

Area of Application

ESSVE SAM Drywall anchor is designed for installation in all types of board materials such as: plasterboard, chipboard and fibreboard as well as plastic, metal and laminate sheets, max 45 mm.

Description

SAM Drywall anchor is a steel fixing element with a bottom sleeve with internal threads for the screw. For installation of SAM

Drywall anchor the installation tool SAMMY or the pliers SAM must be used, see Installation accessories. The drywall anchor is then pulled together and expands

in the middle, at which the four legs are bent backwards. The bearing capacity is high as the legs give a large pressure distributing surface. The installation tool ensures that the correct expansion is obtained.

SAM drywall anchor gives a permanent, threaded anchor point. It is designed so that it is secured firmly, even if the screw is removed. Available with metric threaded screw in dim 4, 5 and 6 mm, and equipped with Philips crosshead Ph2.



Installation

1. Drill the holes. Take it easy so as not to damage the drywall on the back/around the exit hole. Drill Ø must be chosen according to the technical data.
2. Push in SAM drywall anchor through the hole.
3. Expand using the installation tool Sammy or pliers SAM. When there is resistance and the fixing feels stable the metal expander has reached the correct expansion. NOTE! If the screw needs to be screwed in for further expansion, it is important not to over expand the expansion part.
4. Unscrew the screw and secure the detail. The installation is finished. NOTE! If an impact wrench is used, it is important not to over-tighten the screw as this can affect the expansion part.

Specification

Material	Steel
Surface treatment	Bright zinc plated

Practical load capacity tension loads in 13 and 2 × 13 mm plasterboard.
Practical loading capacity for shear loads and

Designation	Drywall thickness mm	Tension load kg	Shear load kg
SAM 4E	13	14	20
SAM 4D	2 × 13	16	40
SAM 5E	13	16	40
SAM 5D	2 × 13	20	60
SAM 6E	13	18	45
SAM 6D	2 × 13	28	70

Safety factor 2.5 for shear and 3 for tension loads.

SAM Drywall Anchor, triple

Technical data and ESSBOX pack



Item no.	Designation	Suitable board thickness mm	Screw w	Screw length mm	Maximum object thickness mm	Drill mm	Bit no	ESSBOX size	Qty/ pack.	Pack./ large pack.
191107	SAM 4 Triple	35-39	M4	65	12	8	PH2	203	50	8
191115	SAM 5 Triple	36-45	M5	88	23	11	PH2	204	50	6
191123	SAM 6 Triple	36-45	M6	88	23	13	PH2	203	25	8

Bulk packages

Item no.	Designation	Suitable for board thickness mm	Screw dim. mm	Screw length mm	Maximum detail thickness mm	Drill mm	Bit no	Qty/ pack.
9191101	Sam 4 Mini	2-5	M4	25	10	8	PH2	4000
9191103	Sam 4 Single	8-16	M4	45	14	8	PH2	2200
9191112	SAM 5 Single	8-16	M5	58	20	11	PH2	1000
9191119	Sam 6 Single	8-16	M6	58	20	13	PH2	800
9191105	Sam 4 Double	19-27	M4	60	18	8	PH2	1400
9191113	Sam 5 Double	19-30	M5	71	21	11	PH2	800
9191121	Sam 6 Double	19-30	M6	71	21	13	PH2	600
9191115	Sam 5 Triple	36-45	M5	88	23	11	PH2	600

Small package

Item no.	Designation	Suitable board thickness mm	Screw w	Screw length/ angle/hook mm	Maximum object thickness mm	Drill mm	Qty/ pack.	Pack./ large pack.
511600	SAM 4 Mini	2-5	M4	25	10	8	4	10
511601	SAM 4 Single	8-16	M4	45	14	8	4	10
513402	SAM 4 Single	8-16	M4	45	14	8	25	6
511602	SAM 4 Single w angle	8-16	M4	45 / 45+25×20	14	8	2	10
511603	SAM 4 Double	19-27	M4	60	18	8	4	10
513404	SAM 4 Double	19-27	M4	60	18	8	20	6
511605	SAM 5 Single	8-16	M5	58	20	11	4	10
513420	SAM 5 Single	8-16	M5	58	20	11	15	6
511604	SAM 5 Triple	8-16	M5	58	20		4	10
511606	SAM 5 Single w hook	8-16	M5	58 / 50×Ø14.0		11	2	10
511608	SAM 5 Single w angle	8-16	M5	58 / 50+25×20		11	2	10
511607	SAM 5 Double	22-30	M5	71	21	11	2	10
513409	SAM 5 Double	22-30	M5	71	21	11	10	6
511609	SAM 6 Single	8-16	M6	58	20	13	2	10
511610	SAM 6 Triple	8-16	M6	58	20	13		
513416	SAM 6 Single	8-16	M6	58	20	13	10	6

Item no.	Designation	Suitable board thickness mm	Screw	Screw length/ angle/hook mm	Maximum object thickness mm	Drill mm	Qty/ pack.	Pack. / large pack.
511612	SAM 6 Single w hook	8-16	M6	58 / 60×Ø14.5		13	2	10
511613	SAM 6 Single w angle	8-16	M6	58 / 60+25×23		13	2	10
511611	SAM 6 Double	22-30	M6	71	21	13	2	10
513418	SAM 6 Double	22-30	M6	71	21	13	10	6
511646	Extra long screw		M4×80				5	10
511647	Extra long screw		M5×100				5	10
511648	Extra long screw		M6×100				5	10
511621	Picture hook, hole Ø 5.1							
511622	Eye hook M5×50		M5	50×Ø14.0			2	10
511623	Angle hook M5×50		M5	50+25×20			2	10
511625	Eye hook M6×60		M6	60×Ø14.5			2	10
511626	Angle hook M6×60		M6	60+25×23			2	10