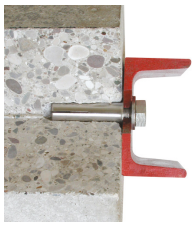
Tekniskt datablad

TAP
Slagankare

Slagankare med invändig metrisk gänga M6-M16, används till förankring i osprucken betong C20/25 - C50/60. TAP slaganakre kan även användas för icke-bärande ändamål och är godkänd för flera användningsområden (multiple use).



Egenskaper

Material

- Stål
- Elförzinkad

Fördelar

- Säker och kontrollerad expansion
- Snabbt montage
- Lågt sättdjup
- Krage för montage i nivå med ytan
- Hög lastkapacitet i förhållande till installationsdjupet
- Brandmotstånd R120

Användning

Användningsområden

- Tillämpningar för undertak
- Rörledningar
- Sprinklersystem

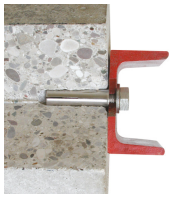
Lämplig för

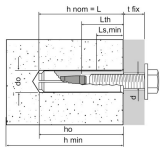
- Multipel användning för icke-bärande konstruktioner i sprucken samt osprucken betong.
- Sten
- Bärande konstruktioner i osprucken betong

Tekniskt datablad

TAP
Slagankare

Teknisk data





Produktdimension – Hammarsatsankare med kant

Art. nr.	Produktreferens	Plug [Ø x L]	Dimensions [dxL] [mm]	Hålets diameter [d_0] [mm]	Cylindriskt håldjup [h_0] [mm]	Nominellt infästningsdjup [h_{nom}] [mm]	Gängad längd [L_{th}] [mm]	Max. gängingrepp [$L_{s,min}$] [mm]	Vridmoment [Nm]
75205B0600000	TAP	8x25*	M6x25	8	25	25	11	6	4
75205B0800000		10x30	M8x30	10	30	30	13	8	8
75205B1003000		12x30*	M10x30	12	30	30	12	10	15
75205B1000000		12x40	M10x40	12	40	40	17	10	15
75205B1200000		15x50	M12x50	15	50	50	21	12	35
75205B1600000		20x65**	M16x65	20	65	65	30	16	60

** 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: $L_{th} + t_{fix}$

Produktdimension – Hammarankare

Art. nr.	Produktreferens	Plug [Ø x L]	Thread	Qty per box	Antal per ytterförpackning
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

Produktdimension – TAP-inställningsverktyg

Art. nr.	Produktreferens	Inställningsverktyg för	Qty per box
49902B080000C	TAP Setting Tool	M8	1
49902B100000C	TAP Setting Tool	M10	1
49902B120000C	TAP Setting Tool	M12	1
49902B160000C	TAP Setting Tool	M16	1

Tekniskt datablad

TAP
Slagankare

verktyg

Art. nr.	Produktreferens	Qty per box
75205B0600000	TAP	100
75205B0800000	TAP	100
75205B1003000	TAP	100
75205B1000000	TAP	100
75205B1200000	TAP	50
75205B1600000	TAP	25
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.	Konstruktionskapacitet								
	Spänning - N_{rec}				Skärkraft - V_{rec}				Böjmoment - M_{Rd} [Nm]
	Icke-sprickbildad betong C20/25 [kN]	Hålbetongblock [kN]	Hollow brick [kN]	Massiv tegelsten (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
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 γF=1.4. The loading figures
are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 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 ≤ max [10 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\sigmaL +\sigmaR ≤ 0. In the absence of detailed verification\sigmaR = 3 N/mm² can be assumed (\sigmaL equals the tensile stress within the concrete induced by external loads, anchors loads included).

