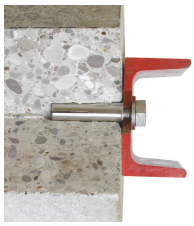
Tekniset tiedot

TAP
Reunallinen vasara-ankkuri

Hammerset anchor with metric internal thread M6 - M16 for medium load range for anchoring in non-cracked concrete C20/25 - C50/60 and for multiple fixings of non-load bearing systems in concrete.



Ominaisuudet

Material

- Teräs
- Valkoinen sinkitty

Benefits

- Turvallinen ja hallittu laajeneminen
- Nopea asennus
- Pieni upotussyvyys
- Reunustettu tulppaversio helpottaa asennusta tasaisesti alustaan
- Suuri lujuus upotussyvyyteen nähden
- Paloluokitus R120

Sovellus

Applications

- Alakattosovellukset
- Putkistot
- Sprinklerijärjestelmät

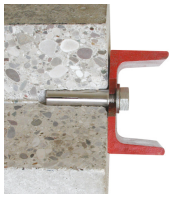
Suitable for

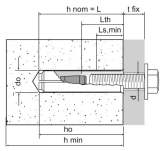
- Monikäyttöinen ei-rakenteellisiin
- halkeillut
- ja halkeilemattomassa betonissa
- Kiinteä kivi

Tekniset tiedot

TAP
Reunallinen vasara-ankkuri

Technical Data





Tuotteen mitat - Reunallinen vasarakiinnike

Tuotenro	Tuotenumero	Tappi [Ø x L]	Dimensions [dxL] [mm]	Reiän halkaisija [d_0] [mm]	Sylinterimäisen reiän syvyys [h_0] [mm]	Nimellinen upotussyvyys [h_{nom}] [mm]	Kierteinen pituus [L_{th}] [mm]	Suurin kierrekiinnitys [$L_{s,min}$] [mm]	Vääntömome [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: $L_{th} + t_{fix}$

Tuotteen mitat - Vasarakiinnike

Tuotenro	Tuotenumero	Tappi [Ø x L]	Kierre	Qty per box	Määrä per ulkolaatikko
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

Tuotteen mitat - TAP-asennustyökalu

Tuotenro	Tuotenumero	Asennustyökalu	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

Tekniset tiedot

TAP
Reunallinen vasara-ankkuri

työkalu

Tuotenro	Tuotenumero	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
49902B080000C	TAP Setting Tool	-	-	1
49902B100000C	TAP Setting Tool	-	-	1
49902B120000C	TAP Setting Tool	-	-	1
49902B160000C	TAP Setting Tool	-	-	1

Suositellut kuormitukset / yksittäisille ankkureille / ilman reunavälejä tai etäisyyksiä

Tuotenro	Suunnittelukapasiteetti								
	Jännitys - N_{rec}				Leikkaus - V_{rec}				Taivutusmomentti - M_{Rd} [Nm]
	Halkeilematon betoni C20/25 [kN]	Ontto betonitiili [kN]	Ontto tiili [kN]	Kiinteä tiili (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).

Tekniset tiedot

TAP
Reunallinen vasara-ankkuri

Suunnittelukapasiteetit – yksi ankkuri – ei reunavälejä – ETA-18/0432

Tuotenro	Suositellut kuormitukset - Halkeilematon betoni (3)									
	Dimensions [dxL] [mm]	Jännitys - N_{rec} (1)				Leikkaus - V_{rec} (1-2)				Taivutusmomentti 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
49902B080000C	-	-	-	-	-	-	-	-	-	-
49902B100000C	-	-	-	-	-	-	-	-	-	-
49902B120000C	-	-	-	-	-	-	-	-	-	-
49902B160000C	-	-	-	-	-	-	-	-	-	-

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

Tekniset tiedot

TAP
Reunallinen vasara-ankkuri

Suositellut kapasiteetit – yksi ankkuri – ei reunavälejä

Tuotenro	Suunnittelukapasiteetti								
	Jännitys - N_{rec}				Leikkaus - V_{rec}				Taivutusmomentti - M_{Rd} [Nm]
	Halkeilematon betoni C20/25 [kN]	Ontto betonitiili [kN]	Ontto tiili [kN]	Kiinteä tiili (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).

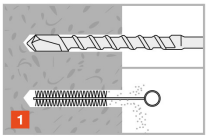
Suositellut kapasiteetit – monikäyttöinen halkeillut ja halkeilematon betoni ETA-18/0433

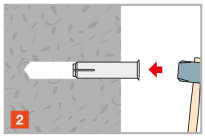
Tuotenro	Tuotenumero	Dimensions [dxL] [mm]	halkeillut ja halkeilemattomat betonit
			jännitys / leikkauskuormitus R_{rec} [kN]
75205B0600000	TAP	M6x25	0.5
75205B0800000	TAP	M8x30	0.7
75205B1003000	TAP	M10x30	-
75205B1000000	TAP	M10x40	1
75205B1200000	TAP	M12x50	1.4
75205B1600000	TAP	M16x65	-
49902B080000C	TAP Setting Tool	-	-
49902B100000C	TAP Setting Tool	-	-
49902B120000C	TAP Setting Tool	-	-
49902B160000C	TAP Setting Tool	-	-

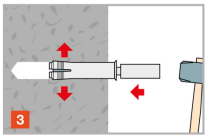
The design loads F_{RD} derive from the characteristic loads on the ETA certification and are inclusive of the partial safety factors γ_M
The recommended loads F derive from the characteristic loads on the ETA certification and are inclusive of the partial safety factors γ_F=1.4 and γ_M

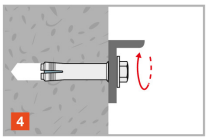
TAP
Reunallinen vasara-ankkuri

Asennus









Installation data

Tuotenro	Tuotenumero	Dimensions [dxL] [mm]	Ø porausreikä [d0] [mm]	Min. poraussyvyys [h1] [mm]	Ø porauskiinnike [df] [mm]	Ruuvimeisselin koko [SW] [mm]	Asennusmomentti [Tinst] [Nm]	Embedment depth [hef] [mm]	Min. tukipaksuus [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	-	-	-	-	-	-	-	-

Tekniset tiedot

TAP
Reunallinen vasara-ankkuri

Välimatkat ja reunamatkat – ETA-18/0432

Tuotenro	Tuotenumero	Dimensions [dxL] [mm]	Min. reunaväli [cmin] [mm]	Min. spacing [smin] [mm]	Ominainen reunaväli [ccr,N] [mm]	Ominaisväli (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*

Välimatkat ja reunamatkat ETA-18-0433

Tuotenro	Tuotenumero	Dimensions [dxL] [mm]	Upotussyvyys h_{ef} [mm]	Min. tukipaksuus 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	-	-	-	-	-

Simpson Strong-Tie / Gbo Fastening Systems AB
Bruksvägen 2, 593 75 Gunnebo
tel: 0490-300 00
fax : 0490-233 00