



mungo
MUNGO

mungo



Nylon
Catalog

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NYLON PLUGS

Nylon Plug for light loads

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MUNGO Legend Explanation of symbols

INDUSTRIES

-  Facade / Scaffolding
-  Structural / Civil engineering
-  Infrastructure
-  Drywall / Interior fittings
-  Steel / Metal constructions
-  Wood construction
-  Electrical installations
-  Building services

BUILDING MATERIALS

-  Concrete, cracked
-  Concrete, non-cracked
-  Natural Stone, Rock
-  Brick
-  Calcium Silicate Brick
-  Perforated Brick
-  Lightweight Concrete
-  Plasterboard
-  Panels / Boards
-  Insulation Boards
-  Wood

MATERIAL

-  Zinc plated
-  Stainless steel A2
-  Stainless steel A4

APPROVALS

-  European Organisation for Technical Assessment EOTA, Brüssel
-  Institute of Constructional Physics IFB, Mülheim
-  Schwibb Testing Service, RUAG
-  Fire resistance test certification
-  Nylon Quality PA6 Proved Material

DRIVE TYPES

-  Pozi
-  TX
-  Hexagon socket
-  Hexagon screw
-  Hexagon screw, TX, collar

SYMBOLS

-  Hammer setting

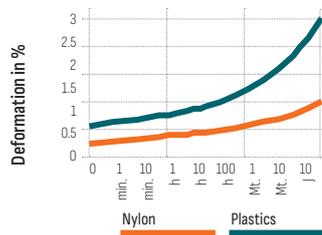


NYLON PA 6 Quality

MUNGO nylon products are made from high-grade polyamide PA 6. Due to its excellent characteristics PA 6 can be described as the most valuable material in the fastening world.

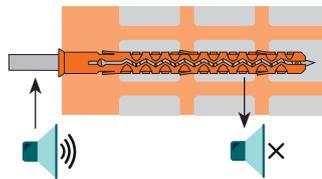


- ⦿ Large temperature range of -40 °C up to +100 °C
- ⦿ Moisture absorption leads to important technical features such as impact strength and low deformation risk
- ⦿ Excellent stability in terms of dynamic loads
- ⦿ Low flammability and self-extinguishing
- ⦿ Halogen-free material



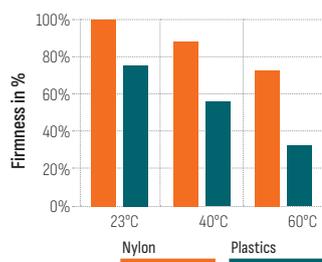
Deformation

The deformation characteristics of polyamide PA6 clearly offers better value in comparison to conventional materials.



Sound absorption

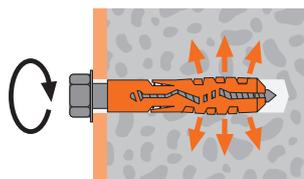
Polyamid 6 reduces the sound transmission between fastener and building material.



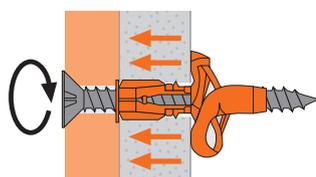
Solidity under temperature influences

Polyamid 6 exhibits higher strength under temperature influences compared to conventional plastics.

Different anchor types

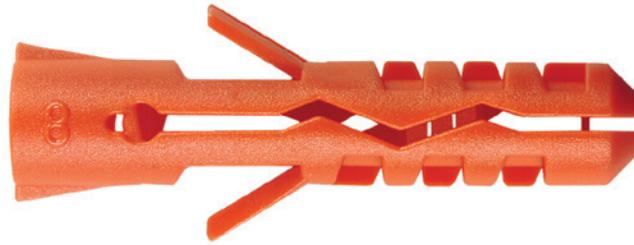


Nylon Plug (e. g. MN, MQ, MU, MNA, ML, MQL, MB, MBR). When an expansion element is screwed or hammered in, the dowel expands and presses against the wall of the drill hole. The pull-out resistance is generated by the resulting friction.



Cavity Wall Anchor (e. g. MU, MQ). The anchor body is pulled back towards the building material by a screw and creates a form-fit connection by knotting.

MN Nylon Plug

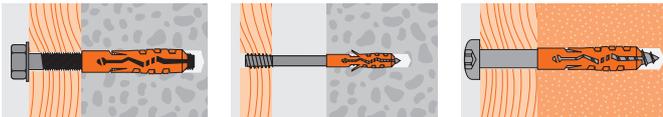


BUILDING MATERIALS



APPLICATIONS

Pictures, Lamps, Holders, Profiles, Substructures, Electric switches, Rails



Features

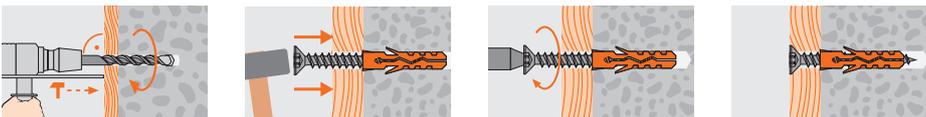
- Can be used with wood screws, chipboard screws and metric screws
- Suitable for use in most kinds of building materials, especially in solid building materials
- Knock-in protection prevents premature expansion while installing
- Wings hold the plug firm in the hole against rotation; guarantees immediate grip as the plug expands
- M-Teeth ensuring a complete radial expansion during screw insertion
- Connecting bars prevent the plug from breaking open while inserting into the hole
- Made from high-quality polyamide PA 6
- Pre installation or through fixing
- Indoor and outdoor applications

TECHNICAL DATA

	Concrete C20/25 tension load (kN)	Brick tension load (kN)	Aerated Concrete tension load (kN)
MN 4	0.1	0.08	0.02
MN 5	0.14	0.1	0.04
MN 6	0.2	0.15	0.06
MN 7	0.25	0.2	0.07
MN 8	0.33	0.25	0.09
MN 10	0.8	0.6	0.2
MN 12	1.2	0.9	0.4
MN 14	2.6	1.3	0.5
MN 15	2.9	1.5	0.6
MN 16	3.2	1.7	0.6
MN 20	5.2	1.9	1.0

Wood screw with max. diameter / safety factor 5 / 1 kN = 100 kg

INSTALLATION



MN Nylon Plug

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	d_s	d_s	[FS]	[SK]	
1000040	4	20	2.2-3	-	250 [VA]	9000 [32]	540000
1000050	5	25	2.6-4	M3	250 [VA]	9000 [32]	540000
1000060	6	30	3.5-5	M4	200 [VA]	7200 [32]	432000
1000070	7	35	4.5-5	M4	100 [VA]	3600 [32]	216000
1000080	8	40	4.5-6	M5	100 [VA]	3600 [32]	216000
1000100	10	50	6-8	M6	50 [VA]	1800 [32]	108000
1000120	12	60	8-10	M8	50 [II]	1200 [32]	72000
1000140	14	70	10-12	M10	40 [II]	960 [32]	57600
1000150	15	75	10-12	M10	20 [II]	480 [32]	28800
1000160	16	80	12-14	-	20 [II]	480 [32]	28800
1000200	20	90	14-16	-	10 [II]	240 [32]	14400



01

MN Nylon Plug in Maxi-Box

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Unit content	Box quantity	Pallet quantity
	$d_{nom} = d_s$	L	d_s	d_s	[FS]		
1000051	5	25	2.6-4	M3	250 [VA]	7000	168000
1000061	6	30	3.5-5	M4	200 [VA]	5600	134400
1000081	8	40	4.5-6	M5	100 [VA]	2800	67200
1000101	10	50	6-8	M6	50 [VA]	1400	33600
1000121	12	60	8-10	M8	50 [II]	950	22800



03

MN Nylon Plug in outer carton, bulk packed

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	d_s	d_s	[SK]	
1000055	5	25	2.6-4	M3	20000 [32]	1200000
1000065	6	30	3.5-5	M4	15000 [32]	900000
1000085	8	40	4.5-6	M5	5000 [32]	300000
1000105	10	50	6-8	M6	2500 [32]	150000
1000125	12	60	8-10	M8	2000 [32]	120000
1000145	14	70	10-12	M10	1000 [32]	60000



