

X3

Hoogwaardige lange nylonplug

Met de lange nylonplug X3 kunnen dunne of dikke elementen, met 3 mogelijke verankeringsdieptes per lengte, op elk type volle of holle ondergrond worden bevestigd. De plug heeft een gelijkmatige uitzetting in alle richtingen en levert daarom uitstekende prestaties. De plug wordt geleverd met een schroef met zeskantkop of verzonken kop.

Features

Materiaal

- Plug : nylon,
- Schroeven : elektrolytisch verzinkt staal.

Voordelen

- Hoge sterkte op alle soorten ondergrondmateriaal,
- 3 mogelijke verankeringsdieptes per pluglengte,
- Hoge flexibiliteit, korte installatietijd: de plug kan door het te bevestigen element heen worden geïnstalleerd. Bij installatie met een gereduceerde verankeringsdiepte wordt ook de boortijd verkort,
- Verhoogde uitzetting,
- Ontworpen voor het bevestigen van kapconstructie- en gevelelementen.

Applications

Toepassingsgebieden

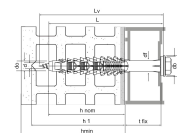
- Houten of metalen kapconstructie
- Gevel, buitenisolatie:
- Keper op muur
- Hoekijzer voor gevelbekleding op de muur

Ondergrond

- Ongescheurd beton,
- Hol en vol metselwerk.

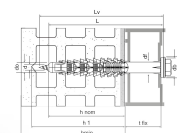


Technische gegevens



Referentie	Nylon fixings dimensions									Nylon fixings Installation data
	Info product									Montagegegevens
	Productreferentie	Plug[mm]	Screw[mm]	Reduced fixture thickness [tf _x][mm]	Standard fixture thickness [tf _x][mm]	Max. dikte te bevestigen bouwdeel[mm]	Bit	Verpakking [pcs][pcs]	Qty per outer box[mm]	Maximum diameter te bevestigen bouwdeel[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
64602B1008000	X3	10x80	7x88	30	10	-	T40	50.0	500.0	10.5
64602B1010000	X3	10x100	7x108	50	30	10	T40	50.0	500.0	10.5
64602B1012000	X3	10x120	7x128	70	50	30	T40	50.0	500.0	10.5
64602B1014000	X3	10x140	7x148	90	70	50	T40	50.0	300.0	10.5
64602B1016000	X3	10x160	7x168	110	90	70	T40	50.0	250.0	10.5

NOTE: The thickness of the plaster must be included in the fixing thickness t_{fix}



See full table online [→](#)

Productref

king

	Qty per outer box[mm]
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Nylor Install

Montag

Maa
dian
beve
bouw

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Product Dimension - Large Rim Ø18 Plug with Hex-head screw

Referentie	Nylon fixings dimensions										
	Info product										
	Productreferentie	Plug[mm]	Screw[mm]	Reduced fixture thickness t_{fix} [mm]	Standard fixture thickness t_{fix} [mm]	Max. dikte te bevestigen bouwdeel[mm]	Bit	Sleutelwijdte[mm]	Built-in washer	Verpakking [pcs][pcs]	Qty per outer box[mm]
64703B1006000	X3	10x60	7x68	10	-	-	T40	13	19	50.0	500.0
64703B1008000	X3	10x80	7x88	30	10	-	T40	13	19	50.0	500.0
64703B1010000	X3	10x100	7x108	50	30	10	T40	13	19	50.0	500.0
64703B1012000	X3	10x120	7x128	70	50	30	T40	13	19	50.0	300.0
64703B1014000	X3	10x140	7x148	90	70	50	T40	13	19	50.0	300.0
64703B1016000	X3	10x160	7x168	110	90	70	T40	13	19	50.0	250.0

⁽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}

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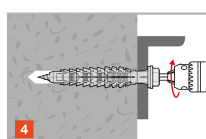
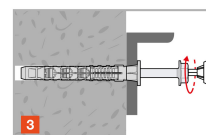
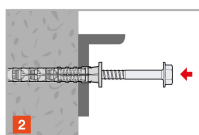
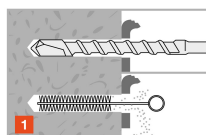
Design capacities - single anchor - no edge distances

Referentie	Nylon fixings Loads								
	Design capacities - single anchor - no edge distances								
	Design capacity								
	Bending moment - MRd[Nm]	Tension - NRd (1)[kN]				Shear - VRd (1-2)[kN]			
		Non-cracked concrete C12/15[kN]	Non-cracked concrete C16/20[kN]	Autoclaved aerated concrete AAC[kN]	Volle baksteen[kN]	Non-cracked concrete C12/15[kN]	Non-cracked concrete C16/20[kN]	Autoclaved aerated concrete AAC[kN]	Volle baksteen[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	-	-	-	-
64602B1008000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64602B1010000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64602B1012000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64602B1014000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64602B1016000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64703B1006000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64703B1008000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64703B1010000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64703B1012000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64703B1014000	18.2	1.8	2.5	0.25	1.6	-	-	-	-
64703B1016000	18.2	1.8	2.5	0.25	1.6	-	-	-	-

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-11/0080

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Plaatsing



Spacings and edge distances

Referentie	Nylon fixings dimensions											
	Info product											
	Product	Spacings and edge distances See full table online → 									Non-cracked concrete C12	
			minimale tafstand beton[kN]	Karakteristieke randafstand[n]								
64602B0808000									85	85		
64602B0810000									85	85		
64602B0812000	X3	8x120	100	250	-	240	70		85	85		

Installation data

Referentie	Nylon fixings Installation data		
	Montagegegevens		
	boorgat-Ø[mm]	Verankeringsdiepte[mm]	Maximum diameter te bevestigen bouwdeel[mm]
64602B0808000	8	55	8.5
64602B0810000	8	55	8.5
64602B0812000	8	55	8.5
64602B1008000	10	65	10.5
64602B1010000	10	65	10.5
64602B1012000	10	65	10.5
64602B1014000	10	65	10.5
64602B1016000	10	65	10.5
64703B1006000	10	65	10.5
64703B1008000	10	65	10.5
64703B1010000	10	65	10.5
64703B1012000	10	65	10.5
64703B1014000	10	65	10.5
64703B1016000	10	65	10.5

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