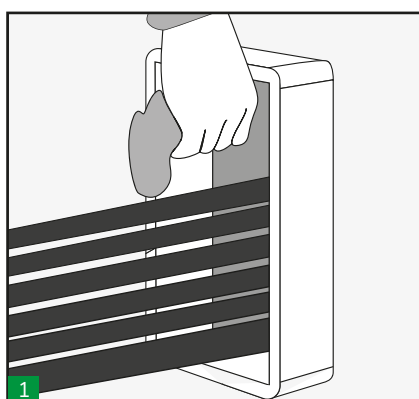
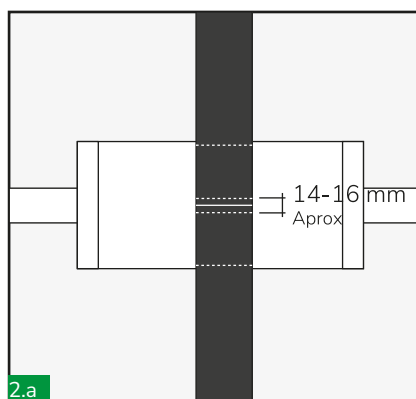




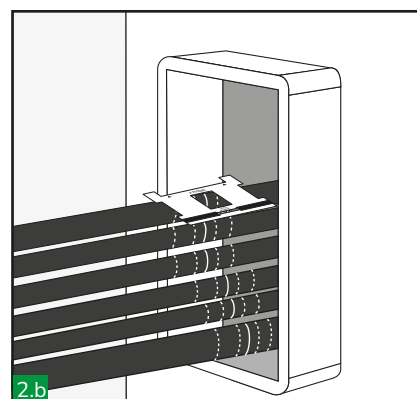
→ **RECTANGULAR EMC SYSTEM** Installation guide:



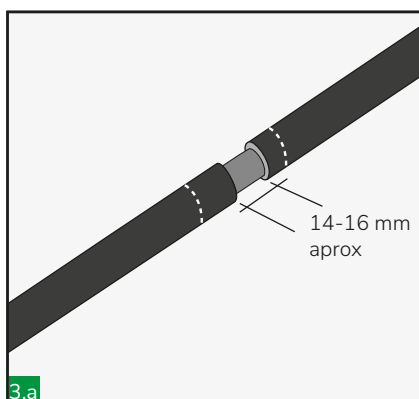
1
Make sure the frame is clean, then pull cables or pipes through, placing the largest at the bottom. (Note: Use open ended frame to fit around existing cables/pipes)



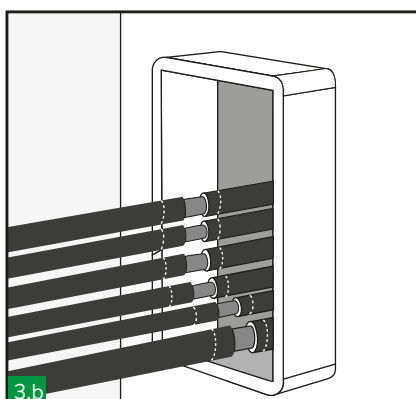
2.a
Mark each cable in the centre of the frame and 7-8mm either side of this point. Also, recommendable to mark the cable in both ends of the frame.
EMC marking tool could help you to reduce time and ensure a correct marking.



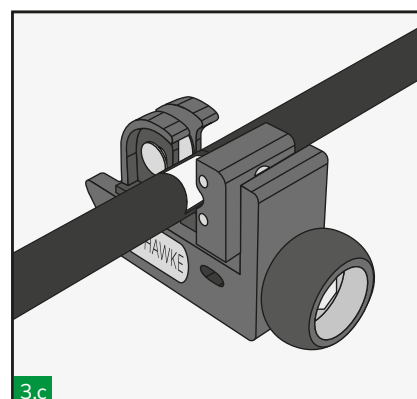
2.b



3.a



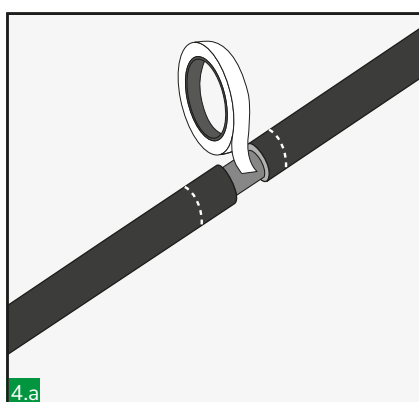
3.b



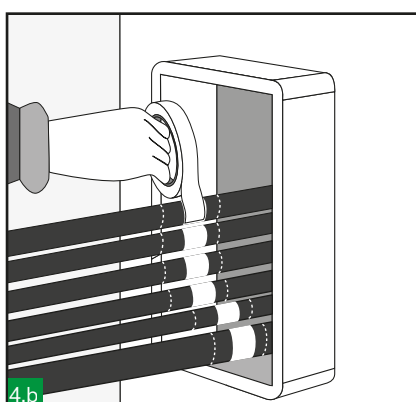
3.c

Cut and remove cable sheath between two central marks, to expose the cables conductive screen.

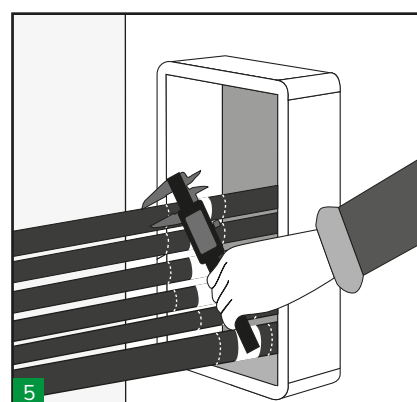
EMC cable sheath remove tool could help you to reduce time and ensure a correct cutting.



