

Toggle anchor UK/UKH

Flexible cavity anchor for strong hold in panel building materials.

Long Description

The Upat toggle anchor UK with thread and UKH with hook is particularly suitable for fastening light to medium loads in installation and cavity walls. The anchor is inserted into the drilled hole, causing the toggle element to flip in the cavity and securely position itself on the panel material. The Upat Toggle Anchor UK/UKH is commonly used for mounting speakers, towel holders or mirrored cabinets.

Characteristics

- Building material: Plate construction
- Load range: Tensile load, shear load, and oblique load 0.07-4.3 kN
- Material: Zin plated steel (zp)
- Variant: External thread (UK), hook (UKH)
- Feature: Thread M3-M10

Applications

- Speakers
- Towel holders
- Mirror cabinet
- Metal brackets

Advantages

- High load capacity: The wide tilting element allows for high load-bearing capacities in panel materials or cavities
- Flexible fixing: The long thread of the toggle anchor provides flexibility in panel thickness and attachment thickness
- Easy installation: The toggle anchor is suitable for pre-positioned installation and does not require special installation tools
- External thread (UK): For precise adjustment of clamping thickness
- Hook (UKH): For fixing suspensions and hangers

Materials

- Gypsum plasterboard and gypsum fiberboard
- Hollow decks made of brick and concrete
- Particle boards
- Plywood



Straight to the product

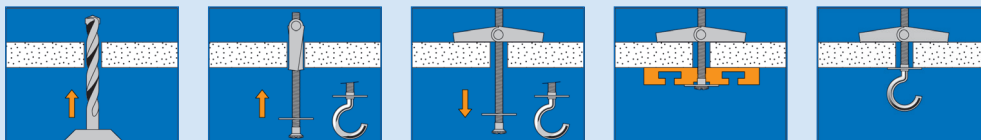


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Application examples



Assembly



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Product variants

Product	Art.No.	Drill diameter	Anchor length	Thread	Max. panel thickness	Min. cavity depth	Sales unit
UK M3	542776	12	95	M3 x 90	65	27	50
UK M4	542777	14	105	M4 x 100	69	34	25
UK M5	542778	16	100	M5 x 100	63	70	25
UK M6	542779	16	100	M6 x 100	63	70	25
UK M8	542780	20	100	M8	55	75	20
UK M10	542781	30	180	M10	90	140	25
UKH M3	542782*	12	105	M3 x 80	51	27	25
UKH M4	542783*	16	130	M4 x 70	60	70	25
UKH M5	542784*	14	95	M5 x 90	35	34	20

External thread (UK): For precise adjustment of clamping thickness

Hook (UKH): For fixing suspensions and hangers

* Note: Available upon request. Not part of the standard product range.

Load table

Highest recommended loads¹⁾²⁾ of a single plug.

Type	Thread size	Recommended loads in the respective base material ²⁾	Gypsum plasterboard ³⁾	OSB board ³⁾	Mean ultimate loads
			12,5 mm	≥15 mm	
		F _{rec} ¹⁾	F _{rec} ¹⁾	F _{rec} ¹⁾	F _u ⁴⁾⁵⁾⁶⁾
	[M]	[kN]	[kN]	[kN]	[kN]
UK 3	M4	0.45	0.15	0.34	-
UK 4	M4	0.9	0.15	0.6	-
UK 5	M5	2.2	0.15	0.85	-
UK 6	M6	2.8	0.15	0.85	-
UK 8	M8	4.3	0.18	0.89	-
UK 10	M10	-	-	-	13
UKH 3	M3	0.1	0.1	0.1	-
UKH 4	M4	0.13	0.13	0.13	-
UKH 5	M5	0.3	0.15	0.3	-

¹⁾ Valid for axial tensile load.

²⁾ Required safety factors are considered.

³⁾ Bending of the hook is decisive. Only for tension load.

⁴⁾ Upon these failure loads an appropriate safety factor has to be considered.

⁵⁾ Valid for tensile load, shear load and oblique load under any angle.

⁶⁾ If the failure of the base material is not possible.