

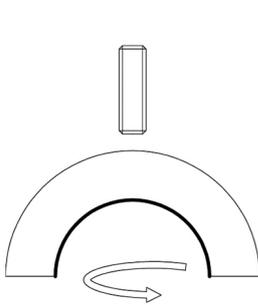
Insulation clamps type 175 EX galvanised

Application

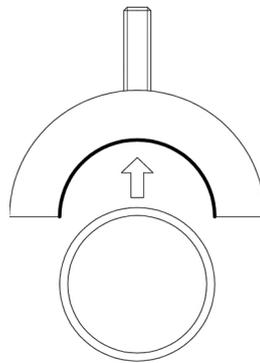
- Thermal decoupled pipe attachment in the field of refrigeration
- Specially suitable for attachments in ventilation, air-conditioning, heating, refrigeration installations as well as for hot and chilled water pipes
- Stable insulating element for high impacts

Your advantages

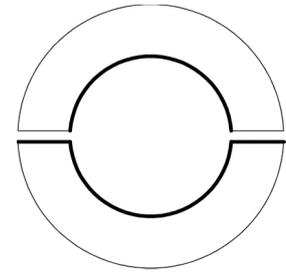
- Two half shells including screws, mounted
- With combined connecting thread metric and inch
- High vapour diffusion resistance
- Ideal for separating individual pipe sections when using open diffusion insulating materials (mineral fibre)
- With caoutchouc lining on the pipe side and on the separation surfaces of the insulating clamp, no PU-Sealer necessary



Screw on upper half with dual thread



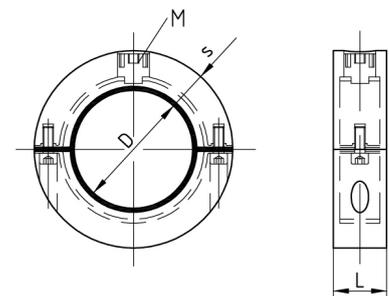
Position pipe



Firmly screw lower half with the offset caoutchouc seating (PUR on caoutchouc, caoutchouc on PUR) firmly to the upper half. The additional use of PU sealer may be omitted

Features

Material	Polyurethane, black
Fire classification	B2 acc. to DIN 4102 (normally flammable)
Effective density [kg/m ³]	250
Thermal conductivity	$\lambda = 0.029$ W/mK at -180 °C, $\lambda = 0.032$ W/mK at -150 °C, $\lambda = 0.038$ W/mK at -100 °C, $\lambda = 0.044$ W/mK at -50 °C, $\lambda = 0.047$ W/mK at -20 °C, $\lambda = 0.049$ W/mK at 0 °C, $\lambda = 0.052$ W/mK at $+20$ °C, $\lambda = 0.054$ W/mK at $+40$ °C
Temperature range	-50 °C to $+105$ °C
Water vapour diffusion resistance	$\mu = 1,200$
Compression strength	8.11 N/mm ² at -180 °C, 9.62 N/mm ² at -80 °C, 4.91 N/mm ² at 0 °C, 3.96 N/mm ² at $+23$ °C



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Pipe outer Ø D [mm]	Connecting thread M	Insulation thickness [mm]	Shell length L [mm]	Locking Screws	Permanent load-bearing capacity [N]	Part no.	Sales unit	Pack unit		
9.5	M8/M10½"	30	40	5	250	111360	10	Pieces		
12.7						111304				
15.8						270			111312	
17.2									111318	
18						280			111320	
21.3									111326	
22						330			111330	
26.9									111332	
28						420			111334	
33.7									111336	
35						530			111338	
42.4									111340	
48.3						750			111342	
50									111344	
54						870			111346	
60.3									1,200	111350
64						1,240			50	111352
70										1,370
76.1						1,480			60	111356
88.9										1,730
108	2,530	60	111299							
114.3			2,670	111302						
129	3,010	60	111306							
133			3,110	111308						
139.7	3,270	60	111310							
159			3,720	111314						
168.3	4,040	60	111316							
193.7			4,300	111322						
204	5,200	100	111324							
219.1			5,260	111328						

 According to the AGI Working Sheet Q 11 ("Arbeitsgemeinschaft Industriebau", an association for industrial construction works) the insulation of refrigeration lines must be made diffusion tight. The connection with the outer pipe insulation is made by using a complying adhesive for the insulation material (use adhesive suitable for PU).