4.a



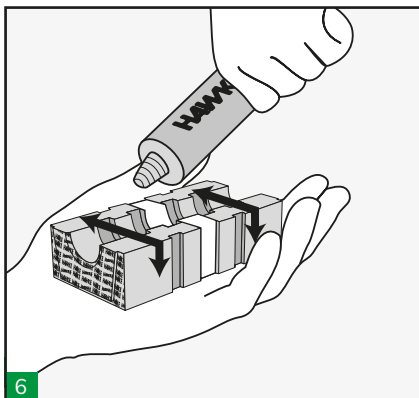
4.b



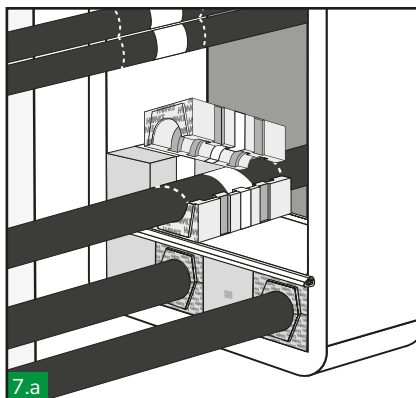
5

Using copper tape provided tightly wrap around the exposed screen until the cable outer diameter is regained. Repeat these steps for all cables.

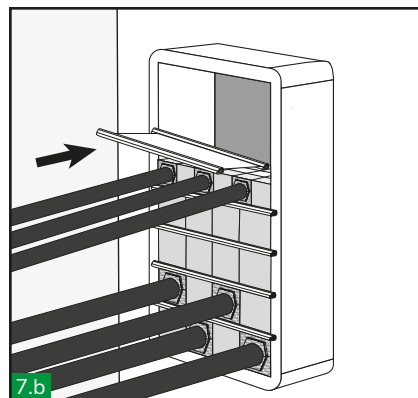
Take measures of cables diameters and select the appropriate HTS tolerant blocks.



Very slightly lubricate all the insert and blank blocks using HTS lubricant taking care not to contaminate the copper on blocks and cables.

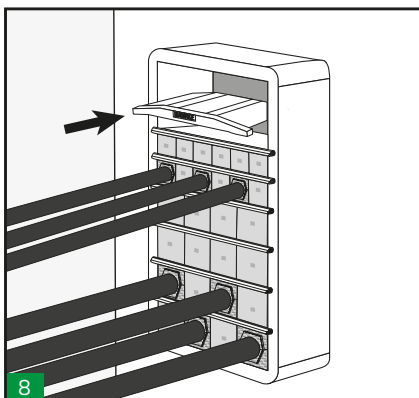


7.a



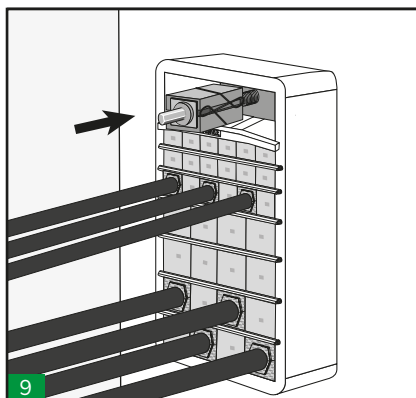
7.b

Begin packing the frame from the bottom to the top. A stayplate is always inserted between each layer of blocks. Blocks should not protrude out of the stayplates retaining lips. Ensure when fitting cables into blocks that copper tape on blocks and cable align. Marks in the cable will help to guarantee it.



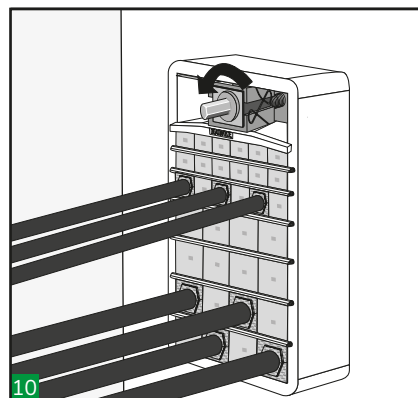
8

Insert the last stayplate and the compression plate before the last row of blocks (or earlier if required). Check frame packing space. Verify that the complete sealing area of this frame size (see table) will be filled with blocks.



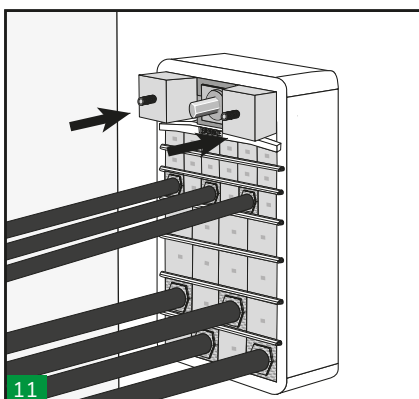
9

Pack the last row between the last stayplate and the compression plate. Insert the compression tool on the top, in the centre of the compression plate.



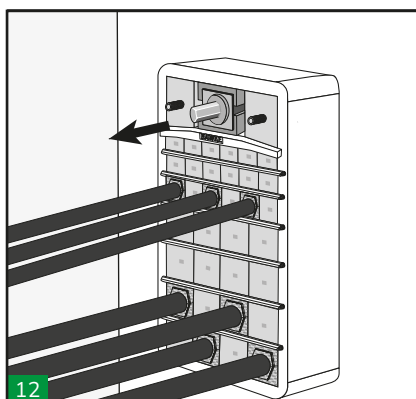
10

Tighten the compression tool until there is sufficient room to fit the outer blocks of the endpacker.

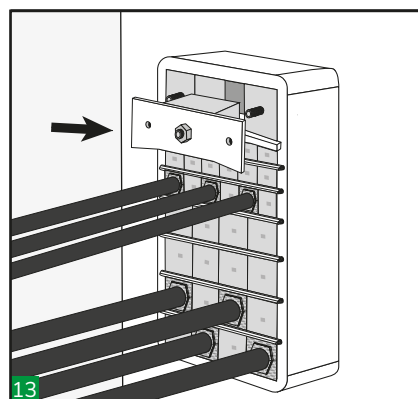


11

Insert the outer blocks of the endpacker. Then, untighten the compression tool and remove it.

