

Thorsman Installation material

Get it right, right away

Do it yourself the professional way



Schneider
Electric

A close-up portrait of a man with light skin and blue eyes, wearing a black cap and a black polo shirt. He is looking slightly to the right of the camera with a neutral expression. The background is blurred, showing green foliage and a white structure.

For me the choice is simple. I use Thorsman professional installation material.

Top-of-the line installation material

For some reason DIY enthusiasts have often had to be satisfied with equipment and installation material of poorer quality than the professionals. We don't see why.

At Schneider Electric we pride ourselves in taking care of our customers – professionals as well as DIY enthusiasts. Our range of Thorsman installation material has been renowned in the professional business for years, but as all our customers are equally valuable to us we want to provide the best products to all. This is why our product range of installation material, made by and for professionals, is now available to anyone interested in home improvement.





Colour-coded material fit for purpose

Our products are as easy to find in the store as they are to use at home. Just let our colour-coded system guide you to the right fixing material for your needs.

- Universal plugs for all building materials
- Fixings for solid materials
- Fixings for board materials
- Cable fixings



Wall plug TP

Plug for universal use primarily in shear load installations. Double-expanding. Soft surface for maximum friction.



Universal screw plug Quicki TPN

For all types of wall materials. Two sizes cover most needs.



Cavity fixing Platti TPP

Metal fixing, for heavy loads in board materials with a thickness of 10–35 mm.



Cavity fixing TMX

Expanding metal fixing, for heavy loads in board materials with a thickness of 5–32 mm.



Cavity fixing Duo-Max TSP

For medium-heavy loads in board materials with a thickness of 3–40 mm.



QR-code



Watch how it's done

Use the QR-code to view our instructional movies



Cavity fixing TPD

Self-drilling metal fixing, suitable for plasterboards with a thickness of min 9 mm.



Cavity fixing THW

Flat, pointed metal fixing for plasterboards with a thickness of 6–13 mm. Just hammer it in.



Through bolt TEX

High-quality steel anchor. For heavy loads in concrete or natural rock materials.



Concrete screw MMS

Corrosion-resistant, for concrete and brick wall materials. No plug is needed.



Cable clips TC and TCS

With nail or screw, for round or flat cables. Impact-resistant material.

It's so much easier with top-quality material

Our Thorsman products have been used by professionals for more than 50 years. That says a lot.

As our range of installation material includes plugs, cavity fixings, screws, clips, bolts and much more, you have all you need to make a reliable and tidy installation, just like a professional. Every part is designed and developed to facilitate your work, no matter what projects you are planning to take on. But top-quality parts won't do the trick alone – make sure you know how to use them properly, so the result will be the best possible.

Professional product development since 1957

Mr Oswald Thorsman, the founder of Thorsman & Co, was very passionate about creating easy-to-use, high-quality fixing material. In 1957 he launched the legendary screw plug – a design that looks exactly the same fifty years later.



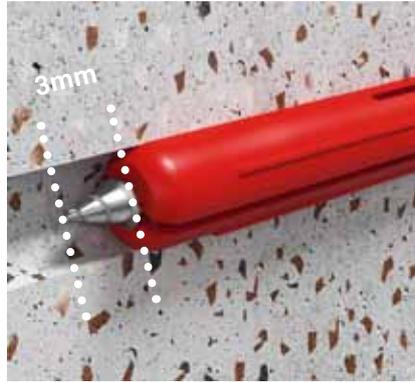
Professional advices for reliable installations

These tips from experienced craftsmen will improve the safety of your work.



Clear the hole after drilling

Remaining dust after drilling in for instance concrete may deteriorate the load capacity. Clear the hole from dust, either by using the drill or a vacuum cleaner.



Correct use of the TP plug

When you use the wall plug TP, always make sure that the screw is at least 3 mm longer than the plug. If the screw is shorter, you will not benefit from the powerful expanding force of the full length of the plug.



Stay in full control

An electrical screwdriver is one of the most convenient tools you can use. However, to control the force you should tighten the screw by hand at the end.

Professional quality that stands up to scrutiny

Close up, you can really see the craftsmanship that lies behind the top quality of our installation material. Plugs and cavity fixings, screws and cable wings – all are designed to give you maximum results with a minimum of effort.



Universal screw plug Quicki TPN

This screw plug gives strong and secure fixing in all types of wall materials. The expansion function securely locks the load on the back of the plasterboard.





■ Cavity fixing Platti TPP

The powerful metal toggle can hold heavy loads in board materials. Available in three versions including a hook option for e.g. lamps. Easy to remove.



