





Poly Greenhouse - ValkPoly+ Screen System

ValkScreenDrive: Pull wire

| Manual v1.01

Disclaimer



You have chosen a ValkPoly+ screen system from Van der Valk horti systems. This manual is a standard manual for specific installation drawings, see project drawings and quotation supplied separately. If you see a QR code in the manual, a movie is available with additional explanation. You can watch this movie by scanning the QR code.

- * This manual is not project specific.
- * This manual is nog legally binding.
- * No right may be derived from this installation manual.
- * Consult the cloth and motor supplier manual for installation of their products.



if you scan or click this QR-code you will be linked to the youtube playlist of all installation movies. you wil find a specific QR-code at the page.

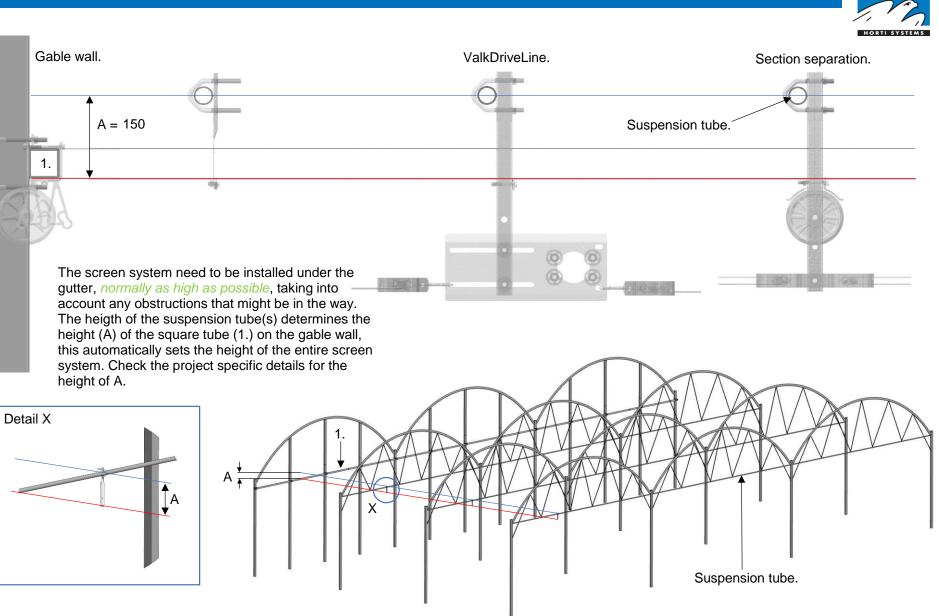


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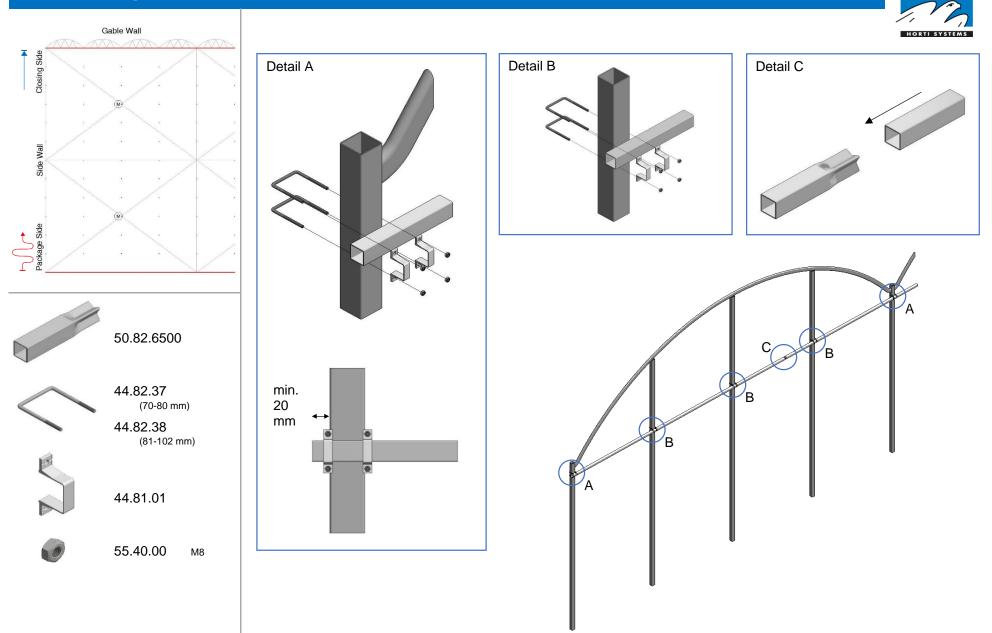
Screen lowering

150

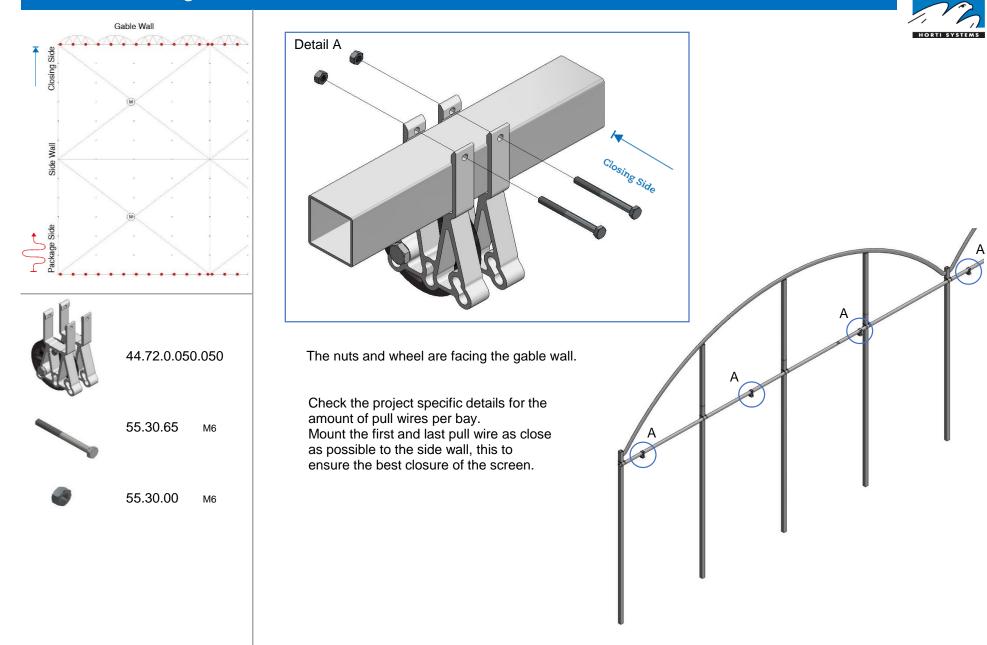
Height determination



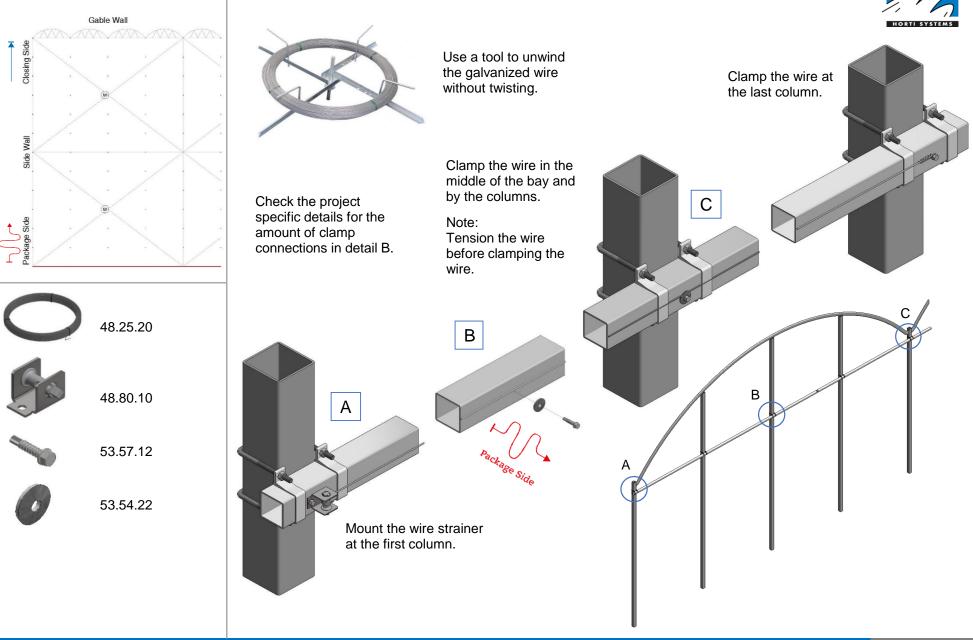
Mounting of the Screen Tube - Gable wall



