

Rapid²⁺

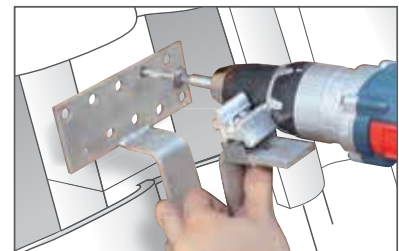
The quick and convenient mounting system for pitched roofs.

- Mounting time is considerably reduced
- Only 4 components (only little storage space required)
- Convenient assembly



Description

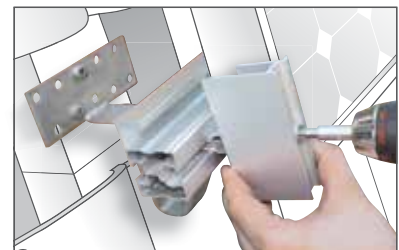
Rapid²⁺ makes mounting simple, safe, swift and uncomplicated like never before.



1 Mount the roof hooks



2 Hook in the rail and fasten it



3 Snap in the Rapid²⁺ - clamp and fasten it



4 Align the height-adjustable Rapid²⁺ - end clamp to the module height, snap it in and fasten it respectively use fixed end clamps.

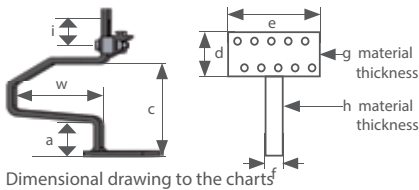
Application information

All four mounting steps can be carried out with only one tool (Torx TX40). Thanks to the high level of prefabrication of the components, you can save assembly time.

Carry out the mounting conveniently from above and even out roof unevennesses using height-adjustable roof hooks. The hook geometry also improves the structural values.

The Rapid²⁺ - module clamps can be adapted individually to the respective module height. You only have to store 4 different components. The system can be combined with all kinds of mounting rails.

*The terms of guarantee can be referenced at www.schletter.de/AGB_en.



Roof hooks Rapid²⁺

- Quality high-grade steel
- Welded

101001-000 Roof hook Rapid²⁺ 45

	a	b	c	d	e	f	g	h	i
mm	45	110	118	60	150	35	5	6	30
inches	1.77	4.33	4.65	2.36	5.91	1.38	0.20	0.24	1.18

Comparable to: Eco S 100004-000, 100004-001, 100009-000

101001-001 Roof hook Rapid²⁺ 45V

	a	b	c	d	e	f	g	h	i
mm	45	110	125	60	150	35	5	6	30
inches	1.77	4.33	4.92	2.36	5.91	1.38	0.20	0.24	1.18

As for 101001-000, but for vertical rail mounting
Comparable to: Eco S 100004-000, 100004-001, 100009-000

101002-000 Roof hook Rapid²⁺ 35

	a	b	c	d	e	f	g	h	i
mm	35	110	108	60	150	35	5	6	30
inches	1.38	4.33	4.25	2.36	5.91	1.38	0.20	0.24	1.18

As with 101001-000, but 35 mm / 1.38 inch bracket height for low battens
Comparable to: Eco S 100006-000

101003-000 Roof hook Rapid²⁺ 55

	a	b	c	d	e	f	g	h	i
mm	55	110	116	60	150	35	5	6	30
inches	2.17	4.33	4.57	2.36	5.91	1.38	0.20	0.24	1.18

As for 101001-000, but 55 mm / 2.17 inch bracket height for high battens or large tile formats

101004-000 Roof hook Rapid²⁺ Universal

	a	b	c	d	e	f	g	h	i
mm	40-54	110	116	60	150	35	5	6	30
inches	1.57-2.13	4.33	4.57	2.36	5.91	1.38	0.20	0.24	1.18

Universally adjustable, for vertical rail mounting
Comparable to: Universal 100001-000

101005-000 Roof hook Rapid²⁺ Max

	a	b	c	d	e	f	g	h	i
mm	45	120	125	80	180	35	6	8	30
inches	1.77	4.72	4.92	3.15	7.09	1.38	0.24	0.31	1.18

Like 101001-000, but with 35x8 mm / 1.38x0.31 inch bar height for heavy snow loads
Comparable to: VaMax 100010-000, 100010-001, 100011-000, 100011-001

101005-001 Roof hook Rapid²⁺ Max 150

	a	b	c	d	e	f	g	h	i
mm	43	150	125	80	180	35	6	8	30
inches	1.69	5.91	4.92	3.15	7.09	1.38	0.24	0.31	1.18

Like 101005-000, but with extended bar (size b) for large tile formats
Comparable to: VaMax 100010-000, 100010-001, 100011-000, 100011-001



101006-000 Roof hook Rapid²⁺ MaxV

	a	b	c	d	e	f	g	h	i
mm	45	120	125	80	180	35	6	8	30
inches	1.77	4.72	4.92	3.15	7.09	1.38	0.24	0.31	1.18

