

Insulation clamps RG 80

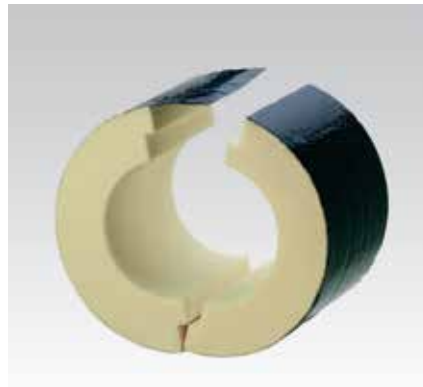
with DÄMMGULAST® and insulation shells, galvanised

Field of application

- Thermal decoupled pipe support in the field of refrigeration
- Specially suitable for attachments in ventilation, air-conditioning, heating, refrigeration installations as well as for chilled water pipes

Advantages

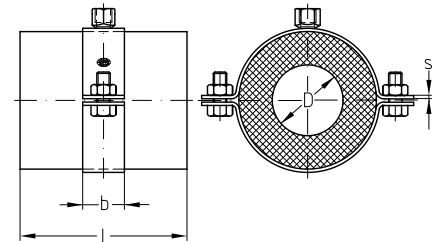
- Rigorous avoidance of temperature bridges in hot or cold pipework
- **High insulation effect**, low effective density
- Prevents the formation of condensation on the pipe clamp
- **Vapour barrier** due to the aluminium facing
- Good adhesion between shell and vibration lining due to **releasing agent-free surfaces**
- Longer shell lengths are available if the vapour barrier is required to overlap within the region of the butt joints



- Load-distributing sleeves are available for improved spreading of the load
- Insulation shells and pipe clamps with DÄMMGULAST® lining are matched to fit exactly
- Average vibration reduction up to 22 dB(A)

Features

Material	Polyurethane rigid foam, with closed cells
Density	80 kg/m³
Thermal conductivity	$\lambda = 0.026 \text{ W/mK}$
Fire classification (according to DIN 4102)	B2
Temperature range	-30 °C to +120 °C
Compression strength	0.65 N/mm²
Type	PU shell, aluminium facing, black surface finish, vibration damping due to single bossed clamp with DÄMMGULAST® lining



! According to the **AGI Working Sheet Q 11** ("Arbeitsgemeinschaft Industriebau", an association for industrial construction works) the insulating shell must have the same thickness as that of the vibration lining. The butt joints between the insulation shell halves and the outer vibration lining must overlap and be functionally linked to each other. This can be done e.g. by the use of adhesive or self-adhesive tape. To achieve as good a **vapour-tight joint** as possible, an adhesive tape overlap of 50 mm on each side of the butt joints is occasionally required. For this purpose, the insulation shells can be supplied in longer lengths. The length of the insulation shells in all cases should be agreed in detail by the pipe-laying contractor on the one hand and the insulation contractor on the other prior to starting the installation work.

For pipe diameters of 2" and upwards we recommend as a principle the insertion of load-distributing sleeves for spreading the load.

The use of load-distributing metal sleeves can also be required for smaller pipe diameters depending on the spacing between supports (for further details, please refer to the following pages).

When installing **pipe anchor points** we recommend wooden blocks and STATO® Clamps (see chapter "Anchor points/expansion points").

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Connecting thread M10, aluminium facing with black surface finish,
length of shell L = 100 mm



Pipe outer-Ø D		Insulation thickness 20 mm	Insulation thickness 30 mm	Sales unit	Pack unit
[inch]	[mm]	Part no.	Part no.		
3/8	17.2	124404	124408	1	pieces
1/2	21.3	124436	124440		
3/4	26.9	124502	124506		
1	33.7	124546	124550		
1 1/4	42.4	124582	110226		
1 1/2	48.3	110242	110244		
	57.0	110256	110258		
2	60.3	110266	110268		
	70.0	110286	110288		
2 1/2	76.1	110300	110302		
	83.0	110310	110312		
3	88.9	110320	110322		
	102.0	124180	124184		
	110.0	124212	124216		
4	114.3	124245	124249		
	125.0	124269	124273		
	133.0	124289	124293		
5	139.7	124329	124333		
	160.0	124358	124362		
6	168.3	124381	124389		
8	219.1	124464	124472		



Differing diameters, connection threads, insulation thicknesses and shell lengths can be produced upon request.

Sizes for copper pipes

Pipe outer diameter D [mm]	Insulation thickness 20 mm Part no.	Sales unit	Pack unit
15.0	110328	1	pieces
18.0	110330		
22.0	110332		
28.0	110334		
35.0	110336		
42.0	124582		
54.0	110338		