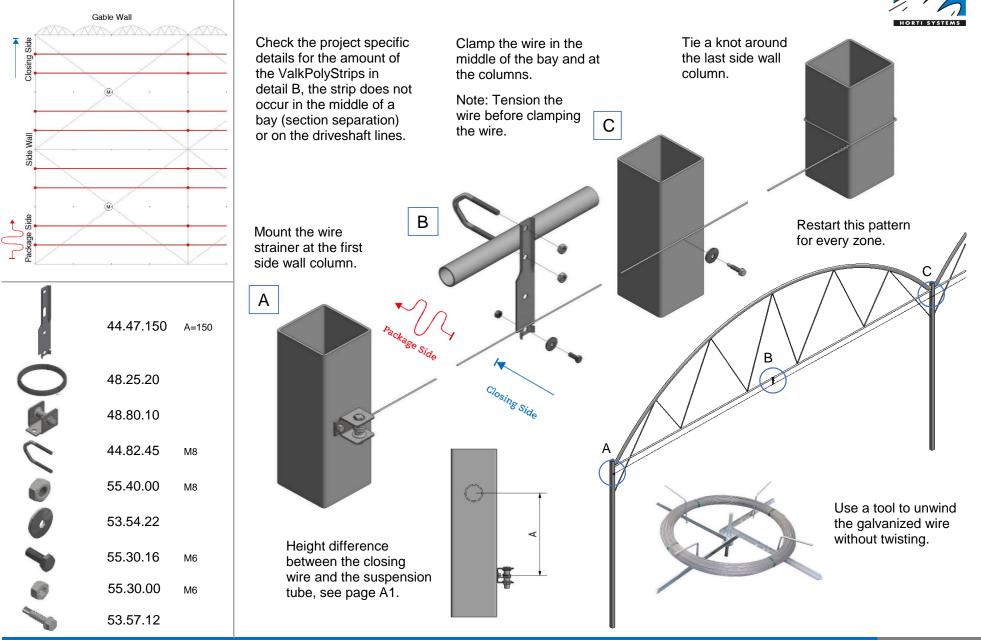
ValkReversingWheel - Gable wall



Mounting of Closing wire - Gable wall



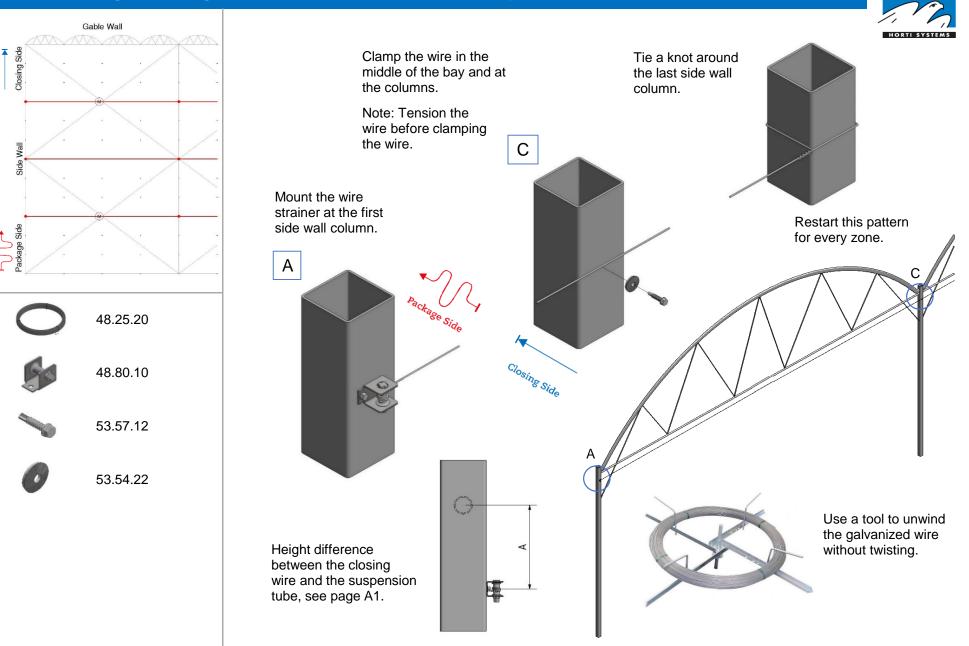
Mounting of Closing wire - Middle sections



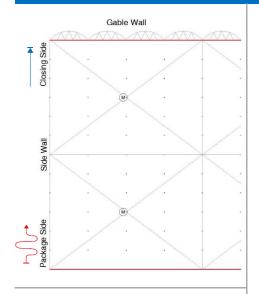
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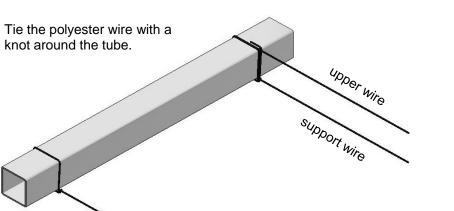
D2

Mounting of Closing wire - ValkDriveLine and Section separation



Mounting of Polyester Wires

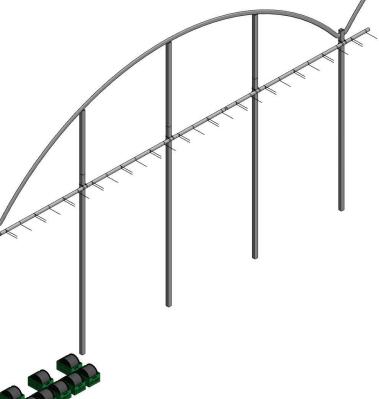






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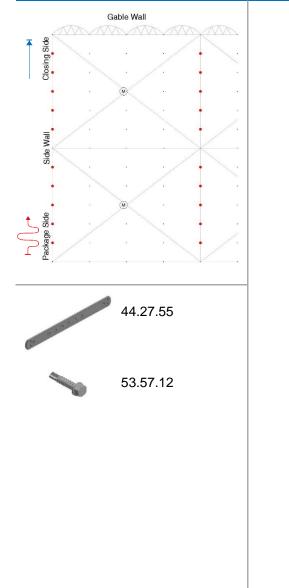
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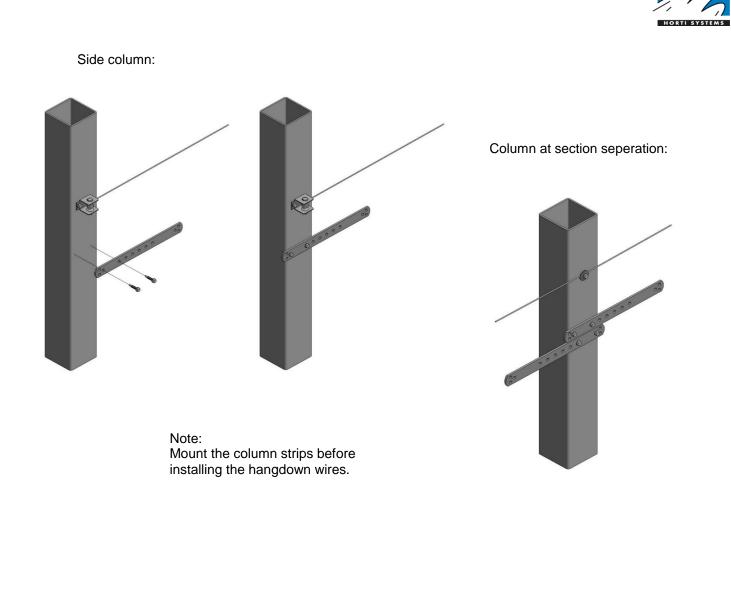
The Polyester wires are mounted from gable wall to gable wall, check the project specific details for the exact distance between them.

Use a tool like a crate, axle or a wire reel to unwind the polyester wire without twisting.

