

New Composite Technologies

ManyPole⁷

fast&easy

LIGHTNING PROTECTION MAST

Assembly instructions

Lightning Protection Mast

ManyPole 7 is an effective and cost-efficient solution for protecting structures against the damaging effects of lightning strikes. It is ideally suited for use with buildings classified under Lightning Protection Levels (LPL) III and IV. For buildings requiring Lightning Protection Levels I and II, the required length of the grounding electrode should be verified in accordance with the applicable standards and site conditions.

The lightning protection mast is supplied with the following components: a down conductor, polyurethane plug, rope adapter, air-termination adapter, vertical air terminal, rope, fastening elements, nuts, clamping and adjustment screws, drainage pipe, and galvanized grounding rods (earth electrode).

STAGE 1: Prepare the tools



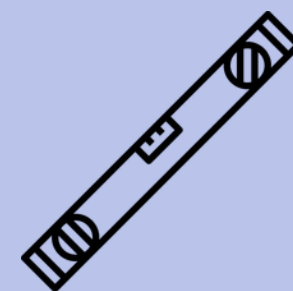
work gloved



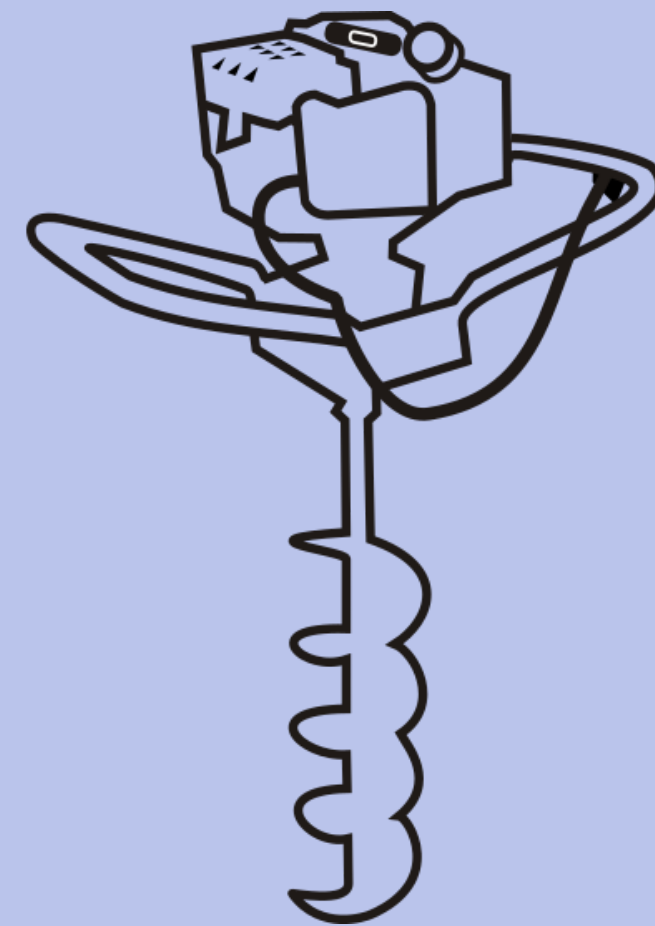
safety goggles



Allen keys (hex keys),
2.5 mm and 4 mm.



spirit level



earth auger



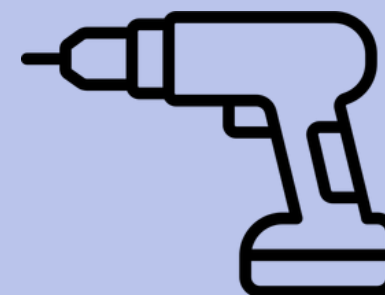
screwdriver



open-end wrenches
(13 mm and 24 mm)"



