

### Insulation clamps type H, M, T

two-piece, with single bossed clamps with DÄMMGULAST® yellow and insulation shells, galvanised

#### 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

#### Your advantages

- Rigorous avoidance of temperature bridges in cold pipelines
- Highly effective insulation due to support elements made of PET and a synthetic rubber mantle

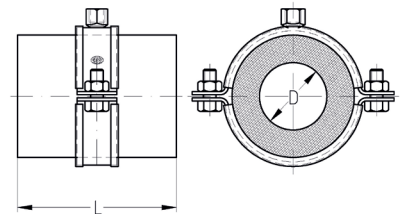
- Insulation thickness matched to the increasing insulation layer thickness of the insulation sleeves
- Reliable water vapour diffusion barrier
- Easy installation using self-adhesive fasteners in the part-joint
- Rubber surfaces on the face sides allow easy bonding with the rubber pipe insulation
- Fixed load-distribution sleeves for improved load transfer
- Structure-borne noise damping due to DÄMMGULAST® vibration control lining with yellow identification stripe: Average sound level improvement up to 22 dB(A)



#### Features



Material	Polyethylene terephthalate, synthetic rubber
Fire classification	Euroclass E - EN 13501-1 in systems association with AF/Armaflex: B-S3-d0
Effective density [kg/m³]	100
Thermal conductivity	$\lambda = 0.033 \text{ W/mK at } 0 \text{ }^\circ\text{C}$ $\lambda = 0.037 \text{ W/mK at } +40 \text{ }^\circ\text{C}$
Temperature range	-50 °C to +110 °C
Water vapour diffusion resistance	$\mu = 10,000$
Compression strength	4.3 N/mm² at 23 °C
Design	2 PET segment shells and closed-cell elastomeric foam, integral load-distributing sleeves, with two-piece pipe clamp, vibration-damped with DÄMMGULAST® lining




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#### Type H - Insulation thickness 9.5 - 16 mm

Pipe outer Ø D			Connecting thread	Insulation clamps		Sales unit	Pack unit	Size [mm]	Shell length L [mm]	Insulation shells		Sales unit	Pack unit
Copper pipes [mm]	Steel pipes [inch]	Steel pipes [mm]		Max. recommended fastening distance [m]	Part no. complete clamp					Outer Ø shell [mm]	Part no. single shell		
10		10.2	M10	2	111364	1	Pieces	10/12	45	34	124168	1	Pieces
12										36			
	1/4"			38									
15				111374	15/18	40	111773	43					
18	3/8"					47							
22	1/2"			2.75	111380	22/25	111779	50					
24								53					
28	3/4"			3	111382	28/30	111781	56					
30								59					
35	1"			3.5	111386	35/38	50	64					
38								65					
42				3.75	111388	42/45	111785	69					
		44.5						72					
	1 1/2"			4.25	111390	48	55	76					
54								82					
57				4.75	111394	60/64	65	89					
64	2"							92					
70				111396	70	76/80	75	98					
	2 1/2"							105					
80				5.5	111398	89	95	109					
	3"							118					
		101.6		6	111400	102/108	115	114					
108								134					
	4"			111366	114	125	125	144					
125								155					
		133		111368	111370	133/140	125	165					
	5"							172					
160				111372	111376	160	125	193					
	6"		198										
		168.3	111378	111378	165/168	125	201						

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

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#### Type M - Insulation thickness 15.5 - 25 mm

Pipe outer Ø D			Connecting thread	Insulation clamps		Sales unit	Pack unit	Size [mm]	Shell length L [mm]	Insulation shells		Sales unit	Pack unit
Copper pipes [mm]	Steel pipes [inch]	Steel pipes [mm]		Max. recommended fastening distance [m]	Part no. complete clamp					Outer Ø shell [mm]	Part no. single shell		
10		10.2	M10	2	111404	1	Pieces	10/12	55	46	111801	1	Pieces
12										48			
	¼"			50									
15				111414	15/18	52	111809						
18	⅜"					55							
22	½"			2.75	111426	22/25	59	111821					
24							62						
28	¾"			3	111430	28/30	68	111829					
30							70						
35	1"			3.5	111432	35/38	65	111835					
38							81						
42				3.75	111434	42/45	85	111837					
		44.5					88						
	1½"			4.25	111436	48	91	111839					
54							98		111841				
57				4.75	111440	60/64	75	111843					
64							109						
70				111442	70	76/80	85	111845					
70	2½"						116		111847				
80				5.5	111444	89	100	111849					
	3"		136				111799						
		101.6	6	111446	102/108	151		111803					
108						114	111805						
	4"		111406	114	115	162		111807					
125						111408	125		173				
		133	111410	133/140	183	111807							
	5"						189						
160			111412	160	210	111811							
	6"						111416	165/168	125	216			
		168.3	111418	219	111813								
		216	111420	216/219		170	267	111823					
		219.1	111428		270								



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#### Type T - Insulation thickness 32 - 45 mm

Pipe outer Ø D			Connecting thread	Insulation clamps		Sales unit	Pack unit	Insulation shells							
Copper pipes [mm]	Steel pipes [inch]	Steel pipes [mm]		Max. recommended fastening distance [m]	Part no. complete clamp			Size [mm]	Shell length L [mm]	Outer Ø shell [mm]	Part no. single shell	Sales unit	Pack unit		
15			M10	2	111527	1	Pieces	15/18	75	77	111887	1	Pieces		
18	¾"			2.75	111537			22/25		80	111895				
22	½"							3		111541	28/30			84	111901
24				3.5	111547				35/38					93	111905
28	¾"													3.75	111549
30				4.25	111551			48	104	111911					
35	1"								4.75	111553	54/57				
38				5.5	111555			60/64						104	111915
42									6	111557	70			107	111917
		44.5												111559	76/80
	1½"			111560	111560			89	116	111921					
54									111515	102/108	125			119	111879
57														111519	114
	2"			111521	125			165/168	129	111883					
64									111523	133/140	165				
70				111525	160			215						137	111889
		133												111529	204
80	2½"			111531	165/168			165	144	111893					
	3"								111533	204	215			152	111897
		168.3												111535	216/219
		200		111539	267/273			215	167	111903					
108									111543	267/273	215			182	111903
	4"			111545	267/273			215						188	111903
125									111545	267/273	215			196	111903
		133		111545	267/273			215						207	111903
	5"								111545	267/273	215			219	111903
160				111545	267/273			215						225	111903
		216	111545			267/273	215		248	111903					
	6"			111545	267/273			215	254	111903					
		168.3	111545			267/273	215		257	111903					
		200		111545	267/273			215	305	111903					
		216	111545			267/273	215		317	111903					
		219.1		111545	267/273			215	320	111903					
		267	111545			267/273	215		368	111903					
		273		111545	267/273			215	374	111903					



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