04

05

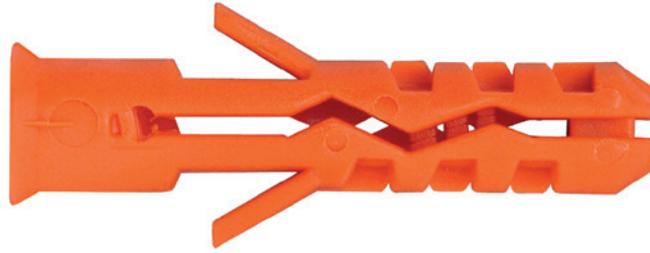
Nylon plugs

06

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08

MNK Nylon Plug with collar



BUILDING MATERIALS



APPLICATIONS

Pictures, Lamps, Holders, Profiles, Substructures, Electric switches, Rails



FEATURES

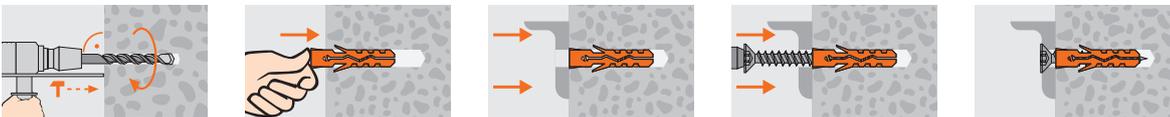
- Ideal for most base materials, with a focus on solid materials
- Collar prevents the plug from being pushed into deeper holes
- Clean cover of the drill hole
- Knock-in protection prevents premature expansion while installing
- Wings hold the plug firm in the hole against rotation; guarantees immediate grip as the plug expands
- M-Teeth ensuring a complete radial expansion during screw insertion
- Connecting bars prevent the plug from breaking open while inserting into the hole
- Made from high-quality polyamide PA 6
- Pre installation
- Indoor and outdoor applications

TECHNICAL DATA

	Concrete, non-cracked C20/25 tension load (kN)	Brick tension load (kN)	Aerated Concrete tension load (kN)
MNK 5	0.14	0.1	0.04
MNK 6	0.2	0.15	0.06
MNK 8	0.33	0.25	0.09
MNK 10	0.8	0.6	0.2
MNK 12	1.2	0.9	0.4

Wood screw with max. diameter / safety factor 5 / 1 kN = 100 kg

INSTALLATION



MNK Nylon Plug with collar

Article code	Plug and drill \varnothing mm	Length mm	Screw \varnothing wood/chipboard mm	Screw \varnothing metric	Unit content	Outer carton quantity	Pallet quantity
	$d_{\text{plug}} = d_{\text{drill}}$	L	d_s	d_s	[8]	[8]	
1040520	5	25	2.6-4	M3	250 [9]	9000 [32]	540000
1040630	6	30	3.5-5	M4	200 [9]	7200 [32]	432000
1040840	8	40	4.5-6	M5	100 [9]	3600 [32]	86400
1041050	10	50	6-8	M6	50 [9]	1800 [32]	43200
1041250	12	60	8-10	M8	50 [11]	1200 [32]	28800



MNL Nylon Plug long



01



02

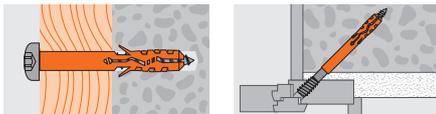


BUILDING MATERIALS



APPLICATIONS

Frames, Substructures



FEATURES

- Long shank reduces lateral movements
- Knock-in protection prevents premature expansion while installing
- Wings hold the plug firm in the hole against rotation; guarantees immediate grip as the plug expands
- M-Teeth ensuring a complete radial expansion during screw insertion
- Connecting bars prevent the plug from breaking open while inserting into the hole
- For bridging of thick layers of plaster
- Made from high-quality polyamide PA 6
- Through fixing
- Indoor and outdoor applications

03

04

TECHNICAL DATA

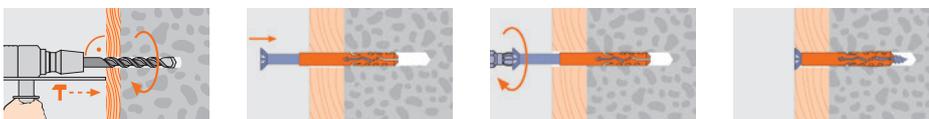
	Concrete, non-cracked C20/25 tension load (kN)	Brick tension load (kN)	Aerated Concrete tension load (kN)
MNL 6	0.2	0.15	0.06
MNL 8	0.33	0.25	0.09

Wood screw with max. diameter / safety factor 5 / 1 kN = 100 kg

05

Nylonfistel

INSTALLATION



06

MNL Nylon Plug long

Article code	Plug and drill ϕ mm $d_{min} = d_0$	Length mm L	Screw ϕ wood/chipboard mm d_s	Screw ϕ metric d_s	Unit content [FS]	Outer carton quantity [SK]	Pallet quantity
1000600	6	50	3.5-5	M4	100 [VA]	1800 [Z2]	43200
1000800	8	65	4.5-6	M5	50 [VA]	900 [Z2]	21600



07

08

MQ Quattro® Nylon Plug



BUILDING MATERIALS



APPLICATIONS

Holders, Electric switches, Pictures, Lamps, Profiles, Substructures, Rails



FEATURES

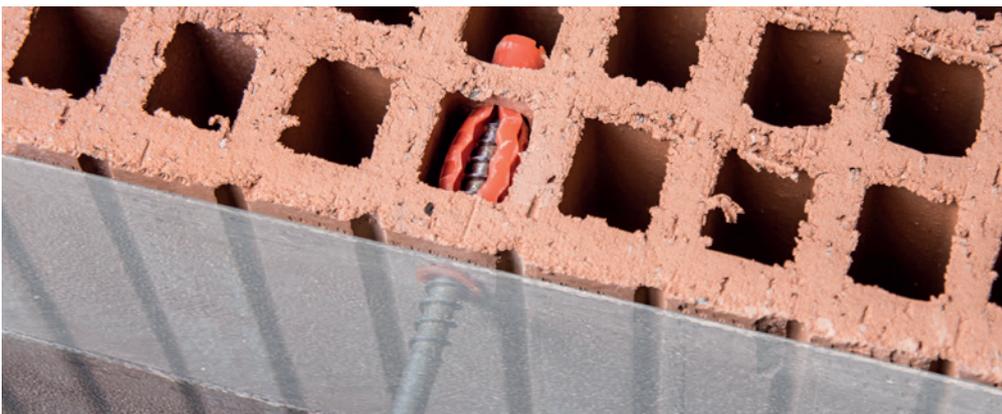
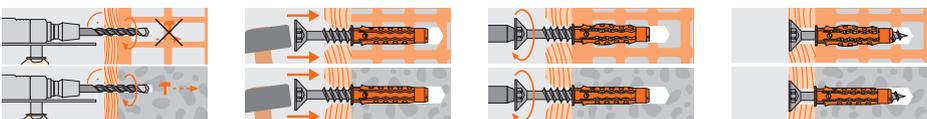
- Quattro® Technology
- Highest possible resistance values in the lower and middle load area, particularly suitable for applications with chipboard screws
- For use in all kinds of building materials
- Collar prevents the plug from being pushed into deeper holes
- Knock-in protection prevents premature expansion while installing
- Rotation resistance stops the plug rotating in the drill hole
- Special plug geometry allows ease of entry into the drill hole
- Made from high-quality polyamide PA 6
- Pre installation
- Indoor and outdoor applications

TECHNICAL DATA

	Concrete C20/25 tension load (kN)	Brick tension load (kN)	Aerated Concrete tension load (kN)	Calcium Silicate Brick tension load (kN)	Perforated Brick tension load (kN)
MQ 5	0.2	0.2	0.12	0.2	0.15
MQ 6	0.45	0.4	0.12	0.45	0.3
MQ 8	0.8	0.7	0.19	0.8	0.4
MQ 10	1.2	1.1	0.3	1.2	0.45
MQ 12	2.0	1.8	0.4	2.0	0.5
MQ 14	3.0	1.9	0.55	2.3	0.6

Wood screw with max. diameter / safety factor 5 / 1kN = 100 kg

INSTALLATION



MQ QUATTRO® Nylon Plug

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_s	d_s	[FS]	[SK]	
1050050	5	25	2.6-4	M3	250 [VA]	9000 [32]	540000
1050060	6	30	3.5-5	M4	200 [VA]	7200 [32]	432000
1050080	8	40	4.5-6	-	100 [VA]	3600 [32]	216000
1050100	10	50	6-8	-	100 [21]	1800 [32]	108000
1050120	12	60	8-10	-	50 [11]	1200 [32]	72000
1050140	14	70	10-12	-	40 [11]	960 [32]	57600



