

novotegra top-fix mounting kit - portrait modules

2 module rows - 4 to 13 modules per row

Complete scope of delivery for each layout and mounting type

Two complete mounting options: roof hooks or metal replacement tiles.
Metal tiles replace roof hooks 1:1. Blue: roof hooks with timber screws. Green: metal tiles with holders and M10 connection parts.

Layout	Mounting	Roof hooks	Timber screw 8 x 100	Timber screw 8 x 140	Metal tile + holder	Bolt M10 x 25	Washer 30 x 30	Nut M10	C-rail 5.90 m	C-rail 3.60 m	Rail connector	Cross-rail connector	Module slip guard	Grounding connector	End clamps	Mid clamps	Contact plates	Rail end caps	Slip guard / cover set
2 x 4 8 modules 	Roof hooks	18	18	18	-	-	-	-	1	4	4	-	8	2	8	12	12	8	-
	Metal tiles	-	-	-	18	18	18	18	1	4	4	-	8	2	8	12	12	8	-
2 x 5 10 modules 	Roof hooks	22	22	22	-	-	-	-	3	4	4	-	10	2	8	16	16	8	-
	Metal tiles	-	-	-	22	22	22	22	3	4	4	-	10	2	8	16	16	8	-
2 x 6 12 modules 	Roof hooks	24	24	24	-	-	-	-	4	3	4	-	12	2	8	20	20	8	-
	Metal tiles	-	-	-	24	24	24	24	4	3	4	-	12	2	8	20	20	8	-
2 x 7 14 modules 	Roof hooks	28	28	28	-	-	-	-	5	2	4	-	14	2	8	24	24	8	-
	Metal tiles	-	-	-	28	28	28	28	5	2	4	-	14	2	8	24	24	8	-
2 x 8 16 modules 	Roof hooks	30	30	30	-	-	-	-	6	2	4	-	16	2	8	28	28	8	-
	Metal tiles	-	-	-	30	30	30	30	6	2	4	-	16	2	8	28	28	8	-
2 x 9 18 modules 	Roof hooks	34	34	34	-	-	-	-	7	1	4	-	18	2	8	32	32	8	-
	Metal tiles	-	-	-	34	34	34	34	7	1	4	-	18	2	8	32	32	8	-
2 x 10 20 modules 	Roof hooks	36	36	36	-	-	-	-	8	-	4	-	20	2	8	36	36	8	-
	Metal tiles	-	-	-	36	36	36	36	8	-	4	-	20	2	8	36	36	8	-
2 x 11 22 modules 	Roof hooks	40	40	40	-	-	-	-	4	8	8	-	22	2	8	40	40	8	-
	Metal tiles	-	-	-	40	40	40	40	4	8	8	-	22	2	8	40	40	8	-
2 x 12 24 modules 	Roof hooks	42	42	42	-	-	-	-	8	4	8	-	24	2	8	44	44	8	-
	Metal tiles	-	-	-	42	42	42	42	8	4	8	-	24	2	8	44	44	8	-
2 x 13 26 modules 	Roof hooks	46	46	46	-	-	-	-	8	4	8	-	26	2	8	48	48	8	-
	Metal tiles	-	-	-	46	46	46	46	8	4	8	-	26	2	8	48	48	8	-

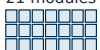
Standard bill of materials for one continuous rectangular module field. Tile model, roof structure and structural suitability must be professionally checked before delivery.

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3 module rows - 4 to 13 modules per row