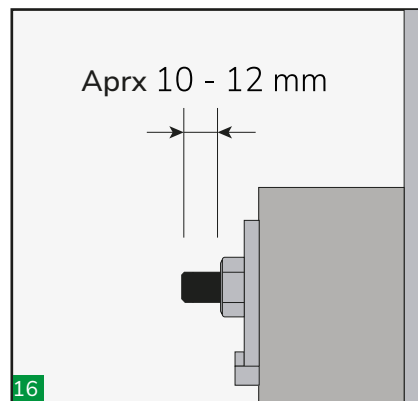
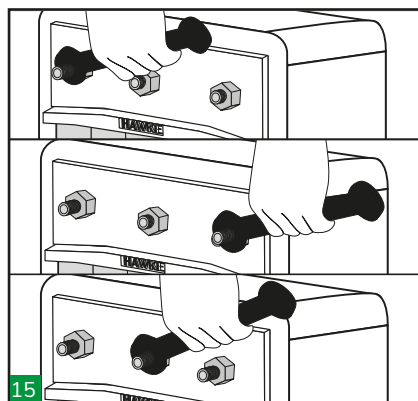
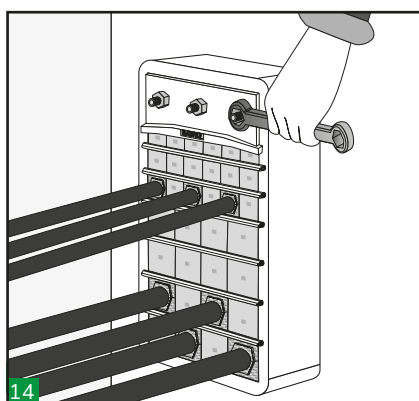


12



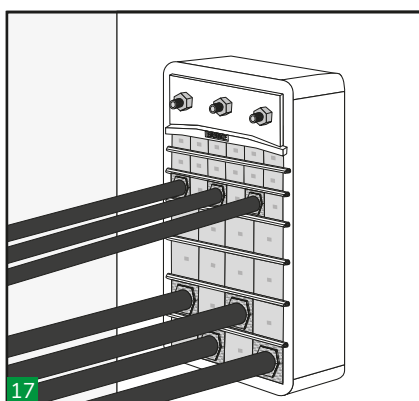
13

Insert the centre piece of the endpacker along with the front plate.



Tighten the nuts on the endpacking alternately following the above sequence to compress and complete the seal. Use a ratchet spanner for an easier installation.

Approximately 10-12 mm of thread should protrude on each bolt to ensure the sealing.

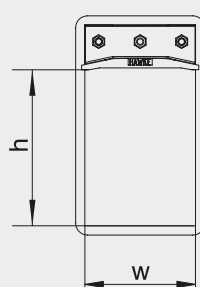


Make a visual inspection of the transit. Check that marks in all the cables are visible to guarantee blocks and cable copper tapes are aligned.

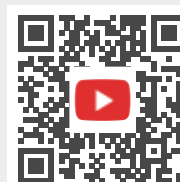
Notes

Leave the system at least 24 hours before applying pressure. For disassembly see disassembly installation instructions.

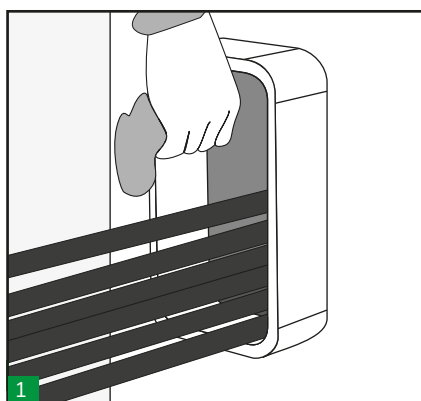
Sealing Area



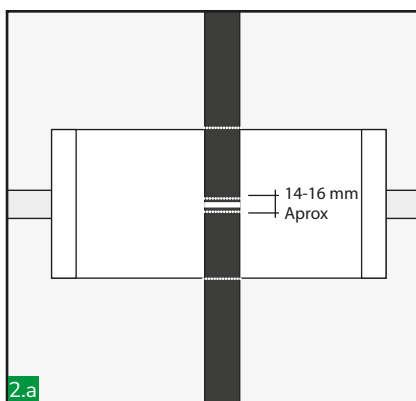
APERTURE SIZE	SEALING AREA (w x h)
1	60 x 60
2	120 x 60
3	60 x 120
4	120 x 120
5	60 x 180
6	120 x 180
7	60 x 240
8	120 x 240



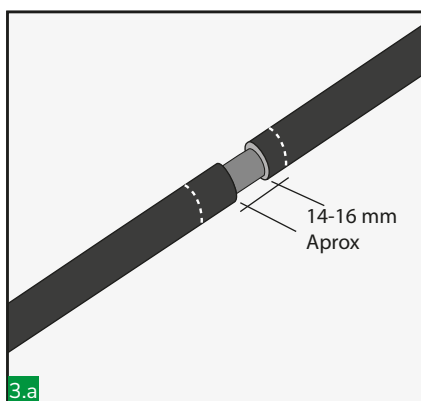
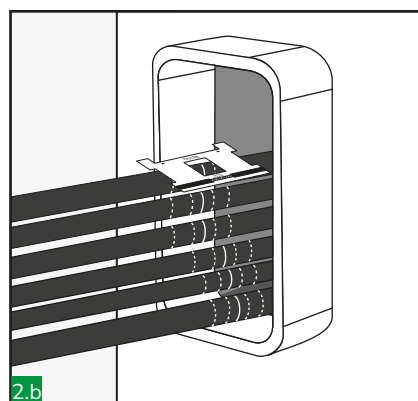
HMCX EMC SYSTEM Installation guide:



