

TAP Slaganker

Slaganker med indvendigt metrisk gevind M6 – M16 til medium laster til forankring i urevnet beton C20/25 – C50/60 samt til anvendelse af flere ankere (multiple use) i ikke-bærende konstruktioner i beton.

Egenskaber

Materiale

- Stål
- Hvid zinkbelagt

Fordele

- Sikker og kontrolleret ekspansion
- Hurtig installation
- Lav sættedybde
- Udgave med krave for installation glat med overflade
- Høj styrke i relation till af indbygningsdybde
- Brandmodstandsevne R120

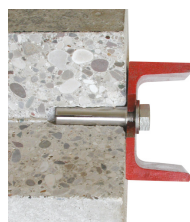
Anvendelse

Anvendelsesområder

- Nedhængte lofter
- Rørsystemer
- Sprinklersystemer

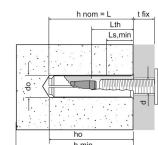
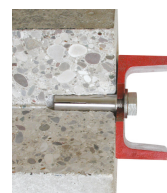
Egnet til

- Anvendelse af flere ankere (multiple use) i ikke-bærende konstruktioner i revnet og urevnet beton
- Sten
- Bærende konstruktioner i urevnet beton



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Tehnisk data



Product Dimension - Rimmed hammer set anchor

Art. nr.	Bezeichnung	Plug [Ø x L]	Größe [dxL] [mm]	Hole diameter [d ₀] [mm]	Cylindrical hole depth [h ₀] [mm]	Nominal embedment depth [h _{nom}] [mm]	Threaded length [L _{th}] [mm]	Max. thread engagement [L _{s,min}] [mm]	Torque [T _{inst}] [Nm]	Qty per box	Qty per outer box
75205B0600000	TAP	8x25*	M6x25	8	25	25	11	6	4	100	2000
75205B0800000		10x30	M8x30	10	30	30	13	8	8	100	1000
75205B1003000		12x30*	M10x30	12	30	30	12	10	15	100	600
75205B1000000		12x40	M10x40	12	40	40	17	10	15	100	600
75205B1200000		15x50	M12x50	15	50	50	21	12	35	50	300
75205B1600000		20x65**	M16x65	20	65	65	30	16	60	25	150

* Only ETA 18/0433 ETAG 001 p.6 Multiple use

** Only ETA 18/0432 EAD-330232-00-0601 opt.7

Screw Length: Minimum: $L_{s,min} + t_{fix}$ - Maximum: $L_{th} + t_{fix}$

Product Dimension - Hammer set anchor

Art. nr.	Bezeichnung	Plug [Ø x L]	Thread	Qty per box	Qty per outer box
75200B0600000	TAP	8x25	M6	100	2000
75200B0800000	TAP	10x30	M8	100	1000
75200B1000000	TAP	12x40	M10	100	600
75200B1200000	TAP	15x50	M12	50	300
75200B1600000	TAP	20x65	M16	25	150

Not covered by CE certification



Product Dimension - TAP Setting Tool

Art. nr.	Bezeichnung	Setting tool for	Qty per box
49902B0600000C	TAP Setting Tool	M6	1
49902B0800000C	TAP Setting Tool	M8	1
49902B1000000C	TAP Setting Tool	M10	1
49902B1200000C	TAP Setting Tool	M12	1
49902B1600000C	TAP Setting Tool	M16	1

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tool



Art. nr.	Bezeichnung	D _s [mm]	H _s [mm]	Qty per box
75205B0600000	TAP	-	-	100
75205B0800000	TAP	-	-	100
75205B1003000	TAP	-	-	100
75205B1000000	TAP	-	-	100
75205B1200000	TAP	-	-	50
75205B1600000	TAP	-	-	25
49902B060000C	TAP Setting Tool	-	-	1
49902B080000C	TAP Setting Tool	-	-	1
49902B100000C	TAP Setting Tool	-	-	1
49902B120000C	TAP Setting Tool	-	-	1
49902B160000C	TAP Setting Tool	-	-	1

Recommended loads / for single anchors / with no edge distances or spacings

Art. nr.	Design capacity								Bending moment - M _{Rd} [Nm]
	Tension - N _{rec}				Shear - V _{rec}				
	Non-cracked concrete C20/25 [kN]	Hollow concrete block [kN]	Hollow brick [kN]	Solid brick (BP400) [kN]	Non-cracked concrete C20/25 [kN]	Hollow concrete block [kN]	Hollow brick [kN]	Solid brick (BP400) [kN]	
75205B0600000	-	-	-	-	-	-	-	-	-
75205B0800000	-	-	-	-	-	-	-	-	8.98
75205B1003000	-	-	-	-	-	-	-	-	17.9
75205B1000000	-	-	-	-	-	-	-	-	17.9
75205B1200000	-	-	-	-	-	-	-	-	31.37
75205B1600000	-	-	-	-	-	-	-	-	79.82
49902B060000C	-	-	-	-	-	-	-	-	-
49902B080000C	-	-	-	-	-	-	-	-	-
49902B100000C	-	-	-	-	-	-	-	-	-
49902B120000C	-	-	-	-	-	-	-	-	-
49902B160000C	-	-	-	-	-	-	-	-	-

1. The recommended loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s) and with a partial safety factor for actions of $\gamma_F=1.4$. The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing $s \geq 15$ cm (any diameter) or with a rebar spacing $s \geq 10$ cm, if the rebar diameter is 10 mm or smaller.

