

# Foam glass pipe holder

with DÄMMGULAST® blue, galvanised

## Field of application

- **Ideal for cooling systems in areas with special fire protection requirements**
- Thermally decoupled fixing of pipelines in buildings
- Ideally suited for fixing pipelines that carry higher temperature media in air conditioning and heating systems, and for cooling systems and hot or cold water pipes

## Advantages

- Reliable prevention of temperature bridges between the building and hot or cold pipelines
- No damage is caused by aggressive media and atmosphere to the foam-glass insulation
- Dimensionally stable under a variety of temperature and humidity conditions – no changes to shape or surface are caused by the influence of climate or weather
- Outstanding compressive strength

- **Non-combustible, does not soak up flammable liquids (materials class A1 in accordance with DIN 4102 Part 1 / Euro class A in accordance with EN 13501-1) – does not spread fire**
- Impermeable to water and water vapour - no soaking through of insulation material with condensed water, i.e. does not promote corrosion
- Foam-glass shell and pipe clamp fitted perfectly to DÄMMGULAST® blue lining
- For an optimal load transfer, the half-shells are glued to the load-distribution sleeves over their entire surface
- **DÄMMGULAST® Vibration control lining with blue indicator stripe, fire class B1 in accordance with DIN 4102, non-dripping in a fire**
- **Structure-borne noise damping due DÄMMGULAST® vibration control lining with blue indicator stripe: average sound level improvement up to 16.5 dB(A)**



## Features

Type of foam glass	Grade T4	Grade F
Approx. bulk density [kg/m³]	120	165
Thermal conductivity	$\lambda = 0.041 \text{ W/mK at } +10^\circ\text{C}$	$\lambda = 0.048 \text{ W/mK at } +10^\circ\text{C}$
Behaviour in fire in accordance with DIN 4102 Part 1	Material class A1 Euro class A	Material class A1 Euro class A
Compressive strength in accordance with DIN 53421 [N/mm²]	0.70	1.70
Coefficient of thermal expansion [K <sup>-1</sup> ]	$8.5 \times 10^{-6} \text{ K}^{-1}$	$9 \times 10^{-6} \text{ K}^{-1}$
Water vapour diffusion resistance	$\mu = \infty$	$\mu = \infty$
Heat capacity [kJ/kgK]	0.84	0.84

External pipe-Ø [mm]	Foam glass pipe holder			Part no.  Foam glass pipe holder with load distributing sleeve		Distance between fixings for foam glass with load distributing sleeve and single bossed clamp	Sales unit	Pack unit
	Grade	Insulation thickness [mm]	Length [mm]	without single bossed clamp	with single bossed clamp	Max. recommended fastening distance [m]		
12.0	T4	25	150	143890	144615	1.8	1	pieces
13.5				143891	144692			
15.0				143892	144693			
17.2				143893	144694			
18.0				143894	144695			
21.3				143895	144696	2.0		
22.0				143896	144697			
26.9				143898	144698			
28.0				143899	144699			
33.7				143900	144700			

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	Grade	Insulation thickness [mm]	Length [mm]	without single bossed clamp	with single bossed clamp	Max. recommended fastening distance [m]		
35.0	T4	25	150	143901	144701	2.2	1	pieces
42.4				143902	144702	2.5		
48.3				143903	144703	3.0		
		40		143904	144704			
51.0*				143905	144705			
54.0		25		143906	144706			
57.0		40		143907	144707			
60.3		25		143908	144708			
		40		143909	144709			
64.0		25		143910	144710			
70.0*		40		143911	144711	3.5		
76.1		25		143912	144712			
		40		143913	144713			
88.9		25		143914	144714	4.8		
		40		143915	144715			
101.6*				143916	144716			
108.0*		25		143917	144717			
		40		143918	144718			
114.3		25		143919	144719	5.0		
		40		143920	144720			
		50		143921	144721			
127.0*		40		143922	144722			
		50		143923	144723			
133.0*		40		143924	144724			
		50		143925	144725			
135.0*				143926	144726			
139.7		40		143927	144727			
		50		143928	144728			
159.0*		40	143929	144729	5.6			
		50	143930	144730				
160.0*			143931	144731				
168.3		40	143932	144732	5.9			
		50	143933	144733				
193.7*		40	143934	144734	5.0			
		50	143935	144735				
219.1	F	40	143936	144736				
		50	143937	144737				
244.5*		40	143938	144738	4.0			
		50	143939	144739				
273.0*		40	143940	144740				
		50	143941	144741				
298.5*			143942	144742	3.7			
323.9*			143943	144743	3.2			
355.6*			143944	144744	2.9			



Fast delivery upon request.

Delivery times for foam-glass pipe holders marked with\* are provided upon request.

Load distributing sleeve, 1 mm thickness, from 12.0 mm to 139.7 mm

Load distributing sleeve, 2 mm thickness, from 159.0 mm to 168.3 mm

Load distributing sleeve, 2.5 mm thickness, from 193.7 mm to 355.6 mm

Single bossed clamp with M10 connection thread, from 12.0 mm to 139.7 mm

Single bossed clamp with M12 connection thread, from 159.0 mm to 355.6 mm