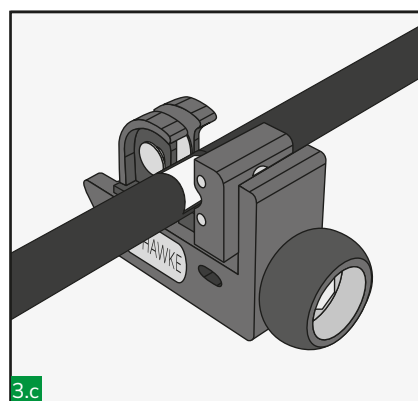
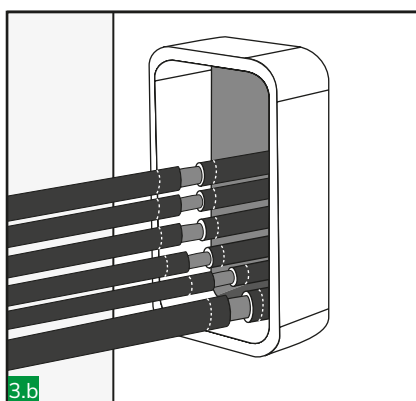
1
Make sure the frame is clean, then pull cables or pipes through, placing the largest at the bottom. (Note: Use open ended frame to fit around existing cables/pipes)



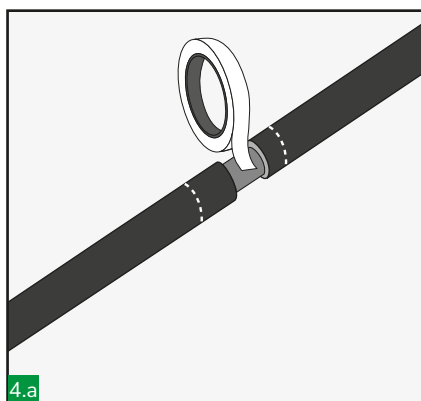
2.a
Mark each cable in the centre of the frame and 7-8mm either side of this point. Also, recommendable to mark the cable in both ends of the frame.
EMC marking tool could help you to reduce time and ensure a correct marking.



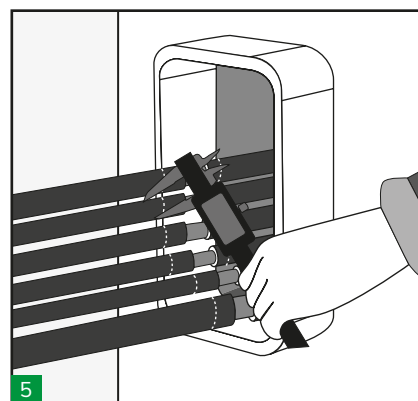
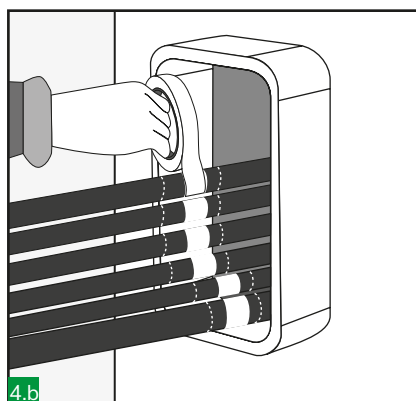
3.a
Cut and remove cable sheath between two central marks, to expose the cables conductive screen.



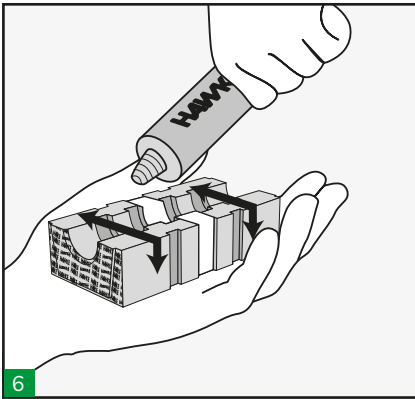
3.c
EMC cable sheath remove tool could help you to reduce time and ensure a correct cutting.



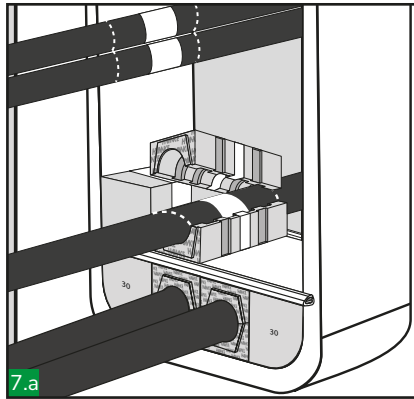
4.a
Using copper tape provided tightly wrap around the exposed screen until the cable outer diameter is regained. Repeat these steps for all cables.



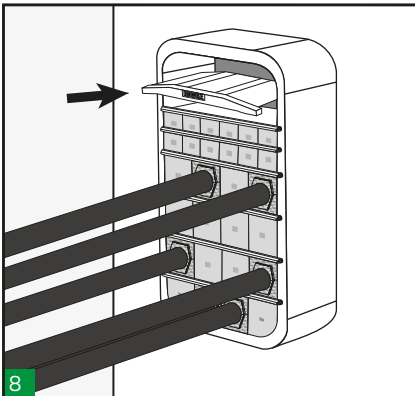
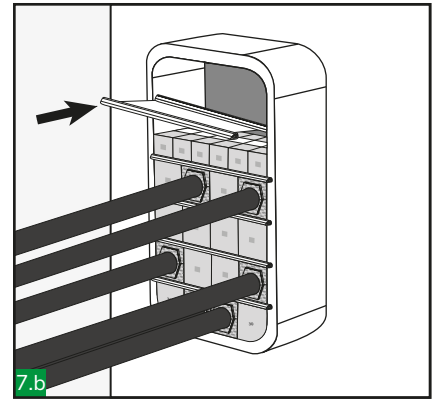
5
Take measures of cables diameters and select the appropriate HTS tolerant blocks.