manual hammer

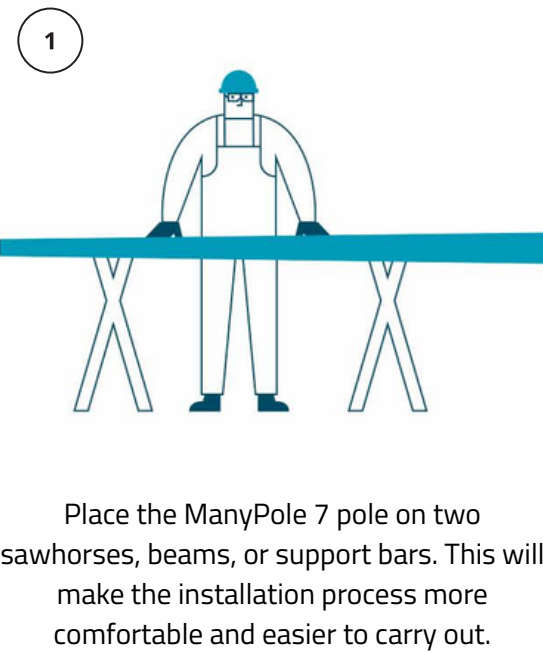


cordless screwdriver

STAGE 2:
Begin the assembly

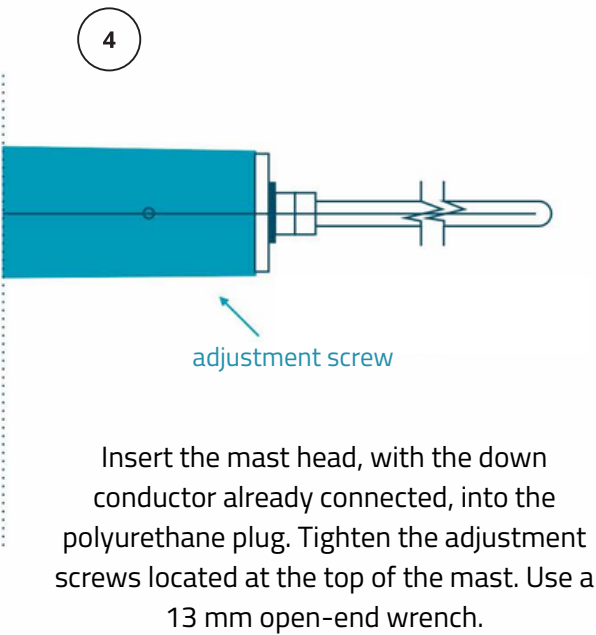