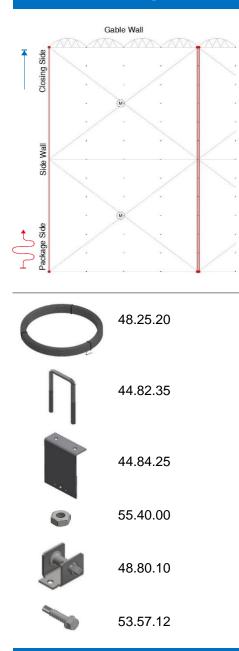
Support wire

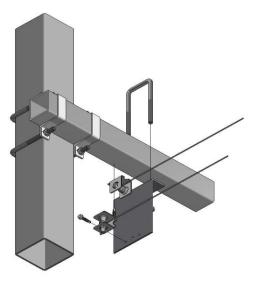
Cloth Hangdown Wires (Energy Hangdown)





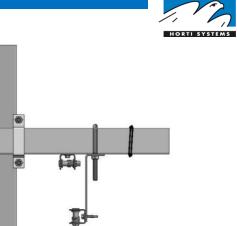
Cloth Hangdown wires (Energy Hangdown)





String (thread) the bottom hangdown wire through the column strips before fixating the wires.

Tie a knot around the tube at the last column.

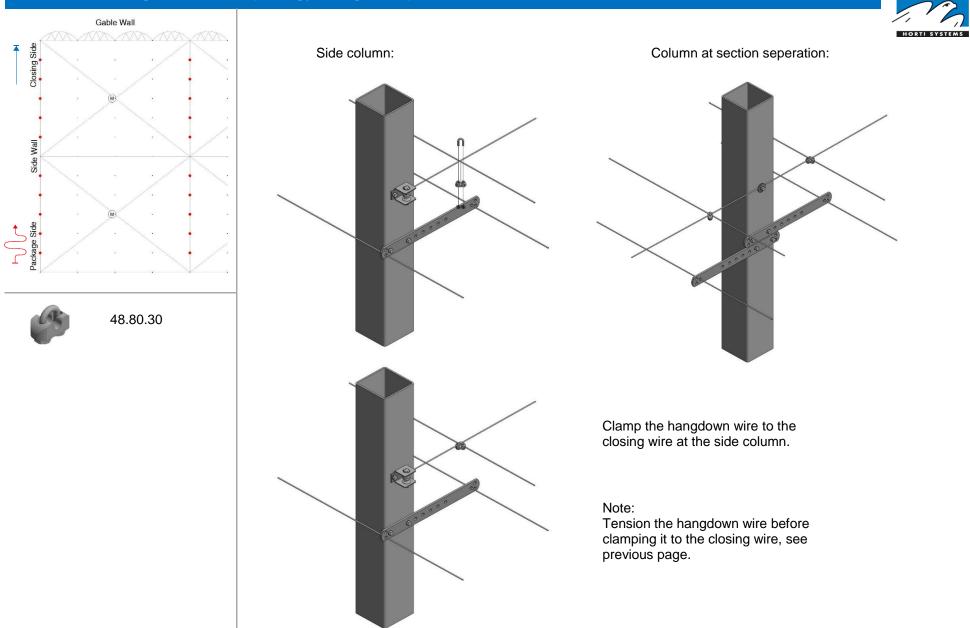


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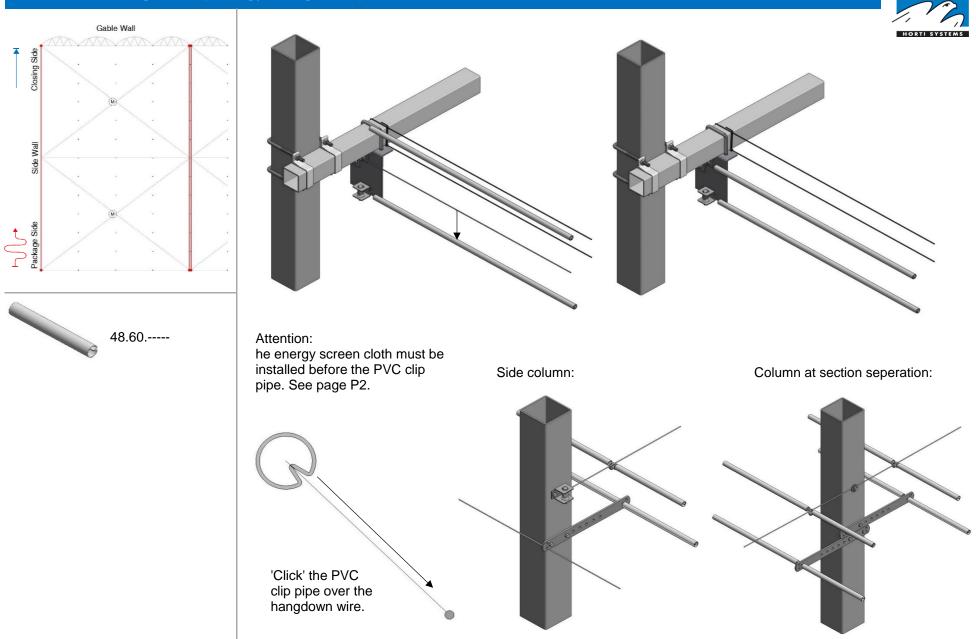
Tension the wires with the wire strainers at the first column.

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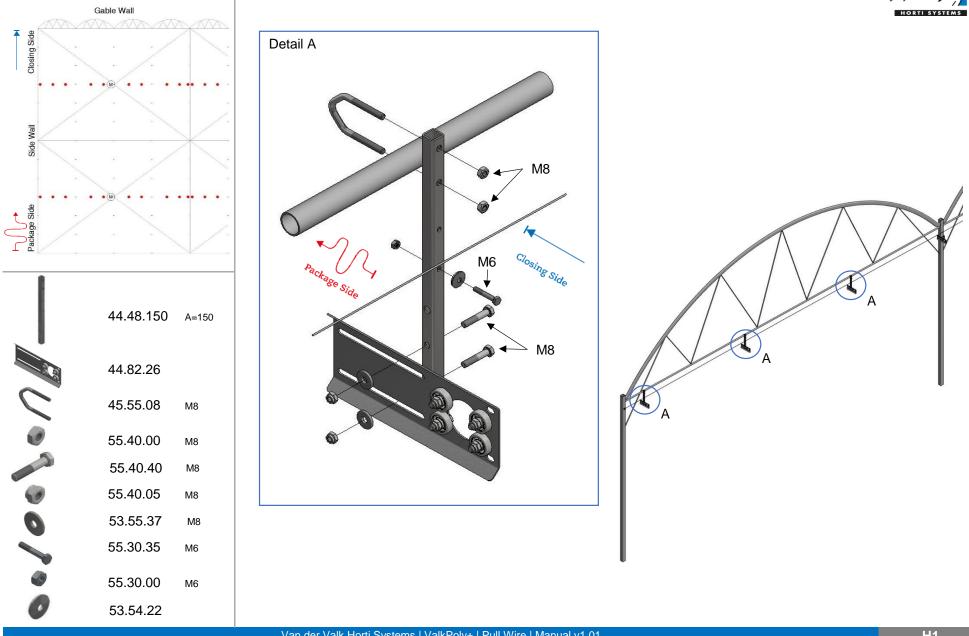
Cloth Hangdown wires (Energy Hangdown)



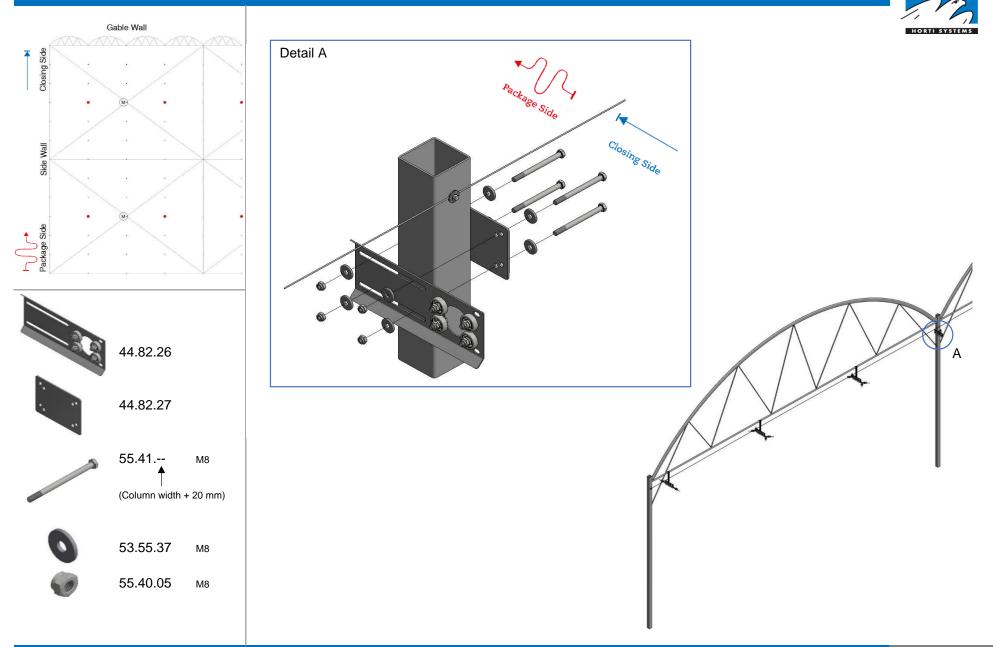
Cloth Hangdown (Energy Hangdown)

