

Installation instructions

Tripod Insulated Interception Air Rod

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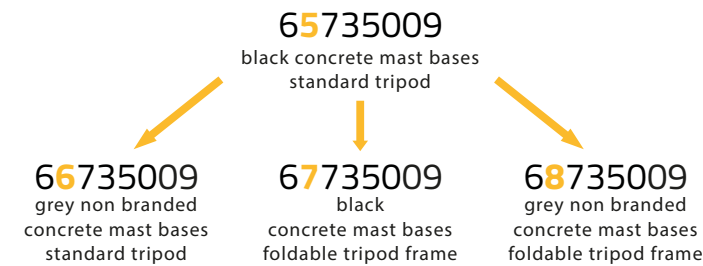
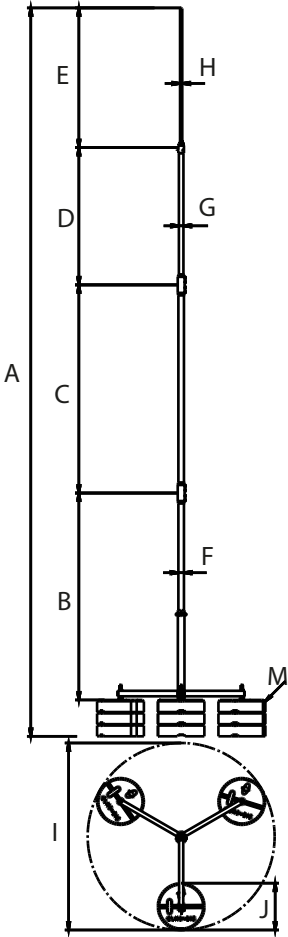
Product information

Tripod Insulated Interception Air Rod

For lightning protection of roof elements and devices (skylights, air conditioners, air handling units, air handling channels). Insulated Interception Air Rod for high voltage cable to be used at objects where there is no possibility to keep appropriate separation distance out of protected roof elements or electric devices. Made of aluminium pipe, insulation bar and 0,5 m aluminium spire.

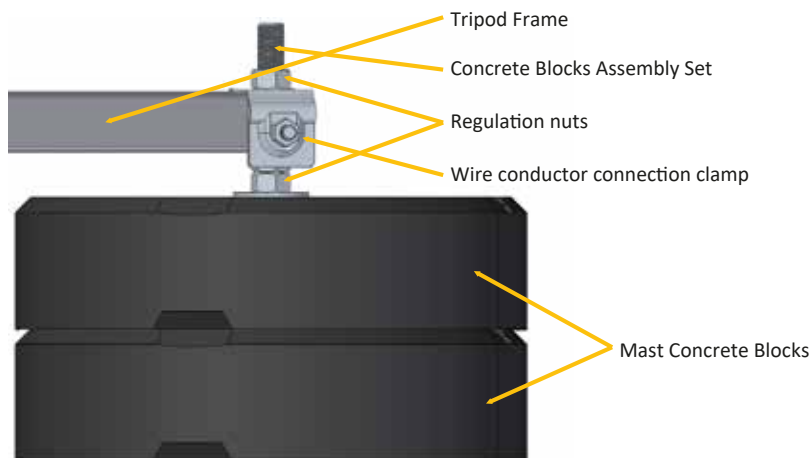
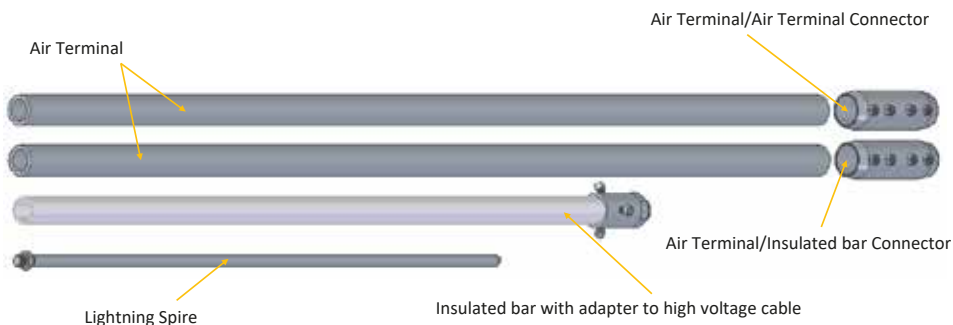
Tripod frame and concrete bases as support foundation, giving appropriate wind load resistance. Use concrete base pad underneath 44408208- to be ordered separately. In addition, we recommend using Concrete Base Pad 94308222 for roofs covered with tar board and 94308221 for roofs covered with membrane.

To order mast with foldable tripod frame construction or on grey non branded concrete mast bases, change second digit in the catalog number.



CATALOG NUMBER	TYPE	Hight	Wind loading	A	B	C	D	E	F	G	H	I	J	
65747009	65.7 4p cz WVM	7	133 km/h	7340	3000	2000	1500	500	40	32	16	ø1187	ø340	12x16 kg
65737009	65.7 3p cz WVM		116 km/h	7255	3000	2000	1500	500	40	32	16	ø1187	ø340	9x16 kg
65727009	65.7 2p cz WVM		96 km/h	7170	3000	2000	1500	500	40	32	16	ø1187	ø340	6x16 kg
65746009	65.6 4p cz WVM	6	157 km/h	6340	2000	2000	1500	500	40	32	16	ø1187	ø340	12x16 kg
65736009	65.6 3p cz WVM		137 km/h	6255	2000	2000	1500	500	40	32	16	ø1187	ø340	9x16 kg
65726009	65.6 2p cz WVM		113 km/h	6170	2000	2000	1500	500	40	32	16	ø1187	ø340	6x16 kg
65745009	65.5 4p cz WVM	5	191 km/h	5340	3000	----	1500	500	40	32	16	ø1187	ø340	12x16 kg
65735009	65.5 3p cz WVM		166 km/h	5255	3000	----	1500	500	40	32	16	ø1187	ø340	9x16 kg
65725009	65.5 2p cz WVM		138 km/h	5170	3000	----	1500	500	40	32	16	ø1187	ø340	6x16 kg
65724009	65.4 2p cz WVM	4	175 km/h	4170	2000	----	1500	500	40	32	16	ø1187	ø340	6x16 kg
65714009	65.4 1p cz WVM		128 km/h	4085	2000	----	1500	500	40	32	16	ø1187	ø340	3x16 kg
65713009	65.3 1p cz WVM	3	175 km/h	3085	1000	----	1500	500	40	32	16	ø1187	ø340	3x16 kg