01

MQ QUATTRO® Nylon Plug in Mini-Box, bulk packed

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_s	d_s		
1380532	5	25	2.6-4	M3	3500	280000
1380533	6	30	3.5-5	M4	2000	160000
1380534	8	40	4.5-6	-	1000	80000
1380535	10	50	6-8	-	500	40000



02

MQ QUATTRO® Nylon Plug in Maxi-Box

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_s	d_s	[FS]		
1050051	5	25	2.6-4	M3	250 [VA]	7000	168000
1050061	6	30	3.5-5	M4	200 [VA]	5600	134400
1050081	8	40	4.5-6	-	100 [VA]	2800	67200
1050101	10	50	6-8	-	100 [21]	1200	28000
1050121	12	60	8-10	-	50 [11]	950	22800
1050141	14	70	10-12	-	40 [11]	760	18240



03

MQ QUATTRO® Nylon Plug in outer carton, bulk packed

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_s	d_s	[SK]	
1050055	5	25	2.6-4	M3	20000 [32]	1200000
1050065	6	30	3.5-5	M4	12000 [32]	720000
1050085	8	40	4.5-6	-	5000 [32]	300000
1050105	10	50	6-8	-	2500 [32]	150000
1050125	12	60	8-10	-	1500 [32]	90000
1050145	14	70	10-12	-	1000 [32]	60000



05

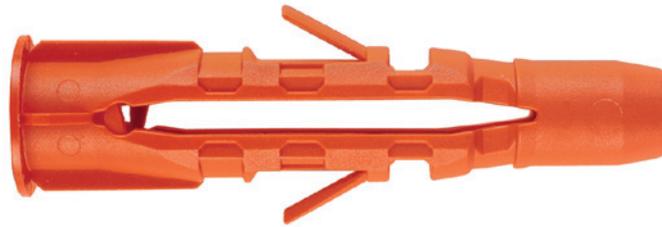
Nylon plugs

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08

MU Multi Plug Nylon

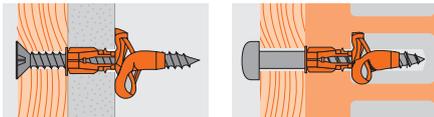


BUILDING MATERIALS



APPLICATIONS

Holders, Electric switches, Rails, Pictures, Lamps, Substructures, Profiles



FEATURES

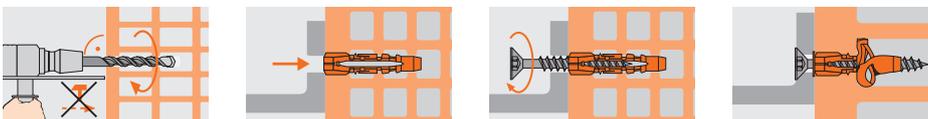
- High performance in hollow walls thanks to knotting
- Automatic collar detachment makes the plug multifunctional
- Knock-in protection prevents premature expansion while installing
- Preload stops the plug rotating in the drill hole
- Made from high-quality polyamide PA 6
- Pre installation or through fixing
- Indoor and outdoor applications

TECHNICAL DATA

	Concrete C20/25 tension load (kN)	Perforated Brick tension load (kN)	Plasterboard tension load (kN)
MU 6x35	0.3	0.2	0.15
MU 6x45	0.45	0.2	0.15
MU 8	0.6	0.3	0.18
MU 10	0.9	0.4	0.2
MU 12	1.2	0.5	-
MU 14	1.5	0.6	-

Wood screw with max. diameter / safety factor 5 / 1 kN = 100 kg

INSTALLATION



MU Multi Plug Nylon

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_s	[FS]	[SK]	
1010630	6	35	3-4	100 [FA]	3600 [32]	216000
1010640	6	45	3-4	100 [FA]	3600 [32]	216000
1010850	8	50	4.5-6	50 [FA]	1800 [32]	108000
1011060	10	60	6-8	50 [FA]	1200 [32]	72000
1011270	12	70	8-10	40 [FA]	960 [32]	57600
1011470	14	75	10-12	20 [FA]	480 [32]	28800



01

MU Multi Plug Nylon in Maxi-Box

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Unit content	Box quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_s	[FS]		
1010631	6	35	3-4	100 [FA]	2800	67200
1010641	6	45	3-4	100 [FA]	2800	67200
1010851	8	50	4.5-6	50 [FA]	1400	33600
1011061	10	60	6-8	50 [FA]	950	22800
1011271	12	70	8-10	40 [FA]	760	18240
1011471	14	75	10-12	20 [FA]	380	9120



02

MU Multi Plug Nylon in outer carton, bulk packed

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_s	[FS]	[SK]	
1010635	6	35	3-4		7500 [32]	450000
1010645	6	45	3-4		6000 [32]	360000
1010855	8	50	4.5-6		3500 [32]	210000
1011065	10	60	6-8		1800 [32]	108000
1011275	12	70	8-10		1000 [32]	60000
1011475	14	75	10-12		500 [32]	30000



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Nylon plugs

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ML & MLK Hollow Brick Plug

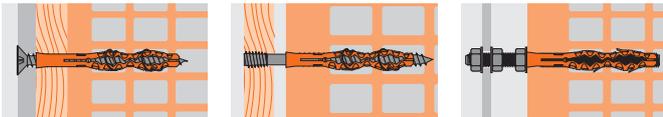


BUILDING MATERIALS



APPLICATIONS

Facings, Squared timbers, Roller blinds (MLK), Frames, Distance fixing



FEATURES

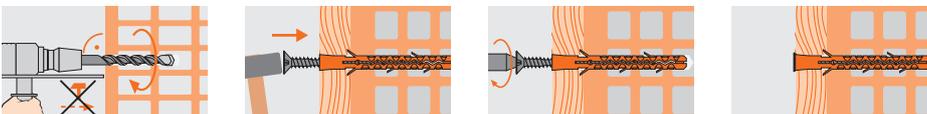
- Ideal for use in brickwork
- Can be used with wood screws, chipboard screws and metric screws
- For use with anchor rod M10 (ML14)
- Rotation resistance stops the plug rotating in the drill hole
- Knock-in protection prevents premature expansion while installing
- Collar prevents the plug from being pushed into deeper holes (MLK)
- Made from high-quality polyamide PA 6
- Pre installation or through fixing
- Indoor and outdoor applications

TECHNICAL DATA

	Perforated Brick tension load (kN)	Aerated Concrete tension load (kN)
ML 6	0.4	0.15
ML/MLK 8	0.6	0.25
ML 10	0.8	0.4
ML 14	1.0	0.6

Without hammer drilling in perforated brick and lightweight concrete / safety factor 5 / Wood screw with max. diameter / 1 kN = 100 kg

INSTALLATION



ML Hollow Brick Plug Ø 6/8

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Unit content	Outer carton quantity	Pallet quantity
	$d_{\text{min}} = d_0$	L	d_s	d_s	[FS]	[SK]	
1100606	6	60	3.5-5	M4	100 [11]	2400 [32]	57600
1100808	8	80	5-6	M5	100 [31]	1200 [32]	28800



01

ML Hollow Brick Plug Ø 10/14

Article code	Plug and drill Ø mm	Length mm	Screw Ø wood/chipboard mm	Screw Ø metric	Unit content	Outer carton quantity	Pallet quantity
	$d_{\text{min}} = d_0$	L	d_s	d_s	[FS]	[SK]	
1101009	10	90	7	M6	100 [51]	600 [32]	14400
1101012	10	120	7	M6	50 [41]	450 [32]	10800
1101409	14	90	10	M10	50 [41]	450 [32]	10800
1101412	14	120	10	M10	50 [51]	300 [32]	7200



02

MLK Hollow Brick Plug with collar Ø 8

Article code	Plug and drill Ø mm	Length mm	Collar Ø mm	Screw Ø wood/chipboard mm	Screw Ø metric	Unit content	Outer carton quantity	Pallet quantity
	$d_{\text{min}} = d_0$	L	d_s	d_s	[FS]	[SK]		
1100808K	8	80	12.5	5-6	M5	100 [31]	1200 [32]	28800



03

04

05

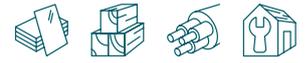
Nylon plugs

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SD Sound Insulation Plug

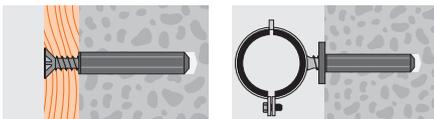


BUILDING MATERIALS



APPLICATIONS

Substructures, Sound insulation constructions, Cable clips, Pipe clips



FEATURES

- Structure-borne sound decoupling already integrated in the plug
- Sound reduction up to 15.5 dB (structure-borne noise), tested by IFB, Mülheim
- Can be used with most types of wood screws
- Integrated Nylon Plug made from polyamide 6
- Pre installation or through fixing (SD)
- Pre installation (SDK)
- Indoor and outdoor applications

