TSD-V KN THERMAL IMPACT ANCHOR

Anchor dimensions: TSD-V KN Insulation Anchor, 60 mm disk dia.					
Designation	**Total length L [in mm]**	**Insulating material thickness[1] h_D [in mm]**	**ETA for multiple attachment**	**Art. No.**	**P.**
TSD-V KN	100	60	ETA-13/0075	**5921 508 100**	200
	120	80		**5921 508 120**	
	140	100		**5921 508 140**	
	160	120		**5921 508 160**	
	180	140		**5921 508 180**	
	200	160		**5921 508 200**	150
	220	180		**5921 508 220**	100
	240	200		**5921 508 240**	
	260	220		**5921 508 260**	
	280	240		**5921 508 280**	
	300	260		**5921 508 300**	

[1] When taking a tolerance of 10 mm into account (e.g. for insulating material adhesive). With old buildings, any layer of plaster still existing can result in a reduction in the maximum insulating material thickness. The respective local building situation must always be taken into account.

Anchor dimensions: W-DD-B Damping Disk				
Designation	**Diameter**	**ETA**	**Art. No.**	**P.**
W-DD-B 90	90	ETA-12/0407	**5921 301 090**	200
W-DD-B 110	110		**5921 301 110**	
W-DD-B 140	140		**5921 301 140**	150

Characteristic installation values: Concrete and masonry		
Anchor diameter [in mm]		**TDS-V KN**
Nom. drill dia.	**d_0 [in mm]**	8
Drill cutting dia.	**$d_{cut} \leq$ [in mm]**	8.45
Drilled hole depth	**$h_1 \geq$ [in mm]**	40
Effective anchoring depth	**h_{ef} [in mm]**	30
Minimum component thickness	**h [in mm]**	100
Minimum axial spacing	**s_{min} [in mm]**	
Minimum edge spacing	**c_{min} [in mm]**	

Performance data:					
Brick type	**Raw density class [in kg/dm³]**	**Minimum compressive strength [in N/mm²]**	**Central tensile load[1] N_{perm} [in kN]**	**Heat transfer coefficient [in W/K]**	**Disk stiffness [in kN/mm]**
Concrete C12/15			0.14	0.000	1.24[2]
Concrete C16/20 – C50/60			0.21		
Solid sand-lime brick, KS, e.g. according to DIN V 106/EN 771-2	> 1.8	12	0.21		
Clay brick, Mz, e.g. according to DIN 105-100/EN 771-1	> 1.7	12	0.21		
Vertically perforated brick, HLz, e.g. according to DIN 105-100/EN 771-1 Outside bar thickness ≥ 12 mm	> 1.0	12	0.11		
Perforated sand-lime brick, KSL, e.g. according to DIN V 106/EN 771-2 Outside bar thickness ≥ 22 mm	> 1.4	12	0.18		
Light concrete hollow block, e.g. according to DIN 18151-100/EN 771-3 1K Hbl 2-0.8-12, 495x175x248	> 0.8	2	0.11		
Vertically perforated brick e.g. according to ÖNORM B6124 Outside bar thickness ≥ 10 mm	> 0.9	12	0.11		

[1] The part safety coefficients of the resistances regulated in the approval and a part safety coefficient of the effects of $\gamma_F = 1.4$ have been taken into account.
[2] The load-bearing capacity of the anchor plate is 1.75 kN (this value does not apply to the measurement of the anchoring base).