324	13	2,200	1	0072894
324	12	50x5,0	M12	16,00	349	20	404	375	13	2,520	1	0072955
356		50x5,0	M12	16,00	381	20	436	407	13	2,720	1	0072965
368	14	50x5,0	M12	16,00	393	20	448	419	13	2,790	1	0072967

* not certified acc. to RAL-GZ 655-B

■ Pipe clamp Heavy-Duty, unlined

01

Connection: Sleeve 1"									without sound insulation lining			
Dimension		Material	Closure-screw	max. load F _{max}	H	A	B	S	D	Weight	Packing	Part-No.
[mm]	[Inch]	[mm]		[kN]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]	
64	2 1/2	50x5,0	M12	6,00	94	25	141	112	13	0,890	1	0074505
76		50x5,0	M12	6,00	106	25	154	125	13	0,907	1	0074510
89		50x5,0	M12	6,00	119	25	167	138	13	1,040	1	0074512
108		50x5,0	M12	6,00	138	25	186	17	13	1,170	1	0074520
110		50x5,0	M12	6,00	140	25	188	159	13	1,180	1	0074522
114	4	50x5,0	M12	6,00	144	25	192	163	13	1,200	1	0074524
133		50x5,0	M12	6,00	163	25	212	183	13	1,320	1	0074587
135		50x5,0	M12	6,00	165	25	214	185	13	1,355	1	0074595
140	5	50x5,0	M12	6,00	170	25	219	190	13	1,370	1	0074609
160		50x5,0	M12	6,00	190	25	239	210	13	1,490	1	0074641
165	6	50x5,0	M12	6,00	195	25	244	215	13	1,520	1	0074684
168		50x5,0	M12	6,00	198	25	247	218	13	1,540	1	0074686
194	7	50x5,0	M12	16,00	224	25	273	244	13	1,700	1	0074757
200		50x5,0	M12	16,00	230	25	279	250	13	1,740	1	0074773
210	8	50x5,0	M12	16,00	240	25	290	261	13	1,800	1	0074781
219		50x5,0	M12	16,00	250	25	299	270	13	1,870	1	0074803
267		50x5,0	M12	16,00	297	25	347	318	13	2,160	1	0074874
273		50x5,0	M12	16,00	304	25	353	324	13	2,200	1	0074897
324	12	50x5,0	M12	16,00	354	25	404	375	13	2,520	1	0074939
356	14	50x5,0	M12	16,00	386	25	436	407	13	2,720	1	0074968
368		50x5,0	M12	16,00	398	25	448	419	13	2,790	1	0074970
406*		50x5,0	M12	16,00	436	25	486	457	13	2,920	1	0074992
457*		50x5,0	M12	16,00	487	25	537	508	13	3,230	1	00749995
508*		50x5,0	M12	16,00	538	25	588	559	13	3,550	1	0075012

Connection: Sleeve 1 1/4"										without sound insulation lining		
200		50x5,0	M12	16,00	232	27	279	250	13	1,740	1	0063942
210		50x5,0	M12	16,00	242	27	290	261	13	1,800	1	0063947
219	8	50x5,0	M12	16,00	252	27	299	270	13	1,870	1	0063949
267		50x5,0	M12	16,00	299	27	347	318	13	2,160	1	0063960
273	10	50x5,0	M12	16,00	306	27	353	324	13	2,200	1	0063962
324	12	50x5,0	M12	16,00	356	27	404	375	13	2,520	1	0063975
356		50x5,0	M12	16,00	388	27	436	407	13	2,720	1	0063987
368	14	50x5,0	M12	16,00	400	27	448	419	13	2,790	1	0063989
406*		50x5,0	M12	16,00	438	27	486	457	13	2,940	1	0063997
457*		50x5,0	M12	16,00	489	27	537	508	13	3,270	1	0064009
508*		50x5,0	M12	16,00	540	27	588	559	13	3,750	1	0064010

Without connection thread								without sound insulation lining			
406*	50x5,0	ohne VS	16,00	416	-	486	457	13	2,830	1	0070978
457*	50x5,0	ohne VS	16,00	467	-	537	508	13	3,040	1	00709887
508*	50x5,0	ohne VS	16,00	519	-	588	559	13	3,360	1	0070995

* not certified acc. to RAL-GZ 655-B

Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

Products awarded with „Gütezeichen Rohrbefestigung“ and subject to external supervision acc. to RAL-GZ 655-B.

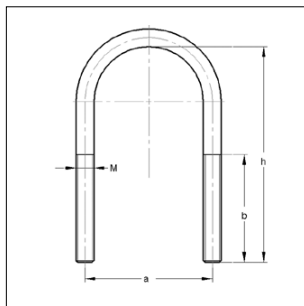
* not certified acc. to RAL-GZ 655-B.