TECHNICAL DATA

	Concrete C20/25 tension load (kN)	Brick tension load (kN)	Lightweight Concrete tension load (kN)	Sound insulation value dB	Drill hole depth mm h ₀	Screw Ø mm d _s	Nylon Plug
SD/SDK 6	0.22	0.17	0.06	12.5	40	3.5-5.0	6
SD/SDK 8	0.42	0.33	0.08	10.5	50	4.5-6.0	8
SD/SDK 10	0.70	0.56	0.15	13.5	60	6.0-8.0	10
SD/SDK 12	1.10	0.88	0.25	15	75	8.0-10.0	12
SD/SDK 14	1.60	1.28	0.30	15.5	80	10.0-12.0	14

Safety factor 5 / Wood screw with max. diameter / 10 N = 1 kg / Screw in depth: In order to avoid solid-borne-sound-bridges the screw must not be screwed-in further than the plug depth

INSTALLATION



SD Sound Insulation Plug

Article code	Inner Plug Ø mm	Plug and drill Ø mm	Length mm	Unit content	Outer carton quantity	Pallet quantity
		$d_{nom} = d_0$	L	[FS]	[SK]	
1880006	6	10	30	100 [11]	2400 [32]	57600
1880008	8	12	40	100 [21]	1800 [32]	43200
1880010	10	14	50	50 [21]	900 [32]	21600
1880012	12	16	60	50 [31]	600 [32]	14400
1880014	14	18	70	50 [51]	300 [32]	7200



SDK Sound Insulation Plug with collar

Article code	Inner Plug Ø mm	Plug and drill Ø mm	Length mm	Eff. anchorage depth mm	Collar Ø mm	Collar thickness mm	Unit content	Outer carton quantity	Pallet quantity
		$d_{nom} = d_0$	L	h_{ef}	d_k	L_k	[FS]	[SK]	
1880106	6	10	34	30	22	4	100 [31]	1200 [32]	28800
1880108	8	12	44	40	30	4	100 [51]	600 [32]	14400
1880110	10	14	56	50	34	6	50 [51]	300 [32]	7200
1880112	12	16	67	60	42	7	25 [51]	150 [32]	3600
1880114	14	18	77	70	42	7	25 [51]	150 [32]	3600



01

02

03

04

05

Nylon plugs

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08

MNA Hammer Screw



BUILDING MATERIALS



APPLICATIONS

Wooden constructions, Skirtings, Profiles, Frames



FEATURES

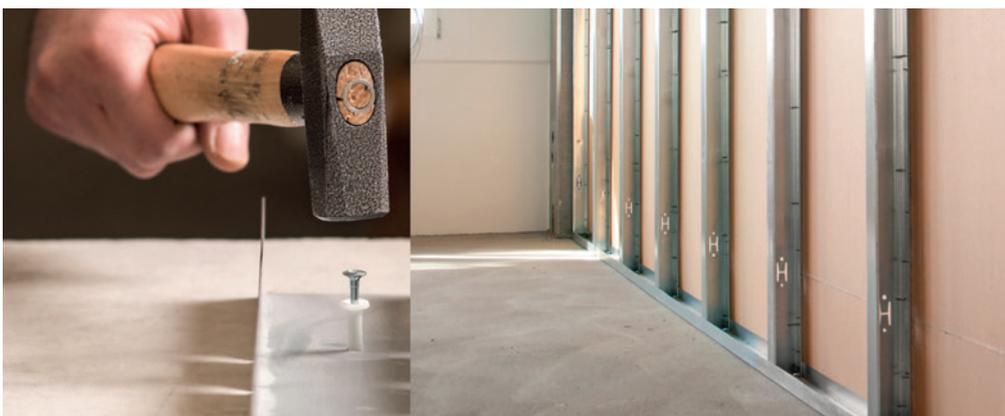
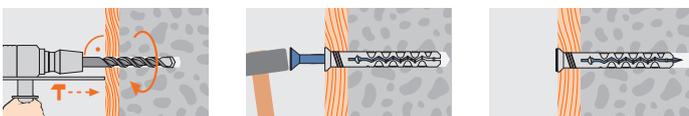
- ⦿ Quick and easy installation
- ⦿ Available with 3 different head styles
- ⦿ The long expansion zone guarantees optimal resistance
- ⦿ High impact resistance, enhances contact pressure in the collar area
- ⦿ The serrated thread allows adjustment and dismantling
- ⦿ Plug made from high-quality polyamide PA 6
- ⦿ Through fixing
- ⦿ Indoor (zinc plated) and outdoor (stainless steel) applications

TECHNICAL DATA

	Concrete, non-cracked C20/25 tension load (kN)	Brick tension load (kN)	Calcium Silicate Brick tension load (kN)
MNA 5	0.25	0.2	0.15
MNA 6	0.3	0.25	0.2
MNA 8	0.4	0.3	0.25
MNA 10	0.5	0.4	0.3

Safety factor 5 / 1 kN = 100 kg

INSTALLATION



MNA-S Hammer Screw with countersunk collar

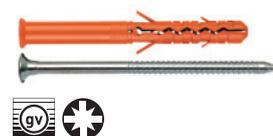
Article code	Plug and drill Ø mm	Length mm	Collar Ø mm	Usable length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{coll} = d_0$	L	d_c	t_{st}		[FS]	[SK]	
1122502S	5	25	7	2	PZ2	100 [11]	2400 [32]	144000
1122503S	5	30	7	5	PZ2	100 [11]	2400 [32]	144000
1122504S	5	40	7	15	PZ2	100 [11]	2400 [32]	144000
1122505S	5	50	7	25	PZ2	100 [11]	2400 [32]	144000
1122603S	6	35	9	5	PZ2	100 [21]	1800 [32]	108000
1122604S	6	40	9	10	PZ2	100 [21]	1800 [32]	108000
1122605S	6	50	9	20	PZ2	100 [21]	1800 [32]	108000
1122606S	6	60	9	30	PZ2	100 [31]	1200 [32]	72000
1122607S	6	70	9	40	PZ2	100 [31]	1200 [32]	72000
1122608S	6	80	9	50	PZ2	100 [31]	1200 [32]	72000
1122805S	8	50	12	10	PZ3	100 [41]	900 [32]	54000
1122806S	8	60	12	20	PZ3	100 [41]	900 [32]	54000
1122808S	8	80	12	40	PZ3	100 [51]	600 [32]	36000
1122810S	8	100	12	60	PZ3	100 [51]	600 [32]	36000
1122812S	8	120	12	80	PZ3	100 [51]	600 [32]	36000
1122814S	8	140	12	100	PZ3	100 [51]	600 [32]	36000



01

MNA-S Hammer Screw with countersunk collar, not pre-assembled

Article code	Plug and drill Ø mm	Length mm	Collar Ø mm	Usable length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{coll} = d_0$	L	d_c	t_{st}		[FS]	[SK]	
11229081S	10	80	13	30	PZ3	50 [31]	600 [32]	36000
11229101S	10	100	13	50	PZ3	50 [51]	300 [32]	18000
11229121S	10	120	13	70	PZ3	50 [51]	300 [32]	18000
11229141S	10	140	13	90	PZ3	50 [51]	300 [32]	18000
11229161S	10	160	13	110	PZ3	50 [51]	300 [32]	18000



02

03

04

MNA-Z Hammer Screw with cylindrical collar

Article code	Plug and drill Ø mm	Length mm	Collar Ø mm	Usable length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{coll} = d_0$	L	d_c	t_{st}		[FS]	[SK]	
1122502Z	5	25	8	2	PZ2	100 [11]	240 [32]	144000
1122503Z	5	30	8	5	PZ2	100 [11]	2400 [32]	144000
1122504Z	5	40	8	15	PZ2	100 [11]	2400 [32]	144000
1122505Z	5	50	8	25	PZ2	100 [11]	2400 [32]	144000
1122603Z	6	35	12	5	PZ2	100 [21]	1800 [32]	108000
1122604Z	6	40	12	10	PZ2	100 [21]	1800 [32]	108000
1122605Z	6	50	12	20	PZ2	100 [21]	1800 [32]	108000
1122606Z	6	60	12	30	PZ2	100 [31]	1200 [32]	72000
1122607Z	6	70	12	40	PZ2	100 [31]	1200 [32]	72000
1122608Z	6	80	12	50	PZ2	100 [31]	120 [32]	72000
1122805Z	8	50	15	10	PZ3	100 [41]	900 [32]	54000
1122806Z	8	60	15	20	PZ3	100 [41]	900 [32]	54000
1122808Z	8	80	15	40	PZ3	100 [51]	600 [32]	36000
1122810Z	8	100	15	60	PZ3	100 [51]	600 [32]	36000
1122812Z	8	120	15	80	PZ3	100 [51]	600 [32]	36000
1122814Z	8	140	15	100	PZ3	100 [51]	600 [32]	36000