2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges ($c \leq \max [10 \text{ hef}; 60d]$) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.

3. Concrete is considered non-cracked when the tensile stress within the concrete is $\sigma_L + \sigma_R \leq 0$. In the absence of detailed verification $\sigma_R = 3 \text{ N/mm}^2$ can be assumed (σ_L equals the tensile stress within the concrete induced by external loads, anchors loads included).

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Design capacities - single anchor - no edge distances - ETA-18/0432

Art. nr.	Recommended loads - Non-cracked concrete (3)									
	Größe [dxL] [mm]	Tension - $N_{rec}^{(1)}$				Shear - $V_{rec}^{(1-2)}$				Bending moment M_{rec} [Nm]
		C20/25 [kN]	C30/37 [kN]	C40/50 [kN]	C50/60 [kN]	C20/25 [kN]	C30/37 [kN]	C40/50 [kN]	C50/60 [kN]	
75205B0600000	M6x25	-	-	-	-	-	-	-	-	-
75205B0800000	M8x30	3.3	4	4.7	5.1	4	4.9	5.6	6.2	8.98
75205B1003000	M10x30	-	-	-	-	-	-	-	-	-
75205B1000000	M10x40	5.1	6.2	7.2	7.9	6.1	7.4	8.6	9.5	17.9
75205B1200000	M12x50	6.1	7.4	8.6	9.5	8.5	10.4	12	13.2	17.9
75205B1600000	M16x65	9.9	12.1	14	15.3	25.2	30.7	35.6	35.9	31.37
49902B060000C	-	-	-	-	-	-	-	-	-	-
49902B080000C	-	-	-	-	-	-	-	-	-	-
49902B100000C	-	-	-	-	-	-	-	-	-	-
49902B120000C	-	-	-	-	-	-	-	-	-	-
49902B160000C	-	-	-	-	-	-	-	-	-	-

1. The design loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing $s \geq 15$ cm (any diameter) or with a rebar spacing $s \geq 10$ cm, if the rebar diameter is 10mm or smaller.

2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges ($c \leq \max [10 \text{ hef}; 60d]$) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.

3. Concrete is considered non-cracked when the tensile stress within the concrete is $\sigma_L + \sigma_R \leq 0$. In the absence of detailed verification $\sigma_R = 3 \text{ N/mm}^2$ can be assumed (σ_L equals the tensile stress within the concrete induced by external loads, anchors loads included).

*Not covered by ETA-18/0432

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Recommended capacities - single anchor - no edge distances

Art. nr.	Design capacity								Bending moment - M _{Rd} [Nm]
	Tension - N _{rec}				Shear - V _{rec}				
	Non-cracked concrete C20/25 [kN]	Hollow concrete block [kN]	Hollow brick [kN]	Solid brick (BP400) [kN]	Non-cracked concrete C20/25 [kN]	Hollow concrete block [kN]	Hollow brick [kN]	Solid brick (BP400) [kN]	
75205B0600000	-	-	-	-	-	-	-	-	-
75205B0800000	-	-	-	-	-	-	-	-	8.98
75205B1003000	-	-	-	-	-	-	-	-	17.9
75205B1000000	-	-	-	-	-	-	-	-	17.9
75205B1200000	-	-	-	-	-	-	-	-	31.37
75205B1600000	-	-	-	-	-	-	-	-	79.82
49902B060000C	-	-	-	-	-	-	-	-	-
49902B080000C	-	-	-	-	-	-	-	-	-
49902B100000C	-	-	-	-	-	-	-	-	-
49902B120000C	-	-	-	-	-	-	-	-	-
49902B160000C	-	-	-	-	-	-	-	-	-

1. The recommended loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s) and with a partial safety factor for actions of $\gamma_F=1.4$. The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing $s \geq 15$ cm (any diameter) or with a rebar spacing $s \geq 10$ cm, if the rebar diameter is 10 mm or smaller.
2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges ($c \leq \max [10 \text{ hef}; 60d]$) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.
3. Concrete is considered non-cracked when the tensile stress within the concrete is $\sigma_L + \sigma_R \leq 0$. In the absence of detailed verification $\sigma_R = 3 \text{ N/mm}^2$ can be assumed (σ_L equals the tensile stress within the concrete induced by external loads, anchors loads included).