Assembly set components



Required tools



13 mm
spanner



16 mm
spanner



2x 24 mm
spanner



36 mm
spanner

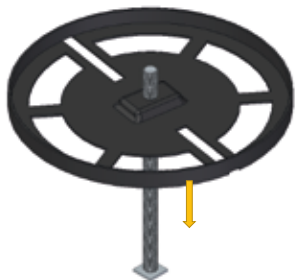


1 person



10 minutes

①



To use underneath concrete blocks protection pads (ordered separately), apply the pad onto assembly pin first.

②



Apply concrete blocks afterwards. Make sure blocks are properly fitted into the pads.

③



Apply rest of concrete blocks, to obtain required loading.

④



Insert washer and nut M16 onto assembly pin.

⑤



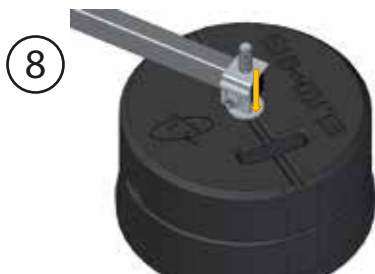
Tight the nut M16, make sure all parts cling to each other.



Assemble regulation nut M16 and washer M16 afterwards.



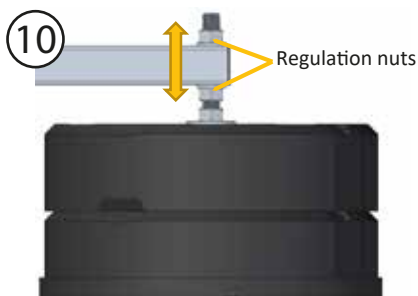
Repeat previous steps for each assembly element in the set, afterwards insert a tripod frame the way its shown on a drawing.



Insert wire conductor connection clamp



Apply and tight the nut M16 and second regulation nut M16, to all assembly elements.



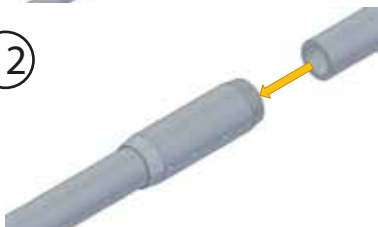
Level the mast using regulation nut M16.

11



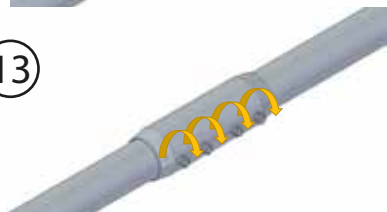
Insert mast connector on the first end.

12



Connect the second end.

13



Insert and tight M8x12 screws into the threaded holes of connector.

14



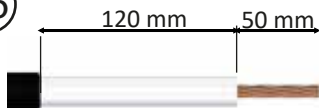
Tight M8 lock nuts.

15



Apply insulated bar similarly

16



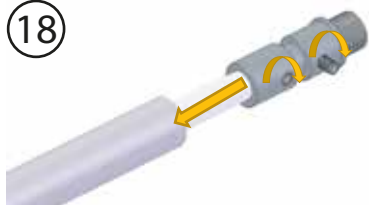
Remove all insulation layers of the cable on a distance of 50mm, than using a peel off tool remove 2 outside cable layers on the distance of 120mm.

17



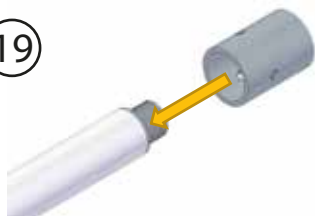
Insert a cable inside the air terminal and apply connector to the limit.

18



Apply glue onto the M8x12 screws and tight them up sensitively.

19



Apply to the limit insulated bar end tip onto the outstanding thread of connector.

20



Apply to the limit nut M24 onto the thread of connector.

21



Insert the lightning spire into the inner hole of the connector.

22



Tight up the nut .

23



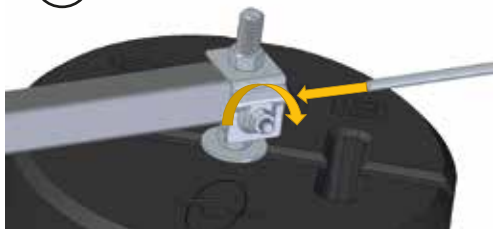
Sensitively tight up all screws.

24



In the upper part of tripod holder apply C profile clamp and tight up.

25



Insert wire conductor into connection clamp and tight up using nut M10.

Maintenance

We hereby inform, condition to keep warranty for Elko-bis products its appropriate maintenance. All connectors and torsion parts of the mast need to be checked and tight up properly, ensuring stability of whole construction. Parts to be also maintained by using and applying technical vaseline (cat.num.99500199) To be applied every 12 months.