■ Cavity fixing THW

Flat, pointed metal fixing complete with suitable screw. No pre-drilling, just knock into plasterboards 6–13 mm. Easy to remove with a minimum of damage.



■ Cavity fixing Duo-Max TSP

Quick and easy fixing of medium-heavy loads in board materials. Available with either screw or hook. Secure function even with insulation behind the board.



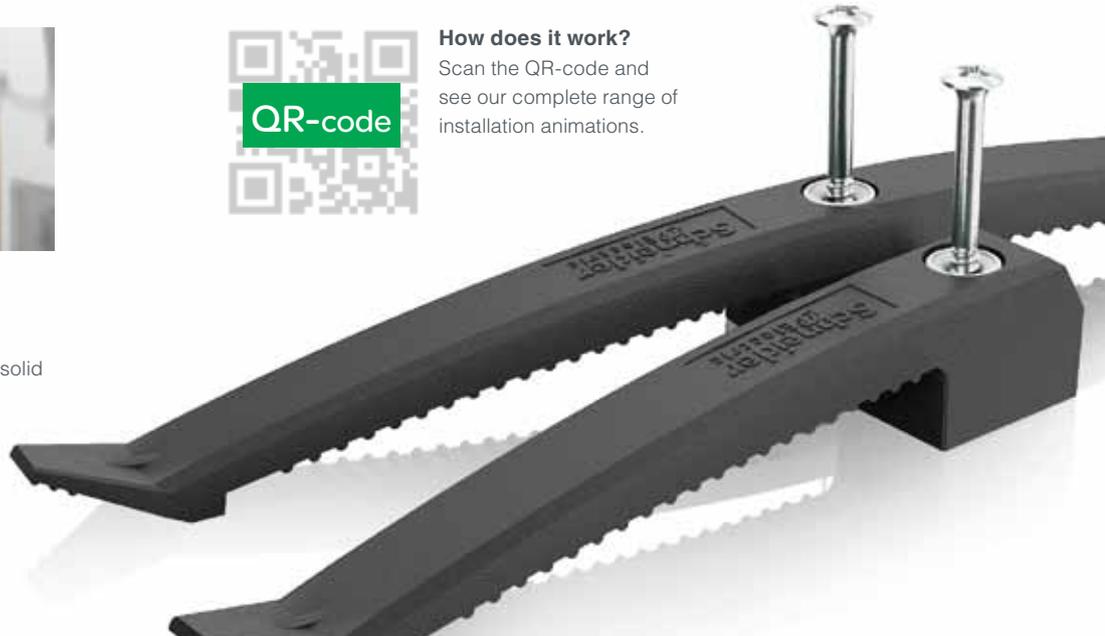
■ Concrete screw MMS-MF and MMS-MS

Hardened screws for secure fixing in solid materials like concrete and brick. No plug is needed.



How does it work?

Scan the QR-code and see our complete range of installation animations.



A man with short brown hair and glasses, wearing a black t-shirt, is shown from the back and side. He is using a yellow and black cordless power drill to secure a wooden shelf against a light green wall. The shelf is made of light-colored wood and has a metal bar attached to it. The man is holding the drill with both hands, and the drill is positioned against the shelf. The background is a solid light green wall.

Three important steps
to help you select the
correct fixing

Board material, brick or concrete?

Make sure that what you put up on the wall stays there.

Step 1: What kind of wall?

- a) Knock on the wall – does it sound hollow or solid?
- b) To be sure, use a tiny drill and make a small test hole. Compare with the images to the right.
- c) If the wall is hollow, you need to determine if it is made of one or two boards. Mark the drill at 13 and 26 mm before drilling the test hole.
- d) Is there insulation behind the wall?



Step 2: What kind of object?

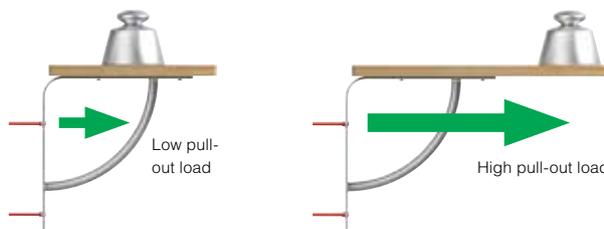
Check the shape and estimate the weight of the object you are about to mount.

- a) How heavy is it?
- b) What is the thickness of the weight-bearing part?
Is the screw long enough for its purpose?



Step 3: What kind of load?