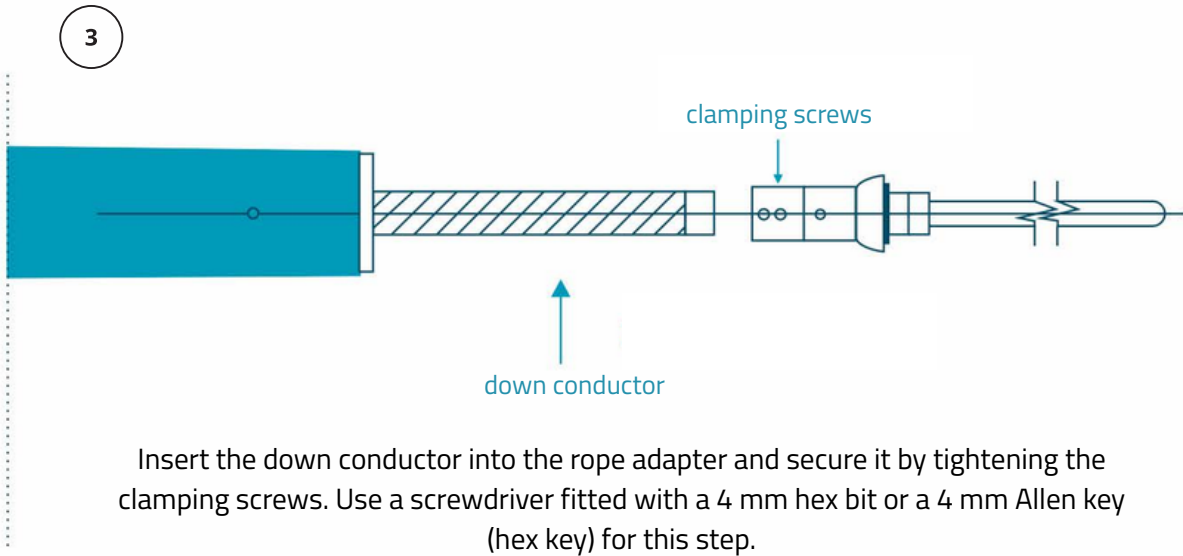
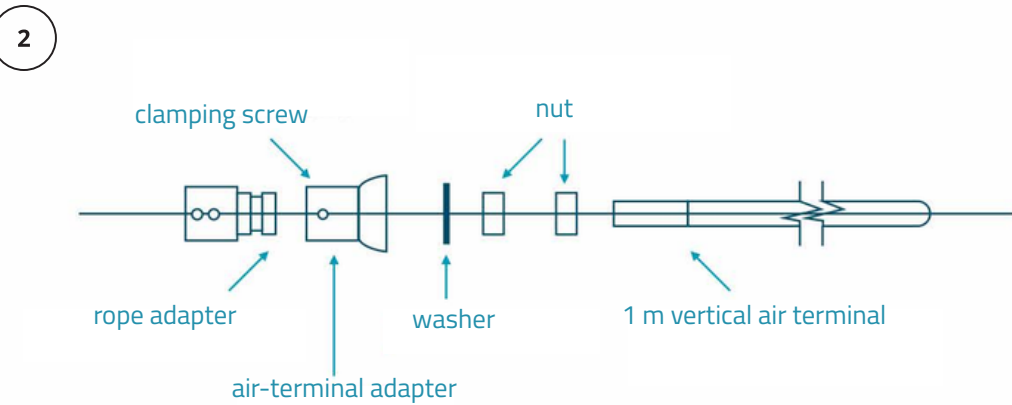
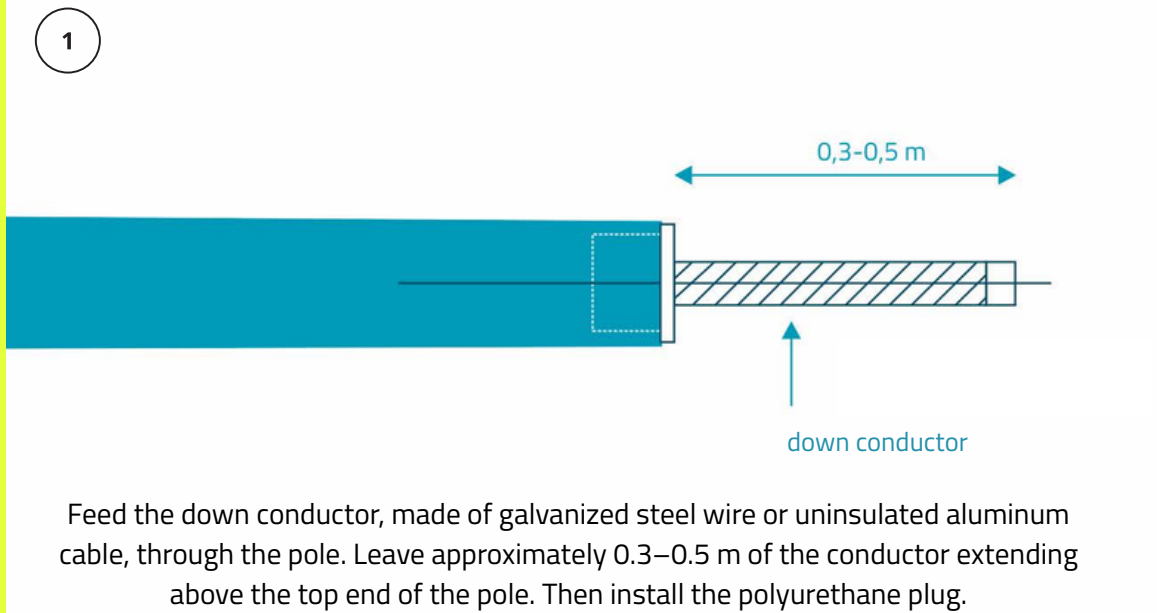
STEP I