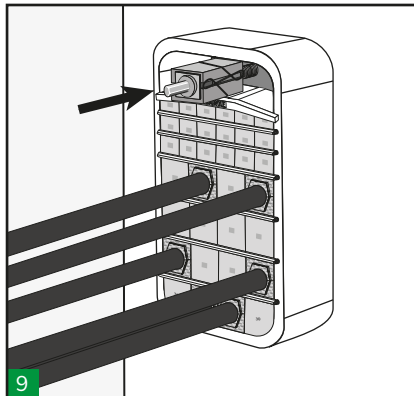
Very slightly lubricate all the insert and blank blocks using HTS lubricant taking care not to contaminate the copper on blocks and cables.



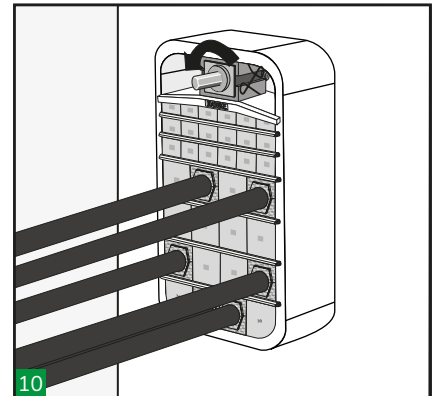
Begin packing the frame from the bottom to the top. A stayplate is always inserted between each layer of blocks. Blocks should not protrude out of the stayplates retaining lips. Ensure when fitting cables into blocks that copper tape on blocks and cable align. Marks in the cable will help to guarantee it.



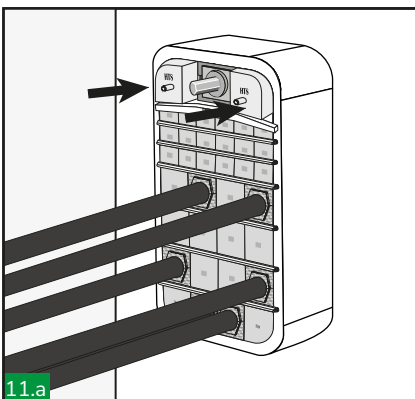
Insert the last stayplate and the compression plate before the last row of blocks (or earlier if required). Check frame packing space. Verify that the complete sealing area of this frame size (see table) will be filled with blocks.



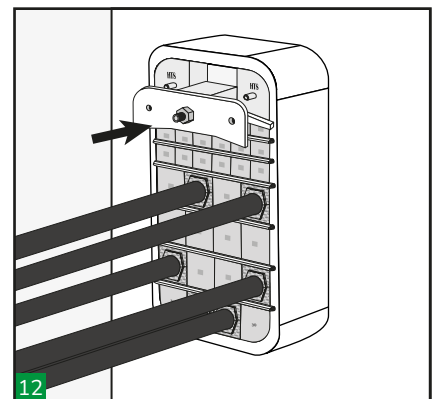
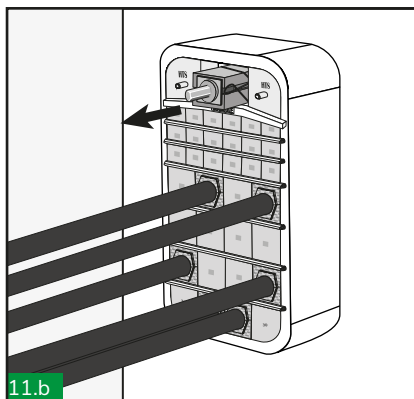
Pack the last row between the last stayplate and the compression plate. Insert the compression tool on the top, in the centre of the compression plate.



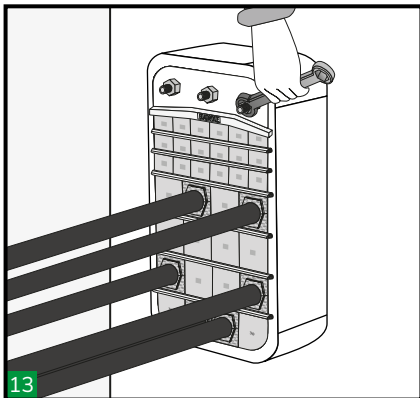
Tighten the compression tool until there is sufficient room to fit the outer blocks of the endpacker.



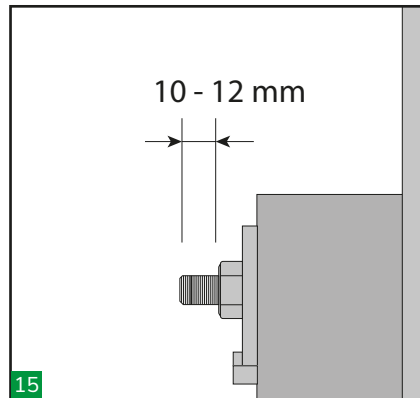
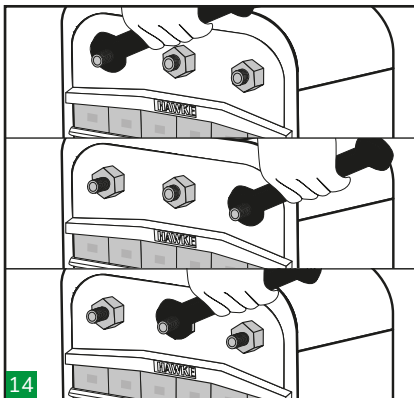
Insert the outer blocks of the endpacker. Then, untighten the compression tool and remove it.



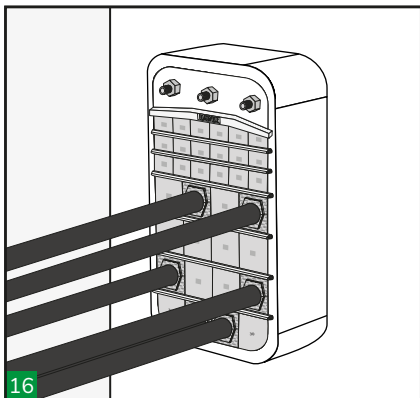
Insert the centre piece of the endpacker along with the front plate.