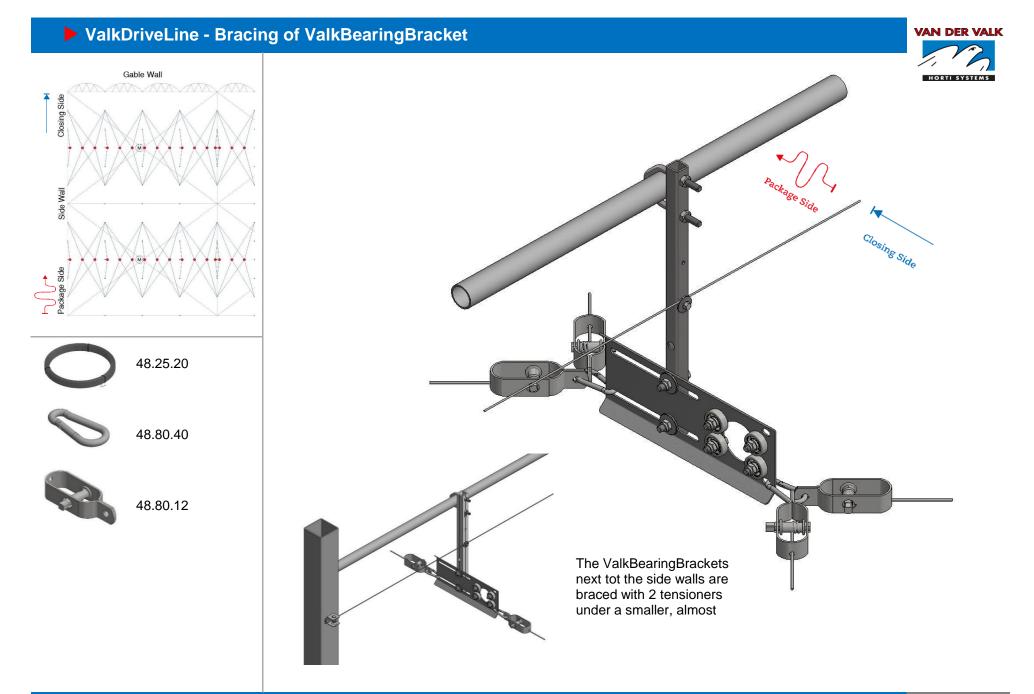


ValkDriveLine - ValkBearingBracket in Bay

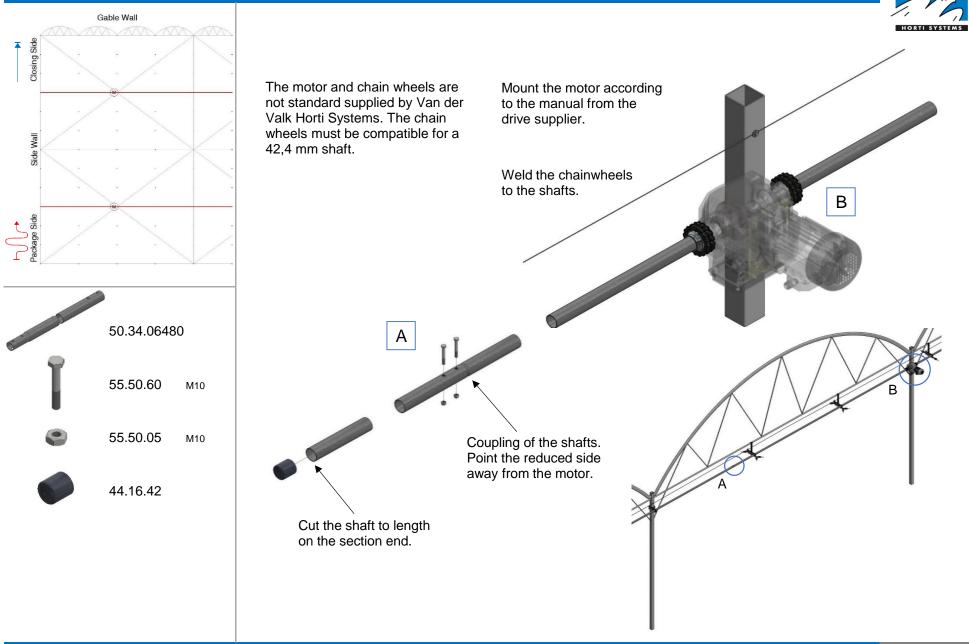


ValkDriveLine - ValkBearingBracket at the Column

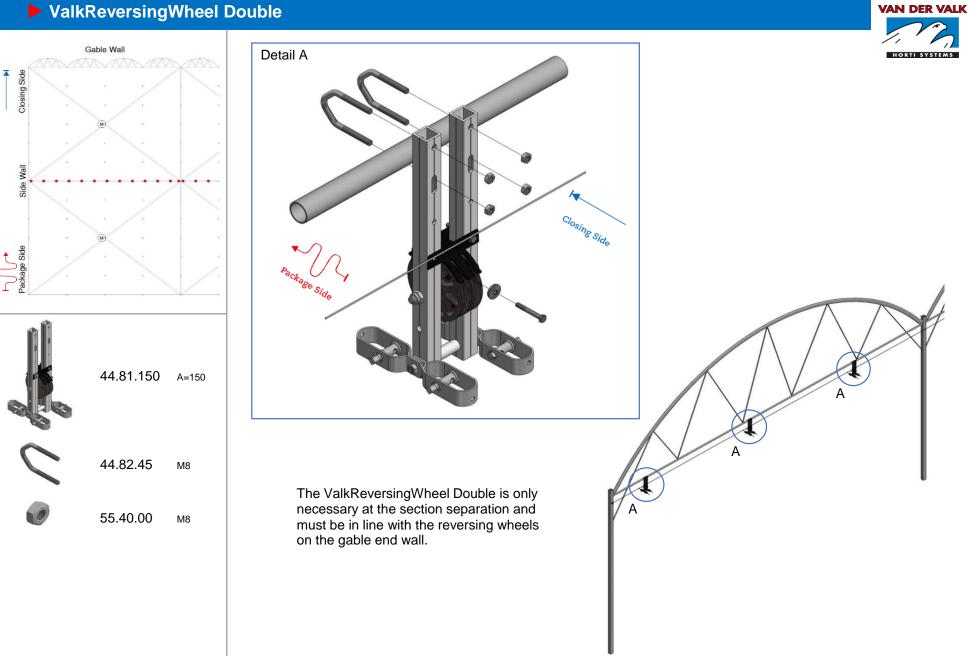




ValkDriveLine - ValkDriveShaft

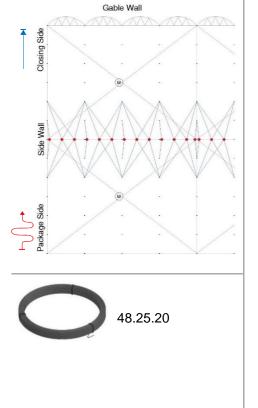


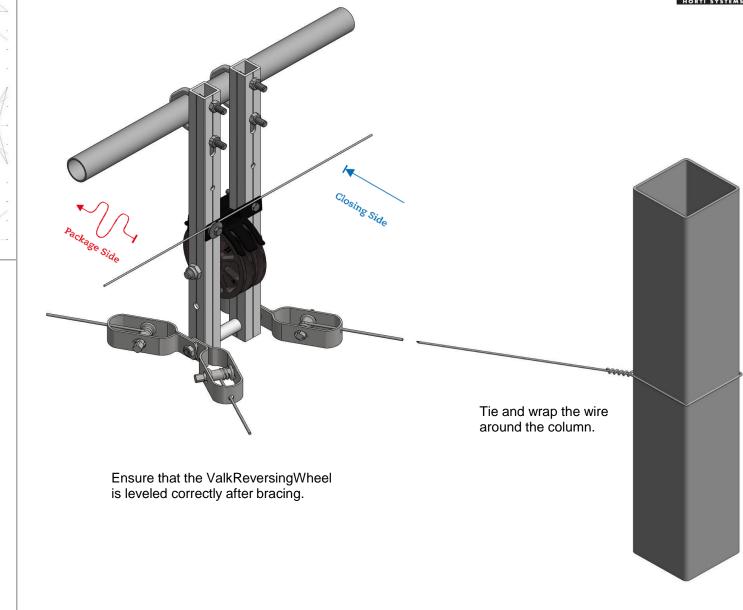
ValkReversingWheel Double

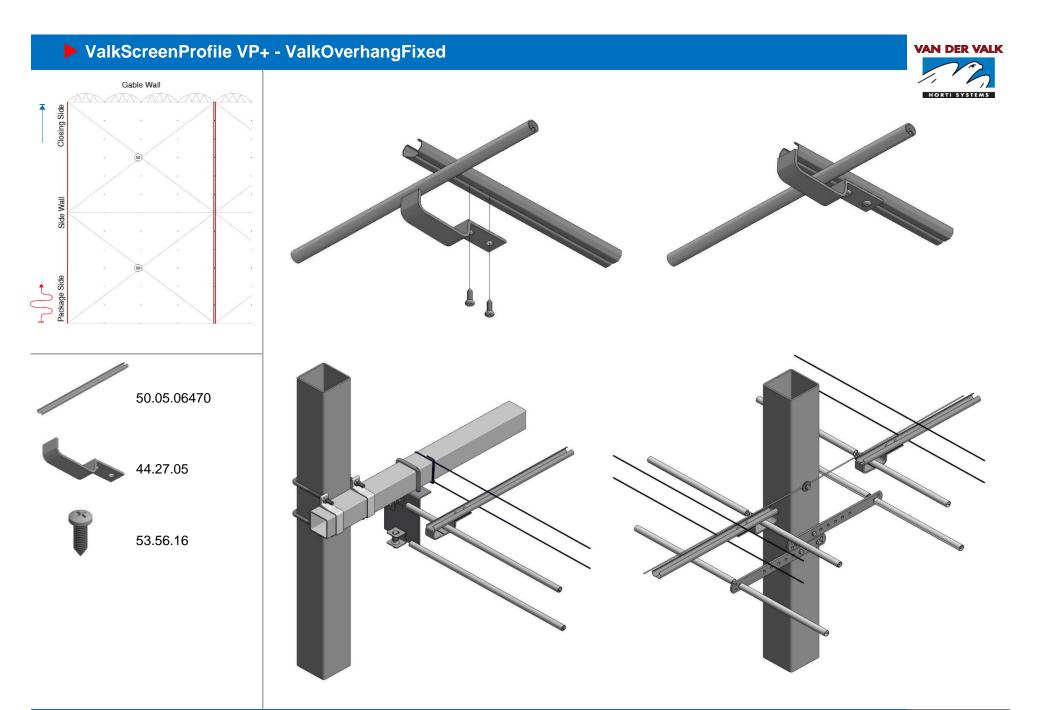


Bracing of ValkReversingWheel Double

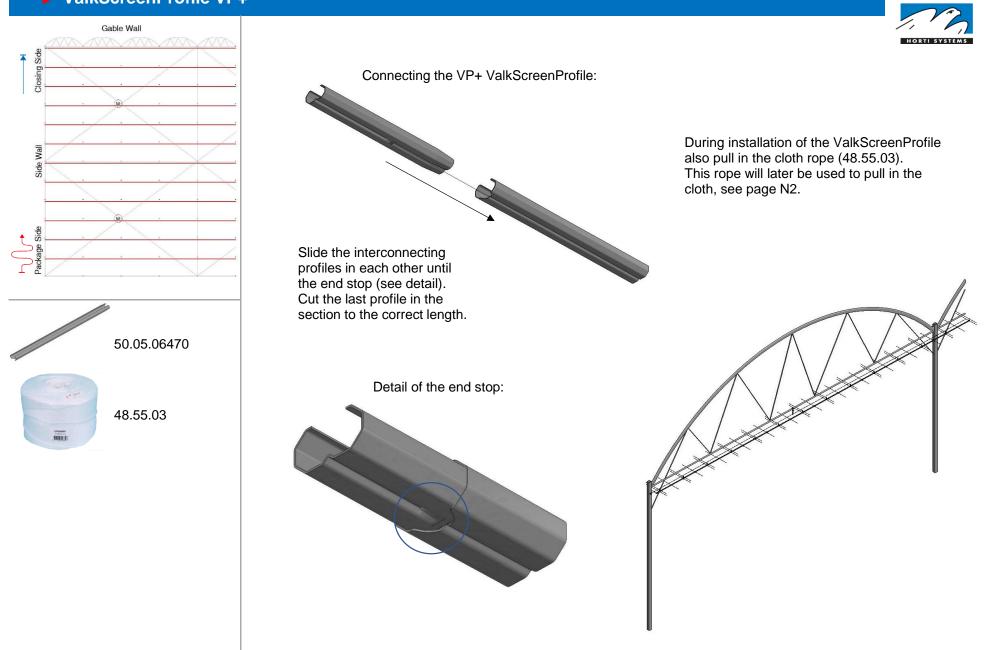




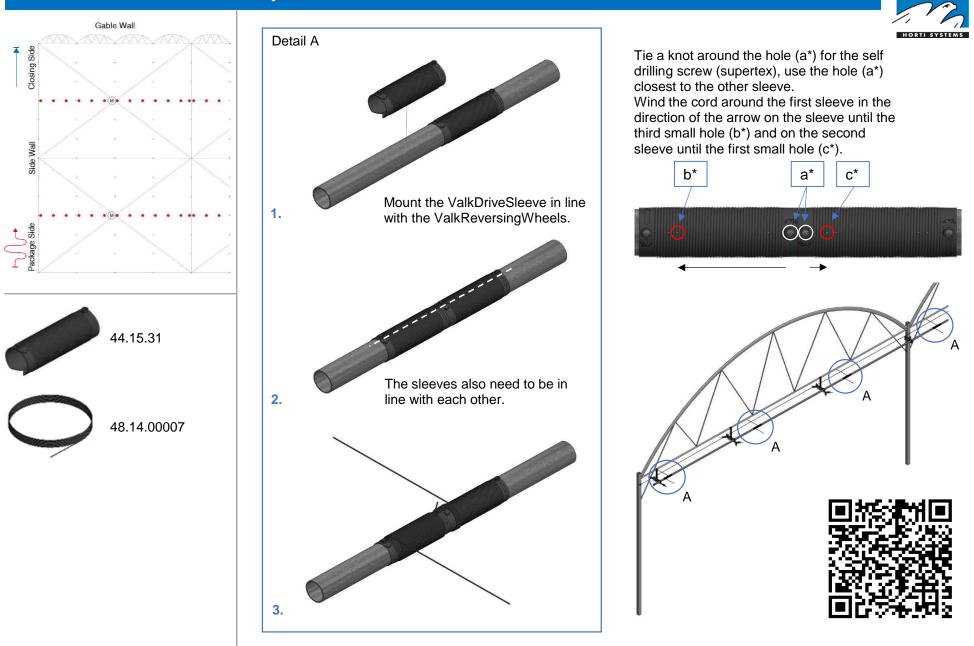




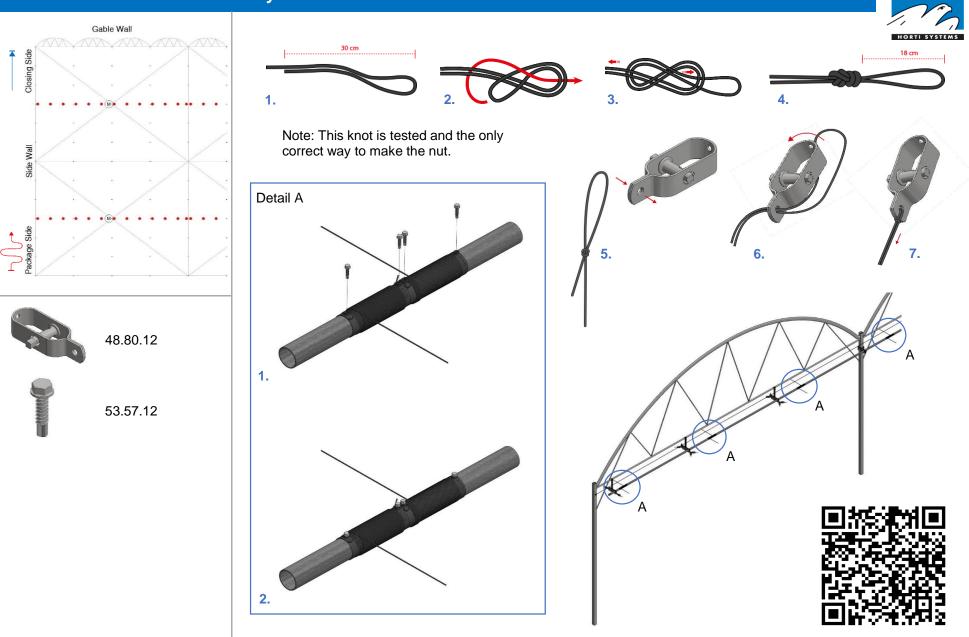
ValkScreenProfile VP+



ValkWireSleeve & ValkPolyCord

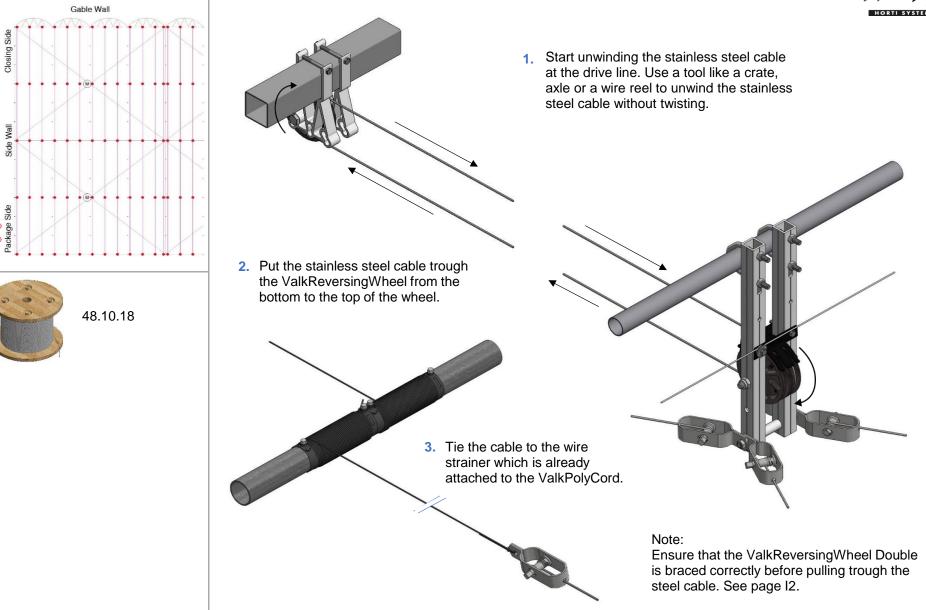


ValkWireSleeve & ValkPolyCord



Threading the Pull Wire





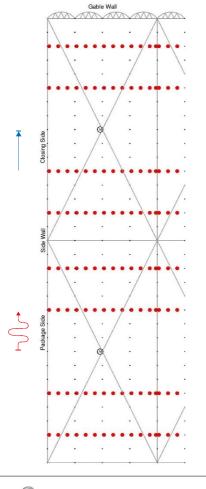
ValkPulley



closing wire

Pull Cable

return cable



Note:

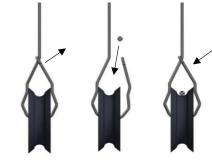
Never mount a ValkPulley in the first 3 sections closest to the drive line, this to prevent contact with the wire strainer.