Are you mounting a shelf or a hat rack that occasionally must be able to carry extra load? Then you need to be aware of the extensive pull-out load on the upper screw, for example when mounting a TV on a folding arm. Make sure to use every hole in the bracket to get optimised fixing capacity. See our comprehensive fixing guide overleaf.



Thorsman fixing guide – Get it right, right away

■ Universal plugs for all building materials

Fixing	Building material		Description
TP 	Wall plug		 <p>Wall plug for installations where shear loads dominate.</p>
TPN 	Universal screw plug QUICKI		 <p>A truly universal plug for installations where shear loads dominate. The perfect choice if you are not quite sure of the quality of the building material.</p>
TCP 	Clip plug		 <p>For the fixing of clips in building materials that are too hard for the nail to penetrate or too soft for a secure hold.</p>

■ Fixings for solid materials

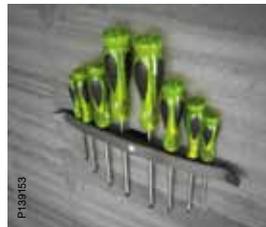
Fixing	Building material		Description
TEX 	Through bolt		 <p>Through bolt in high-quality steel for heavy loads both indoors and outdoors. Fast-grip design, a few turns on the nut sets the anchor. No need for a clean drilled hole.</p>
MMS 	Concrete screw		 <p>Concrete screw in hardened steel. No plug is needed – just drill a hole Ø 6 mm with a hammer drill and mount the screw with an electrical screwdriver.</p>

■ Fixings for board materials

Fixing	Building material	Description
TPP 	Cavity fixing PLATTI 	 <p>Fire-resistant cavity fixing in metal for heavy loads. Foldable toggle. Available with screw or hook. Easy disassembly – cut off the spring.</p>
TMX 	Cavity fixing 	 <p>Fire-resistant cavity fixing in metal for heavy loads. Secure function even with insulation behind the board.</p>
TSP 	Cavity fixing DUO-MAX 	 <p>Plastic cavity fixing. Easy installation and secure function even in confined spaces and with insulation behind the board. Available with screw or hook. Easy disassembly – cut off the spring.</p>
TPD 	Cavity fixing 	 <p>Self-drilling cavity fixing in metal for lightweight installations in plasterboard with a thickness of minimum 9 mm.</p>
THW 	Cavity fixing 	 <p>Flat, pointed cavity fixing in metal for lightweight installations in plasterboard 6–13 mm. No pre-drilling, just hammer in. Easy to remove with a minimum of damage.</p>

Well-organised with the smart wing

The cable wing can be used both indoors and outdoors. Use it for cables, skis, tools or anything that needs to be in order. Only your imagination sets the limits.



Technical information

- Universal plugs for all building materials
- Fixings for solid materials
- Fixings for board materials

Screw plug TP



Type	Drill diameter				Practical loading capacity with biggest screw Shear load/Pull-out load ¹⁾		
	Concrete	Low-density ²⁾ concrete	Min. drill depth	Wood screw	Concrete C25	Solid brick	Low-density ²⁾ concrete 500 and expanded clay
	mm	mm	mm	Ø mm	kg	kg	kg
TP1	5.5	5	25	3.5-5	50/25	40/20	10/4
TP2	5.5	5	40	3.5-5	60/40	50/30	15/4
TP2B	8	7	45	5-6	120/80	70/40	25/10
TP3	10	9	50	5-7	140/100	-	30/15
TP4	12	10	65	8-10	300/200	-	50/25

¹⁾ Safety factor 4.5 for shear load (vertical force) and 16 for pull-out load (horizontal force).

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

Universal plug QUICKI TPN



Type	Screw size	Drill	Min. drill depth	Max. fixture thickness	Min. board thickness	Recommended load: Shear/pull-out ¹⁾			
						Concrete C25	Low-density ²⁾ concrete 500 and expanded clay, kg	Plasterboard 13 mm	Plasterboard 2x13=26 mm
Ø x length	Ø x L	Ø mm	mm	mm	mm	kg	kg	kg	kg
TPN-6x35	4x50	6	50	16	9	50/10	20/6	18/6	26/8
TPN-8x50	5x60	8	60	12	3	60/15	25/8	20/6	35/14

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.



Through bolt TEX, Shear load

Design resistance and practical loading capacity. Concrete strength C20/25.