Tighten the nuts on the endpacking alternately following the above sequence to compress and complete the seal. Use a ratchet spanner for an easier installation.



Approximately 10-12 mm of thread should protrude on each bolt to ensure the sealing.



Make a visual inspection of the transit. Check that marks in all the cables are visible to be guarantee blocks and cable copper tapes are aligned.

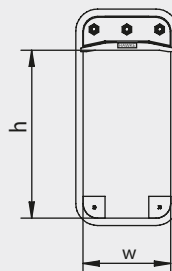


Notes

Leave the system at least 24 hours before applying pressure.

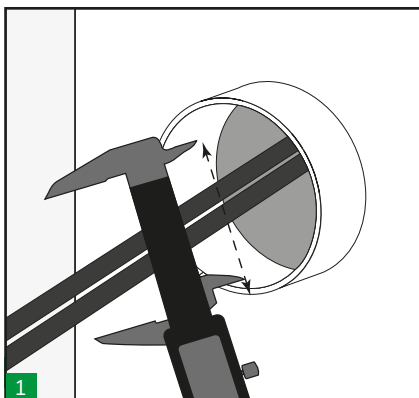


Sealing Area

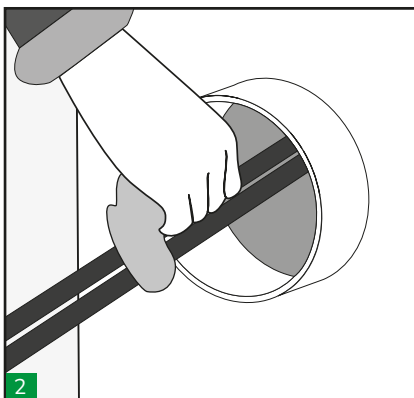


SIZE	SEALING AREA (w x h)
2	120x60
4	120x120
6	120x180
8	120x240

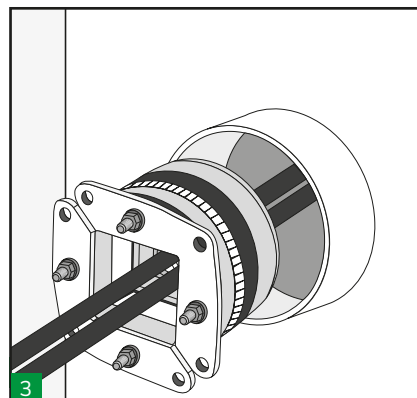
HRTO / HRT EMC ROUND SYSTEM Installation guide:



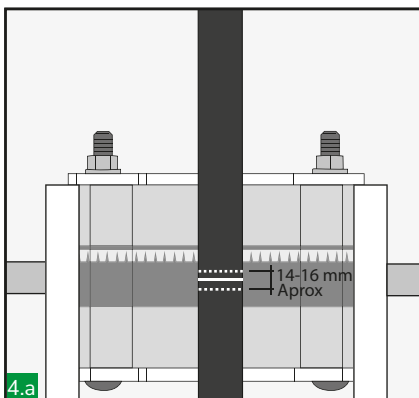
1 Measure the inside of pipe aperture to ensure that it is within the tolerance of the round transit frame to be used.



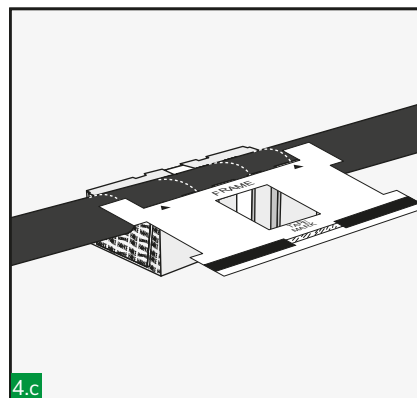
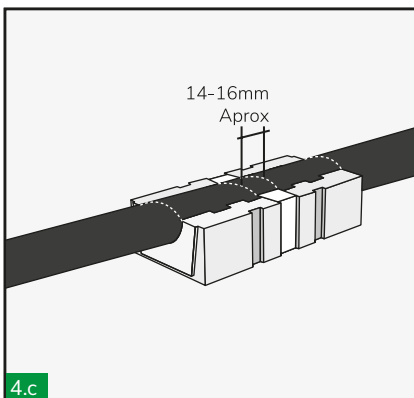
2 Make sure the frame is clean and there are not rust.



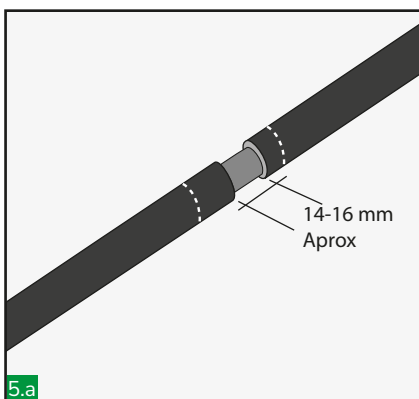
3 Insert the round transit frame completely in the sleeve around the cables and open the two front plates. (HRT030, HRT040 & HRT050 front plates are fixed). No lubricant should be applied to the aperture or outside of the frame.



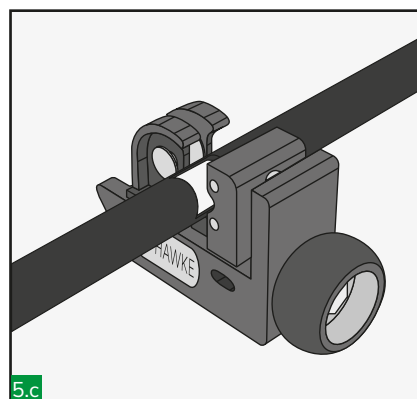
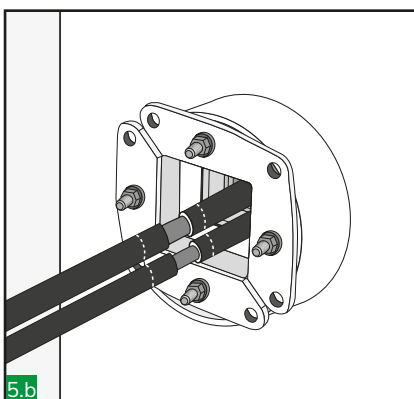
4.a Mark each cable in the centre of the frame and 7-8mm either side of this point. Also, recommendable to mark the cable in both ends of the frame.