05

Nylon plugs

06

MNA-G Hammer Screw with large collar PZ2

Article code	Plug and drill Ø mm	Length mm	Collar Ø mm	Usable length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{coll} = d_0$	L	d_c	t_{st}		[FS]	[SK]	
1122502G	5	25	11	2	PZ2	100 [11]	240 [32]	57600
1122503G	5	30	11	5	PZ2	100 [11]	2400 [32]	57600
1122504G	5	40	11	15	PZ2	100 [11]	2400 [32]	57600
1122604G	6	40	13	10	PZ2	100 [21]	1800 [32]	43200



07

08



MNA-G Hammer Screw with large collar T25

Article code	Plug and drill Ø mm	Length mm	Collar Ø mm	Usable length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_k	t_{ex}		[FS]	[SK]	
1122805G	8	50	17	10	T25	100 [4]	900 [32]	21600
1122806G	8	60	17	20	T25	100 [5]	600 [32]	14400
1122808G	8	80	17	40	T25	100 [5]	600 [32]	14400
1122810G	8	100	17	60	T25	100 [5]	600 [32]	14400



MNAr-S Hammer Screw with countersunk collar, stainless steel A2

Article code	Plug and drill Ø mm	Length mm	Collar Ø mm	Usable length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_k	t_{ex}		[FS]	[SK]	
1125503S	5	30	7	5	PZ2	100 [1]	2400 [32]	57600
1125505S	5	50	7	25	PZ2	100 [1]	2400 [32]	57600
1125603S	6	35	9	5	PZ2	100 [2]	1800 [32]	43200
1125604S	6	40	9	10	PZ2	100 [2]	1800 [32]	43200
1125605S	6	50	9	20	PZ2	100 [2]	1800 [32]	43200
1125606S	6	60	9	30	PZ2	100 [3]	1200 [32]	28800
1125607S	6	70	9	40	PZ2	100 [3]	1200 [32]	28800
1125805S	8	50	12	10	PZ3	100 [4]	900 [32]	21600
1125806S	8	60	12	20	PZ3	100 [4]	900 [32]	21600
1125808S	8	80	12	40	PZ3	100 [5]	600 [32]	14400
1125810S	8	100	12	60	PZ3	100 [5]	600 [32]	14400
1125812S	8	120	12	80	PZ3	100 [5]	600 [32]	14400
1125814S	8	140	12	100	PZ3	100 [5]	600 [32]	14400



MNAr-Z Hammer Screw with countersunk collar, stainless steel A2

Article code	Plug and drill Ø mm	Length mm	Collar Ø mm	Usable length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	d_k	t_{ex}		[FS]	[SK]	
1125503Z	5	30	8	5	PZ2	100 [1]	2400 [32]	57600
1125505Z	5	50	8	25	PZ2	100 [1]	2400 [32]	57600
1125603Z	6	35	12	5	PZ2	100 [2]	1800 [32]	43200
1125604Z	6	40	12	10	PZ2	100 [2]	1800 [32]	43200
1125605Z	6	50	12	20	PZ2	100 [2]	1800 [32]	43200
1125606Z	6	60	12	30	PZ2	100 [3]	1200 [32]	28800
1125607Z	6	70	12	40	PZ2	100 [3]	1200 [32]	28800
1125805Z	8	50	15	10	PZ3	100 [4]	900 [32]	21600
1125806Z	8	60	15	20	PZ3	100 [4]	900 [32]	21600
1125808Z	8	80	15	40	PZ3	100 [5]	600 [32]	14400
1125810Z	8	100	15	60	PZ3	100 [5]	600 [32]	14400
1125812Z	8	120	15	80	PZ3	100 [5]	600 [32]	14400
1125814Z	8	140	15	100	PZ3	100 [5]	600 [32]	14400



MDB Nylon Disc, white

Bestellnummer	Disc Ø mm	Hole Ø mm	Description	For	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	d_w			[FS]	[SK]	
1120864	45	5.1	Nylon	MNA-S 5	100 [3]	1200 [32]	28800
1120865	45	8.5	Nylon	MNA-S 6/8 / MRS-U	100 [3]	1200 [32]	28800
1120877	60	8.5	Nylon	MNA-S 6/8 / MRS-U	100 [5]	600 [32]	14400
1120878	60	10.5	Nylon	MNA-S 10	100 [5]	600 [32]	14400



MDB-M Metal Disc, Ø 38 mm (metal white & metal)

Bestellnummer	Disc Ø mm	Hole Ø mm	Description	For	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	d_w			[FS]	[SK]	
1120875	38	9.0	Metall, weiss	MNA-S 8 / MEN 8 / MRS	200 [2]	3600 [32]	86400
1120867	38	9.0	Metall	MNA-S 8 / MEN 8 / MRS	200 [2]	3600 [32]	86400



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MQL Universal Frame Plug

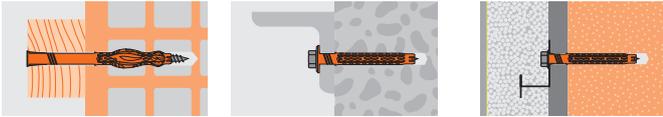


BUILDING MATERIALS



APPLICATIONS

Facade and roof substructures, Ventilated facades, Fixing for insulation, Substructures, Profiles



FEATURES

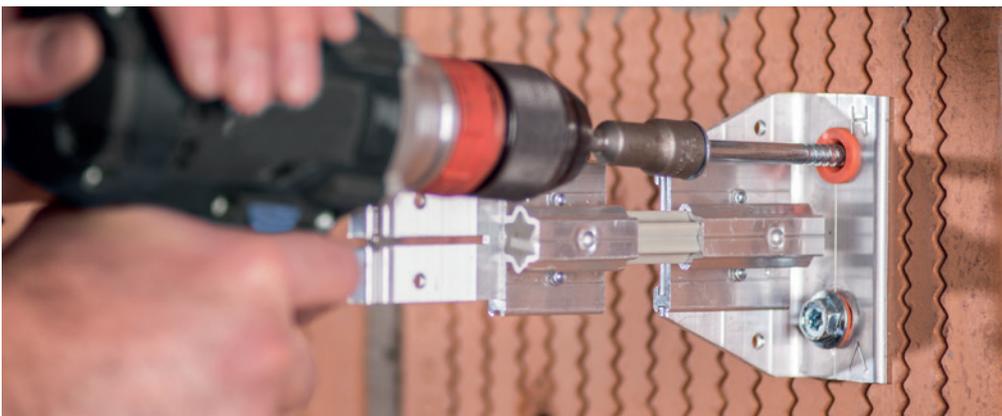
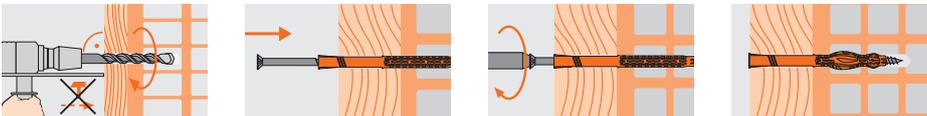
- Assessed for multiple use in concrete and masonry for non-structural applications
- Assessment of resistance under fire exposure R90 for fastening of façade systems
- Quattro® Technology
- Universal use
- Setting depth of 70 mm results in higher loadings
- Knot forming leads to high resistance in cavities
- Longer plugs with reinforced shank
- 3-times rotation resistance stops the plug rotating in the drill hole (especially in softer materials)
- Knock-in protection prevents premature expansion while installing
- Oversize plugs moulded in one-piece up to the overall length of 300 mm
- Made from high-quality polyamide PA 6
- Through fixing
- Indoor (zinc plated) and outdoor (stainless steel) applications