Dimension	Installation depth	Ultimate limit state		Practical loading capacity	Accidental actions
		Safety cl 1	Safety cl 2		
	mm	kg	kg	kg	kg
M6	28	290	260	220	570
M8	35	640	580	480	1270



Through bolt TEX, Pull-out load

Design resistance and practical loading capacity. Concrete strength C20/25

Dim.	Installation depth	Serviceability limit state	Ultimate limit state		Practical loading capacity	Accidental actions
			Safety cl 1	Safety cl 2		
	mm	kg	kg	kg	kg	kg
M6	28	450	280	250	210	560
M8	35	870	450	410	340	900
	55	900	590	530	440	1170



Cavity fixing PLATTI TPP

Type	Screw size	Drill	Board thickness	Max. fixture thickness for board thickness		Practical loading capacity, shear/pull-out load, kg*	
				13 mm	2x13 mm	13 mm board	2x13 mm board
		Ø mm	mm	mm	mm		
TPP-10xM4S	M4x55	10	10-30	37 mm	24 mm	40/16	60/22
TPP-10xM4K	M4x50	10	10-26	-	-	- /16	- /22
TPP-13xM5S	M5x65	13	10-35	47 mm	34 mm	50/17	80/34

* Safety factor 2.5 for shear and 3 for pull-out load.



Cavity fixing TMX

Type	Screw	Screw length	Drill	Board thickness	Max fixture thickness	Practical loading capacity, kg*	
						Min-max	
		mm	Ø mm	mm	mm	Shear load	Pull-out load
TMX-4E	M4	40	8	5-15	18	20	14
TMX-4D	M4	50	8	16-26	18	40	16
TMX-5E	M5	57	10	6-13	24	40	16
TMX-5D	M5	70	10	12-32	20	60	20

* Safety factor 2.5 for shear and 3 for pull-out load



Cavity fixing DUO-MAX TSP

Type	Screw size	Drill Ø mm	Board thickness mm	Max. fixture thickness for board thickness		Practical loading capacity, shear/pull-out load, kg*	
				13 mm	2x13 mm	13 mm board	2x13 mm board
TSP-10/50	M5x50	10	3-20	12 mm	-	25/7.5	-
TSP-10/75	M5x75	10	3-40	37 mm	24 mm	25/7.5	40/15
TSP-10K	M5x60	10	3-28	-	-	25/7.5	40/15

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

Cavity fixing TPD

Type	Screw size mm	Board thickness mm	Max. fixture thickness mm	Practical loading capacity, shear/pull-out load in 13 mm board, kg*
TPD-Metal	4.5x35	min. 9	26	27/8

* Safety factor 2.5 for shear and 3 for pull-out load.

Cavity fixing THW

Type	Screw	Board thickness mm	Max. fixture thickness mm	Practical loading capacity, shear/pull-out, load, kg*
THW 4.2x38	4.2x38	6-13	16	10/10

* Safety factor 2.5 for shear and 3 for pull-out load.



All Thorsman
fixings are tested
for extra safety
margin.

Extensive safety margins

For all our fixings you can find “Practical loading capacity” in the technical data. This value indicates the load when it is still safe to use the fixing in the wall. It is not the same as breaking load, which indicates when the fixing or wall is broken. To give you extra safety, Schneider Electric has tested all the fixings with an extra margin called “Safety factor” that differs between 2.5 and 6 depending on the type of load. But do not use this margin for extra load, use it for your extra safety.

Safe installations

Over the years, Schneider Electric has become renowned as a total supplier of installation material for professional electricians and installers. And since all the equipment is available for anyone to use, you can make a lot of the electrical installations at home yourself – as long as you know how to do it properly. Our range includes all you need to make a safe, nice and tidy installation at home.



What is necessary knowledge?

All electrical installations must involve caution and appropriate skills. Most of the work must be carried out by an authorized electrician, but some simpler actions you are allowed to do yourself – as long as you have the necessary knowledge. For more information, contact a professional electrician or your local authority for electrical safety.



You are unique, show it!

Exxact – make your own switch designs

In the Exxact range you will find a variety of fashionable, colourful designs – but you can also create your own, personal look. Just choose a colour, a pattern or any picture and place it into the frame. Now the switch has become a feature that either blends in, or stands out, in your interior.





Design your own, personal Exxact and Renova switches by using our Mix & Match tool. Try it out at www.schneider-electric.com/mixandmatch



Renova – contemporary functions in a classic design

Whether you would like to match your retro home or add a twist to your modern interior, Renova is the way to go. The round frames in black, white or glass host your choice of dimmers, switches, outlets etc. The range even includes classic wallpaper covers.



* Make the most of your energy

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