R-SM INTERSET FIXING

Interset fixing for permanent anchorages in cavity walls.
Zinc-plated metal fixing with metric screw.

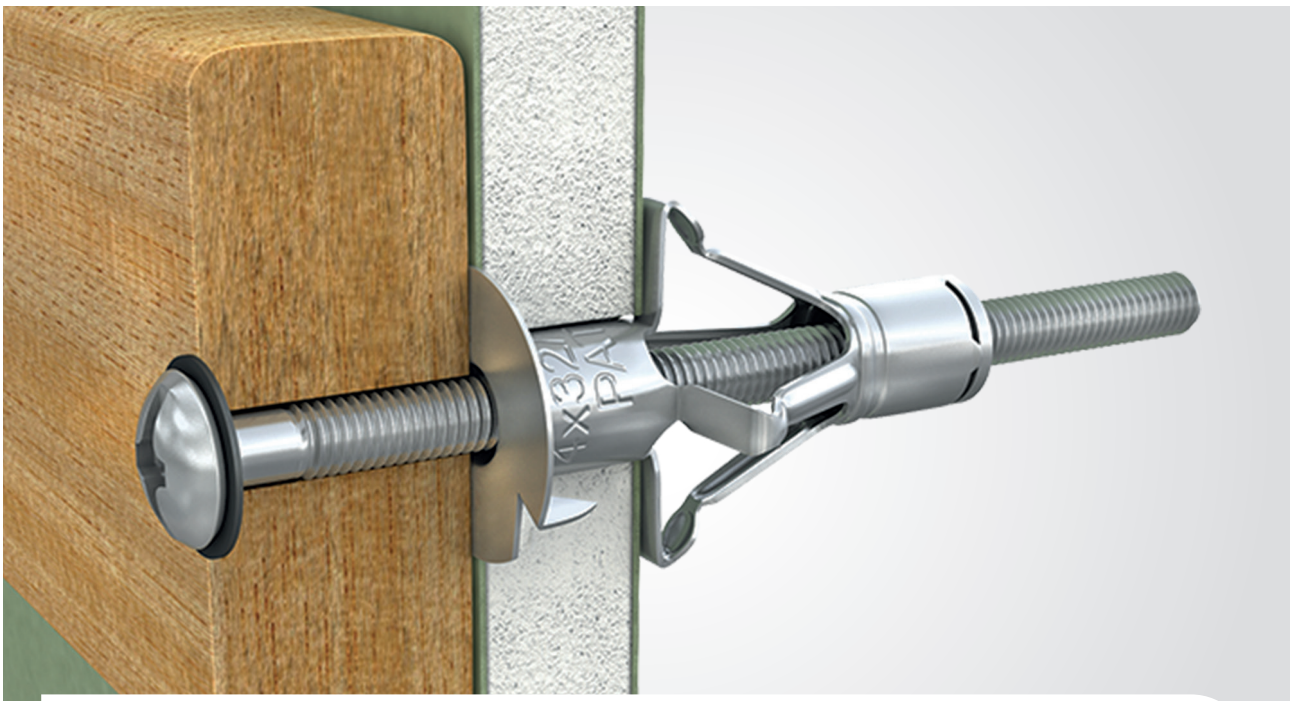


FEATURES AND BENEFITS

- Due to extensive range the SM INTERSET is suitable for board building materials with a thickness 2-38 mm, it allows for a number of different applications
- Large contact area of expanded arms increases load-bearing capacity and security
- Hinged legs designed to maximise load-bearing capacity
- Integral anti-rotation lugs
- One piece stamping, with integral thread and flange for increased reliability
- Fixtures can be removed and re-fitted
- Simple and convenient installation — basic tools are all you need, with no specialized equipment required

BASE MATERIAL

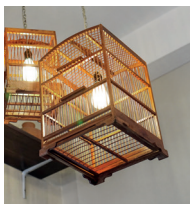
- Oriented strand board
- Chipboard
- Plasterboard
- Gypsum fibreboards



Reliable fastening in every situation! Interset anchors are perfect for mounting elements on plasterboard, such as shelves, cabinets, wall lamps, mirrors, hooks, TV brackets, and decorative items. Thanks to their high load capacity and stable expansion within the board structure, they are an excellent choice wherever reliable and durable fastening is required