TECHNICAL DATA

	Concrete, non-cracked C20/25 tension load (kN)	Concrete, cracked ≥ C16/20 tension load (kN)	Brick tension load (kN)	Calcium Silicate Brick tension load (kN)	Perforated Brick tension load (kN)	Aerated Concrete tension load (kN)	Bending moment (Nm) galvanized steel	Bending moment (Nm) stainless steel
MQL 8	¹⁾ 1.8	¹⁾ 0.9	¹⁾ 0.7	¹⁾ 0.4	¹⁾ 0.4	¹⁾ 0.45	¹⁾ 4,6	¹⁾ 4,25
MQL 10	¹⁾ 2.0	1.0	0.9	0.6	0.6	0.5	⁵⁾ 8,7	⁵⁾ 8,2

¹⁾ Not part of the ETA assessment, MUNGO lab tested

INSTALLATION



MQL-ST Universal Nylon Frame Plug with screw T30 / T40

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s		[FS]	[SK]	
1060100 ¹⁾	8	80	10	6	85	T30	100 [51]	600 [32]	14400
1060101 ¹⁾	8	100	30	6	105	T30	100 [51]	600 [32]	14400
1060102 ¹⁾	8	120	50	6	125	T30	100 [51]	600 [32]	14400
1060104 ¹⁾	8	140	70	6	145	T30	100 [51]	600 [32]	14400
1060106 ¹⁾	8	160	90	6	165	T30	50 [51]	300 [32]	7200
1060108	10	80	10	7	85	T40	100 [51]	600 [32]	14400
1060110	10	100	30	7	105	T40	50 [51]	300 [32]	7200
1060112	10	120	50	7	125	T40	50 [51]	300 [32]	7200
1060114	10	140	70	7	145	T40	50 [51]	300 [32]	7200
1060116	10	160	90	7	165	T40	50 [51]	300 [32]	7200
1060118	10	180	110	7	185	T40	50 [51]	300 [32]	7200
1060120	10	200	130	7	205	T40	50 [51]	300 [32]	7200
1060124	10	240	170	7	245	T40	25 [61]	50 [12]	3000
1060128	10	280	210	7	285	T40	25	-	-
1060130	10	300	230	7	305	T40	25	-	-



Setting depth of 70 mm /
¹⁾ Not part of the assessment

01

02

MQL-SS Universal Nylon Frame Plug with hexagon screw

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1060208	10	80	10	7	85	13	100 [51]	600 [32]	14400
1060210	10	100	30	7	105	13	50 [51]	300 [32]	7200
1060212	10	120	50	7	125	13	50 [51]	300 [32]	7200
1060214	10	140	70	7	145	13	50 [51]	300 [32]	7200
1060216	10	160	90	7	165	13	50 [51]	300 [32]	7200
1060218	10	180	110	7	185	13	50 [51]	300 [32]	7200
1060220	10	200	130	7	205	13	50 [51]	300 [32]	7200
1060224	10	240	170	7	245	13	25 [61]	50 [12]	3000
1060228	10	280	210	7	285	13	25	-	-
1060230	10	300	230	7	305	13	25	-	-



Stainless steel A4 on request /
 Setting depth of 70 mm

03

04

MQLK-STB Universal Nylon Frame Plug with collar and hexagon screw

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1060308	10	80	10	7	85	13	50 [51]	300 [32]	7200
1060310	10	100	30	7	105	13	50 [51]	300 [32]	7200
1060312	10	120	50	7	125	13	50 [51]	300 [32]	7200



Setting depth of 70 mm

05

Nylon plugs

MQL-STr Universal Nylon Frame Plug with screw T30 / T40, stainless steel A4

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s		[FS]	[SK]	
1070100 ¹⁾	8	80	10	6	85	T30	100 [51]	600 [32]	14400
1070101 ¹⁾	8	100	30	6	105	T30	100 [51]	600 [32]	14400
1070102 ¹⁾	8	120	50	6	125	T30	100 [51]	600 [32]	14400
1070104 ¹⁾	8	140	70	6	145	T30	100 [51]	600 [32]	14400
1070106 ¹⁾	8	160	90	6	165	T30	50 [51]	300 [32]	7200
1070108	10	80	10	7	85	T40	100 [51]	600 [32]	14400
1070110	10	100	30	7	105	T40	50 [51]	300 [32]	7200
1070112	10	120	50	7	125	T40	50 [51]	300 [32]	7200
1070114	10	140	70	7	145	T40	50 [51]	300 [32]	7200
1070116	10	160	90	7	165	T40	50 [51]	300 [32]	7200
1070118	10	180	110	7	185	T40	50 [51]	300 [32]	7200
1070120	10	200	130	7	205	T40	50 [51]	300 [32]	7200
1070124	10	240	170	7	245	T40	25 [61]	50 [12]	3000
1070128	10	280	210	7	285	T40	25	-	-
1070130	10	300	230	7	305	T40	25	-	-



Setting depth of 70 mm /
¹⁾ Not part of the assessment

06

07

MQLK-STBr Universal Nylon Frame Plug with collar and hexagon screw, stainless steel A4

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1070308	10	80	10	7	85	13	50 [51]	300 [32]	7200
1070310	10	100	30	7	105	13	50 [51]	300 [32]	7200



Setting depth of 70 mm

08

MB Frame Plug for softer materials



BUILDING MATERIALS



APPLICATIONS

Facade fixings, Profiles, Substructures, Frames



FEATURES

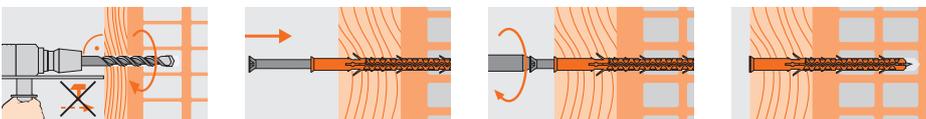
- Assessed for multiple use in concrete and masonry for non-structural applications
- Assessment of resistance under fire exposure R90 for fastening of façade systems
- Assessed and suitable for applications in perforated brick, masonry and aerated concrete
- Aerated Concrete: Drill-Ø 9 mm, setting depth 90 mm
- MB with extended expansion zone for optimum applications in low density materials and hollow brick
- Knock-in protection prevents premature expansion while installing
- Wings stop the plug rotating in the drill hole
- Oversize plugs moulded in one-piece up to the overall length of 300 mm
- Plug made from high-quality polyamide PA 6
- Through fixing
- Indoor (zinc plated) and outdoor (stainless steel) applications

TECHNICAL DATA

	Concrete ≥ C16/20 tension load (kN)	Brick tension load (kN)	Calcium Silicate Brick tension load (kN)	Perforated Brick tension load (kN)	Aerated Concrete tension load (kN)	Bending moment (Nm) galvanized steel	Bending moment (Nm) stainless steel
MB 8	¹⁾ 0.9	¹⁾ 0.4	¹⁾ 0.1	¹⁾ 0.15	¹⁾ 0.45	¹⁾ 4,6	¹⁾ 4,25
MB 10	1.0	0.6	0.11	0.2	0.5	8.7	8.2

¹⁾ Not part of the ETA assessment, MUNGO lab tested

INSTALLATION



MB-ST Nylon Frame Plug with screw T30 / T40

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{\text{plug}} = d_0$	L	t_{in}	d_s	L_s		[FS]	[SK]	
1122100 ¹⁾	8	80	10	6	85	T30	100 [51]	600 [32]	14400
1122101 ¹⁾	8	100	30	6	105	T30	100 [51]	600 [32]	14400
1122102 ¹⁾	8	120	50	6	125	T30	100 [51]	600 [32]	14400
1122104 ¹⁾	8	140	70	6	145	T30	100 [51]	600 [32]	14400
1122108	10	80	10	7	85	T40	100 [51]	600 [32]	14400
1122110	10	100	30	7	105	T40	50 [51]	300 [32]	7200
1122112	10	120	50	7	125	T40	50 [51]	300 [32]	7200
1122114	10	140	70	7	145	T40	50 [51]	300 [32]	7200
1122116	10	160	90	7	165	T40	50 [51]	300 [32]	7200
1122120	10	200	130	7	205	T40	50 [51]	30 [32]	7200
1122124	10	240	170	7	245	T40	25 [61]	50 [12]	3000
1122128	10	280	210	7	285	T40	25	-	-
1122130	10	300	230	7	305	T40	25	-	-



¹⁾ Not part of the assessment

MB-SS Nylon Frame Plug with hexagon screw

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1121908	10	80	10	7	85	13	100 [51]	600 [32]	14400
1121910	10	100	30	7	105	13	50 [51]	300 [32]	7200
1121912	10	120	50	7	125	13	50 [51]	300 [32]	7200
1121914	10	140	70	7	145	13	50 [51]	300 [32]	7200
1121916	10	160	90	7	165	13	50 [51]	300 [32]	7200
1121920	10	200	130	7	205	13	50 [51]	300 [32]	7200
1121924	10	240	170	7	245	13	25 [61]	50 [12]	3000
1121928	10	280	210	7	285	13	25	-	-
1121930	10	300	230	7	305	13	25	-	-



