

Insulation clamps RTN+ type 2 and 4

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

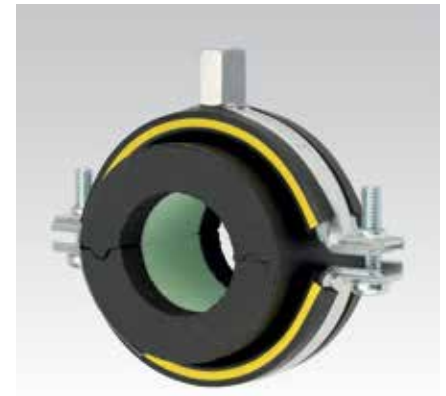
Field of application

- 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

Advantages

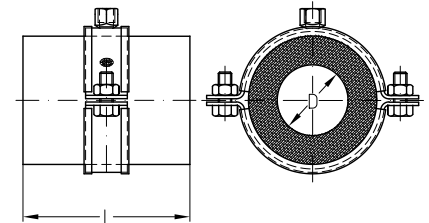
- Rigorous avoidance of temperature bridges in cold pipelines

- 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
Effective density	120 kg/m³
Thermal conductivity	$\lambda = 0.034 \text{ W/mK at } 0^\circ\text{C}$ $\lambda = 0.038 \text{ W/mK at } +40^\circ\text{C}$
Fire classification	DIN EN 13501-1:2007 Euroclass E
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



Pipe outer diameter	Single bossed clamp with DÄMMGULAST® yellow, galvanised
	Max. recommended fastening distance [m]
6–15 mm	2.00
3/8"–18 mm	2.25
1/2"–24 mm	2.75
3/4"–30 mm	3.00
1"–38 mm	3.50
1 1/4"–44.5 mm	3.75
1 1/2"–57 mm	4.25
2"–70 mm	4.75
2 1/2"–80 mm	5.50
from 3" upwards	6.00

Insulation clamps RTN+ type 2 – Insulation thickness 9.5–15 mm

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

			Insulation clamp M10 connection thread			Insulation shell RTN+ type 2				
Pipe outer-Ø D			Part no. complete clamp	Sales unit	Pack unit	Length of shell L [mm]	Outer-Ø shell [mm]	Part no. single shell	Sales unit	Pack unit
Copper pipe [mm]	Steel pipe [inch]	Steel pipe [mm]								
6.0		6.0	150509	1	pieces	50	25	149190	1	pieces
8.0		8.0	150510				28	149191		
10.0	1/8	10.2	150511				34	149192		
12.0		12.5	150512				36	149193		
15.0	1/4	13.5	150513				40	149194		
18.0	3/8	17.2	150514				43	149195		
22.0	1/2	21.3	150515				47	149196		
28.0	3/4	26.9	150516				53	149197		
35.0	1	33.7	150517				61	149198		
38.0		38.0	150518				65	149199		
42.0	1 1/4	42.4	150519				69	149200		
	1 1/2	48.3	150520				76	149201		
54.0		54.0	150521				82	149202		
57.0		57.0	150522				85	149203		
	2	60.3	150523				89	149204		
64.0		63.5	150524				92	149205		
		70.0	150525				98	149206		
76.1	2 1/2	76.1	150526				105	149207		
		80.0	150527				109	149208		
88.9	3	88.9	150528				118	149209		
	3 1/2	101.6	150529				134	149210		
108.0		108.0	150530				141	149211		
114.0	4	114.3	150531				144	149212		



Insulation clamps RTN+ type 4 – Insulation thickness 15.5–25.5 mm two-piece, with single bossed clamp with DÄMMGULAST® yellow and insulation shells, galvanised

			Insulation clamp M10 connection thread			Insulation shell RTN+ type 4				
Pipe outer-Ø D			Part no. complete clamp	Sales unit	Pack unit	Length of shell L [mm]	Outer-Ø shell [mm]	Part no. single shell	Sales unit	Pack unit
Copper pipe [mm]	Steel pipe [inch]	Steel pipe [mm]								
10.0	⅜	10.2	150532	1	pieces	50	46	149213	1	pieces
12.0		12.5	150533				48	149214		
15.0	¼	13.5	150534				52	149215		
18.0	⅜	17.2	150535				55	149216		
22.0	½	21.3	150536				60	149217		
28.0	¾	26.9	150537				66	149219		
35.0	1	33.7	150538				74	149220		
38.0		38.0	150539				79	149221		
42.0	1¼	42.4	150540				85	149222		
	1½	48.3	150541				91	149223		
54.0		54.0	150542				98	149224		
57.0		57.0	150543				101	149225		
	2	60.3	150544				105	149226		
64.0		63.5	150545				109	149227		
		70.0	150546				116	149228		
76.1	2½	76.1	150547				122	149229		
		80.0	150548				126	149230		
88.9	3	88.9	150549				136	149231		
	3½	101.6	150550				149	149232		
108.0		108.0	150551				156	149233		
114.0	4	114.3	150552				162	149234		
133.0		133.0	150553				183	149235		
	5	139.7	150554				189	149236		
159.0		160.0	150555				210	149237		
		165.0	150556				216	149238		
168.0		168.3	150557				219	149239		