Pole preparation



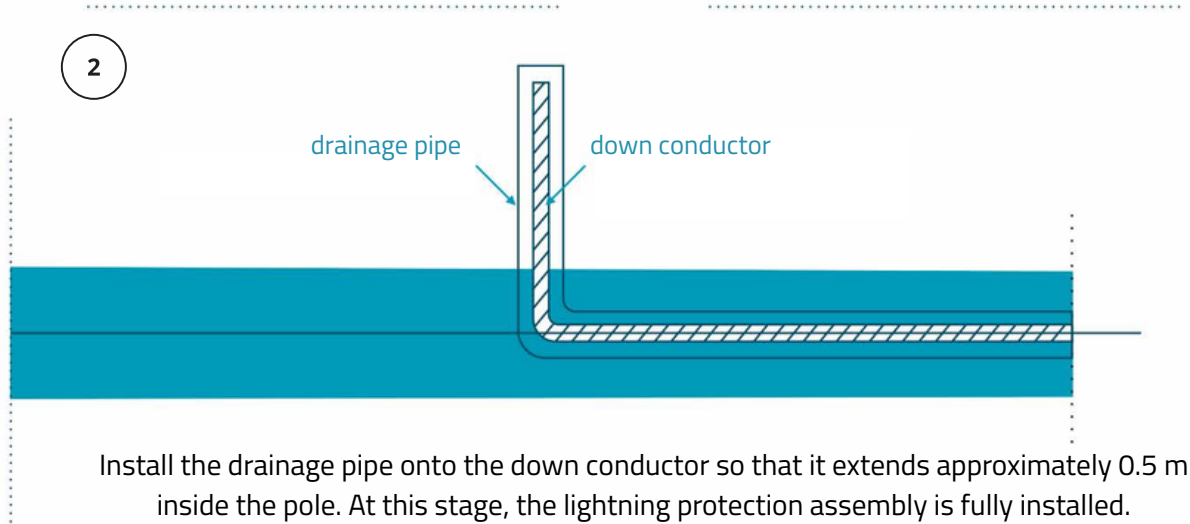
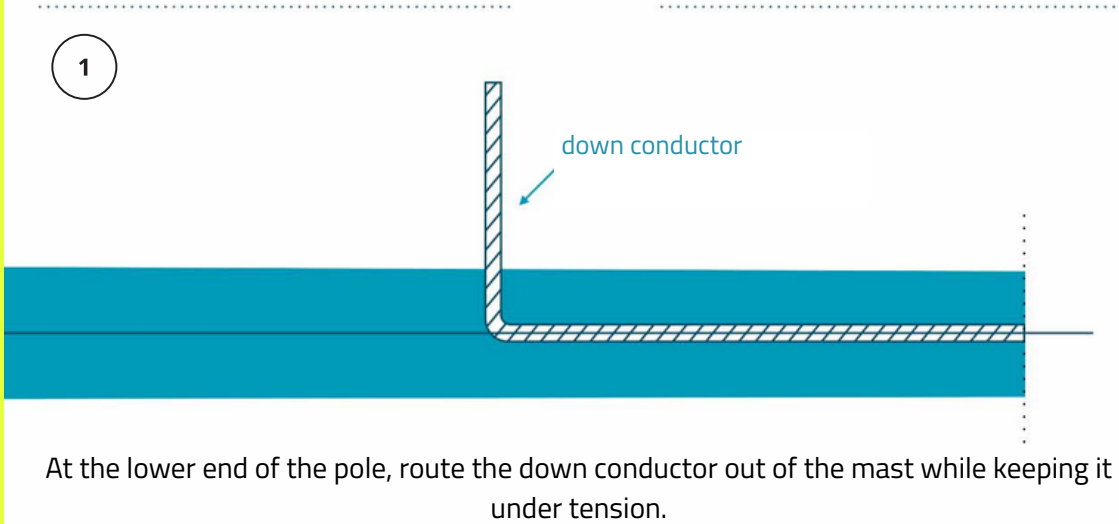
STEP II

