

R-DB Ceiling screw-in solution with washer

Screw-in system for fastening ceiling and acoustic insulation boards



Product information

Features and benefits

- Easy removable solution helps to replace the insulation board if necessary
- Screw for concrete substrates, TX25 head. Shape and type of the thread specially design to allow connecting to concrete and wood.
- Special zinc flake corrosion-resistant coating for anti-corrosion protection.
- The drill point is designed to provide a fast and hassle-free installation in the steel. Sharp point of the drill prevents movement of the surface of the fixture.
- Wide retaining plate improve pull-through insulation loads for the fixing point
- Flange ensures flush fit to insulation surface.

Applications

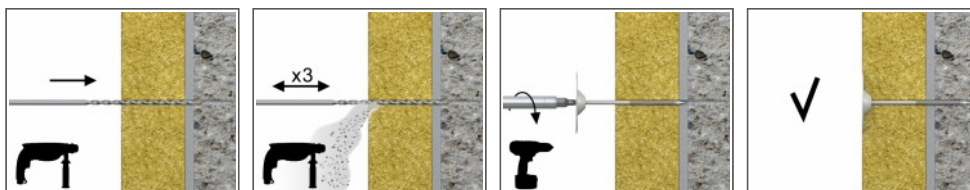
- Thermal and acoustic insulation
- Ceiling and acoustic insulation boards
- Mineral wool (MW) boards

Base materials

Approved for use in:

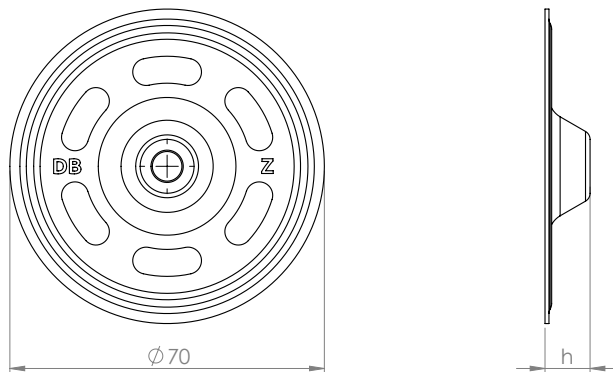
- Concrete C20/25-C50/60

Installation guide



1. Drill a 5mm diameter hole perpendicular to the surface of the substrate
2. Clean drilled hole 3 times.
3. Use a standard bit for installation
4. The upper part of the plate must be flush with surface
5. Properly set insulation fixing

Product information



Size	Product Code	Fixing	Hole depth	Embedment depth	Hole diameter	Thickness	Depth
		Plate diameter					
		D	h _o	L	d	t	h
		[mm]					
Ø70	R-DB-Z	70	30	25	6.5	0.8	10
	R-DB-Z-FL	70	30	25	6.5	0.8	5

Installation data

Size	70mm		
Hole diameter in substrate	d ₀	[mm]	5
Min. hole depth in substrate	h ₀	[mm]	30
Min. installation depth	h _{nom}	[mm]	25
Min. substrate thickness	h _{min}	[mm]	80
Min. edge distance	c _{min}	[mm]	100
Min. spacing	s _{min}	[mm]	100

Basic performance data

Property	Value
Design load N _{Rd} [kN]	0.50

Product commercial data

Size	Product Code	Fixing	Hole diameter [mm]	Thickness [mm]	Screw	Quantity [pcs]			Weight [kg]			Bar Codes
		Plate diameter [mm]			Length [mm]	Box	Outer	Pallet	Box	Outer	Pallet	
Ø 70	R-DB-Z	70	6.5	0.8		100	800	25600	2.4	19.0	636.7	5906675387222
	R-DB-Z-FL	70	6.5	0.8		100	800	25600	2.4	19.0	636.7	5906675387239
Ø 6.1	R-WBT-61050				50	100	3200	76800	0.94	30.1	752.4	5906675101200
	R-WBT-61075				75	100	1600	38400	1.13	18.0	462.8	5906675101231
	R-WBT-61090				90	100	1600	38400	1.36	21.8	552.2	5906675101309
	R-WBT-61100				100	100	1600	38400	1.50	24.0	605.3	5906675101408
	R-WBT-61120				120	100	1200	28800	1.81	21.7	550.2	5906675101439
	R-WBT-61140				140	100	1200	28800	2.1	25.0	628.8	5906675101460
	R-WBT-61160				160	100	1200	28800	2.4	28.5	712.9	5906675101514
	R-WBT-61180				180	100	100	16800	2.7	2.7	477.9	5906675225173
	R-WBT-61200				200	100	100	16800	2.9	2.9	518.5	5906675101927
	R-WBT-61220				220	100	100	16800	3.2	3.2	568.4	5906675102214
	R-WBT-61240				240	100	100	16800	3.5	3.5	620.7	5906675102245

Product commercial data

Size	Product Code	Fixing	Hole diameter [mm]	Thickness [mm]	Screw	Quantity [pcs]			Weight [kg]			Bar Codes
		Plate diameter [mm]			Length [mm]	Box	Outer	Pallet	Box	Outer	Pallet	
Ø6.1	R-WBT-61260				260	100	100	16800	3.8	3.8	661.7	5906675102269
	R-WBT-61300				300	100	100	9100	4.3	4.3	423.2	5906675102290