





Wall plugs

TP
 Plug Ø 5.5-20 mm
 Colour Code System

x



High performance plugs

Grep
 Plug Ø 10 mm

x



Nail plugs

TPS
 Plug Ø 4-8 mm

x



Clip plugs

TCP
 Plug Ø 5.5 mm

x



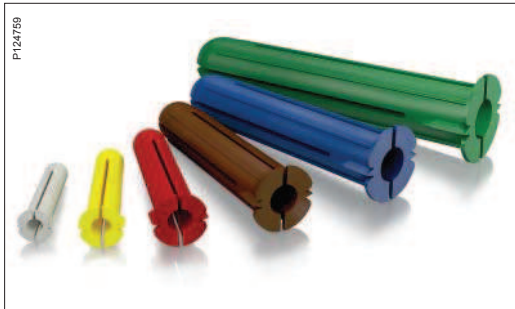
Universal plugs

QUICKI, TPN
 Plug Ø 6-8 mm

x

Wall plugs

Thorsman TP™



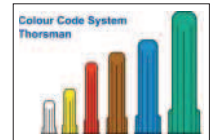
Description

TP is a wall plug of polythene for light-weight installations in most building materials. The plug is especially suitable for installations where shear loads are dominating. For mounting where pull-out loads dominate, or by high temperatures, metal fixings are recommended.

TP has a smooth surface to get high friction against the wall of the hole. Four slits spread the radial expansion in all dimensions.

The wall plug has a collar and wings to prevent the plug from rotating and disappearing into the hole.

TP has a unique Colour Code™ to identify each plug size. This Colour Code has been registered as a trade mark in all EU countries and in Norway. The Colour Code is printed on the cartons.

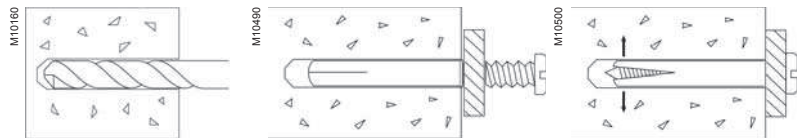


Material data

Material	HDPE (polyethylene HD).
Colours	White, yellow, red, brown, blue, green, grey, orange.

Operative data

Temperature range	-50°C to +80°C
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Drill the hole in accordance with the table and install the plug. In plasterboard – make a hole using a drill or an awl. The hole should be a press fit for the plug. Use TP1 yellow for a single sheet and TP2 red for double sheets.

Fix with a screw long enough to penetrate through the whole length of the plug and fixture.

The installation is ready and the screw has expanded the plug in a correct way.






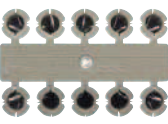
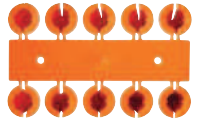







Technical data

TP type	Drill diameter		Min. drill depth	Wood screw	Practical loading cap. with biggest screw		
	Concrete	Low-density ²⁾ concrete			Shear load/Pull-out load ¹⁾		
	mm	mm			Concrete C25	Solid brick	Low-density ²⁾ concrete 500 and expanded clay
	mm	mm	Ø mm	kN ³⁾	kN ³⁾	kN ³⁾	
TP0	5.5	—	20	3.5–5	0.4/0.15	0.3/0.15	—
TP1	5.5	5	25	3.5–5	0.5/0.25	0.4/0.2	0.1/0.04
TP2	5.5	5	40	3.5–5	0.6/0.4	0.5/0.3	0.15/0.04
TP2B	8	7	45	5–6	1.2/0.8	0.7/0.4	0.25/0.1
TP3	10	9	50	5–7	1.4/1.0	—	0.3/0.15
TP4	12	10	65	8–10	3.0/2.0	—	0.5/0.25
TP 14	14	—	78	10–12	4.0/2.5	—	—
TP 16	16	—	88	12	5.0/3.0	—	—
TP 6x30	6	6	35	3.5–5	0.6/0.4	0.5/0.3	0.2/0.08

¹⁾ Safety factor 4.5 for shear and 6 for pull-out load.

²⁾ Low-density concrete might also be called lightweight or aerated concrete.

