

Area of Application

ESSVE Nylon plug N is designed for fixing in hard materials such as concrete, natural stone, solid brick.

ESSVE Nylon plug NL is used for porous materials such as lightweight concrete, also known as Leca, Ytong, Siporex, Blue concrete, etc.

porous materials. The dimensions 8, 10 and 12 mm

are available in an extra-long version, NL, which functions well in porous materials.

The plug is made of high grade nylon and can withstand temperatures between -30°C and +100°C.



Description

Outward ribs prevent the Nylon plug from rotating. The nylon plug has no collar, making it suitable for drill-through installation.

Through its targeted expansion the Nylon plug has great advantages when used in thin and

Installation

See the installation instructions at the end of this section.

Installation (Drill-through installation also possible)

- | | | | |
|--|--|---|---|
| <p>1. Drill holes as set out in the table below
Practical load bearing capacity.</p> | <p>2. Push the plug into the hole.</p> | <p>3. Screw on the detail using an appropriate screw. The screw must go through the plug by about 3-5 mm.</p> | <p>4. The installation is finished.</p> |
|--|--|---|---|

Specification

Material	Polyamide (nylon)
----------	-------------------

Nylon plug N/NL

Nylon plug N - Technical data and ESSBOX pack

Item no.	Designation	Length mm	Colour	Suitable screw Ø mm	ESSBOX size	Qty/pack.	Pack./ large pack.
300000	N4×20	20	Blue	2,0-3,5	102	200	24
110001	N5×25	25	Light grey	2,5-4,0	102	100	24
110003	N6×30	30	Light grey	3,5-5,0	202	100	12
110005	N8×40	40	Light grey	4,5-6,0	203	100	8
110007	N10×50	50	Light grey	6,0-8,0	203	50	8
110009	N12×60	60	Light grey	8,0-10,0	202	25	12
300021	N14×70	70	Blue	10,0-12,0	203	20	8
300013	N16×80	80	Blue	12,0-14,0	203	10	8
300014	N20×90	90	Blue	14,0-16,0	203	5	8

Nylon plug N - Bulk packages

Item no.	Designation	Length mm	Colour	Suitable screw Ø mm	Qty/pack.	Item code
9110003	N6×30	30	Light grey	3,5-5,0	10000	L
9110005	N8×40	40	Light grey	4,5-6,0	5000	L
9110007	N10×50	50	Light grey	6,0-8,0	2500	L

L = In stock B = Order item

Nylon plug N - Small package

Item no.	Designation	Length mm	Colour	Suitable screw Ø mm	Qty/pack.	Pack./ large pack.
511232	N6×30	30	Light grey	3,5-5,0	15	10
513182	N6×30	30	Light grey	3,5-5,0	60	6
511234	N8×40	40	Light grey	4,5-6,0	12	10
513186	N8×40	40	Light grey	4,5-6,0	35	6
511236	N10×50	50	Light grey	6,0-8,0	6	10
513185	N10×50	50	Light grey	6,0-8,0	20	6

Nylon plug NL - Technical data and ESSBOX pack

Item no.	Designation	Length mm	Colour	Suitable screw Ø mm	ESSBOX size	Qty/ pack.	Pack./ large pack.
110017	NL8×65	65	Blue	4,5-6,0	203	50	8
110015	NL10×80	80	Blue	6,0-8,0	203	25	8
300019	NL12×95	95	Blue	8,0-10,0	203	20	8

Nylon plug NL - Bulk packages

Item no.	Designation	Length mm	Colour	Suitable screw Ø mm	Qty/ pack.	Item code
9110017	NL8×65	65	Blue	4,5-6,0	2500	L
9110015	NL10×80	80	Blue	6,0-8,0	1500	L

Nylon plug NL - Small package

Item no.	Designation	Length mm	Colour	Suitable screw Ø mm	Qty/ pack.	Pack./ large pack.
511238	NL8×65	65	Blue	4,5-6,0	6	10
511228	NL10×80	80	Blue	6,0-8,0	4	10

Practical load capacity

Designation	Screw — mm	Drill Ø	Drill depth min. mm	Concrete C20/25 Tension load/ Shear load kg	Lightweight concrete Quality group 450 Tension load kg
N4×20	3	4	30	20	-
N5×25	4	5	35	30 / 65	4
N6×30	5	6	40	50 / 90	8
N8×40	6	8	50	80 / 110	15
N10×50	8	10	60	120 / 220	20
N12×60	10	12	70	180 / 340	25
NL8×65	6	8	75	-	20
NL10×80	8	10	90	-	25
NL12×95	10	12	105	-	35
N14×70	12	14	80	280	35
N16×80	14	16	90	400	50
N20×90	16	20	100	550	65

Safety factor for tension and shear load = 6.0 with the largest screw diameter per dimension