

Insulation clamps RTN+ type 2 and 4

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

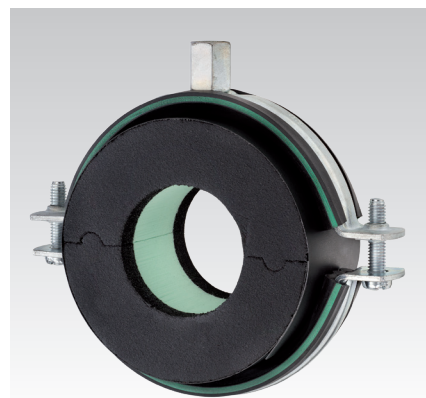
Application

- 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

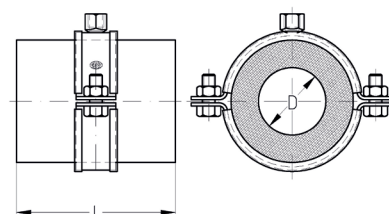
- Highly effective insulation due to support elements made of PIR and a synthetic rubber mantle
- Insulation thickness matched to the increasing insulation layer thickness of the insulation sleeves
- Rubber surfaces on the face sides allow easy bonding with the rubber pipe insulation
- Structure-borne noise damping due to DÄMMGULAST® vibration control lining with green identification stripe: Average sound level improvement up to 18 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	150411	1	Pieces	50	25	149190	1	Pieces
10	1/8"	10.2			150413				34	149192		
12		12.5			150414				36	149193		
15	1/4"	13.5			150415				40	149194		
18	3/8"	17.2			150416				43	149195		
22	1/2"	21.3		2.25	150417				47	149196		
28	3/4"	26.9		2.75	150418				53	149197		
35	1"	33.7		3	150419				61	149198		
42	1 1/4"	42.4		3.5	150421				69	149200		
	1 1/2"	48.3		3.75	150422				76	149201		
54		54		4.25	150423				82	149202		
	2"	60.3		4.75	150425				89	149204		
64		63.5			150426				92	149205		
76.1	2 1/2"	76.1		5.5	150428				105	149207		
88.9	3"	88.9		6	150430				118	149209		
108		108			150432				141	149211		
114	4"	114.3			150433				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	⅛"	10.2	M10	2	150434	1	Pieces	50	46	149213	1	Pieces
12		12.5			150435				48	149214		
15	¼"	13.5			150436				52	149215		
18	⅜"	17.2		2.25	150437				55	149216		
22	½"	21.3		2.75	150438				60	149217		
28	¾"	26.9		3	150439				66	149219		
35	1"	33.7		3.5	150440				74	149220		
42	1¼"	42.4		3.75	150442				85	149222		
	1½"	48.3		4.25	150443				91	149223		
54		54			150444				98	149224		
	2"	60.3		4.75	150446				105	149226		
64		63.5			150447				109	149227		
76.1	2½"	76.1		5.5	150449				122	149229		
88.9	3"	88.9		6	150451				136	149231		
108		108			150453				156	149233		
114	4"	114.3			150454				162	149234		