³⁾ 1 kN ≈ 100 kg.

Range							
Type	Colour	Dimensions Ø/L (mm)	Qty per package	EAN code	Ref. No.		
Double-expanding, easy-to-install wall plug, colour coded for easy size identification. To be used in applications where shear loads dominate. Suitable for concrete, stone, low-density concrete, expanded clay, hollow bricks and blocks, solid bricks and plasterboard. Material: Polyethylene (HD).							
Plugs on sprue of ten							
P125690		TP0	White	5.5/16.5	100	7315881000005	1000009
P125691		TP1	Yellow	5.5/22	100	7315881001002	1001007
P125692		TP2	Red	5.5/35	100	7315881003006	1003003
P125693		TP2B	Brown	8/40	100	7315881005000	1005008
P125694		TP3	Blue	10/45	10	3606480621539	IMT48002
P130553		TP14	Grey	14/70	10	3606480335037	IMT38063
P138201		TP16	Orange	16/80	10	3606480335044	IMT38064
Single plugs							
P125020		TP0	White	5.5/16.5	500	7315881000012	1000017
P125019		TP1	Yellow	5.5/22	500 100	7315881001026 7315880100003	1001023 1001025
P125018		TP2	Red	5.5/35	250	7315881003013	1003011
P89050		TP 6x30	Red	6/30	100 250	7315881003020 7315880100010	1003020 1003029
P128017		TP2B	Brown	8/40	100	7315881005017	1005016
P125016		TP3	Blue	10/45	100	3606480619489	IMT48000
P125015		TP4	Green	12/60	50	3606480619496	IMT48001

Wall plugs

Thorsman TP™

Range, bulk

Type	Colour	Dimensions Ø/L (mm)	Qty per package	EAN code	Ref. No.
Double-expanding, easy-to-install wall plug, colour coded for easy size identification. To be used in applications where shear loads dominate. Suitable for concrete, stone, low-density concrete, expanded clay, hollow bricks and blocks, solid bricks and plasterboard. In bulk package. Material: Polyethylene (HD).					
Bulk/carton					
TP0	White	5.5/16.5	20000	7315881000708	1000708
TP1	Yellow	5.5/22	20000	7315881001705	1001700
TP2	Red	5.5/35	14000	7315881003709	1003706
Bulk/bag					
TP1	Yellow	5.5/22	50000	7315881001804	1001809
TP2	Red	5.5/35	20000	7315881003808	1003805
TP 6x30	Red	6/30	20000	7315881003815	1003815
TP2B	Brown	8/40	16000	7315881005802	1005800
TP3	Blue	10/45	5000	7315881006809	1006808
TP4	Green	12/60	2500	7315881007806	1007806

P125020

P125019

P125018

P125019

P125018

P88050

P125017

P125016

P125015





Description

The TPH GrepI plug range includes high-performance wall plugs for demanding installations.

The nylon plug has a soft outer skin made of thermoplastic rubber. This outer skin acts as a shock absorber and also greatly improves the performance of the plugs in low-density concrete and softer brick materials.

The range consists of two different plug lengths, both with a diameter of Ø10 mm. The long plug with a length of 110 mm is suitable for through installation, whereas the short plug with a length of 67 mm is suitable for regular plug installation.

Both plugs are provided with a specially designed acid-proof C5M screw, 72 or 115 mm long. The short plug is also available without screw. All screws have a Torx T30 recess.

The plugs are suitable for concrete, stone, low-density concrete, expanded clay (Leca), hollow blocks, hollow bricks and solid bricks.

Benefits

- High load values
- Easy to install
- Self-centering design of the screw
- Varying temperature range
- Shock-absorbing design
- Soft outer thermoplastic skin prevents rotation
- Acid proof C5M stainless steel screw with Torx T30 recess

Material data

Material outer	PA6 (Polyamide 6) with TPR (Thermoplastic rubber) skin
Temperature range	From -20 to +60°C.

Installation

We recommend the use of a hammer drill bit in concrete, but in low-density concrete a regular drill bit should be used. Clean the hole before inserting the plug. TPH GrepI plugs can be used both as a regular plug (see Fig. 1) and for through installation (see Fig. 2). The screw installs manually or with a cordless screw-driver using a T30 bit.