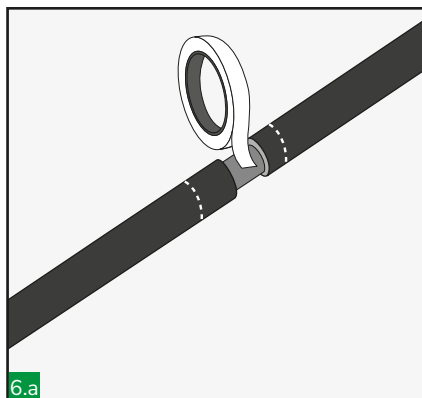
EMC marking tool could help you to reduce time and ensure a correct marking.



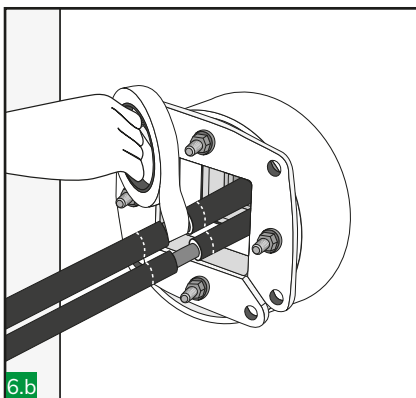
5.a Cut and remove cable sheath between two central marks, to expose the cables conductive screen.



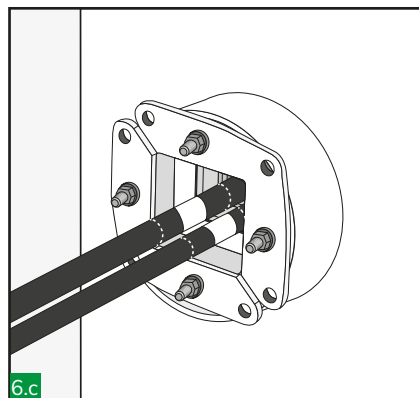
EMC cable sheath remove tool could help you to reduce time and ensure a correct cutting.



6.a

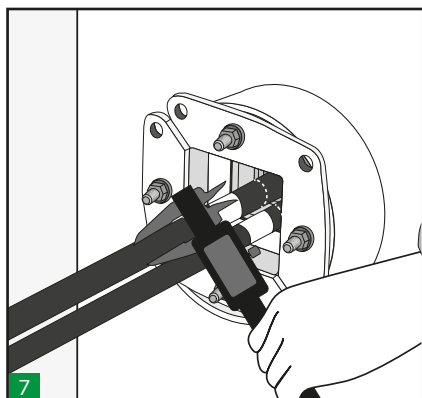


6.b



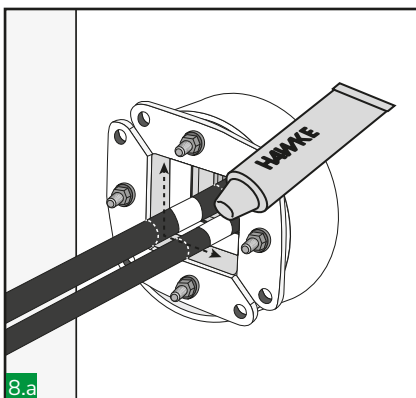
6.c

Using copper tape provided tightly wrap around the exposed screen until the cable outer diameter is regained. Repeat these steps for all cables.

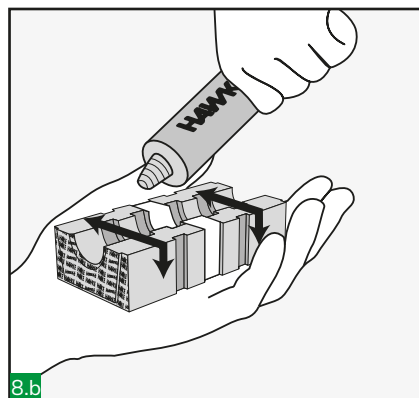


7

Take measures of the cables diameters and select the appropriate HTS Tolerant Blocks.

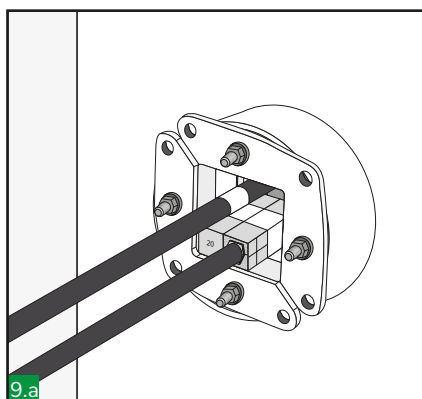


8.a

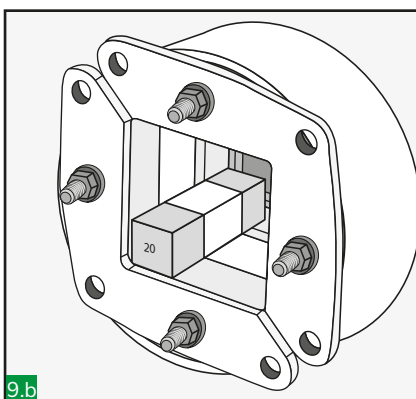


8.b

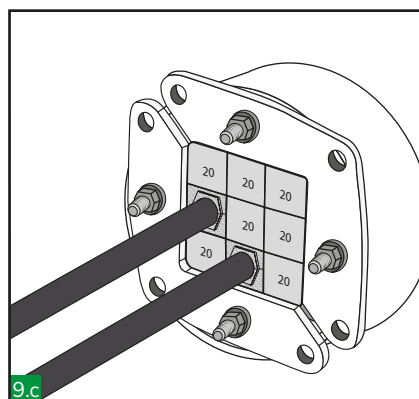
Lubricate the inside of the HRT0 and all the insert and blank blocks using HTS lubricant. Be careful don't contaminate the copper tape.



