

Roof consoles

General application matrix*

VAN DER VALK



SOLAR SYSTEMS

Zwartendijk 73, 2681 LP Monster
 Telefoon +31 (0)174 21 22 23
 Fax +31 (0)174 24 27 27
 info@valksolarsystems.nl
 www.valksolarsystems.nl

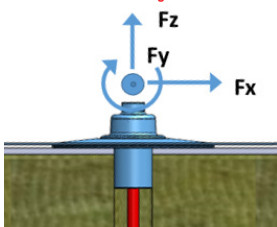


* This matrix is supplemental to checklists when mounting is carried out by means of anchors with consoles.

1			Roof inclination $10^\circ - 35^\circ$	Insulation thickness 0 mm		Roof Console for inclined roof 225000-1xx	Socket set Screw #215001 Toggle Anchor for inclined roof #215002	Fx.max = 1,0 kN Fy.max = 1,0 kN Fz.max = -3,5 kN Datasheet Installation video	Socket set Screw Verify that the current wooden rafters can obtain the present design loads. Toggle Anchor Verify that the board material can support the intended design load.
2			Roof inclination $10^\circ - 35^\circ$	Insulation thickness max. 50 mm		Roof Console for inclined roof 225000-1xx	Toggle Anchor for inclined roof #215002	Fx.max = 0,75 kN Fy.max = 1 kN Fz.max = 1,5 kN Fz.max = -1,5 kN Datasheet	Toggle Anchor Verify that the current trapezoidal sheet is capable of constraining the intended design load.
3			Roof inclination $10^\circ - 35^\circ$	Insulation thickness 60 - 100 mm		Roof Console 220063-xxx	Toggle Anchor 215003 Reinforcement adapter 250072 L75	Fx.max = 0,75 kN Fy.max = 2 kN Fz.max = 1,5 kN Fz.max = -1,5 kN Datasheet Mounting instruction	Toggle Anchor Verify that the current trapezoidal sheet is capable of constraining the intended design load.
4			Roof inclination $10^\circ - 35^\circ$	Insulation thickness 120 - 170 mm		Roof Console 220063-xxx	Toggle Anchor 215003 Reinforcement adapter 250073 L130	Fx.max = 0,75 kN Fy.max = 1 kN Fz.max = 1,5 kN Fz.max = -1,5 kN Datasheet Mounting instruction	Toggle Anchor Verify that the current trapezoidal sheet is capable of constraining the intended design load.
5			Roof inclination $10^\circ - 35^\circ$	Insulation thickness 170 - 220 mm		Roof Console 220063-xxx	Toggle Anchor 215003 Reinforcement adapter 250074 L180	Fx.max = 0,75 kN Fy.max = 1 kN Fz.max = 1,5 kN Fz.max = -1,5 kN Datasheet Mounting instruction	Toggle Anchor Verify that the current trapezoidal sheet is capable of constraining the intended design load.
6			Roof inclination $0^\circ - 5^\circ$	Insulation thickness 75 - 450 mm		Roof Console 220061-xxx	Trapez Anchor 210064	Fx.max = 0,25 kN Fy.max = 0,25 kN Fz.max = 1,5 kN Fz.max = -1,5 kN Datasheet Mounting instruction	Toggle Anchor Verify that the current trapezoidal sheet is capable of constraining the intended design load.
7			Roof inclination $0^\circ - 5^\circ$	Insulation thickness 75 - 450 mm		Roof Console 220061-xxx	Concrete Anchor 210062	Fx.max = 0,25 kN Fy.max = 0,25 kN Fz.max = 3,5 kN Fz.max = -3,5 kN Datasheet Mounting instruction Video	Concrete Anchor Verify that the current concrete deck is capable of constraining the intended design load.
8			Roof inclination $0^\circ - 5^\circ$	Insulation thickness 0 mm		Roof Console 220061-xxx	Toggle Anchor 210065 Wood Screw 210066	Fx.max = 1,0 kN Fy.max = 1,0 kN Fz.max = 3,5 kN Fz.max = -3,5 kN Datasheet Mounting instruction Video	Wood Anchoring Verify that the current wood construction, perlin or board is capable of constraining the intended design load.

* This application matrix is based upon the precondition that the parts are used in a system which ensures that all fixpoints are rigidly connected to the framing structure. The following figure illustrates the directions of the various forces Fx, Fy, Fz

Direction of forces acting on roof consoles



Choose rooftop from the schedule above and fill in number here: