

Basic Data

Suitable for

Concrete, stone, lightweight concrete, expanded clay, hollow blocks, hollow bricks, solid bricks and plasterboard.

Applications

For most installation work in which shear forces dominate. Where pull-out forces dominate or where high temperatures are generated, as at light fittings against ceilings, for instance, one of our metal fixings is recommended.

Advantages

- Double expanding
- High load values
- Easy to install
- Recognisable Colour Code System™
- Self centering design for screw
- Varying temperature range.

Material

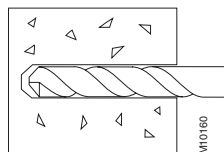
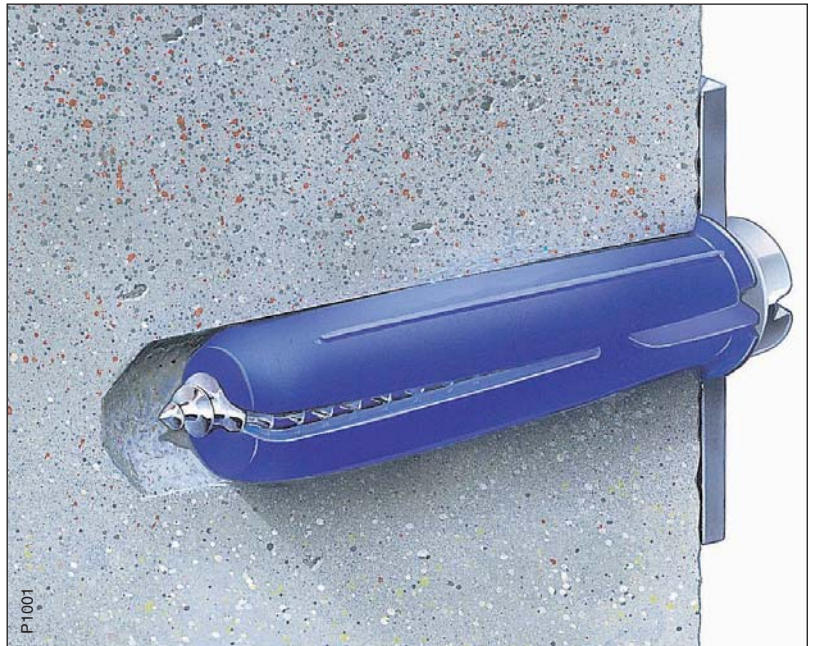
PE (polyethylene HD).

Temperature Range

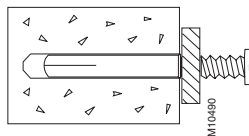
- 50 to + 80 °C.

Packaging

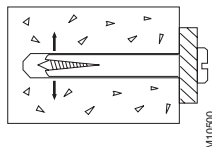
Colour coded boxes, cardboard carton.





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 TP 1 yellow for a single sheet and TP 2 red for double sheets.



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



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

Range	Type	Colour	Qty/Pack	Art. No.
On sprue of ten				
	TP 0	White	100	1000 009
	TP 1	Yellow	100	1001 007
	TP 2	Red	100	1003 003
	TP 2B	Brown	100	1005 008
	TP 3	Blue	100	1006 006
	TP 10	Blue	100	1006 014
	TP 4	Green	100	1007 004
	TP 12	Green	100	1007 012
	TP 14	Grey	50	1008 002
	TP 16	Orange	50	1009 000
	TP 20	Black	20	1010 008
Single plugs				
	TP 0	White	500	1000 017
	TP 1	Yellow	500	1001 023
	TP 2	Red	250	1003 011
	TP 2B	Brown	100	1005 016
	TP 5×25	Yellow	100	1001 025
			500	1001 031
	TP 6×30	Red	100	1003 020
			250	1003 029
	TP 8×45	Brown	100	1005 032

Technical data
(1 kN = 100 kg)

Type	Drill diameter in mm		Min. drill depth/Min. screwing in depth, mm	Wood screw Ø mm	Recommended load ¹⁾ using largest screw Shear/pull-out		
	Concrete + brick	ALC Concrete			Concrete (strength 25 N/mm) kN	Solid brick kN	Low density concrete (500 grade) and expanded clay kN
TP 0	5.5	–	20	3.5–5	0.4/0.15	0.3/0.15	–
TP 1	5.5	5	25	3.5–5	0.5/0.25	0.4/0.2	0.1/0.04
TP 5×25	5	5	25	3.5–5	0.5/0.25	0.4/0.2	0.1/0.04
TP 2	5.5	5	40	3.5–5	0.6/0.4	0.5/0.3	0.15/0.05
TP 6×30	6	6	35	3.5–5	0.6/0.4	0.5/0.3	0.2/0.08
TP 2B	8	7	45	5–6	1.2/0.8	0.7/0.4	0.25/0.1
TP 8×45	8	7	45	5–6	1.2/0.8	0.7/0.4	0.25/0.1
TP 3	10	9	50	5–7	1.4/1.0	–	0.3/0.15
TP 10	10	9	50	5–7	1.4/1.0	–	0.3/0.15
TP 4	12	10	65	8–10	3.0/2.0	–	0.5/0.25
TP 12	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 20	20	–	108	16	6.0/4.5	–	–

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

Basic Data

Suitable for

Concrete, stone, low density concrete, expanded clay, hollow blocks, hollow bricks, solid bricks and plasterboard.

Applications

For all types of through installation, such as electrical trunking, switches, battens, clamps and door and window frames.

Advantages

- Hammer-in fixing
- Fast installation
- Powerful expansion – large load values
- Complete range for electrical and building work
- Through fixing

Material

Plug in PA (polyamide), screws nail in steel.

Temperature Range

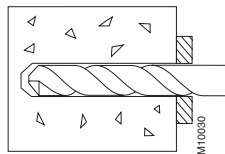
– 40 to + 80 °C.

Accessories

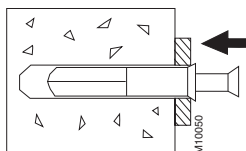
Caps available to cover the nail head.

Packaging

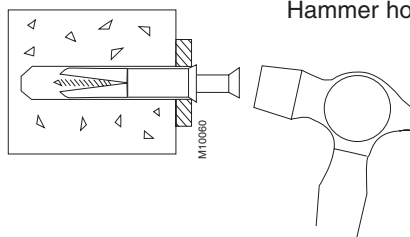
Cardboard caton.



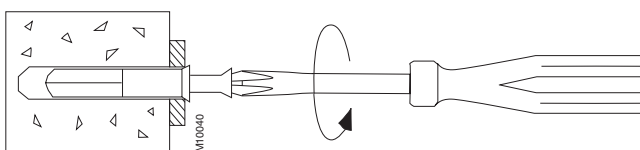
Drill through the fixture straight into the base material. Use drill size in accordance with the table.




Clean the hole and install the plug.



Hammer home.



Easy to remove: Unscrew the screw-nail.

Range	Type Drill Ø/Max. fixture thickness Plug length mm	Colour	Qty/Pack	Art. No.	
Nailplug					
	TPS-4/5×25	Clear	100	1149 301	
	TPS-4/15×35	Clear	100	1149 350	
	TPS-5/5×35	Clear	100	1149 608	
	TPS-5/5×35	Black	100	1149 616	
	TPS-5/5×35	Brown	100	1149 624	
	TPS-5/20×50	Clear	100	1149 707	
	TPS-5/20×50	Black	100	1149 715	
	TPS-6/5×35	Clear	100	1150 002	
	TPS-6/5×35	Black	100	1150 010	
	TPS-6/20×50	Clear	100	1150 051	
	TPS-6/45×75	Clear	100	1150 101	
	TPS-8/15×50	Clear	50	1150 150	
	TPS-8/40×75	Clear	50	1150 200	
	TPS-8/65×100	Clear	50	1150 259	
	TPS-8/85×120	Clear	50	1150 281	
	TPS-10/20×75	Clear	50	1150 309	
	TPS-10/60×115	Clear	50	1150 358	
	Cap				
		TPS-H5	White	100	1150 903
	TPS-H6	White	100	1150 929	
	TPS-H8	White	100	1150 945	
	TPS-H10	White	50	1150 960	

**Technical data
(1 kN = 100 kg)**

Type Drill Ø max. fixture thick- ness x plug length mm	Plug Ø mm	Screw- nail Ø mm	Min. drill depth incl. fixture mm	Max thickness of fixture mm	Recommended load Shear/pull-out ¹⁾		
					Concrete K 25 kN	Solid brick kN	Low density concrete (500 grade) and expanded clay kN
TPS-4/5×25	4	2.5	30	5	0.15/0.05	0.15/0.05	–
TPS-4/15×35	4	2.5	40	15	0.15/0.05	0.15/0.05	–
TPS-5/5×35	5	3	42	5	0.3/0.1	0.3/0.1	–
TPS-5/20×50	5	3	57	20	0.3/0.1	0.3/0.1	–
TPS-6/5×35	6	3.5	42	5	0.4/0.2	0.4/0.2	0.1/0.07
TPS-6/20×50	6	3.5	57	20	0.4/0.2	0.4/0.2	0.1/0.07
TPS-6/45×75	6	3.5	82	45	0.4/0.2	0.4/0.2	0.1/0.07
TPS-8/15×50	8	4	62	15	0.65/0.3	0.5/0.25	0.2/0.13
TPS-8/40×75	8	4	87	40	0.65/0.3	0.5/0.25	0.2/0.13
TPS-8/65×100	8	4	112	65	0.65/0.3	0.5/0.25	0.2/0.13
TPS-8/85×120	8	4	132	85	0.65/0.3	0.5/0.25	0.2/0.13
TPS-10/20×75	10	7	90	20	1.7/1.4	1.7/0.7	0.7/0.4
TPS-10/60×115	10	7	130	60	1.7/1.4	1.7/0.7	0.7/0.4

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

Basic Data

Suitable for

Concrete, stone, low density concrete, expanded clay, solid brick and plasterboard.