From there on, mount approximately every 20 meters a ValkPulley, (see the schematic on the left).

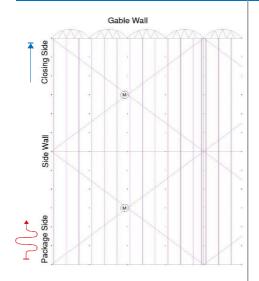
- 1. Hang the S hook on the closing wire.
- 2. Hang the ValkPulley in the S hook.
- 3. Close (squeeze) the openings of the S hook.
- 4. Open the ValkPulley (see pictures below).
- 5. Mount the return cable in ValkPulley.

6. Close the ValkPulley.





Cable Tension Meter





61.15.00

You can order the cable tension meter separately at Van der Valk Horti Systems. 3.

Attention:

make sure the double

braced correctly.

Attention:

Set the cable to the required tension before installing the ValkPolyClamps and ValkKliMax's according the steps below:

1. Determine your required cable tension*.

2. Place the tension meter (61.15.00) on the

- ø3 mm steel cable.
- 3. Roll the meter on the cable for calibration.
- 4. Check the cable tension (in kg).

5. Tension the wire to the correct tension on the wire strainer.

6. Repeat step 3-5 until all the cables are on the required cable tension.

7. Turn on the motor and let the entire installation run back and foreward for the full length, this to remove the slack of the cable on the ValkWireSleeve.

8. Repeat (if necessary) step 3-6 until all cables are on the required cable tension.

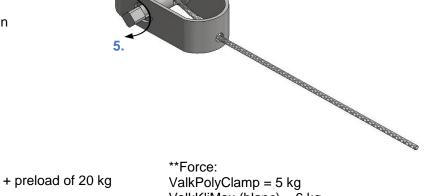
*Cable tension:

Amount of sections (connections) x Force** (kg)

ValkPolyClamp = 5 kg ValkKliMax (blanc) = 6 kg

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Before tightening the cable ValkReversingWheels and the ValkBearingplates are



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5()

50

60

70

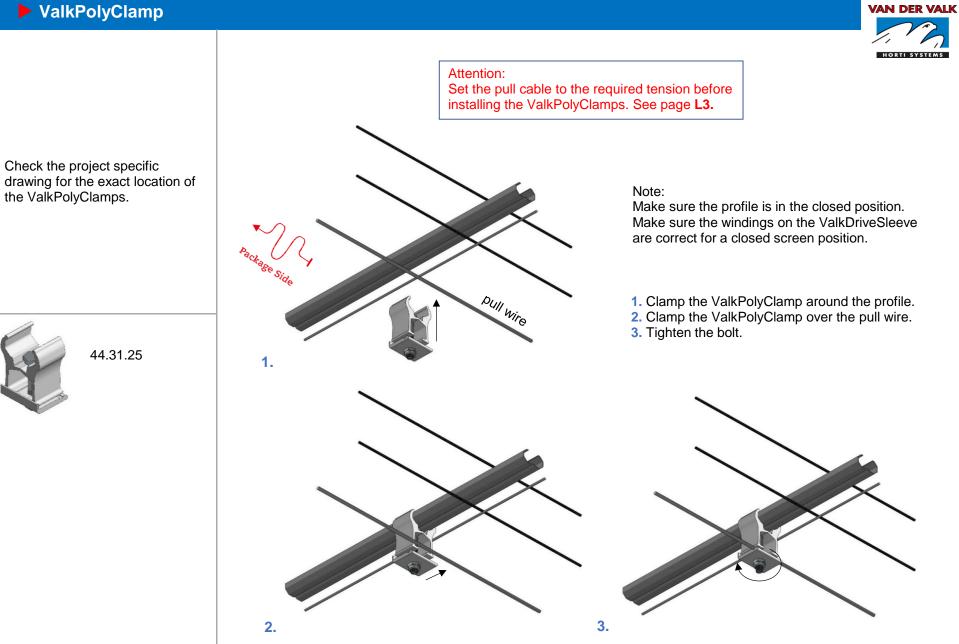
80

90

100

110

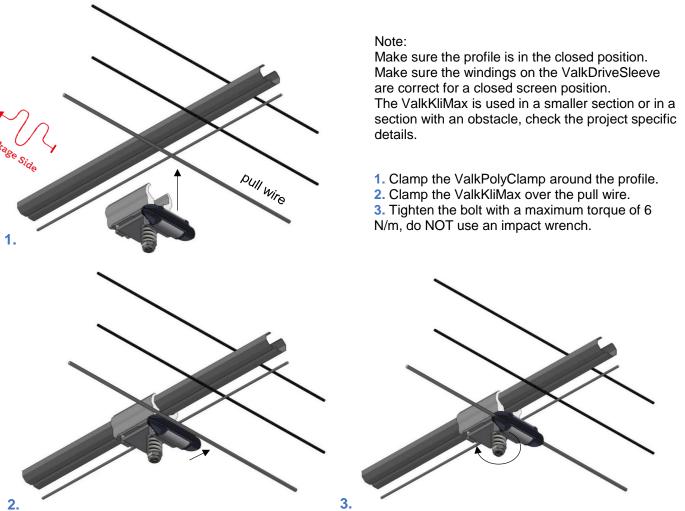
ValkPolyClamp

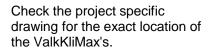


ValkKliMax



Attention: Set the pull cable to the required tension before installing the ValkKliMax's. See page L3.