U-bolt

01



U-bolt



G 4940029*

Specification

OD: 21,3 up to 323,9 mm

Thread: M8, M10, M12, M20

• for direct installation of piping onto steel structures

• suitable for sprinkler

• suitable for push-through-assembling into profile rails

• bearing should be used with 2 nuts and 2 washers

• fixed bearing should be used with 4 nuts and 4 washers

• should not be used as fixpoint without required measures

Technical data:

Material:

steel

Surface:

galvanized¹⁾

Admission:

• *dimension 219,1 mm, M12 guideline VdS-2344 "requirements and testing methods for construction elements",

VdS-approval No.: G 4940029

• other dimensions according to VdS-2092 guideline "planning and installation"

¹⁾ U-bolts for outdoor application with Zinc-Nickel-coating see chapter 14

U-bolt differing from DIN 3570

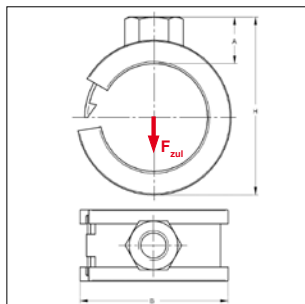
without nuts

OD		Thread	Overall height	Center distance	Length of thread	Weight	Packing	Part-No.
		M	h	a	b			
[mm]	[Inch]		[mm]	[mm]	[mm]	[kg/pc.]	[pc.]	
21,3	1/2	M8	80	30	65	0,050	1	0507022
26,9	3/4	M8	80	35	65	0,054	1	0507028
33,7	1	M8	90	42	65	0,059	1	0507035
42,4	1 ^{1/4}	M8	100	51	70	0,066	1	0507042
48,3	1 ^{1/2}	M8	105	57	70	0,073	1	0507048
60,3	2	M10	120	71	70	0,133	1	0507060
76,1	2 ^{1/2}	M10	135	87	70	0,152	1	0507076
88,9	3	M10	150	100	70	0,172	1	0507089
108,0		M12	190	121	90	0,311	1	0507108
114,3	4	M12	195	126	90	0,312	1	0507114
133,0		M12	215	146	90	0,347	1	0507133
139,7	5	M12	220	152	90	0,364	1	0507140
159,0		M12	240	172	90	0,398	1	0507159
168,3	6	M12	250	180	90	0,411	1	0507168
219,1*	8	M12	300	233	95	0,511	1	0507219

U-bolt without nuts according to DIN 3570

273,0	10	M20	313	302	70	1,640	1	0507273
323,9	12	M20	364	352	70	2,400	1	0507324

■ Pipe clamp Clipstar, lined



Pipe clamp Clipstar, lined

01

Specification

Closure: hook closure
 Construction method: one-part
 OD: 10 up to 42 mm
 Connection: M8
 Sound insulation: according to DIN 4109

Technical data:

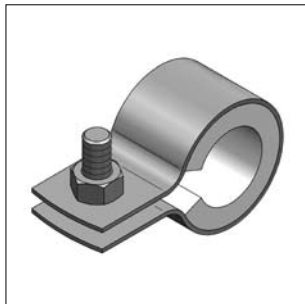
Material: steel
 Material type: DC01-A
 Surface: galvanized
 Sound insulation lining: EPDM
 Temperature resistance: - 35 °C up to + 100 °C
 Insulation thickness: 3 mm

Connection: Thread M8					with sound insulation lining			EPDM
Dimension	Material	A	B	H	max. load	Weight	Packing	Part-No.
[mm]	[mm]	[mm]	[mm]	[mm]	$F_{\max}$ [kN]	[kg/pc.]	[pcs.]	
10	16x0,6	10	22	26	0,30	0,012	100	0290106
12	16x0,6	10	23	26	0,30	0,012	100	0290122
15	16x0,6	10	25	30	0,30	0,014	100	0290157
18	16x0,6	11	28	33	0,30	0,015	100	0290181
22	16x0,8	11	31	38	0,40	0,018	100	0290211
28	16x0,8	11	39	44	0,40	0,022	100	0290289
35	20x1,0	11	46	51	0,40	0,035	100	0290351
42	20x1,0	11	55	58	0,40	0,039	100	0290424

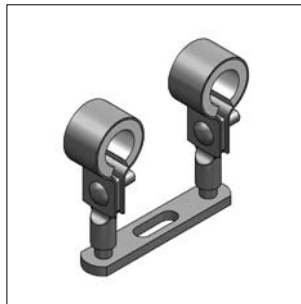
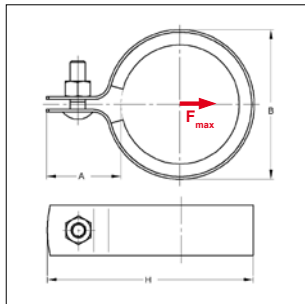
Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