Applications

For attaching TC clips and nails.

Advantages

- Permits nailing of clips in masonry materials
- Established colour code – easy to select correctly

Material

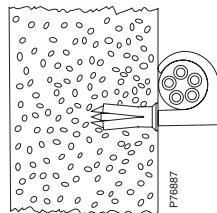
Impact-resistant PS (polystyrene).

Temperature range

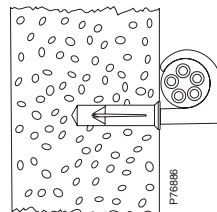
– 40 to +70 °C.

Packaging

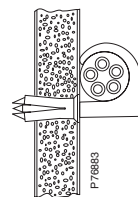
Cardboard carton.



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/Technical data

	Type	Colour	Qty/ Pack	Drill Ø mm	Min. drill depth Ø mm	Nail Ø mm	Art. No.
P60845 	TCP-0	White	100	5.5	20	1.2–2	1140 003
	TCP-1	Yellow	100	5.5	25	1.2–3	1141 001

Suitable for

Concrete, natural stone, low density concrete 500 (not in porous low density concrete 400-450), expanded clay, hollow blocks and brick, solid brick and and plasterboard.

Applications

TPN can be used for most situations where shear loads predominate.

Advantages

- Universal fixing which gives great expansion and a secure fixing in all building materials
- Pack contains both fixing and screw
- Fully-treaded screw supplied – even thin objects can be fixed
- Two sizes cover all situations
- 25 fixings in each box – just right for the pocket

Materials

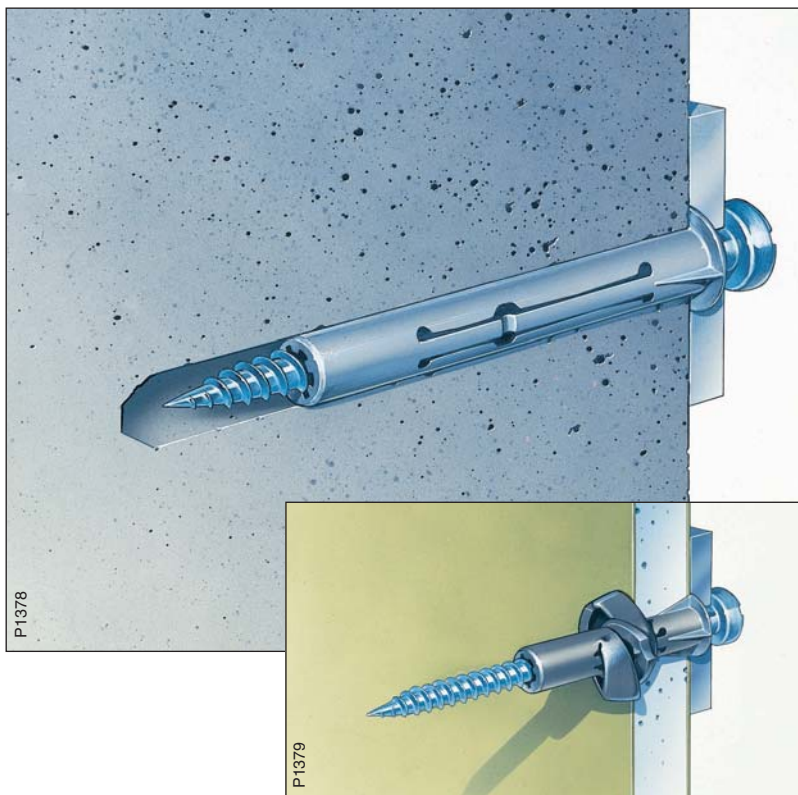
Fixing of modified PA (polyamide, nylon) and screw of hardened bright galvanised steel with full double thread. Colour: silver.

Temperature range

-20 to +80 °C.

Packaging

Cardboard carton.



Range	Type	Colour	Qty/Pack	Art. No.
	TPN-6x35	Silver	25	1051 007
	TPN-8x50	Silver	25	1052 004

Technical data (100 N = 10 kg)									
Type ØxL mm	Screw size ØxL mm	Drill Ø mm	Max thickness of object mm	Min drill depth mm	Board thickness mm	Recommended load ¹⁾ : Shear/pull-out			
						Concrete K 25 N	Low density concrete 500 and expanded N	Plaster- board 13 mm N	Plaster- board 2x13=26 mm N
TPN-6x35	4x50	6	16	50	min. 9	500/100	200/60	180/60	260/80
TPN-8x50	5x60	8	12	60	min. 3	600/150	250/80	200/60	350/140

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