APPLICATIONS

- Cabinets, brackets, and wall mounts
- Decorations
- Lighting
- Mirrors

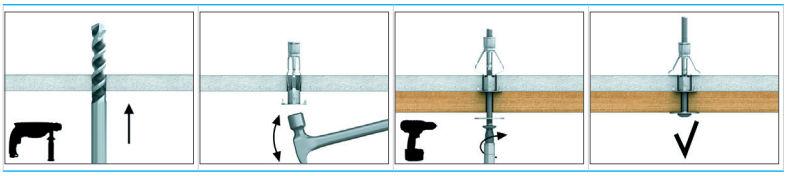








INSTALLATION GUIDE

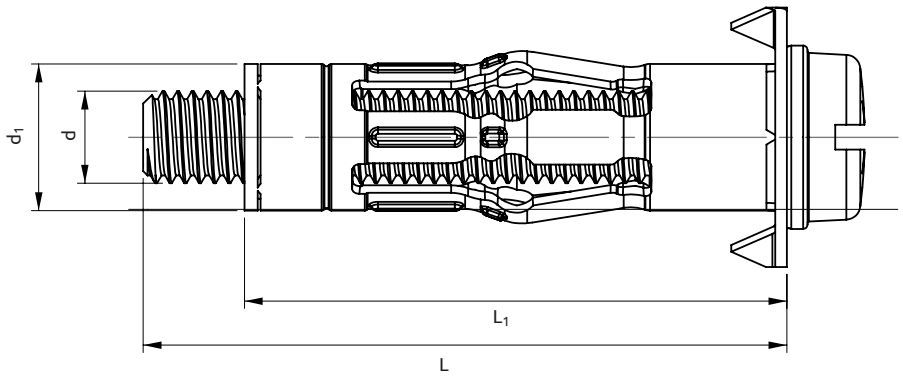


1. Drill a hole of required diameter.
2. Insert the fixing into the hole. Tap in lightly, ensuring that the anti-rotation lugs penetrate the face of the base material.
3. With the hole drilled and the fixing inserted, the setting tool or screw driver is used to pull the screw head, thus expanding the fixing body.

INSTALLATION DATA

Size			4	5	6
Fixing diameter	d	[mm]	3	5	5
Hole diameter in substrate	d_0	[mm]	12	14	14
Min. spacing	s_{min}	[mm]	100	100	100
Min. edge distance	c_{min}	[mm]	100	100	100

PRODUCT INFORMATION



Size	Product code	Steel sleeve		Screw		Fixture		Substrate thickness range
		Length	Diameter	Diameter	Length	Max. thickness	Hole diameter	
		L_1	d_1	d	L	t_{fix}	d_f	h
			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
Ø04	R-SM-04032	32	7	4	38	15	7	3-12
Ø04	R-SM-04038	38	7	4	45	17	7	10-16
Ø04	R-SM-04046	46	7	4	53	17	7	16-24
Ø04	R-SM-04059	60	7	4	67	16	7	31-38
Ø05	R-SM-05037	37	9	4	45	17	9	6-13
Ø05	R-SM-05052	51	9	5	58	23	9	3-16
Ø06	R-SM-05065	65	9	5	73	23	9	14-32
Ø06	R-SM-06037	38	10	6	45	18	10	6-13
Ø06	R-SM-06052	53	10	6	60	23	10	3-16
Ø06	R-SM-06065	65	10	6	73	23	10	14-32
Ø06	R-SM-06080	80	10	6	80	25	10	28-45

BASIC PERFORMANCE DATA

Performance data for single fixing without influence of edge distance and spacing

