Insulation clamps type H, M, T

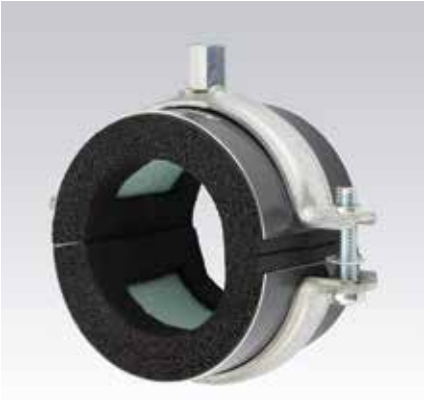
two-piece, with single bossed clamps without lining and insulation shells, galvanised

Field of application

- Thermal decoupled pipe attachment in the field of refrigeration
- Specially suitable for attachments in ventilation, air-conditioning, heating, refrigeration installations as well as for hot and chilled water pipes

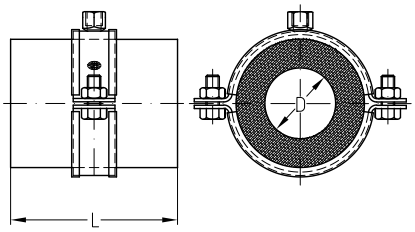
Advantages

- Rigorous avoidance of temperature bridges in cold pipelines
- Highly effective insulation due to support elements made of PET and a synthetic rubber mantle
- Insulation thickness matched to the increasing insulation layer thickness of the insulation sleeves
- Secure water vapour diffusion barrier
- Easy installation using self-adhesive fasteners in the part-joint
- Rubber surfaces on the face sides allow easy bonding with the rubber pipe insulation
- Fixed load-distribution sleeves for improved load transfer



Features

Material	polyethylene terephthalate, synthetic rubber
Effective density	100 kg/m³
Thermal conductivity	λ = 0.033 W/mK at 0 °C λ = 0.037 W/mK at +40 °C
Fire classification	Euroclass E - EN 13501-1 in systems association with AF/Armaflex: B-S_3-d_0
Temperature range	–50 °C to +110 °C
Water vapour diffusion resistance	μ = 10,000
Design	2 PET segment shells and closed-cell elastomeric foam, integral load-distributing sleeves, with two-piece pipe clamp



Pipe outer diameter	Max. recommended fastening distance [m]
10–18 mm	2.00
½"–24 mm	2.75
¾"–30 mm	3.00
1"–38 mm	3.50
1¼"–44.5 mm	3.75
1½"–57 mm	4.25
2"–70 mm	4.75
2½"–80 mm	5.50
from 3" upwards	6.00

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Insulation clamps type H – Insulation thickness 9.5–16 mm

two-piece, with single bossed clamps without lining and insulation shells, galvanised

			Insulation clamp M10 connection thread			Insulation shell type H					
Pipe outer-Ø D			Part no. complete clamp	Sales unit	Pack unit	Size [mm]	Length of shell L [mm]	Outer-Ø shell [mm]	Part no. single shell	Sales unit	Pack unit
Cooper pipe [mm]	Steel pipe [inch]	Steel pipe [mm]									
10		10.2	**148502**	1	pieces	10/12	45	34	**124168**	1	pieces
12								36			
	1/4							38			
15			**148503**			15/18		40	**111773**		
18	3/8							43			
22	1/2		**148504**			22/25		47	**111779**		
24								50			
28	3/4		**148505**			28/30		53	**111781**		
30								56			
35	1		**148506**			35/38	50	64	**111783**		
38								65			
42			**148507**			42/45		69	**111785**		
		44.5						72			
	1 1/2		**148508**			48	55	76	**111787**		
54			**148509**			54/57		82	**111789**		
57								85			
	2		**148510**			60	65	89	**111791**		
64			**148511**			64		92			
70			**148512**			70		98	**111793**		
	2 1/2		**148513**			76	75	105	**111795**		
80			**148514**			80		109			
	3		**148515**			89	95	118	**111797**		
		101.6	**148516**			102/108		134	**111765**		
108								137			
	4		**148517**			114	115	144	**111767**		
125			**148518**			125		155	**111769**		
		133.0	**148519**			133/140		165	**111771**		
	5		**148583**					172			
160			**150298**			160	125	193	**111775**		
	6	165.1	**150299**			165/168		198	**111777**		
		168.3	**150300**					201			

Please refer to chapter „Insulation“ for further information and insulation products.