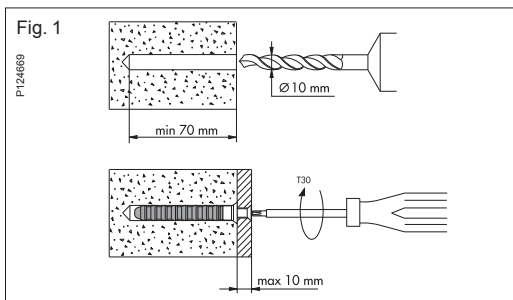


Fig. 1:

- Minimum drill depth 70 mm when using the short 72 mm screw and an object of maximum 10 mm thickness. Adjust the drill depth accordingly if the object is thinner than 10 mm.
- Minimum drill depth 70 mm when using the long 115 mm screw and an object of maximum 45 mm thickness. Adjust the drill depth accordingly if the object is thinner than 45 mm.

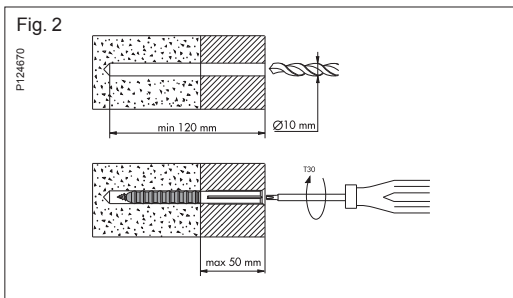





Fig. 2:

Through installation: The drill depth plus the thickness of the object must be minimum 120 mm.

Technical data						Recommended load ¹⁾			
Type	Plug Ø x plug length mm	Drill Ø mm	Min. drill depth mm	Min. drill depth incl. fixture mm	Max. thickness of fixture mm	Concrete C25		Low-density ²⁾ concrete (500 grade) and expanded clay	
						Pull-out kN	Shear kN	Pull-out kN	Shear kN
IMT39081	TPH-10x67WS	10	70		10	0.8	1.0	0.6	0.7
IMT39082	TPH-10x67WS	10	70		10	0.8	1.0	0.6	0.7
IMT39083	TPH-10x67WLS	10	70		45	0.8	0.3	0.6	0.3
IMT39084	TPH-10x67	10	70		-	-	-	-	-
IMT39085	TPH-10x110WS	10		120	50	0.8	0.3	0.6	0.3
IMT39086	TPH-10x110WS	10		120	50	0.8	0.3	0.6	0.3

¹⁾ Safety factor for pull-out load 3 and shear load 2.5.
²⁾ Low-density concrete might also be called lightweight or aerated concrete.

Range

Type	Screw length (mm)	Colour	Dimensions Ø/length (mm)	Qty per package	EAN code	Ref. No.	
Plug with screw							
High-performance plug with specially designed acid-proof C5M screw. Suitable for regular plug installations. Material: PA/TPR.							
P117749 	TPH-10x67WS	72	Green/black	Ø10/67	4	3606480302145	IMT39081
	TPH-10x67WS	72	Green/black	Ø10/67	20	3606480302152	IMT39082
	TPH-10x67WLS	115	Green/black	Ø10/67	20	3606480302169	IMT39083
High-performance plug with specially designed acid-proof C5M screw. Suitable for through-installations. Material: PA/TPR.							
P117750 	TPH-10x110WS	115	Green/black	Ø10/110	4	3606480302183	IMT39085
	TPH-10x110WS	115	Green/black	Ø10/110	20	3606480302190	IMT39086
Plug without screw							
High-performance plug without screw. Suitable for regular plug installations. Material: PA/TPR.							
P117748 	TPH-10x67	—	Green/black	Ø10/67	20	3606480302176	IMT39084

Nail plugs Thorsman TPS



Description

Thorsman TPS is a range of nail plugs for all types of through installation.

Applications

All types of through installation, such as electrical trunking, switches, battens and cable clamps.

Suitable for concrete, stone, low-density concrete, expanded clay, hollow blocks and bricks, solid bricks and plasterboard.