Recommended capacities - multiple use cracked and un-cracked concrete ETA-18/0433

Art. nr.	Bezeichnung	Größe [dxL] [mm]	cracked and uncracked concrete
			tension / shear load R_{rec} [kN]
75205B0600000	TAP	M6x25	0.5
75205B0800000	TAP	M8x30	0.7
75205B1003000	TAP	M10x30	-
75205B1000000	TAP	M10x40	1
75205B1200000	TAP	M12x50	1.4
75205B1600000	TAP	M16x65	-
49902B060000C	TAP Setting Tool	-	-
49902B080000C	TAP Setting Tool	-	-
49902B100000C	TAP Setting Tool	-	-
49902B120000C	TAP Setting Tool	-	-
49902B160000C	TAP Setting Tool	-	-

The design loads F_{RD} derive from the characteristic loads on the ETA certification and are inclusive of the partial safety factors γ_M

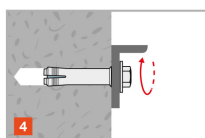
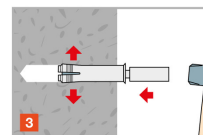
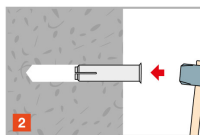
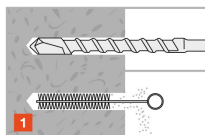
The recommended loads F derive from the characteristic loads on the ETA certification and are inclusive of the partial safety factors $\gamma_F=1.4$ and γ_M

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Installation data

Art. nr.	Bezeichnung	Größe [dxL] [mm]	Ø drilling hole [d0] [mm]	Min. drill depth [h1] [mm]	Ø drilling fixture [df] [mm]	Wrench size [SW] [mm]	Installation torque [Tinst] [Nm]	Embedment depth [hef] [mm]	Min. support thickness [hmin] [mm]
75205B0600000	TAP	M6x25	8	25	7	-	4	25	-
75205B0800000	TAP	M8x30	10	30	9	-	8	30	100
75205B1003000	TAP	M10x30	12	40	12	-	15	40	100
75205B1000000	TAP	M10x40	12	40	12	-	15	40	100
75205B1200000	TAP	M12x50	15	50	14	-	35	50	100
75205B1600000	TAP	M16x65	20	65	18	-	60	65	130
49902B060000C	TAP Setting Tool	-	-	-	-	-	-	-	-
49902B080000C	TAP Setting Tool	-	-	-	-	-	-	-	-
49902B100000C	TAP Setting Tool	-	-	-	-	-	-	-	-
49902B120000C	TAP Setting Tool	-	-	-	-	-	-	-	-
49902B160000C	TAP Setting Tool	-	-	-	-	-	-	-	-

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Spacing and edge distances - ETA-18/0432

Art. nr.	Bezeichnung	Größe [dxL] [mm]	Min. edge distance [cmin] [mm]	Min. spacing [smin] [mm]	Characteristic edge distance [ccr,N] [mm]	Characteristic spacing(5) - Scr,N [scr,N] [mm]
75205B0600000	TAP	M6x25	-	-	-	-
75205B0800000	TAP	M8x30	41	41	45	90
75205B1003000	TAP	M10x30	54	54	60	120
75205B1000000	TAP	M10x40	54	54	60	120
75205B1200000	TAP	M12x50	68	68	75	150
75205B1600000	TAP	M16x65	88	88	97	195
49902B060000C	TAP Setting Tool	-	-	-	-	-
49902B080000C	TAP Setting Tool	-	-	-	-	-
49902B100000C	TAP Setting Tool	-	-	-	-	-
49902B120000C	TAP Setting Tool	-	-	-	-	-
49902B160000C	TAP Setting Tool	-	-	-	-	-

* Not included in the approval

Achs- und Randabstände - ETA-18/0433

Art. nr.	Bezeichnung	Größe [dxL] [mm]	eff. Verankerungstiefe h_{ef} [mm]	Mindestbauteildicke h_{min} [mm]	Randabstand [cmin] [mm]	Achsabstand [smin] [mm]
75205B0600000	TAP	M6x25	25	80	200	150
75205B0800000	TAP	M8x30	30	80	200	150
75205B1003000	TAP	M10x30	-	-	-	-
75205B1000000	TAP	M10x40	40	80	200	150
75205B1200000	TAP	M12x50	50	100	200	150
75205B1600000	TAP	M16x65	-	-	-	-
49902B060000C	TAP Setting Tool	-	-	-	-	-
49902B080000C	TAP Setting Tool	-	-	-	-	-
49902B100000C	TAP Setting Tool	-	-	-	-	-
49902B120000C	TAP Setting Tool	-	-	-	-	-
49902B160000C	TAP Setting Tool	-	-	-	-	-

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