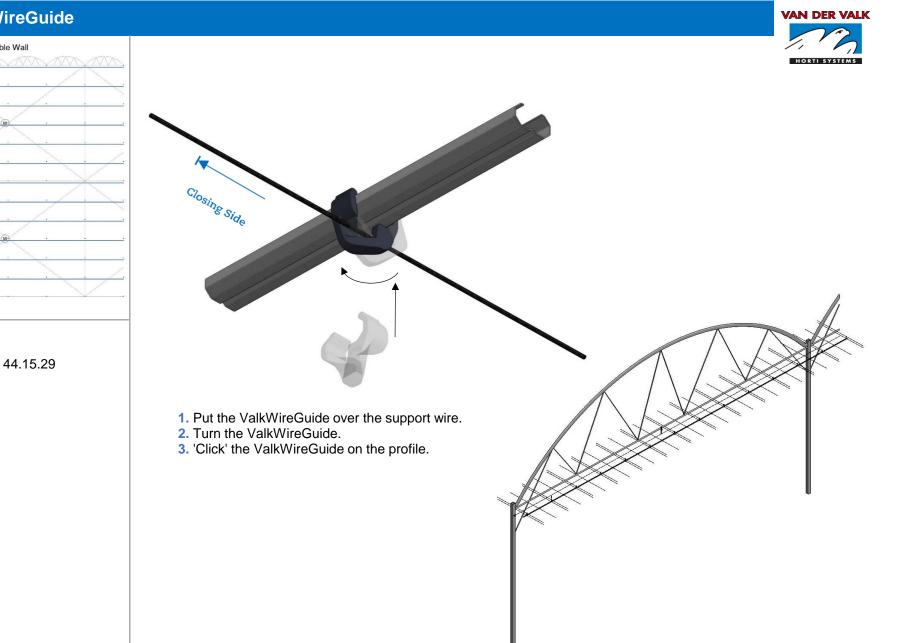
ValkWireGuide

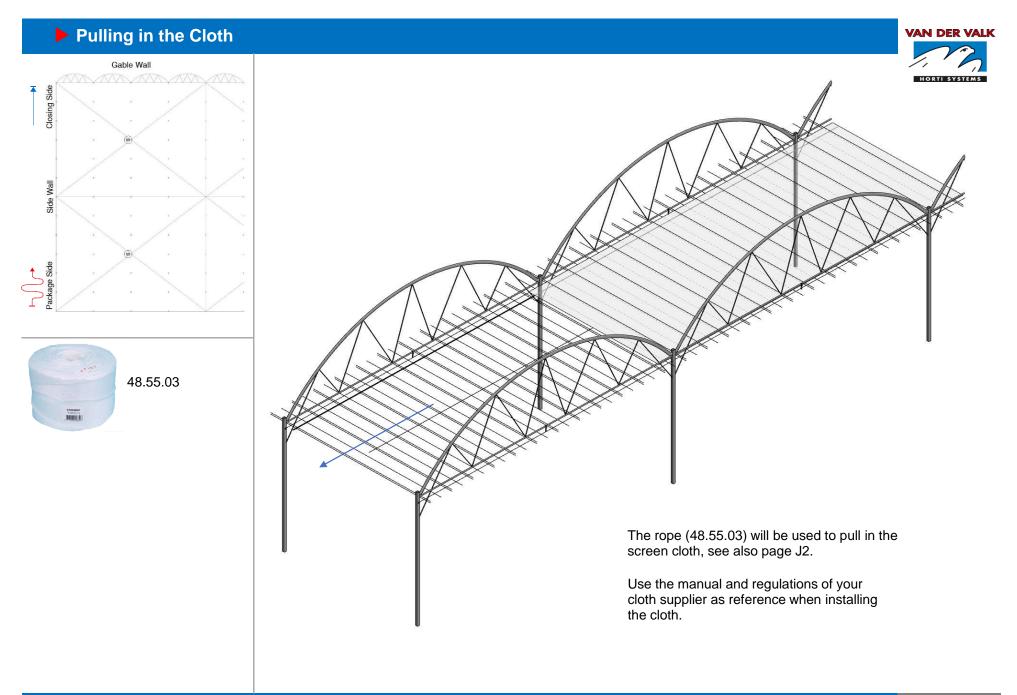
Gable Wall

Closing Side -

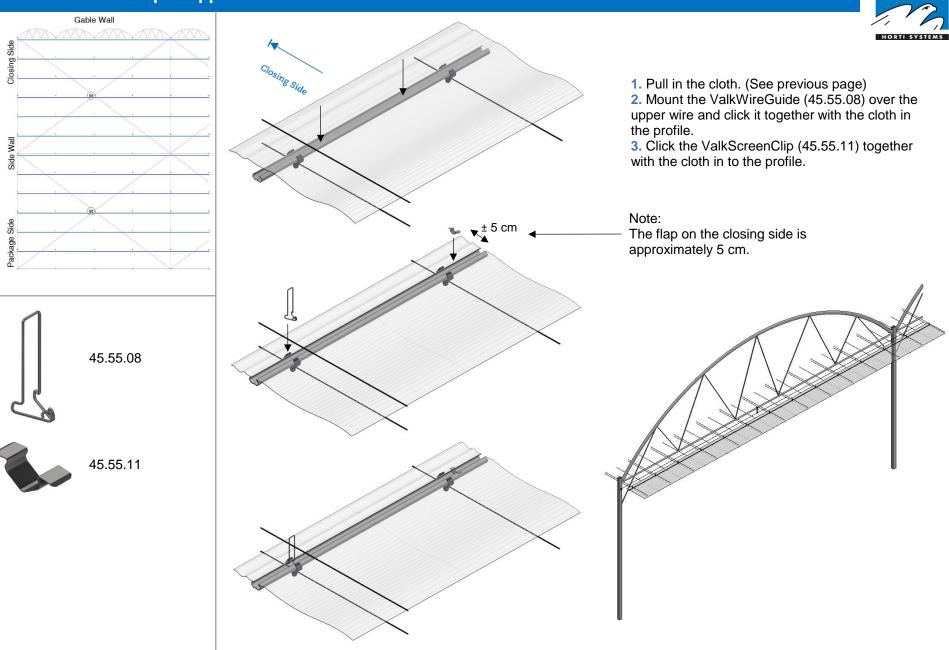
Side Wall

Side



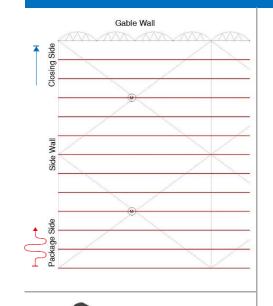


ValkScreenClip & Upper ValkWireGuide

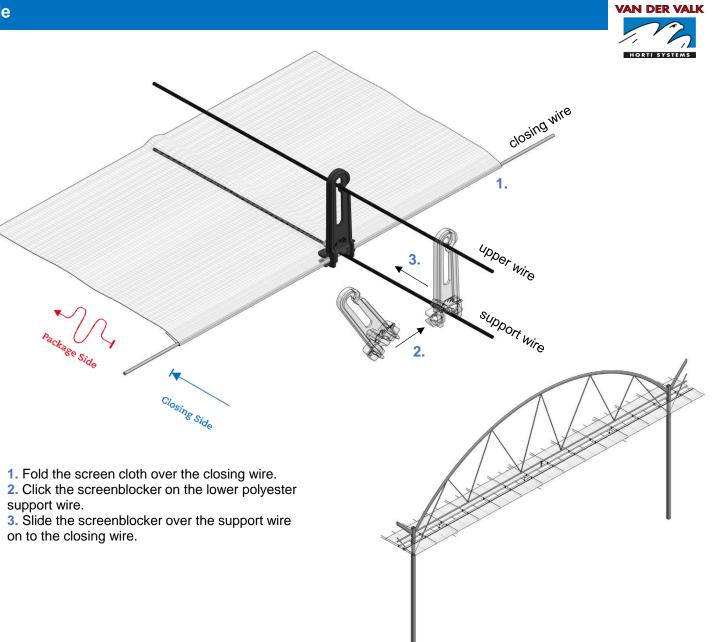


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Screen Cloth - Closing side



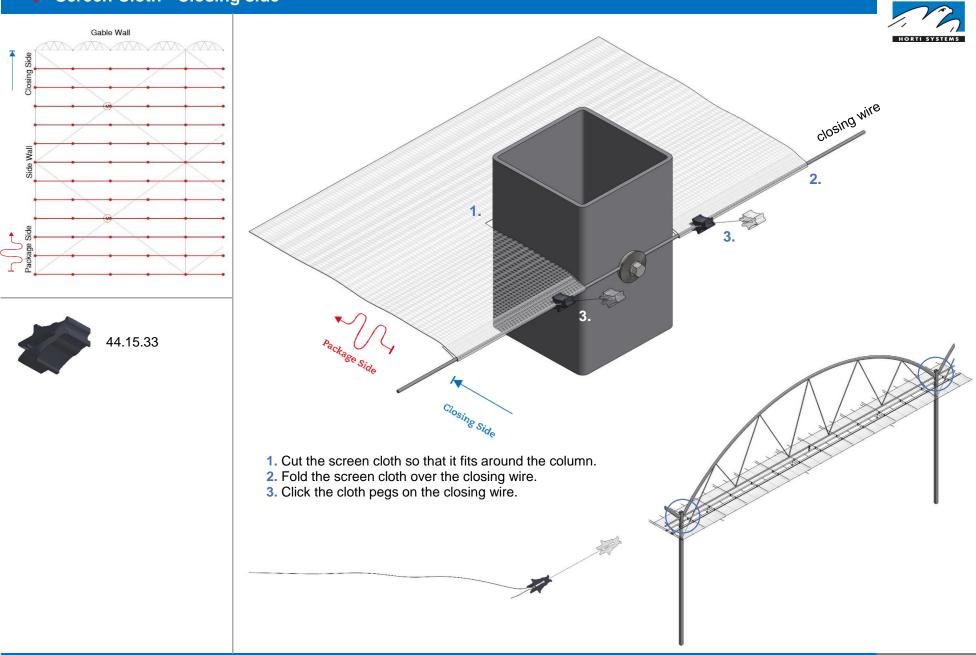
44.15.34



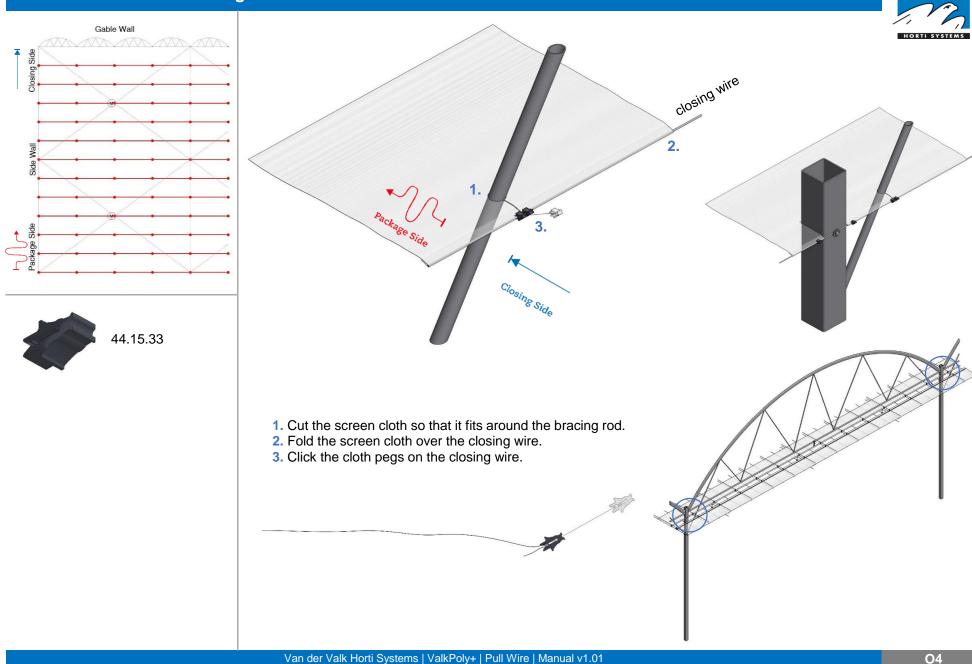
Screen Cloth - Closing side VAN DER VALK Gable Wall HORTI SYSTEMS Closing Side ₮ closing wire Side Wall 1. 