Tekniskt datablad

TAP
Slagankare

Dimensioneringskapacitet – enkel förankring – inga kantavstånd – ETA-18/0432

Art. nr.	Rekommenderade belastningar - Ospreckad betong (3)									
	Dimensions [dxL] [mm]	Spänning - N_{rec} (1)				Skärning - V_{rec} (1-2)				Böjmoment 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
49902B0800000C	-	-	-	-	-	-	-	-	-	-
49902B1000000C	-	-	-	-	-	-	-	-	-	-
49902B1200000C	-	-	-	-	-	-	-	-	-	-
49902B1600000C	-	-	-	-	-	-	-	-	-	-

1. The design loads 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 ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 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 ≤ max [10 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\sigmaL +\sigmaR ≤ 0. In the absence of detailed verification\sigmaR = 3 N/mm² can be assumed (\sigmaL equals the tensile stress within the concrete induced by external loads, anchors loads included).
*Not covered by ETA-18/0432

Tekniskt datablad

TAP
Slagankare

Rekommenderade kapaciteter – enkel förankring – inga kantavstånd

Art. nr.	Konstruktionskapacitet								
	Spänning - N_{rec}				Skärkraft - V_{rec}				Böjmoment - M_{Rd} [Nm]
	Icke-sprickbildad betong C20/25 [kN]	Hålbetongblock [kN]	Hollow brick [kN]	Massiv tegelsten (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
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 γF=1.4. The loading figures
are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 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 ≤ max [10 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\sigmaL +\sigmaR ≤ 0. In the absence of detailed verification\sigmaR = 3 N/mm² can be assumed (\sigmaL equals the tensile stress within the concrete induced by external loads, anchors loads included).

Rekommenderade kapaciteter – flergångsbruk sprickbildad och osprickbildad betong ETA-18/0433

Art. nr.	Produktreferens	Dimensions [dxL] [mm]	sprickbildad och osprickbildad betong
			spänning/skjuvbelastning 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	-
49902B080000C	TAP Setting Tool	-	-
49902B100000C	TAP Setting Tool	-	-
49902B120000C	TAP Setting Tool	-	-
49902B160000C	TAP Setting Tool	-	-

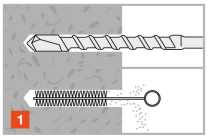
The design loads F_{RD} derive from the characteristic loads on the ETA certification and are inclusive of the partial safety factors γ_M
The recommended loads F derive from the characteristic loads on the ETA certification and are inclusive of the partial safety factors γ_F=1.4 and γ_M

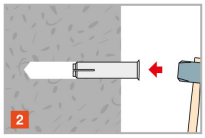
Tekniskt datablad

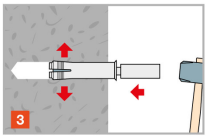
TAP
Slagankare

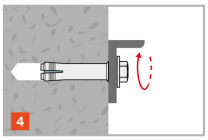
TAP
Slagankare

Montering









Installation data

Art. nr.	Produktreferens	Dimensions [dxL] [mm]	Ø borrhål [d0] [mm]	Min. borrdjup [h1] [mm]	Ø borrfixtur [df] [mm]	Wrench size [SW] [mm]	Installation torque [Tinst] [Nm]	Embedment depth [hef] [mm]	Min. stödtjocklek [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
49902B0800000C	TAP Setting Tool	-	-	-	-	-	-	-	-
49902B1000000C	TAP Setting Tool	-	-	-	-	-	-	-	-
49902B1200000C	TAP Setting Tool	-	-	-	-	-	-	-	-
49902B1600000C	TAP Setting Tool	-	-	-	-	-	-	-	-

Tekniskt datablad

TAP
Slagankare

Avstånd och kantavstånd – ETA-18/0432

Art. nr.	Produktreferens	Dimensions [dxL] [mm]	Min. edge distance [cmin] [mm]	Min. spacing [smin] [mm]	Characteristic edge distance [ccr,N] [mm]	Karakteristiskt avstånd (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
49902B080000C	TAP Setting Tool	-	-	-	-	-
49902B100000C	TAP Setting Tool	-	-	-	-	-
49902B120000C	TAP Setting Tool	-	-	-	-	-
49902B160000C	TAP Setting Tool	-	-	-	-	-

** Not included in the approval*

Avstånd och kantavstånd ETA-18-0433

Art. nr.	Produktreferens	Dimensions [dxL] [mm]	Inbäddningsdjup h_{ef} [mm]	Min. stödtjocklek h_{min} [mm]	Min. edge distance [cmin] [mm]	Min. spacing [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	-	-	-	-
49902B080000C	TAP Setting Tool	-	-	-	-	-
49902B100000C	TAP Setting Tool	-	-	-	-	-
49902B120000C	TAP Setting Tool	-	-	-	-	-
49902B160000C	TAP Setting Tool	-	-	-	-	-

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