01

MBK-STB Nylon Frame Plug with collar and hexagon screw

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1120608	10	80	10	7	85	13	50 [51]	300 [32]	7200
1120610	10	100	30	7	105	13	50 [51]	300 [32]	7200
1120612	10	120	50	7	125	13	50 [51]	300 [32]	7200



02

03

MB-STr Nylon Frame Plug with screw T30 / T40, stainless steel A4

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	t_{ex}	d_s	L_s		[FS]	[SK]	
1136908 ¹⁾	8	80	10	6	85	T30	100 [51]	600 [32]	14400
1136910 ¹⁾	8	100	30	6	105	T30	100 [51]	600 [32]	14400
1136912 ¹⁾	8	120	50	6	125	T30	100 [51]	600 [32]	14400
1136914 ¹⁾	8	140	70	6	145	T30	100 [51]	600 [32]	14400
1137208	10	80	10	7	85	T40	100 [51]	600 [32]	14400
1137210	10	100	30	7	105	T40	50 [51]	300 [32]	7200
1137212	10	120	50	7	125	T40	50 [51]	300 [32]	7200
1137214	10	140	70	7	145	T40	50 [51]	300 [32]	7200
1137216	10	160	90	7	165	T40	50 [51]	300 [32]	7200
1137220	10	200	130	7	205	T40	50 [51]	300 [32]	7200
1137224	10	240	170	7	245	T40	25 [61]	50 [12]	3000
1137228	10	280	210	7	285	T40	25	-	-
1137230	10	300	230	7	305	T40	25	-	-



04

05

Nylon plugs

¹⁾ Not part of the assessment

MB-SSr Nylon Frame Plug with hexagon screw, stainless steel A4

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1135208	10	80	10	7	85	13	100 [51]	600 [32]	14400
1135210	10	100	30	7	105	13	50 [51]	300 [32]	7200
1135212	10	120	50	7	125	13	50 [51]	300 [32]	7200
1135214	10	140	70	7	145	13	50 [51]	300 [32]	7200
1135216	10	160	90	7	165	13	50 [51]	300 [32]	7200
1135220	10	200	130	7	205	13	50 [51]	300 [32]	7200



06

MBK-STBr Nylon Frame Plug with collar and hexagon screw, stainless steel A4

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_0$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1136208	10	80	10	7	85	13	50 [51]	300 [32]	7200
1136210	10	100	30	7	105	13	50 [51]	300 [32]	7200



07

08

MBR Frame Plug for solid materials

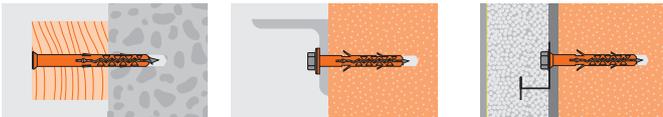


BUILDING MATERIALS



APPLICATIONS

Facade fixings, Profiles, Substructures, Frames



FEATURES

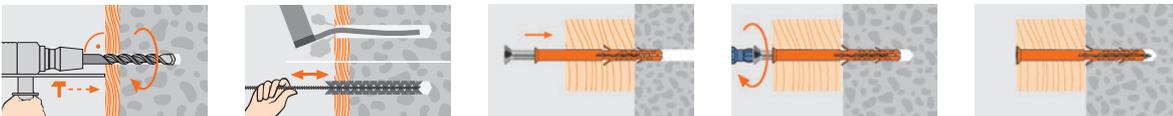
- Assessed for multiple use in concrete and masonry for non-structural applications
- Assessment of resistance under fire exposure R90 for fastening of façade systems
- Assessed and particularly suitable for applications in solid materials
- Knock-in protection prevents premature expansion while installing
- Less drilling - faster installation
- MBR with an expansion zone of 50 mm for a faster installation
- MBRK helps to avoid cold transmission and contact corrosion between different materials
- Wings stop the plug rotating in the drill hole
- Plug made from high-quality polyamide PA 6
- Through fixing
- Indoor (zinc plated) and outdoor (stainless steel) applications

TECHNICAL DATA

	Concrete ≥ C16/20 tension load (kN)	Brick tension load (kN)	Bending moment (Nm) galvanized steel	Bending moment (Nm) stainless steel
MBR 8	¹⁾ 0.35	¹⁾ 0.3	¹⁾ 4.6	¹⁾ 4.25
MBR 10	0.6	¹⁾ 0.4	8.7	8.2

¹⁾ Not part of the ETA assessment, MUNGO lab tested

INSTALLATION



MBR-ST Nylon Frame Plug with screw T30 / T40

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s		[FS]	[SK]	
1122000 ¹⁾	8	80	30	6	85	T30	100 [51]	600 [32]	14400
1122001 ¹⁾	8	100	50	6	105	T30	100 [51]	600 [32]	14400
1122002 ¹⁾	8	120	70	6	125	T30	100 [51]	600 [32]	14400
1122004 ¹⁾	8	140	90	6	145	T30	100 [51]	600 [32]	14400
1122006	10	60	10	7	65	T40	100 [51]	600 [32]	14400
1122008	10	80	30	7	85	T40	100 [51]	600 [32]	14400
1122010	10	100	50	7	105	T40	50 [51]	300 [32]	7200
1122012	10	120	70	7	125	T40	50 [51]	300 [32]	7200
1122014	10	140	90	7	145	T40	50 [51]	300 [32]	7200
1122016	10	160	110	7	165	T40	50 [51]	300 [32]	7200
1122020	10	200	150	7	205	T40	50 [61]	300 [32]	7200
1122024	10	240	190	7	245	T40	25 [61]	50 [12]	3000



01

MBR-SS Nylon Frame Plug with hexagon screw

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1121506	10	60	10	7	65	13	100 [51]	600 [32]	14400
1121508	10	80	30	7	85	13	100 [51]	600 [32]	14400
1121510	10	100	50	7	105	13	50 [51]	300 [32]	7200
1121512	10	120	70	7	125	13	50 [51]	300 [32]	7200
1121514	10	140	90	7	145	13	50 [51]	300 [32]	7200
1121516	10	160	110	7	165	13	50 [51]	300 [32]	7200
1121520	10	200	150	7	205	13	50 [61]	300 [32]	7200
1121524	10	240	190	7	245	13	25 [61]	50 [12]	3000



03

MBR-S Nylon Frame Plug with screw Pozi

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s		[FS]	[SK]	
1120906 ¹⁾	6	55	25	4	60	PZ2	100 [51]	1800 [32]	43200



¹⁾ Not part of the assessment

04

MBRK-STB Nylon Frame Plug with collar and hexagon screw

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1120706	10	60	10	7	65	13	100 [51]	600 [32]	14400
1120708	10	80	30	7	85	13	50 [51]	300 [32]	7200
1120710	10	100	50	7	105	13	50 [51]	300 [32]	7200



05

Nylon plugs

MBR-STR Nylon Frame Plug with screw T30 / T40, stainless steel A4

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Drive	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s		[FS]	[SK]	
1125908 ¹⁾	8	80	30	6	85	T30	100 [51]	600 [32]	14400
1125910 ¹⁾	8	100	50	6	105	T30	100 [51]	600 [32]	14400
1125912 ¹⁾	8	120	70	6	125	T30	100 [51]	600 [32]	14400
1125914 ¹⁾	8	140	90	6	145	T30	100 [51]	600 [32]	14400
1137106	10	60	10	7	65	T40	100 [51]	600 [32]	14400
1137108	10	80	30	7	85	T40	100 [51]	600 [32]	14400
1137110	10	100	50	7	105	T40	50 [51]	300 [32]	7200
1137112	10	120	70	7	125	T40	50 [51]	300 [32]	7200
1137114	10	140	90	7	145	T40	50 [51]	300 [32]	7200
1137116	10	160	110	7	165	T40	50 [51]	300 [32]	7200
1137120	10	200	150	7	205	T40	50 [61]	300 [32]	7200
1137124	10	240	190	7	245	T40	25 [61]	50 [12]	3000



