

Insulation clamps type H, M, T

two-piece, with single bossed clamps JUNIOR without lining 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

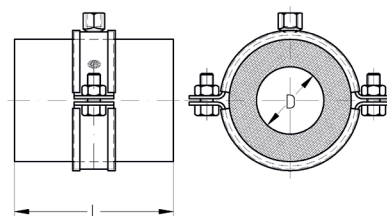
- Rigorous avoidance of temperature bridges in cold pipelines

- 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



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	$\lambda = 0.033 \text{ W/mK at } 0^\circ\text{C}$ $\lambda = 0.037 \text{ W/mK at } +40^\circ\text{C}$
Temperature range	$-50^\circ\text{C to } +110^\circ\text{C}$
Water vapour diffusion resistance	$\mu = 10,000$
Design	2 PET segment shells and closed-cell elastomeric foam, integral load-distributing sleeves, with two-piece pipe clamp



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Type H - Insulation thickness 9.5 - 16 mm

Pipe outer Ø D			Insulation clamps					Insulation shells														
Copper pipes [mm]	Steel pipes [inch]	Steel pipes [mm]	Connecting thread	Max. recommended fastening distance [m]	Part no. complete clamp	Sales unit	Pack unit	Size [mm]	Shell length L [mm]	Outer Ø shell [mm]	Part no. single shell	Sales unit	Pack unit									
10		10.2	M8/M10	2	148565	1	Pieces	10/12	45	34	124168	1	Pieces									
12					148566					36												
	¼"				148567					38												
15				2.75	148568			15/18		40	111773											
18	⅜"									43												
22	½"							22/25		47	111779											
24				50																		
28	¾"			3	148569			28/30		53	111781											
30										56												
35	1"			3.5	148570			35/38	50	64	111783											
38										65												
42								3.75	148571					69	111785							
		44.5		148572					72													
	1½"			4.25	148573					48	55			76	111787							
54					148574					54/57				82				111789				
57					4.75			148575						60/64	65	89	111791					
64	2"			92																		
70				148576							70				98	111793						
	2½"							5.5	148577						76/80				75	105	111795	
80									76/80	75	109											
	3"			6	148578						89			95	118	111797						
		101.6						102/108		134	111765											
108										102/108					137							
	4"			114	115			144	111767													
125								125						155	111769							
		133		133/140					165	111771												
	5"							133/140						172								



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			Insulation clamps					Insulation shells												
Copper pipes [mm]	Steel pipes [inch]	Steel pipes [mm]	Connecting thread	Max. recommended fastening distance [m]	Part no. complete clamp	Sales unit	Pack unit	Size [mm]	Shell length L [mm]	Outer Ø shell [mm]	Part no. single shell	Sales unit	Pack unit							
10		10.2	M8/M10	2	148589	1	Pieces	10/12	55	46	111801	1	Pieces							
12										48										
	¼"			2.75	148590			15/18	65	50	111809									
15										52										
18	⅜"							55		22/25	59			111821						
22	½"							62												
24								68		28/30	70			111829						
28	¾"				3			148592												
30					3.5			148593		35/38	79			111835						
35	1"										81									
38					3.75			148594		42/45	85			111837						
42											88									
		44.5						4.25		148595	48			91	111839					
	1½"							148596		54/57				98	111841					
54								4.75		148597	60/64			75	105	111843				
57										109										
64										116					111845					
70										122					111847					
	2½"				5.5			148599		76/80	85			127	136	111849				
80															151	111799				
		101.6			6			148600		102/108	115			156	162	111803				
								148601						173		111805				
108								150345						183		111807				
	4"							148602						189						
125								151164												
		133						151165												
	5"																			



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Type T - Insulation thickness 32 - 45 mm

Pipe outer Ø D			Insulation clamps					Insulation shells										
Copper pipes [mm]	Steel pipes [inch]	Steel pipes [mm]	Connecting thread	Max. recommended fastening distance [m]	Part no. complete clamp	Sales unit	Pack unit	Size [mm]	Shell length L [mm]	Outer Ø shell [mm]	Part no. single shell	Sales unit	Pack unit					
15			M8/M10	2	148603	1	Pieces	15/18	75	77	111887	1	Pieces					
18	⅜"			2.75	148604			22/25		80	111895							
22	½"									84								
24				3	148605			28/30		93	111901							
28	¾"									95								
30				3.5	148606			35/38	85	104	111905							
35	1"									107								
38				3.75	148607			42/45		113	111909							
42										116								
		44.5		4.25	148608			48		119	111911							
	1½"									126								
54				148609				54/57		129	111913							
57										134								
	2"			4.75	148610			60/64	100	137	111915							
64										144				111917				
70					148611			70		144	111917							
	2½"									5.5				150346			76/80	
80				156														
	3"			6	148612			89		167	111921							
										182				111879				
		101.6			151166			102		182	111879							
108															108	188		



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