



# MUNGO MN NYLON PLUG

Nylon Plug MN made from high-quality Polyamide PA 6 for use in solid building materials.  
Possible combination with wood screws, chipboard screws and metric screws.



## FEATURES

- Made from high-quality polyamide PA6
- Indoor and outdoor applications
- Sound absorption (Polyamide PA6 absorbs sound transmissions between construction unit and building material.
- Pre-installation or through fixing
- Suitable for use in most kinds of building materials, especially in solid building materials.

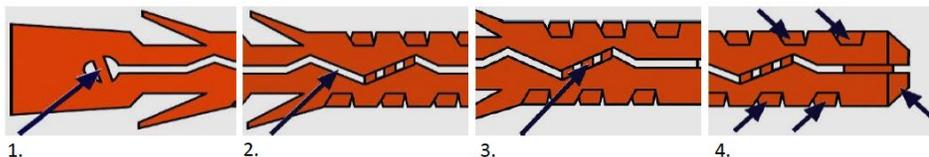
## BASE MATERIALS

- Concrete
- Clay Solid Brick
- Lightweight Concrete
- Calcium Silicate Solid Brick
- Natural Stone, Rock

## APPLICATIONS

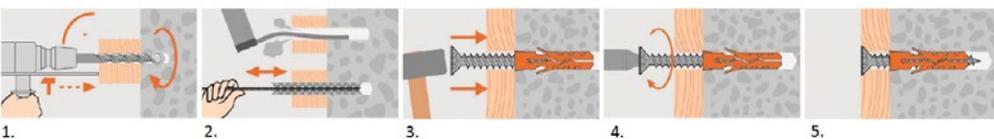
- Substructures
- Woodwork
- Sanitary Installation
- Profiles, Holders
- Pictures, Lamps
- Electric Switches
- Rails

## CHARACTERISTICS



1. Knock-in protection prevents premature expansion while installing
2. M-Teeth ensures a complete radial expansion during screw insertion
3. Stabilization points prevent the plug from breaking open while inserting into the hole
4. Block profile and tapered end hole the plug firm in the hole against rotation and guarantees immediate grip as the plug expands.

## INSTALLATION INSTRUCTIONS



1. Make the drill hole
2. Clean the drill hole (not necessary with hollow brick)
3. Put in position Nylon Plug MN and building material (face of through fixing)
4. Fasten building material with a screw
5. Tightened fastening

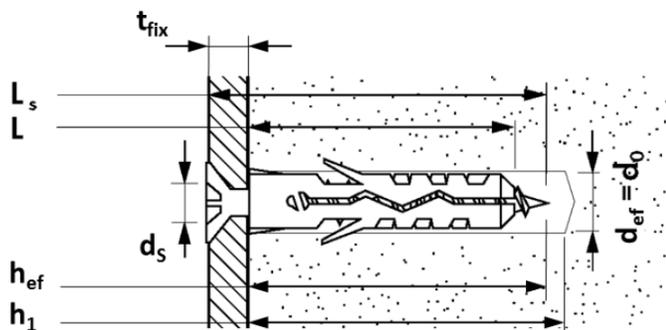


# MUNGO MN NYLON PLUG

## INSTALLATION DATA

Installation parameters for Mungo MN Nylon Plug for concrete or masonry.

MN Nylon Plug Size			4	5	6	7	8	10	12	14	15	16	20
Plug Length	L	(mm)	20	25	30	35	40	50	60	70	75	80	90
Outer Diameter	$d_o$	(mm)	4	5	6	7	8	10	12	14	15	16	20
Installation Data													
Drill Hole Diameter in Substrate	$d_{ef}$	(mm)	4	5	6	7	8	10	12	14	15	16	20
Drilled Hole Depth	$h_1$	(mm)	30	35	40	50	55	65	80	90	95	100	115
Screw Diameter Wood/Chipboard	$d_s$	(mm)	2, 2-3	2, 6-4	3, 5-5	4, 5-5	4, 5-6	6-8	8-10	10-12	10-12	12-14	14-16
Screw Effective Anchorage Depth	$h_{ef}$	(mm)	25	30	35	40	45	60	70	80	85	95	105
Entire Screw Length	$L_s$	(mm)	$25+t_{fix}$	$30+t_{fix}$	$35+t_{fix}$	$40+t_{fix}$	$45+t_{fix}$	$60+t_{fix}$	$70+t_{fix}$	$80+t_{fix}$	$85+t_{fix}$	$95+t_{fix}$	$105+t_{fix}$
Screw Diameter Metric	$d_m$	(mm)	-	M3	M4	M4	M5	M6	M8	M10	M10	-	-



## PERFORMANCE DATA

Basic performance data for MN Nylon Plug with safety factor 5.

### RECOMMENDED TENSION FOR MN NYLON PLUG

MN Nylon Plug Size			4	5	6	7	8	10	12	14	15	16	20
Plug Length	L	(mm)	20	25	30	35	40	50	60	70	75	80	90
Recommended Tension Resistance													
Non-cracked concrete $\geq C20/25$	$N_{rec}$	(kN)	0.25	0.35	0.6	0.7	0.85	1.4	1.8	2.6	2.9	3.2	5.2
Clay Solid Brick	$N_{rec}$	(kN)	0.1	0.2	0.4	0.55	0.6	0.8	1	1.3	1.5	1.7	1.9
Lightweight Concrete	$N_{rec}$	(kN)	0.02	0.04	0.06	0.07	0.09	0.2	0.4	0.5	0.6	0.6	1

Above values refer to a maximum diameter of the wood screw



## MUNGO MN NYLON PLUG

## ORDERING INFORMATION

PART #	SIZE	MATERIAL	DRILL SIZE	QUANTITY/BOX
1MN06	6 x 30mm	Nylon	6mm	100/Box
1MN07	7 x 35mm	Nylon	7mm	100/Box
1MN08	8 x 40mm	Nylon	8mm	100/Box
1MN10	10 x 55mm	Nylon	10mm	50/Box
1MN12	12 x 60mm	Nylon	12mm	25/Box

## IMPORTANT NOTICE

Values in this document are only valued for Mungo MN Nylon Plug. In recommended resistance the partial safety factor  $\gamma=5$  is considered. For combination of tensile loads, shear loads, bending moments as well as reduced edge distances or spacing's (anchors groups) above given values needs to be reduced. The data must be checked by the user under the responsibility of an engineer experienced in anchorage. This is to ensure there a no errors and all data is complete and accurate and complies with all rules and regulations for the actual conditions and applications.