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Insulation clamps type M – Insulation thickness 15.5–25 mm

two-piece, with single bossed clamps without lining and insulation shells, galvanised

			Insulation clamp M10 connection thread			Insulation shell type M					
Pipe outer -Ø D			Part no. complete clamp	Sales unit	Pack unit	Size [mm]	Length of shell L [mm]	Outer-Ø shell [mm]	Part no. single shell	Sales unit	Pack unit
Cooper pipe [mm]	Steel pipe [inch]	Steel pipe [mm]									
10		10.2	**148530**	1	pieces	10/12	55	46	**111801**	1	pieces
12								48			
	1/4							50			
15			**148531**			15/18		52	**111809**		
18	3/8							55			
22	1/2		**148532**			22/25		59	**111821**		
24								62			
28	3/4		**148533**			28/30		68	**111829**		
30								70			
35	1		**148534**			35/38	65	79	**111835**		
38								81			
42			**148535**			42/45		85	**111837**		
		44.5						88			
	1 1/2		**148536**			48		91	**111839**		
54			**148537**			54/57		98	**111841**		
57								101			
	2		**148538**			60/64	75	105	**111843**		
64								109			
70			**148539**			70		116	**111845**		
	2 1/2		**148540**			76	85	122	**111847**		
80			**148541**			80		127			
	3		**148542**			89	100	136	**111849**		
		101.6	**148543**			102		151	**111799**		
108			**148544**			108		156			
	4		**148545**			114	115	162	**111803**		
125			**148546**			125		173	**111805**		
		133.0	**150301**			133/140		183	**111807**		
	5							189			
160			**150302**			160		210	**111811**		
	6		**150303**			165/168	125	216	**111813**		
		168.3						219			
		216.0	**150304**			216/219	170	267	**111823**		
		219.1						270			

Please refer to chapter „Insulation“ for further information and insulation products.

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Insulation clamps type T – Insulation thickness 32–45 mm

two-piece, with single bossed clamps without lining and insulation shells, galvanised

			Insulation clamp M10 connection thread			Insulation shell type T					
Pipe outer -Ø D			Part no. complete clamp	Sales unit	Pack unit	Size [mm]	Length of shell L [mm]	Outer-Ø shell [mm]	Part no. single shell	Sales unit	Pack unit
Cooper pipe [mm]	Steel pipe [inch]	Steel pipe [mm]									
15			**148552**	1	pieces	15/18	75	77	**111887**	1	pieces
18	3/8										
22	1/2		**148553**			22/25		80	**111895**		
24								84			
28	3/4		**148554**			28/30		93	**111901**		
30								95			
35	1		**148555**			35/38	85	104	**111905**		
38								107			
42			**148556**			42/45		113	**111909**		
		44.5						116			
	1 1/2		**148557**			48		119	**111911**		
54			**148558**			54/57		126	**111913**		
57								129			
	2		**148559**			60/64	100	134	**111915**		
64								137			
70			**148560**			70		144	**111917**		
	2 1/2		**148561**			76	115	152	**111919**		
80			**148562**					156			
	3		**148563**			89	125	167	**111921**		
		101.6	**148564**			102/108		182	**111879**		
108								188			
	4		**150305**			114	145	196	**111881**		
125			**150306**			125		207	**111883**		
		133.0	**150307**			133/140		219	**111885**		
	5							225			
160			**150308**			160		248	**111889**		
	6		**150310**			165/168	165	254	**111891**		
		168.3						257			
		200.0	**150311**			204	215	305	**111893**		
		216.0	**150312**			216/219		317	**111897**		
		219.1						320			
		267.0	**150313**			267/273		368	**111903**		
		273.0						374			

Please refer to chapter „Insulation“ for further information and insulation products.

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