¹⁾ Not part of the assessment

06

MBR-SSr Nylon Frame Plug with hexagon screw, stainless steel A4

Article code	Plug and drill Ø mm	Length mm	Usable length mm	Screw Ø mm	Screw length mm	Wrench size	Unit content	Outer carton quantity	Pallet quantity
	$d_{nom} = d_s$	L	t_{ex}	d_s	L_s	SW	[FS]	[SK]	
1135106	10	60	10	7	65	13	100 [51]	600 [32]	14400
1135108	10	80	30	7	85	13	100 [51]	600 [32]	14400
1135110	10	100	50	7	105	13	50 [51]	300 [32]	7200
1135112	10	120	70	7	125	13	50 [51]	300 [32]	7200
1135114	10	140	90	7	145	13	50 [51]	300 [32]	7200
1135116	10	160	110	7	165	13	50 [51]	300 [32]	7200
1135120	10	200	150	7	205	13	5 [61]	300 [32]	7200



08

MGD Scaffold Plug

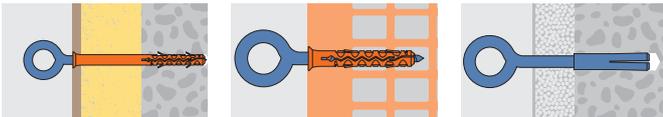


BUILDING MATERIALS



APPLICATIONS

Facade scaffolds, Climbing scaffolds, Tensioning ropes



FEATURES

- ⦿ Economical solution for light to medium weight scaffolds
- ⦿ Welded screw for safe fixing according to DIN 4420
- ⦿ Tension force of eyelet: 26 kN (DIN EN 10002-1: 1991-04)
- ⦿ Setting depth mark for correct installation
- ⦿ Easy installation due to knock-in protection and plug collar
- ⦿ End Cap for clean closure after dismantling
- ⦿ Plug made from high-quality polyamide PA 6
- ⦿ Temporary outdoor applications

TECHNICAL DATA

	Concrete, non-cracked C20/25 tension load (kN)	Brick tension load (kN)	Perforated Brick tension load (kN)
MGD	5	4,5	1,6
MGVm (mit MEA)	5,3	-	-

Without hammer drilling in perforated brick and lightweight concrete / safety factor 3 / 1 kN = 100 kg

INSTALLATION



MGD Scaffold Plug

Article code	Plug and drill Ø	Length	Fit to MGV Scaffold Screw		Unit content	Outer carton quantity	Pallet quantity
	mm		mm	mm			
	$d_{nom} = d_0$	L	L_s	L_s	[FS]	[SK]	
1131407	14	70	90-550		50 [A1]	450 [B2]	27000
1131410	14	100	120-550		50 [B1]	300 [B2]	18000
1131414	14	140	160-550		25 [B1]	150 [B2]	9000



01

MGV Scaffold Screw

Article code	Shank Ø	Shank length	Usable length	Hole Ø	Unit content	Outer carton quantity	Pallet quantity
	mm						
	d_s	L_s	t_{ex}	d_w			
1131209	12	90	15	25	25	75	4500
1131212	12	120	45	25	25	75	4500
1131216	12	160	85	25	25	75	4500
1131219	12	190	115	25	20	60	3600
1131223	12	230	155	25	10	20	2400
1131227	12	270	195	25	10	-	-
1131230	12	300	225	25	10	-	-
1131235	12	350	275	25	10	-	-
1131240	12	400	325	25	10	-	-
1131245	12	450	375	25	10	-	-
1131250	12	500	425	25	10	-	-
1131255	12	550	475	25	10	-	-



02

MVS End Cap for Scaffold Plug

Article code	Inner plug Ø of the installed plug	Length	Unit content	Outer carton quantity	Pallet quantity
	mm				
	d_s	L_s	[FS]	[SK]	
1121090	10-12	40	100 [A1]	900 [B2]	54000



Further dimensions on request

03

04

MGVm Scaffold Screw with metric thread, steel quality 5.8

Article code	Shank Ø	Shank length	Usable length with MEA	Hole Ø	Unit content	Outer carton quantity	Pallet quantity
	mm						
	d_s	L_s	t_{ex}	d_w			
1131508	12	80	65	23	25	75	4500
1131510	12	100	85	23	25	75	4500
1131512	12	120	105	23	25	75	4500
1131522	12	220	205	23	10	20	2400



In connection with MUNGO Drop in Anchor MEA-X M12, corresponding DIN 4420

05

Nylon plugs

06

07

08

Modular PACKING SYSTEM

We pack the majority of our products in just 9 different folding boxes and 3 collective cartons. This enables an optimal combination of products for shipping.

There are various combinations, which can easily be taken from the table.

All packaging quantities are coded accordingly in the product tables so that the dimensions and quantities can be easily determined.

THE ADVANTAGES AT A GLANCE

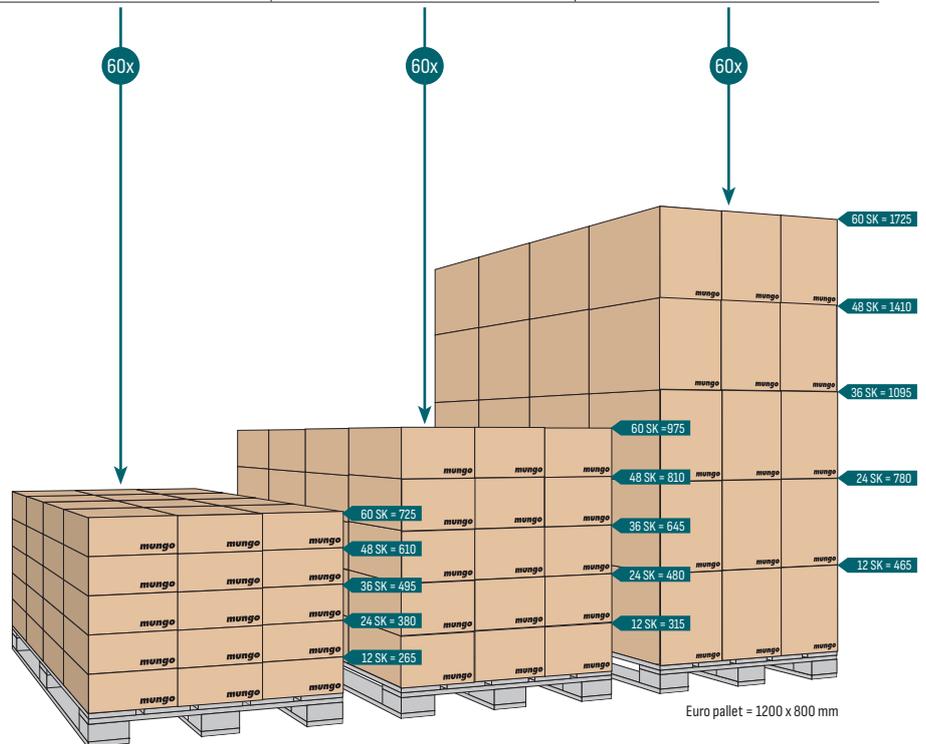
- ⦿ Optimized appearance thanks to the uniform width of the boxes
- ⦿ Greater stability thanks to new design
- ⦿ Packaging tailored to MUNGO products
- ⦿ Folding boxes are always compatible with at least two larger packaging units



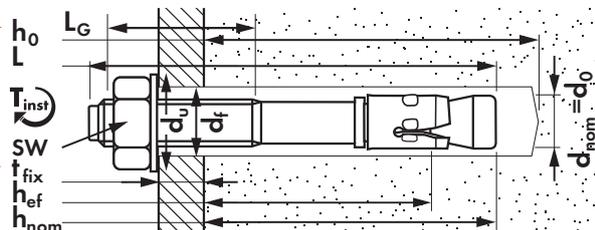
	FS 1/4	97 x 128 x 49 mm	-	18x	36x
	FS 01	97 x 64 x 75 mm	-	24x	48x
	FS 11	97 x 64 x 150 mm	-	12x	24x
	FS 21	97 x 85 x 150 mm	-	9x	18x
	FS 31	97 x 128 x 150 mm	-	6x	12x
	FS 41	97 x 100 x 256 mm	3x	-	9x
	FS 51	97 x 150 x 256 mm	-	3x	6x
	FS 61	97 x 128 x 292 mm	2x	-	6x

		
SK 12	SK 21	SK 32
265 x 115 x 300 mm	265 x 165 x 300 mm	265 x 315 x 300 mm

50	61	300	32	1440
25	61	50	12	720
50	61	300	32	3000
25	61	50	12	7200
50	61	300	32	3000
25	61	50	12	7200



80	80	30
100	100	50
120	120	70
140	140	90





MUNGO Befestigungstechnik AG
Webereiweg 6
4802 Strengebach / Switzerland
Phone +41 62 206 75 75
mungo@mungo.swiss

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The Swiss way of fixing.