Visible pipe clamp, lined

01



Visible pipe clamp, lined



Option for assembly with
Double holder + Eye nut



Specification

Closure: screwed closure
Construction method: one-part
OD: 15 up to 22 mm
Sound insulation: according to DIN 4109

Accessory: Duplo eye nut

Double holder see chapter 5

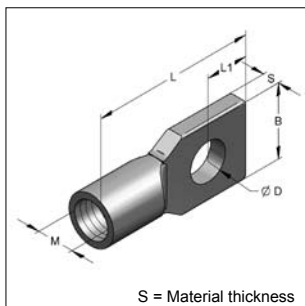
Technical data:

Material: steel
Material type: DC01-A, DD11
Surface: galvanized
Sound insulation lining: EPDM
Temperature resistance: - 35 °C up to + 100 °C
Insulation thickness: 5 mm
Colour: white

Visible pipe clamp					with sound insulation lining				white	
Dimension		Material	Closure-screw	max. load	A	B	H	Weight	Packing	Part-No.
[mm]	[Inch]	[mm]		F _{max} [kN]	[mm]	[mm]	[mm]	[kg/pc.]	[pcs.]	
15		20x1,0	M6	0,65	33	31	56	0,038	100	0311150
18	3/8	20x1,0	M6	0,65	31	34	57	0,040	100	0311180
22	1/2	20x1,0	M6	0,65	31	38	61	0,044	100	0311220

Remark: Determination of max. allowable load according to static methods and breaking loads, considering a max. allowable deformation of 1,5 mm or 2% of max. tensible pipe diameter.

Duplo eye nut with female thread



S = Material thickness

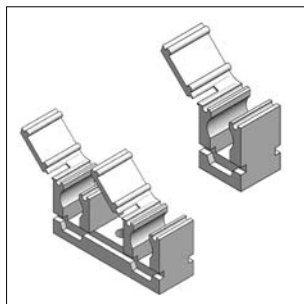
Duplo eye nut with
female thread

Material: cast-zinc
Material type: Z 410
Surface: raw

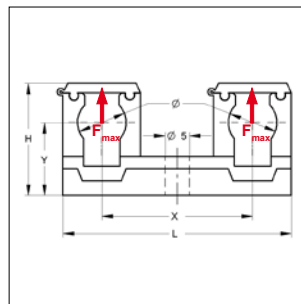
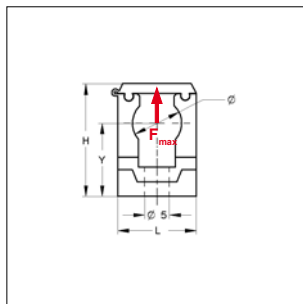
Type	D	L	L1	B	S	Admissibly tensile loading	Weight	Packing	Part-No.
	[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kg/pc.]	[pcs.]	
with female thread/M 6	9	38	10	17,5	4	1,0	0,018	100	0350133
with female thread/M 8	9	38	10	17,5	4	2,0	0,017	100	0350141

■ Pipe clip Clipmaster

01



Single- and double clip



Specification

Construction method: single-/ double clip
 OD: 8 up to 35 mm
 Mounting: with wood screws
 DIN 96 Ø 3,5 - 4 mm

Technical data:

Material: Polyamide PA 6
 Surface: weathering- and ageing proof
 Temperature resistance: - 40 °C up to + 70 °C

Single clip

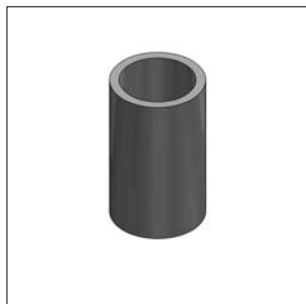
OD	max. load		Measures		Weight	Packing	Part-No.
[mm]	F_{max} [kN]	H [mm]	B [mm]	Y [mm]	[kg/pc.]	[pcs.]	
8	0,09	23	16	14	0,004	100	0401080
10	0,25	23	16	15	0,004	100	0401102
12	0,25	23	16	15	0,002	100	0401129
15	0,25	28	20	17	0,005	100	0401153
18	0,35	31	23	19	0,006	100	0401188
22	0,35	35	29	20	0,007	100	0401226
28	0,35	40	35	23	0,010	100	0401285
35	0,35	47	43	26	0,013	100	0401358

