Technical Sheet

X3
Høystyrke Plugg med skrue

X3 plugg i Ø8 og Ø10 mm med senkhode kan benyttes til montering i betong, mur og lettbetong.







Features

Materiale

Plugg: nylon
Skrue: hvitforniklet stål

Fordeler

- God kapasitet i de fleste materialer
- Opp til tre forankringsdybder
- Mange bruksområder
- Rask montasje
- Langt ekspansjonsområde

Applications

Bruksområde

- Ventilerte fasader
- Stålkonstruksjoner
- Trebearbeiding

Egnet for

- Mustein og hulstein
- Lettbetong
- Stein

Technical Sheet

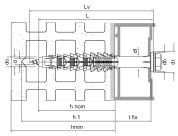
X3
Høystyrke Plugg med skrue

Teknisk data

Produktdimensjon – Senket PZ-skrue

Referanse	Nylon fixings dimensjoner										
	Info produkt									DB nr.	NOB nr.
	produktreferanse	Plugg[mm]	skrue[mm]	Reduced fixture tykkelse [$tfix$][mm]	Standard fixture tykkelse [$tfix$][mm]	Max fixture tykkelse[mm]	Bit	antall per eske[pcs]	antall per outer eske[mm]		

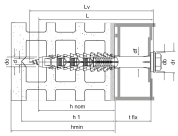
(1) Only for aerated concrete
** Not covered by CE certification*



Produktdimensjon – Senket TX-skrue

Referanse	Nylon fixings dimensjoner									Nylon fixings monteringsdata
	Info produkt									monteringsdata
	produktreferanse	Plugg[mm]	skrue[mm]	Reduced fixture tykkelse [$tfix$][mm]	Standard fixture tykkelse [$tfix$] [mm]	Max fixture tykkelse[mm]	Bit	antall per eske[pcs]	antall per outer eske[mm]	Ø drilling fixture[mm]
64602B0808000	X3	8x80	6x88	40	30	-	T30	50.0	500.0	8.5
64602B0810000	X3	8x100	6x108	60	50	-	T30	50.0	500.0	8.5
64602B0812000	X3	8x120	6x128	80	70	-	T30	50.0	500.0	8.5

(1) Only for aerated concrete
NOTE: The thickness of the plaster must be included in the fixing thickness t_{fix}



Produktdimensjon – Spesiell sekskantskrue

Referanse	Nylon fixings dimensjoner											Nylon fixings monteringsdata
	Info produkt											monteringsdata
	produktreferanse	Plugg[mm]	skrue[mm]	Reduced fixture tykkelse [$tfix$] [mm]	Standard fixture tykkelse [$tfix$] [mm]	Max fixture tykkelse[mm]	Bit	Wrench size[mm]	Innebygd skive	antall per eske[pcs]	antall per outer eske[mm]	Ø drilling fixture[mm]

(1) Only for aerated concrete
NOTE: The thickness of the plaster must be included in the fixing thickness tfix

Technical Sheet

X3

Høystyrke Plugg med skrue



Produktdimensjon – Stor kant Ø18 plugg med sekskantskrue

Referanse	Nylon fixings dimensjoner										
	Info produkt										
	produktreferanse	Plugg[mm]	skrue[mm]	Reduced fixture tykkelse [tf_{ix}] [mm]	Standard fixture tykkelse [tf_{ix}] [mm]	Max fixture tykkelse[mm]	Bit	Wrench size[mm]	Innebygd skive	antall per eske[pcs]	antall per outer eske[mm]

(1) Only for aerated concrete
** Not covered by CE certification*
*** Plug only*
▲ Quantity and delivery terms to be agreed
NOTE: The thickness of the plaster must be included in the fixing thickness t_{fix}

Produktdimensjon – Gjør-det-selv – Senket PZ-skrue

Referanse	Nylon fixings dimensjoner								
	Info produkt								
	produktreferanse	Plugg[mm]	skrue[mm]	Reduced fixture tykkelse [tf_{ix}][mm]	Standard fixture tykkelse [tf_{ix}][mm]	Max fixture tykkelse[mm]	Bit	Pcs/blister	Blister/Pkg.
64601B08080F2	X3	8x80	6x88	40	30	-	PZ3	4.0	20
64601B08100F2	X3	8x100	6x108	60	50	-	PZ3	4.0	20
64601B08120F2	X3	8x120	6x128	80	70	-	PZ3	4.0	20

(1) Only for aerated concrete
** Not covered by CE certification*

Technical Sheet

X3
Høystyrke Plugg med skrue

Design capacities - single anchor - no edge distances

Referanse	Nylon fixings Loads								
	Design capacities - single anker - no kant distances								
	dimensjonerende kapasitet								
		strekk - NRd (1)[kN]				skjær - VRd (1-2)[kN]			
	Bøyemoment - MRd[Nm]	urisset betong C12/15[kN]	urisset betong C16/20[kN]	autoklavert porebetong AAC[kN]	massiv tegl[kN]	urisset betong C12/15[kN]	urisset betong C16/20[kN]	autoklavert porebetong AAC[kN]	massiv tegl[kN]
64602B0808000	11.3	0.65	0.83	-	1.4	-	-	-	-
64602B0810000	11.3	0.65	0.83	-	1.4	-	-	-	-
64602B0812000	11.3	0.65	0.83	-	1.4	-	-	-	-

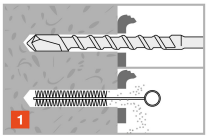
1. The design loads loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 10 cm, if the rebar diameter 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-11/0080

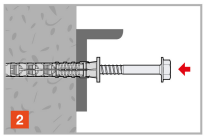
Anbefalte kapasiteter – enkeltanker – ingen kantavstander

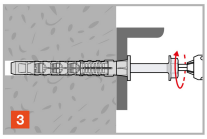
Referanse	Nylon fixings Loads								
	Design capacities - single anker - no kant distances								
	dimensjonerende kapasitet								
		strekk - NRd (1)[kN]				skjær - VRd (1-2)[kN]			
	Bøyemoment - MRd[Nm]	urisset betong C12/15[kN]	urisset betong C16/20[kN]	autoklavert porebetong AAC[kN]	massiv tegl[kN]	urisset betong C12/15[kN]	urisset betong C16/20[kN]	autoklavert porebetong AAC[kN]	massiv tegl[kN]
64602B0808000	11.3	0.65	0.83	-	1.4	-	-	-	-
64602B0810000	11.3	0.65	0.83	-	1.4	-	-	-	-
64602B0812000	11.3	0.65	0.83	-	1.4	-	-	-	-

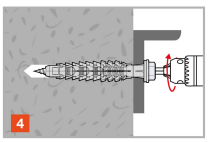
1. The recommended loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s) and with a partial safety factor for actions of γF=1.4. The loading figures
are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) 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).

Montering









Spacings and edge distances

Referanse	Nylon fixings dimensjoner	Nyl
	Info produkt	Spa
	prod	t betong C12/15
		N] karakteristisk kantavstand[mm]
64602B0808000		85
64602B0810000		85
64602B0812000		85

Spacings and edge distances
See full table online ➡️

Installation data

Referanse	Nylon fixings monteringsdata		
	monteringsdata		
	Ø drilling hull[mm]	Min. drill dybde[mm]	Ø drilling fixture[mm]
64602B0808000	8	55	8.5
64602B0810000	8	55	8.5
64602B0812000	8	55	8.5

Simpson Strong-Tie c/o Christiania Spigerverk
Smalvollveien 58, 0667 Oslo
22021300
kundeservice@spigerverket.no

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