1. Fold the screen cloth S over the closing wire. Side 2. 2. Click the cloth peg on the closing wire. Support wire 44.15.33 ²Ckage Side Closing Side

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Screen Cloth - Closing side

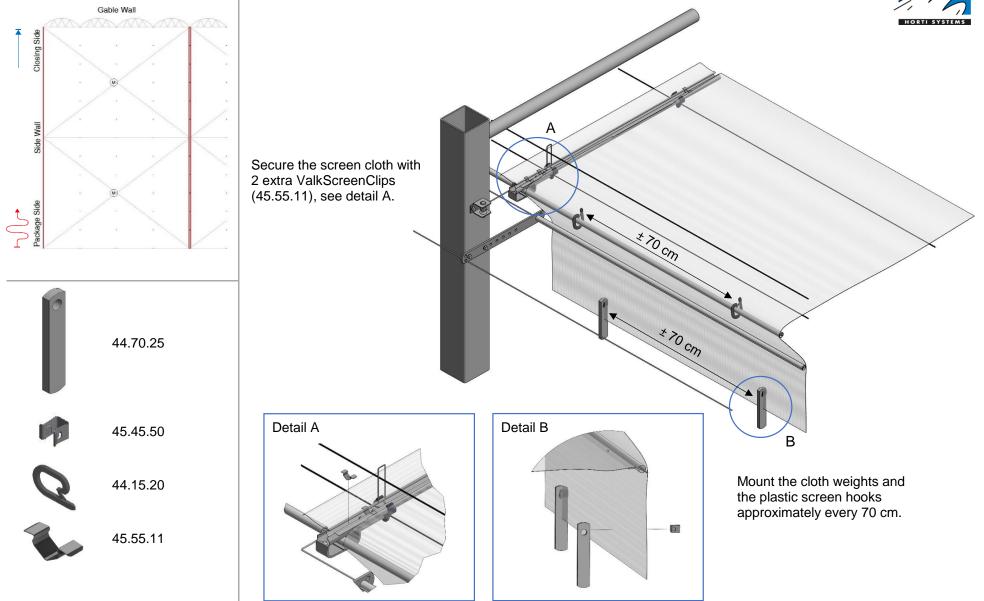


Screen Cloth - Closing side

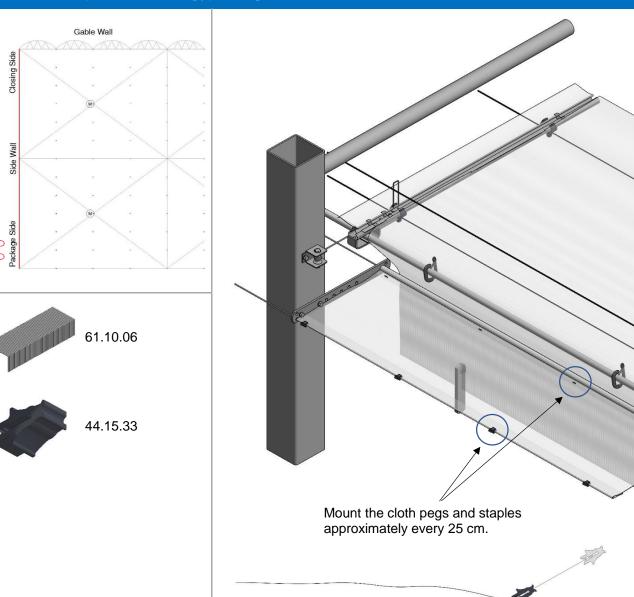


Cloth (Closed Energy) Hangdown





Cloth (Closed Energy) Hangdown



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Attention: The energy cloth needs to be installed before mounting the PVC clip pipe.

Cloth (Closed Energy) Hangdown