Mast head assembly



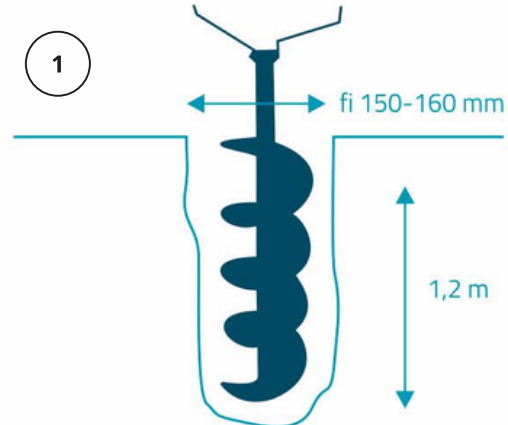
STEP III

Mast base installation

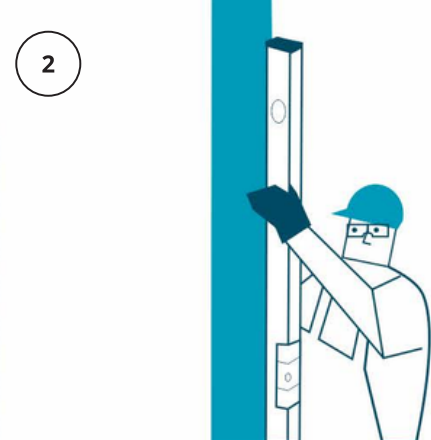


STEP IV

Setting the Pole in the ground



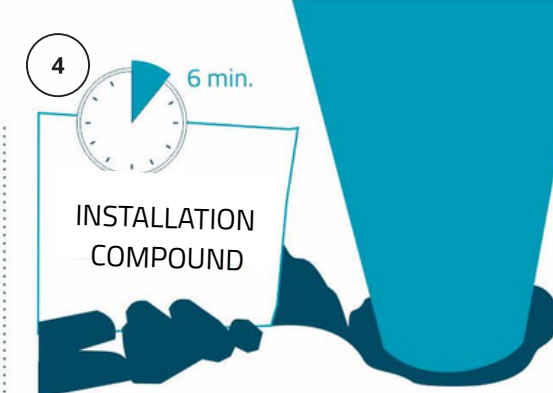
Using an earth auger, drill a hole with a diameter of 150–160 mm to a depth of 1.2 m.



Place the pole into the prepared hole, then align it vertically and ensure it is properly levelled.



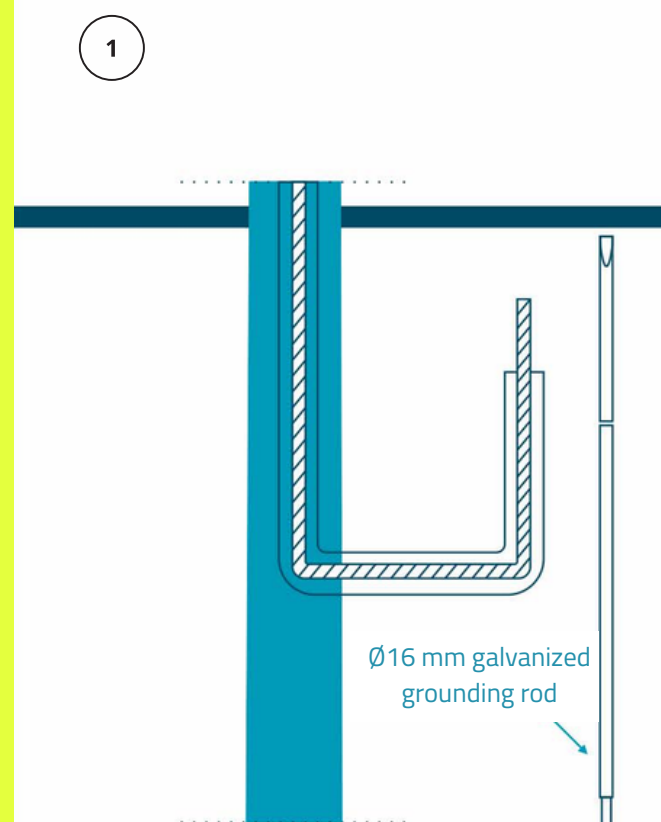
Vigorously mix the bags containing the installation compound for approximately 20 seconds.



