

Insulation clamps RTN+ type 2 and 4

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

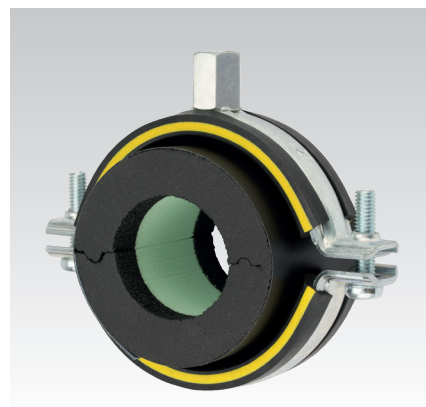
Application

- Insulation of pipelines 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

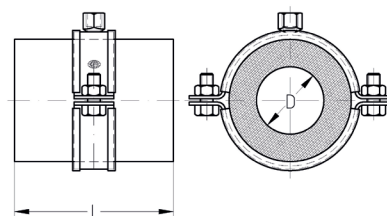
- Highly effective insulation due to support elements made of PIR and a synthetic rubber mantle
- Insulation thickness matched to the increasing insulation layer thickness of the insulation sleeves
- Rubber surfaces on the face sides allow easy bonding with the rubber pipe insulation
- Structure-borne noise damping due to DÄMMGULAST® vibration control lining with yellow identification stripe: Average sound level improvement up to 22 dB(A)



Features



Material	Polyurethane-polyisocyanurate rigid foam, synthetic rubber
Fire classification	DIN EN 13501-1:2007 Euroclass E
Effective density [kg/m³]	120
Thermal conductivity	$\lambda = 0.034 \text{ W/mK at } 0^\circ\text{C}$ $\lambda = 0.038 \text{ W/mK at } +40^\circ\text{C}$
Temperature range	-45 °C to +105 °C
Water vapour diffusion resistance	$\mu = 10,000$
Design	Insulation clamp with ultraflexible closed cell insulation system with high water vapour diffusion resistance and low thermal conductivity, with two-piece pipe clamp, vibration-damped with DÄMMGULAST® lining



Type 2 - Insulation thickness 9.5 - 15 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	Shell length L [mm]	Outer Ø shell [mm]	Part no. single shell	Sales unit	Pack unit
6		6	M10	2	150509	1	Pieces	50	25	149190	1	Pieces
10	1/8"	10.2			150511				34	149192		
12		12.5			150512				36	149193		
15	1/4"	13.5			150513				40	149194		
18	3/8"	17.2		2.25	150514				43	149195		
22	1/2"	21.3			150515				47	149196		
28	3/4"	26.9		3	150516				53	149197		
35	1"	33.7			150517				61	149198		
42	1 1/4"	42.4		3.75	150519				69	149200		
	1 1/2"	48.3			150520				76	149201		
54		54		4.25	150521				82	149202		
	2"	60.3			150523				89	149204		
64		63.5		4.75	150524				92	149205		
76.1	2 1/2"	76.1			150526				105	149207		
88.9	3"	88.9		5.5	150528				118	149209		
108		108			150530				141	149211		
114	4"	114.3			150531				144	149212		

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Type 4 - Insulation thickness 15.5 - 25.5 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	Shell length L [mm]	Outer Ø shell [mm]	Part no. single shell	Sales unit	Pack unit
10	⅜"	10.2	M10	2	150532	1	Pieces	50	46	149213	1	Pieces
12		12.5			150533				48	149214		
15	¼"	13.5			150534				52	149215		
18	⅝"	17.2		2.25	150535				55	149216		
22	½"	21.3		2.75	150536				60	149217		
28	¾"	26.9		3	150537				66	149219		
35	1"	33.7		3.5	150538				74	149220		
42	1¼"	42.4		3.75	150540				85	149222		
	1½"	48.3		4.25	150541				91	149223		
54		54			150542				98	149224		
	2"	60.3		4.75	150544				105	149226		
64		63.5			150545				109	149227		
76.1	2½"	76.1		5.5	150547				122	149229		
88.9	3"	88.9		6	150549				136	149231		
108		108			150551				156	149233		
114	4"	114.3			150552				162	149234		
133		133			150553				183	149235		
	5"				150554				189	149236		
159		160			150555				210	149237		
168		168.3			150557				219	149239		