Size		R-SM-04032	R-SM-04038	R-SM-04046	R-SM-04059	R-SM-05037	R-SM-05052	R-SM-05065	R-SM-06037	R-SM-06052	R-SM-06065	R-SM-06080
OBCIĄŻENIE CHARAKTERYSTYCZNE N_{Rk}												
Plasterboard min. 9.5 mm	[kN]	0.39	0.36	-	-	0.47	-	-	0.40	-	-	-
Plasterboard min. 12.5 mm	[kN]	0.29	0.33	-	-	0.49	0.49	-	0.39	0.60	-	-
Plasterboard min. 2 x 9.5 mm	[kN]	-	-	0.46	-	-	-	-	-	-	0.94	-
Plasterboard min. 2 x 12.5 mm	[kN]	-	-	-	-	-	-	0.90	-	-	-	-
Plasterboard min. 3 x 12.5 mm	[kN]	-	-	-	0.57	-	-	-	-	-	-	1.28
Oriented strand board 22 mm	[kN]	-	-	0.55	-	-	1.19	1.23	-	1.74	1.56	-
Oriented strand board 2 x 22 mm	[kN]	-	-	-	-	-	-	-	-	-	-	1.05
OBCIĄŻENIE OBLICZENIOWE N_{Rd}												
Plasterboard min. 9.5 mm	[kN]	0.20	0.18	-	-	0.24	-	-	0.20	-	-	-
Plasterboard min. 12.5 mm	[kN]	0.15	0.17	-	-	0.24	0.25	-	0.19	0.30	-	-
Plasterboard min. 2 x 9.5 mm	[kN]	-	-	0.23	-	-	-	-	-	-	0.47	-
Plasterboard min. 2 x 12.5 mm	[kN]	-	-	-	-	-	-	0.45	-	-	-	-
Plasterboard min. 3 x 12.5 mm	[kN]	-	-	-	0.29	-	-	-	-	-	-	0.64
Oriented strand board 22 mm	[kN]	-	-	0.28	-	-	0.59	0.61	-	0.87	0.78	-
Oriented strand board 2 x 22 mm	[kN]	-	-	-	-	-	-	-	-	-	-	0.53
OBCIĄŻENIE ZALECANE N_{Rec}												
Plasterboard min. 9.5 mm	[kN]	0.14	0.13	-	-	0.17	-	-	0.14	-	-	-
Plasterboard min. 12.5 mm	[kN]	0.10	0.12	-	-	0.17	0.18	-	0.14	0.22	-	-
Plasterboard min. 2 x 9.5 mm		-	-	0.16	-	-	-	-	-	-	0.33	-
Plasterboard min. 2 x 12.5 mm		-	-	-	-	-	-	0.32	-	-	-	-
Plasterboard min. 3 x 12.5 mm		-	-	-	0.21	-	-	-	-	-	-	0.46
Oriented strand board 22 mm		-	-	0.20	-	-	0.42	0.44	-	0.62	0.56	-
Oriented strand board 2 x 22 mm		-	-	-	-	-	-	-	-	-	-	0.38