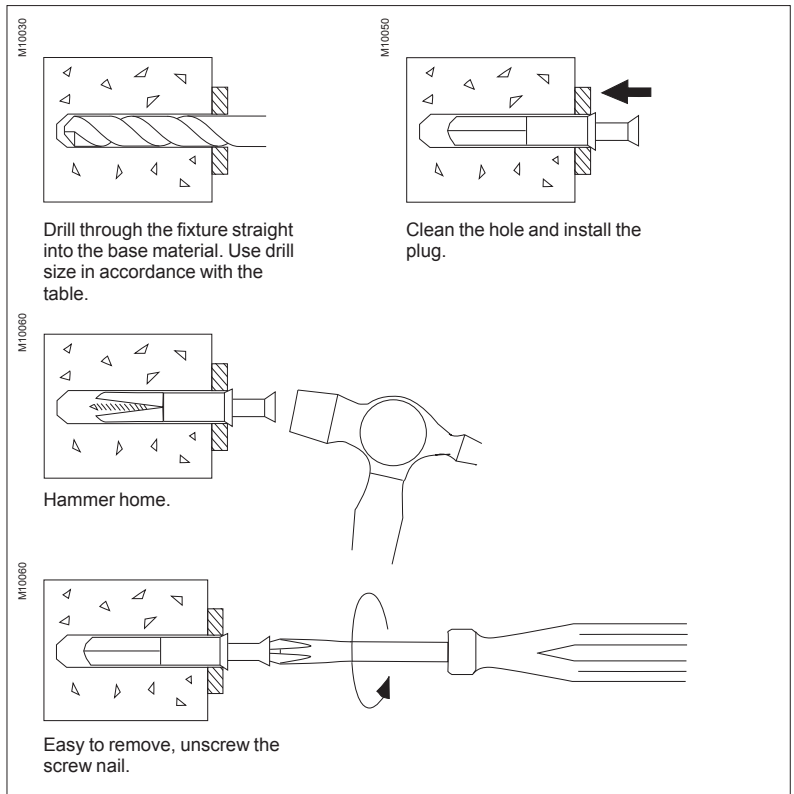
Benefits

- Removable hammer-in fixing
- Fast installation
- Powerful expansion – high load values
- Complete range for electrical installations
- Through fixing

Material and operative data

Plug	PA (polyamide)
Screw nail	Steel, electroplated
Temperature range	From -40° to +80°C

Installation



Technical data (1 kN approx. 100 kg)

Type Drill Ø/max. fixture thickness x plug length mm	Plug Ø mm	Screw nail Ø mm	Min. drill depth including fixture mm	Max. thickness of fixture mm	Recommended load Shear/pull-out ¹⁾		
					Concrete C25 kN	Solid brick kN	Low-density ²⁾ concrete (500 grade) and expanded clay, kN
TPS-4/5x25	4	2.5	30	5	0.15/0.05	0.15/0.05	—
TPS-4/15x35	4	2.5	40	15	0.15/0.05	0.15/0.05	—
TPS-5/5x35	5	3	42	5	0.3/0.1	0.3/0.1	—
TPS-5/20x50	5	3	57	20	0.3/0.1	0.3/0.1	—
TPS-6/5x35	6	3.5	42	5	0.4/0.2	0.4/0.2	0.1/0.07
TPS-6/20x50	6	3.5	57	20	0.4/0.2	0.4/0.2	0.1/0.07

¹⁾ Safety factor 4.5 for shear and 6 for pull-out load.

²⁾ Low-density concrete might also be called lightweight or aerated concrete.

Nail plugs

Thorsman TPS

Range

Type	Colour	Dimensions Ø/Length (mm)	Qty per package	EAN code	Ref. No.
Nail plug for all types of through installation, such as electrical trunking, switches, battens, cable clamps, door and window frames. Suitable for concrete, stone, low-density concrete, expanded clay, hollow blocks and bricks, solid bricks and plaster-board.					
Material: PA (polyamide).					
TPS-4/5x25	Clear	Ø7/45	100	7315881149308	IMT1149301
TPS-4/15x35	Clear	Ø7/55	100	7315881149353	1149350
TPS-5/5x35	Clear	Ø10/60	100	7315881149605	1149608
TPS-5/20x50	Clear	Ø10/75	100	7315881149704	1149707
TPS-6/5x35	Clear	Ø10/60	100	7315881150007	1150002
TPS-6/20x50	Clear	Ø10/75	100	7315880100027	1150051

P125699

P125701
P125704

Clip plugs Thorsman TCP



Description

Thorsman TCP is a range of clip plugs for the installation of cable clips and nails.