9.a

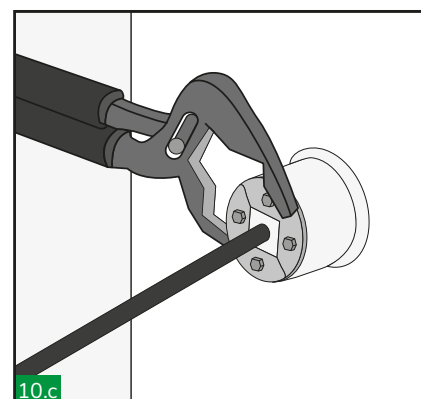
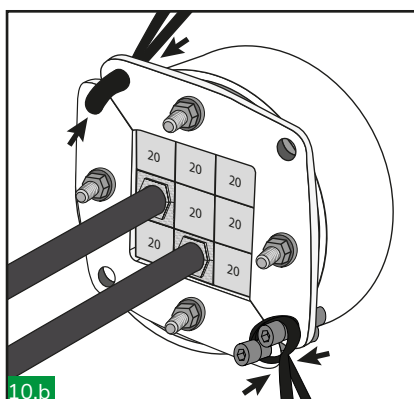
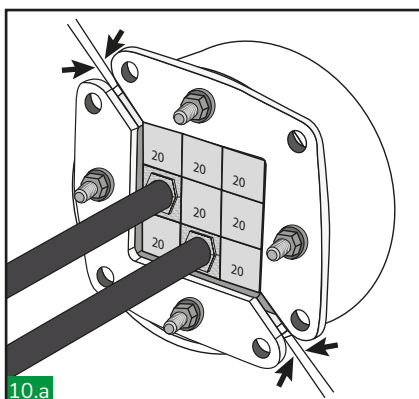


9.b



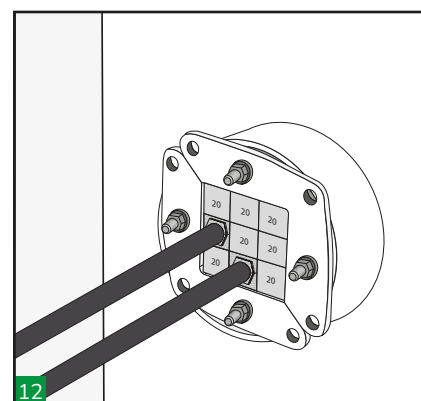
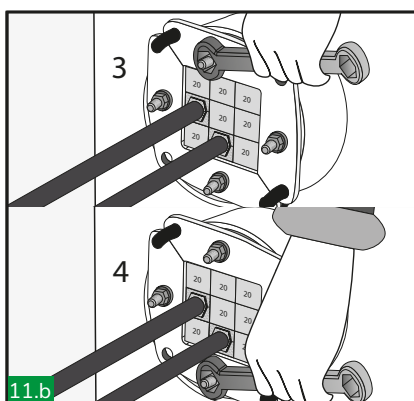
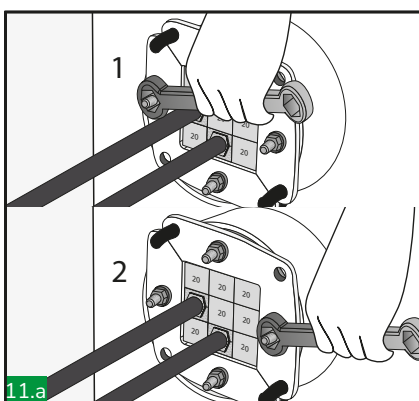
9.c

Begin packing the transit frame starting at the bottom and finishing at the top. Ensure that the blocks are pushed firmly against the rear retaining lip. Verify that the complete sealing area of this frame size (see table) is filled with blocks.



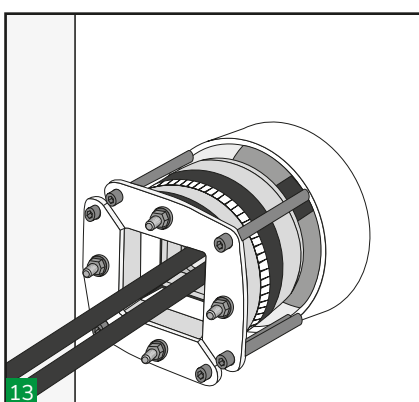
Slide the two front plates together and keep it fixed. Ensure all the blocks are located inside the front retaining lip.

For an easier installation, cable ties, bolts or adjustable pliers can be used to close this plates.



Tighten the nuts approximately 2mm each time following alternate tightening sequence, applying equal pressure to both plates.
A minimum of 10 mm of thread should protrude on each bolt.
Use a ratchet spanner for an easier installation.

Make a visual inspection of the transit.
Check that marks in all cables are visible to be guarantee blocks and cable copper tapes are aligned.

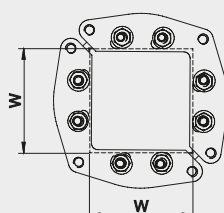


Extraction is achieved by releasing the compression, i.e. by reversing steps 10 and 11 and screwing M8 bolts (not supplied) into the threaded holes at each corner of the front plates. These releases the assembly from the aperture and allows the system to be disassembled.

Notes

Leave the system at least 24 hours before applying pressure.
For disassembly see disassembly installation instructions.

Sealing Area



TYPE	SEALING AREA (mm)
HRT0-30	15x15
HRT0-40	20x20
HRT0-50	30x30
HRT0-70	40x40
HRT0-100	60x60
HRT0-125	80x80
HRT0-150	90x90
HRT0-200	120x120