As for 101005-000, but for vertical rail mounting

Comparable to: VaMax 100010-000, 100010-001, 100011-000, 100011-001

Rapid module clamps²⁺

Rapid²⁺ Module clamps, Alignment: Vertical

Frame height mm	Anodized in black							
	End clamp	End clamp Universal	Middleclamp	Grounding Middle clamp	End clamp	End clamp Universal	Middle clamp	Grounding Middle clamp
30	131001-030	131002-000	131003-000	135002-000	131001-930	131002-900	131003-900	135002-900
31	131001-031	131002-000	131003-000	135002-000	131001-931	131002-900	131003-900	135002-900
32		131002-000	131003-000	135002-000		131002-900	131003-900	135002-900
33	131001-033	131002-000	131003-000	135002-000	131001-933	131002-900	131003-900	135002-900
34	131001-034	131002-000	131003-000	135002-000	131001-934	131002-900	131003-900	135002-900
35	131001-035	131002-000	131003-000	135002-000	131001-935	131002-900	131003-900	135002-900
36	131001-036	131002-000	131003-000	135002-000	131001-936	131002-900	131003-900	135002-900
37	131001-037	131002-000	131003-000	135002-000		131002-900	131003-900	135002-900
38	131001-038	131002-000	131003-000	135002-000	131001-938	131002-900	131003-900	135002-900
39		131002-000	131003-000	135002-000		131002-900	131003-900	135002-900
40	131001-040	131002-001	131003-001	135002-001	131001-940	131002-901	131003-901	135002-901
41	131001-041	131002-001	131003-001	135002-001		131002-901	131003-901	135002-901
42	131001-042	131002-001	131003-001	135002-001	131001-942	131002-901	131003-901	135002-901
43		131002-001	131003-001	135002-001	131001-943	131002-901	131003-901	135002-901
44	131001-044	131002-001	131003-001	135002-001		131002-901	131003-901	135002-901
45	131001-045	131002-001	131003-001	135002-001	131001-945	131002-901	131003-901	135002-901
46	131001-046	131002-001	131003-001	135002-001	131001-946	131002-901	131003-901	135002-901
47		131002-001	131003-001	135002-001		131002-901	131003-901	135002-901
48		131002-001	131003-001	135002-001		131002-901	131003-901	135002-901
49		131002-001	131003-001	135002-001		131002-901	131003-901	135002-901
50	131001-050	131002-001	131003-001	135002-001	131001-950	131002-901	131003-901	135002-901

Alignment: Horizontal (linear clamping: Clamping wedge turned by 90°)

30		131011-000	131012-000					
31	131010-031	131011-000	131012-000					
32		131011-000	131012-000					
33		131011-000	131012-000					
34		131011-000	131012-000					
35	131010-035	131011-000	131012-000					
36		131011-000	131012-000					
37		131011-000	131012-000					
38	131010-038	131011-000	131012-000					
39	131010-039	131011-000	131012-000					
40	131010-040	131011-001	131012-001	135011-001	131010-940	131011-901	131012-901	135011-901
41		131011-001	131012-001	135011-001		131011-901	131012-901	135011-901
42	131010-042	131011-001	131012-001	135011-001		131011-901	131012-901	135011-901
43		131011-001	131012-001	135011-001		131011-901	131012-901	135011-901
44		131011-001	131012-001	135011-001		131011-901	131012-901	135011-901
45	131010-045	131011-001	131012-001	135011-001		131011-901	131012-901	135011-901
46	131010-046	131011-001	131012-001	135011-001	131010-946	131011-901	131012-901	135011-901
47	131010-047	131011-001	131012-001	135011-001		131011-901	131012-901	135011-901
48		131011-001	131012-001	135011-001		131011-901	131012-901	135011-901
49		131011-001	131012-001	135011-001		131011-901	131012-901	135011-901
50	131010-050	130011-001	131012-001	135011-001	131010-950	131011-901	131012-901	135011-901

Mounting information for Rapid²⁺ clamps

The Schletter company recommends not to use a tightening torque of more than 12-14 Nm to fasten the clamp. Cordless screwdrivers as well as overlong Allen wrenches **must not be used to fasten the clamps**.

If you want to use a cordless screwdriver, please ask the manufacturer for information about the tightening torques that are created with the different settings of the screwdriver. If the tightening torque is too high, the module frame and the clamps might be damaged.

Examples

- An impact wrench has a maximum torque of 145 Nm and is not suitable for the fastening of screws.
- A cordless screwdriver has a maximum torque of 16 Nm and can be adjusted in steps.



Do not use extended Allen keys!



Only with a limitation to 12-14 Nm!



Do not use impact wrenches!



Do not use ratchets!

Disassembly

To disassemble the module clamp, please loosen the screw and carefully pull up the module clamp by hand at the same time until it is completely unscrewed and can be removed.

Technical data

Material	Roof hooks and screws: Stainless steel 1.4301; KlickTop and clamps: Aluminium
Planning aid	Configuration and structural dimensioning with the AutoCalculator Easy and the Schletter Configurator.
Structural analysis	Structural analysis in accordance with current national standards (in Germany DIN EN 1991, EC1). Structural analysis annex for the dimensioning of the amount of required ballast. Always observe the structural analysis information!

Further information at: www.schletter.eu.