Applications

Installations of TC clips, TKK/APK clamps and nails.

Suitable for concrete, stone, low-density concrete, expanded clay, solid bricks and plasterboard.

Benefits

- Permits nailing of clips and clamps in masonry materials

Material and operative data

Material	PS (polystyrene, impact-resistant)
Temperature range	From -40° to +70°C

Installation

In light-weight concrete, simply hammer in the clip plug. If the surface is plastered, filled or painted – make the start of a hole first.

In concrete, brick and other hard materials, drill first.

In single plasterboard sheets, make a hole with an awl. In double plasterboard sheets, it is sufficient to start a hole.

Range

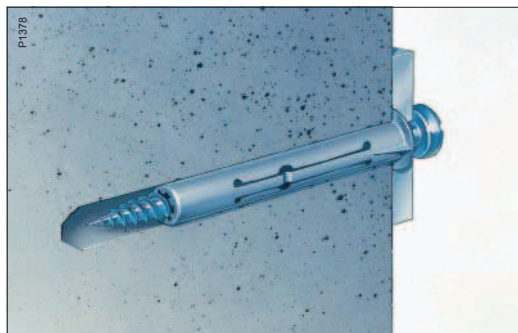
Type	Drill Ø	Colour	Dimensions Ø/Length (mm)	Qty per package	EAN code	Ref. No.
Clip plug for the installation of cable clips and nails. Suitable for concrete, stone, low-density concrete, expanded clay, solid bricks and plasterboard. Material: PS (polystyrene).						
TCP-0	5.5	White	7.5/18	100	7315881140008	1140003
TCP-1	5.5	Yellow	7.5/25	100	7315881141005	1141001

P125428
P60845



Universal plugs

Thorsman QUICKI™ TPN



Description

Thorsman QUICKI TPN is a range of universal wall plugs with fully threaded screws for all types of building material.

Applications

TPN can be used in most situations where shear loads are dominating. Suitable for concrete, natural stone, low-density concrete 500 (not in porous low-density concrete 400-450), expanded clay, hollow blocks and bricks, solid bricks and plasterboard.

Benefits

- Universal fixing providing great expansion and secure fixing in all building materials
- Both fixing and screw included in the package
- Fully threaded screw – even thin objects can be fixed
- Two sizes cover all situations

Material and operative data

Material	Fixing: Modified PA (polyamide)
	Screw: Steel, hardened and bright galvanized
Temperature range	From -20° to +80°C

Range

PT7786



Type	Colour	Dimensions Ø/Length (mm)	Qty per package	EAN code	Ref. No.
Universal wall plug including fully threaded screw, for all types of building material. Suitable for concrete, natural stone, low-density concrete 500 (not in porous low-density concrete 400-450), expanded clay, hollow blocks and bricks, solid bricks and plasterboard. Material: PA (polyamide) and steel.					
TPN-6x35	Grey	6/35	25	7315881051007	1051007
TPN-8x50	Grey	8/50	25	7315881052004	1052004

Technical data (1 kN approx. 100 kg)

Type Ø x length mm	Screw size Ø x L mm	Drill Ø mm	Min. drill depth mm	Max. thickness of fixture mm	Min. board thickness mm	Recommended load: Shear/pull-out ¹⁾			
						Concrete C25 N	Low-density ²⁾ con-crete 500 and ex-panded clay, N	Plasterboard 13 mm N	Plasterboard 2x13=26 mm N
TPN-6x35	4x50	6	50	16	9	500/100	200/60	180/60	260/80
TPN-8x50	5x60	8	60	12	3	600/150	250/80	200/60	350/140

¹⁾ Safety factor 4.5 for shear and 6 for pull-out load.

²⁾ Low-density concrete might also be called lightweight or aerated concrete.