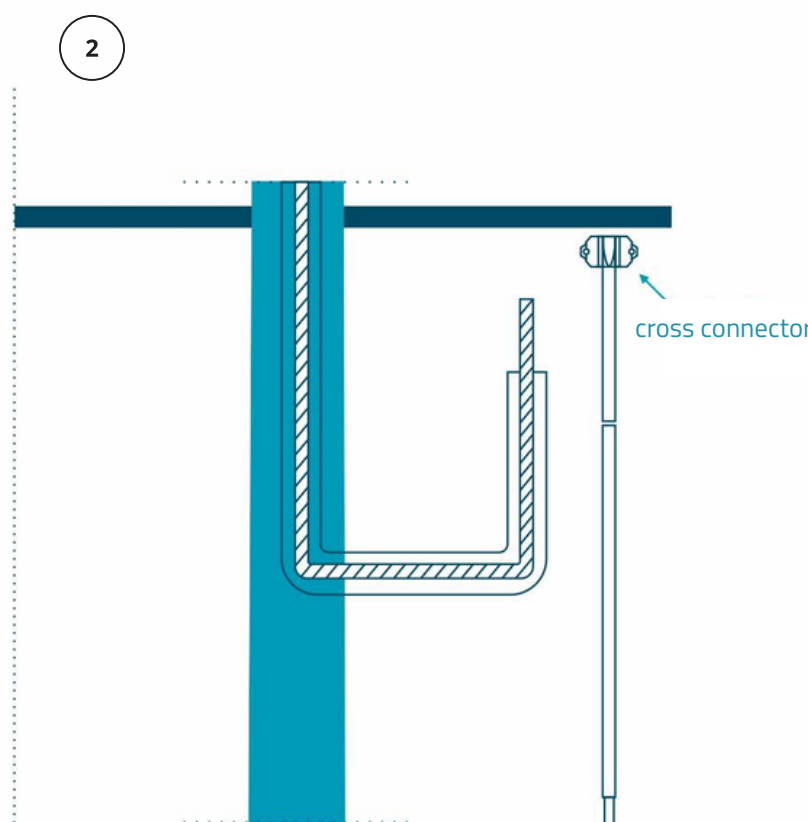
Pour the contents of the package into the hole and wait for the compound to expand and harden (approximately 6 minutes).

STEP V

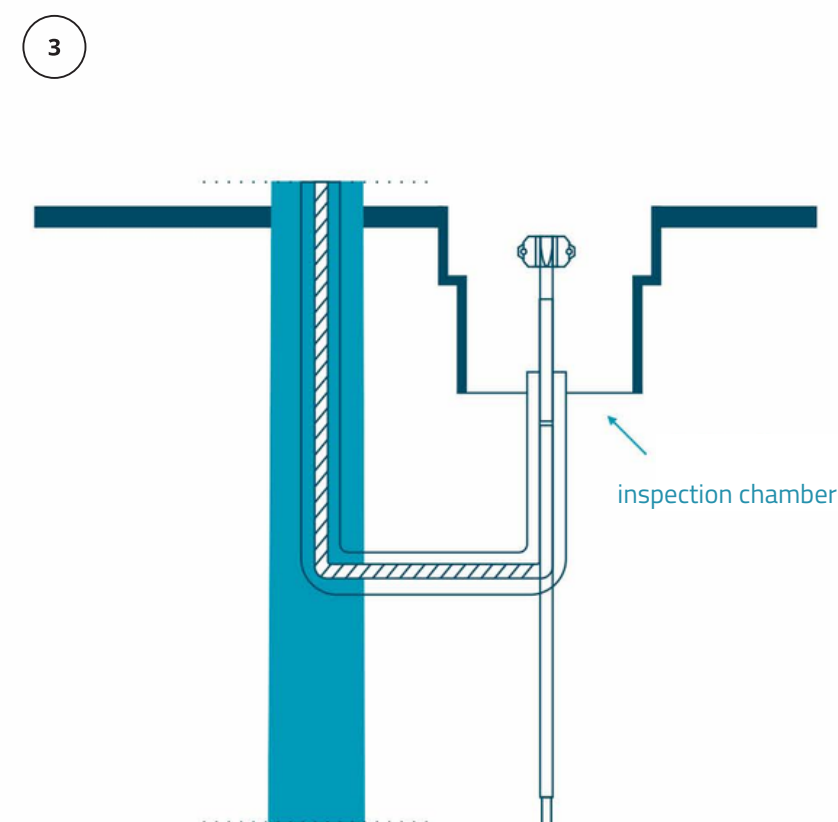
Grounding system installation



Drive two galvanized grounding rods with a diameter of 16 mm and a pointed tip into the ground. When installing them with a hand hammer, it is recommended to use a driving cap. If using a demolition hammer or rotary hammer, use a grounding rod driving adapter. These accessories help protect the galvanized coating from damage during installation.



Connect the galvanized grounding rod to the down conductor using a stainless-steel cross connector. When tightening the bolts, use a 13 mm open-end wrench.



Install the inspection chamber to protect and mark the connection point between the grounding electrode and the mast's down conductor.

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**ANY QUESTIONS?
REACH OUT TO US!**

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