Double clip

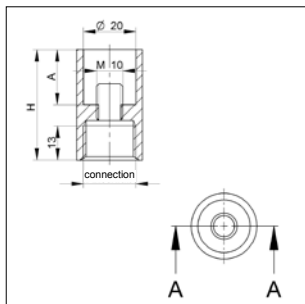
OD	max. load		Measures		Weight	Packing	Part-No.
[mm]	F_{max} [kN]	H [mm]	X [mm]	Y [mm]	L [mm]	[kg/pc.]	[pcs.]
8	0,09	23	31	14	47	0,009	100
10	0,25	23	31	15	47	0,008	100
12	0,25	23	32	15	47	0,008	100
15	0,25	28	36	17	55	0,011	50
18	0,35	31	39	19	60	0,012	50
22	0,35	35	45	20	73	0,016	50

■ Connection adaptor for pipe clamps

01



Connection adaptor
for pipe clamps



Specification

Field of application: thread adaptor
for pipe clamps
with stepped thread

Technical data:

Material: steel
Surface: galvanized

Suitable for pipe clamps: Trabant and Omnia MB with connection M8/M10

Connection with female thread	Dimension		suitable for nut	Weight	Packing	Part-No.
	H [mm]	A [mm]		[kg/pc.]	[pc.]	
Sleeve 1/2"	36	15	M8/M10	0,07	1	0830209

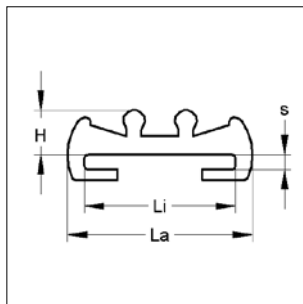
Suitable for pipe clamps: Standard PSM and Omnia MB (132 - 168 mm)

M16	42	21	M10/M12	0,09	1	0830202
Sleeve 1/2"	42	21	M10/M12	0,08	1	0830204

■ Sound insulation linings



Sound absorbing rubber profile



Sound insulation lining black (EPDM)

Dimension Li x H [mm]	Li [mm]	Measures La [mm]	s [mm]	Weight [kg/m]	Packing [m]	Part-No.
20 x 4,5	20	26	2	0,101	30 m (1 Ring)	7201214
25 x 4,5	25	28	2	0,124	30 m (1 Ring)	7201260
20 x 6,0	20	26	2	0,126	30 m (1 Ring)	7200218
25 x 6,0	25	28	3	0,162	20 m (1 Ring)	7200250
30 x 6,0	30	36	3	0,205	25 m (1 Ring)	7200307
35 x 6,0	35	40	4	0,230	25 m (1 Ring)	7200358
50 x 6,0	50	56	5	0,335	25 m (1 Ring)	7201508

Sound insulation lining red (Silicone)

20 x 6,0	20	26	2	0,143	50 m (1 Ring)	7241208
25 x 6,0	25	28	3	0,177	25 m (1 Ring)	7241259
30 x 6,0	30	36	3	0,236	25 m (1 Ring)	7241305
35 x 6,0	35	40	4	0,281	50 m (1 Ring)	7241356
50 x 6,0	50	56	5	0,329	25 m (1 Ring)	7241518

Technical data of MEFA sound insulation lining

Sound insulated MEFA pipe clamps are conforming to DIN 4109.

Furthermore, MEFA pipe clamps with sound insulation lining are also prepared to reduce the noise transmission to values below $L_{AG,ist} = 30$ dB (A), which means that their corrective dimensions equal to fittings of the sound protection class quality group II according to DIN 4109. Test certifications have been granted by the „Institut für Bauphysik, Mülheim / Ruhr“.

	EPDM	Silicone
Material	Elastomer EPDM	Silicone
Shore-hardness(DIN 53505)	50 ± 5° Shore	40 ± 5 Shore
Tensile strength	-	800 N/cm²
Ageing, weather and ozon resistance	acc. to DIN 53509 and 53508	acc. to DIN 53509 and 53508
Temperature resistance	- 35 °C up to + 110 °C	- 60 °C up to + 250 °C
Chemical resistance	Diluted acid and alkaline solutions, hot water, alcoholic solutions	Naturals fats, glycerine, ethyl alcohol, alcoholic solutions
Chemical unstable	Hot oils and fats, fuels, hydrocarbons - further information on request -	Hot oils and fats, highly concentrated acid and alkaline solutions, hydrocarbons
Drinking water cleaning according to fire performance (DIN 4102)	silicone-free -	KTW, WRAS (WRC)
Building class	B2 (not burning, dropping off)	B2 (not burning, dropping off)

* also available with polyester (Silicone-free), rubber flame retardant or ceramic fiber lining (high temperature resistant)