LOGISTICAL DATA

SKU	Base-sales unit	Weight of the basic sales unit	Unit pack	Bulk pack	Pallet	Single Pa-ckage - Gross Weight	Bulk Package - Gross Weight	Palette - Gross Weight	Barcode
R-BIOS-SM-04032/20	pack	0.1452	1	12	1152	0.1452	1.7424	167.2704	5906675504964
R-BIOS-SM-04038/18	pack	0.15066	1	12	1152	0.15066	1.80792	173.56032	5906675504971
R-BIOS-SM-05037/16	pack	0.21072	1	12	1152	0.21072	2.52864	242.74944	5906675504988
R-BIOS-SM-05052/14	pack	0.2359	1	12	1152	0.2359	2.8308	271.7568	5906675504995
R-BIOS-SM-06037/12	pack	0.2088	1	12	1152	0.2088	2.5056	240.5376	5906675505008
R-S1-SM04020/10	pack	0.201	5	25	2200	0.26	1.489	131.032	5010445416033
R-S1-SM04020/6	pack	0.0366	5	30	2640	0.183	1.098	96.624	5010445416057
R-S1-SM04032/6	pack	0.0478	5	30	3840	0.239	1.512	193.536	5906675094779
R-S1-SM04038/10	pack	0.22	5	25	2200	0.39	2.14	273.92	5010445416194
R-S1-SM04038/20	pack	0.1664	5	25	2200	0.72	3.8	334.4	5010445416279
R-S1-SM04038/6	pack	0.0516	10	30	2640	0.46	1.56	137.28	5010445416255
R-S1-SM04046/6	pack	0.16	5	30	2640	0.281	1.892	166.496	5906675094830
R-S1-SM05037/10	pack	0.1334	5	25	2200	0.62	3.28	288.64	5010445416354
R-S1-SM05037/20	pack	0.2598	5	15	1320	1.18	3.78	332.64	5010445416378
R-S1-SM05037/6	pack	0.081	5	30	2640	0.36	2.42	212.96	5010445416453
R-S1-SM05052/20	pack	0.338	5	15	1320	1.46	4.08	359.04	5010445003769
R-S1-SM05052/6	pack	0.1048	5	30	3840	0.524	3.144	379.52	5906675094854
R-S1-SM05065/20	pack	0.4075	5	10	880	1.933	4.04	355.52	5010445416576
R-S1-SM05065/6	pack	0.1226	5	30	3840	0.575	3.7	473.6	5906675064277
R-S1-SM06037/10	pack	0.1718	5	25	2200	0.82	4.335	381.48	5906675094878
R-S1-SM06037/20	pack	0.3454	5	15	1320	1.58	5.04	443.52	5010445003776
R-S1-SM06037/6	pack	0.104	5	30	2640	0.492	3.164	278.432	5906675094885
R-S1-SM06052/20	pack	0.4392	5	10	880	2.06	4.32	380.16	5010445003783
R-S1-SM06052/6	pack	0.1354	5	30	2640	0.628	3.964	348.832	5906675094908
R-S1-SM06065/4	pack	0.191	5	30	2640	0.522	3.132	275.616	5906675094922
R-S9-SM04038/6	pack	0.156	10	30	2640	0.476	1.676	147.488	5906675214689
R-S9-SM04046/6	pack	0.16	5	30	2640	0.278	1.868	164.384	5906675214726
R-S9-SM05052/6	pack	0.1048	5	30	2640	0.524	3.144	254.848	5906675214788
R-S9-SM05065/6	pack	0.1226	5	30	2640	0.576	3.654	321.552	5906675214818
R-S9-SM06052/6	pack	0.1354	5	30	2640	0.628	3.964	348.832	5906675214870
R-S9-SM06065/4	pack	0.191	5	30	2640	0.518	3.264	287.232	5906675214900
R-S9-SM05037/6	pack	0.081	5	30	2640	0.405	2.43	213.84	5906675214757
R-S9-SM06037/6	pack	0.118	5	30	2640	0.59	3.54	311.52	5906675214849
R-S9-SM04020/6	pack	0.0366	5	30	2640	0.183	1.098	96.624	5906675214603
R-S9-SM04032/6	pack	0.048	5	30	2640	0.24	1.44	126.72	5906675214634

LOGISTICAL DATA

SKU	Base-sales unit	Unit pack	Bulk pack	Pallet	Single Package - Gross Weight	Bulk Package - Gross Weight	Palette - Gross Weight	Barcode
R-SM-04020	pcs.	100	3200	76800	0.552	18.04	432.96	5906675172323
R-SM-04032	pcs.	100	3200	76800	0.726	23.544	565.056	5906675172347
R-SM-04038	pcs.	100	1600	38400	0.837	13.84	332.16	5906675172361
R-SM-04046	pcs.	100	1600	38400	0.93	14.72	353.28	5906675004655
R-SM-04059	pcs.	100	1600	38400	1.156	18.86	452.64	5906675004662
R-SM-05037	pcs.	100	1600	38400	1.317	21.36	512.64	5906675172385
R-SM-05052	pcs.	100	1600	38400	1.685	26.96	647.04	5906675172408
R-SM-05065	pcs.	100	1200	28800	2	24.346	584.304	5906675172422
R-SM-06037	pcs.	100	1200	28800	1.74	21.121	506.904	5906675172446
R-SM-06052	pcs.	100	1200	28800	2.208	26.88	645.12	5906675172460
R-SM-06065	pcs.	50	600	14400	1.374	16.869	404.856	5906675172484
R-SM-06080	pcs.	50	600	14400	1.515	19.466	467.184	5906675004679
R-SM-08080	pcs.	50	600	14400	2.765	33.558	805.392	5906675158181

RELATED PRODUCT

DRILLING

POWER TOOLS

Rawl-Driver 18V
60Nm 2x5,0Ah
R-PDD18-70



ACCESSORIES

Magnetic holder 1/4”
RT-BIT-ADAP



Phillips PZ bits
RT-BIT-PZ2



Protective gloves
R-PGL



Protective glasses
R-PGO

