

## Insulation clamps RTN+ type 2 and 4

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

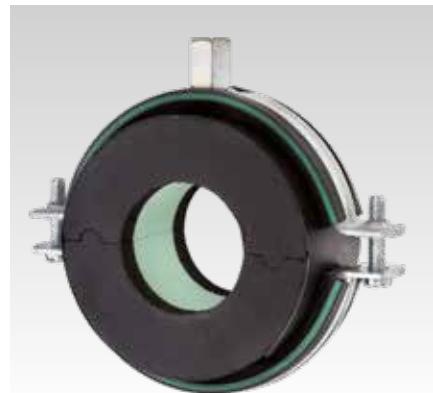
### Application

- 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

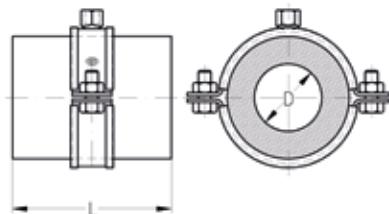
- Highly effective insulation due to support elements made of PIR and a synthetic rubber mantle
- Insulation thickness matched to the increasing insulation layer thickness of the insulation sleeves
- Rubber surfaces on the face sides allow easy bonding with the rubber pipe insulation
- Structure-borne 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	$-45^\circ\text{C}$ to $+105^\circ\text{C}$		
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

Copper pipes [mm]	Steel pipes [inch]	Steel pipes [mm]	Connecting thread	Insulation clamps			Sales unit	Pack unit	Shell length L [mm]	Insulation shells		
				Max. recommended fastening distance [m]	Part no. complete clamp	Sales unit				Outer Ø shell [mm]	Part no. single shell	Sales 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		2.25	150416				43	149195		
22	1/2"	21.3		2.75	150417				47	149196		
28	3/4"	26.9		3	150418				53	149197		
35	1"	33.7		3.5	150419				61	149198		
42	1 1/4"	42.4		3.75	150421				69	149200		
	1 1/2"	48.3		4.25	150422				76	149201		
54		54			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		

## Insulation clamps RTN+ type 2 and 4

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

### Type 4 - Insulation thickness 15.5 - 25.5 mm

Copper pipes [mm]	Steel pipes [inch]	Steel pipes [mm]	Connecting thread	Insulation clamps			Insulation shells					
				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		
10	1/8"	10.2	M10	2	150434	1	Pieces	50	46	149213	1	Pieces
12		12.5			150435				48	149214		
15	1/4"	13.5			150436				52	149215		
18	3/8"	17.2		2.25	150437				55	149216		
22	1/2"	21.3			150438				60	149217		
28	3/4"	26.9			150439				66	149219		
35	1"	33.7		3.5	150440				74	149220		
42	1 1/4"	42.4			150442				85	149222		
54		54			150443				91	149223		
	2"	60.3		4.25	150444				98	149224		
64		63.5			150446				105	149226		
76.1	2 1/2"	76.1			150447				109	149227		
88.9	3"	88.9		5.5	150449				122	149229		
108		108			150451				136	149231		
114	4"	114.3			150453				156	149233		
					150454				162	149234		