Complete scope of delivery for each layout and mounting type

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Layout	Mounting	Roof hooks	Timber screw 8 x 100	Timber screw 8 x 140	Metal tile + holder	Bolt M10 x 25	Washer 30 x 30	Nut M10	C-rail 5.90 m	C-rail 3.60 m	Rail connector	Cross-rail connector	Module slip guard	Grounding connector	End clamps	Mid clamps	Contact plates	Rail end caps	Slip guard / cover set
3 x 4 12 modules 	Roof hooks	27	27	27	-	-	-	-	6	-	-	-	12	3	12	18	18	12	-
	Metal tiles	-	-	-	27	27	27	27	6	-	-	-	12	3	12	18	18	12	-
3 x 5 15 modules 	Roof hooks	33	33	33	-	-	-	-	6	2	2	-	15	3	12	24	24	12	-
	Metal tiles	-	-	-	33	33	33	33	6	2	2	-	15	3	12	24	24	12	-
3 x 6 18 modules 	Roof hooks	36	36	36	-	-	-	-	6	3	3	-	18	3	12	30	30	12	-
	Metal tiles	-	-	-	36	36	36	36	6	3	3	-	18	3	12	30	30	12	-
3 x 7 21 modules 	Roof hooks	42	42	42	-	-	-	-	6	5	5	-	21	3	12	36	36	12	-
	Metal tiles	-	-	-	42	42	42	42	6	5	5	-	21	3	12	36	36	12	-
3 x 8 24 modules 	Roof hooks	45	45	45	-	-	-	-	6	6	6	-	24	3	12	42	42	12	-
	Metal tiles	-	-	-	45	45	45	45	6	6	6	-	24	3	12	42	42	12	-
3 x 9 27 modules 	Roof hooks	51	51	51	-	-	-	-	9	3	6	-	27	3	12	48	48	12	-
	Metal tiles	-	-	-	51	51	51	51	9	3	6	-	27	3	12	48	48	12	-
3 x 10 30 modules 	Roof hooks	54	54	54	-	-	-	-	12	-	6	-	30	3	12	54	54	12	-
	Metal tiles	-	-	-	54	54	54	54	12	-	6	-	30	3	12	54	54	12	-
3 x 11 33 modules 	Roof hooks	60	60	60	-	-	-	-	6	12	12	-	33	3	12	60	60	12	-
	Metal tiles	-	-	-	60	60	60	60	6	12	12	-	33	3	12	60	60	12	-
3 x 12 36 modules 	Roof hooks	63	63	63	-	-	-	-	12	6	12	-	36	3	12	66	66	12	-
	Metal tiles	-	-	-	63	63	63	63	12	6	12	-	36	3	12	66	66	12	-
3 x 13 39 modules 	Roof hooks	69	69	69	-	-	-	-	12	6	12	-	39	3	12	72	72	12	-
	Metal tiles	-	-	-	69	69	69	69	12	6	12	-	39	3	12	72	72	12	-

Standard bill of materials for one continuous rectangular module field. Tile model, roof structure and structural suitability must be professionally checked before delivery.

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4 module rows - 4 to 10 modules per row

Complete scope of delivery for each layout and mounting type

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Layout	Mounting	Roof hooks	Timber screw 8 x 100	Timber screw 8 x 140	Metal tile + holder	Bolt M10 x 25	Washer 30 x 30	Nut M10	C-rail 5.90 m	C-rail 3.60 m	Rail connector	Cross-rail connector	Module slip guard	Grounding connector	End clamps	Mid clamps	Contact plates	Rail end caps	Slip guard / cover set
4 x 4 16 modules 	Roof hooks	36	36	36	-	-	-	-	8	-	-	-	16	4	16	24	24	16	-
	Metal tiles	-	-	-	36	36	36	36	8	-	-	-	16	4	16	24	24	16	-
4 x 5 20 modules 	Roof hooks	44	44	44	-	-	-	-	10	-	2	-	20	4	16	32	32	16	-
	Metal tiles	-	-	-	44	44	44	44	10	-	2	-	20	4	16	32	32	16	-
4 x 6 24 modules 	Roof hooks	48	48	48	-	-	-	-	11	-	3	-	24	4	16	40	40	16	-
	Metal tiles	-	-	-	48	48	48	48	11	-	3	-	24	4	16	40	40	16	-
4 x 7 28 modules 	Roof hooks	56	56	56	-	-	-	-	12	-	4	-	28	4	16	48	48	16	-
	Metal tiles	-	-	-	56	56	56	56	12	-	4	-	28	4	16	48	48	16	-
4 x 8 32 modules 	Roof hooks	60	60	60	-	-	-	-	14	-	6	-	32	4	16	56	56	16	-
	Metal tiles	-	-	-	60	60	60	60	14	-	6	-	32	4	16	56	56	16	-
4 x 9 36 modules 	Roof hooks	68	68	68	-	-	-	-	15	-	7	-	36	4	16	64	64	16	-
	Metal tiles	-	-	-	68	68	68	68	15	-	7	-	36	4	16	64	64	16	-
4 x 10 40 modules 	Roof hooks	72	72	72	-	-	-	-	16	-	8	-	40	4	16	72	72	16	-
	Metal tiles	-	-	-	72	72	72	72	16	-	8	-	40	4	16	72	72	16	-

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