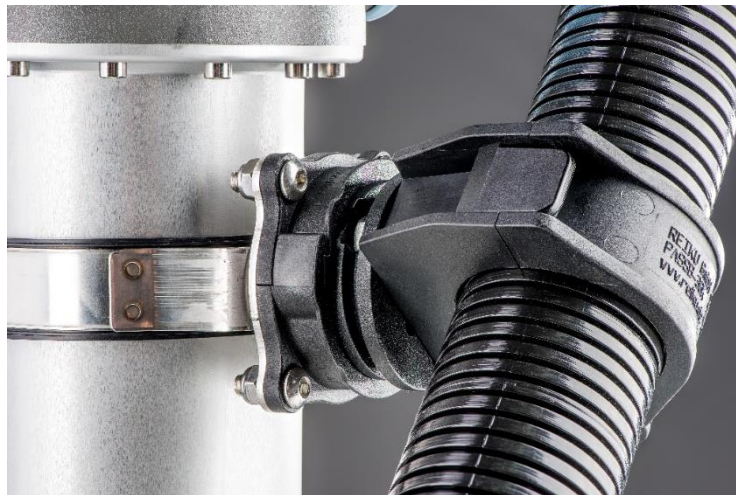




# REIKU Collaborative Robot Kit Installation Suggestions

- Video instructions are available in the video library section of [www.reikuna.com](http://www.reikuna.com)
- or directly access on YouTube at <https://www.youtube.com/playlist?list=PL1kBbUiDvvl1eAcNxQxM7-zfXwDO31B>

*Installation suggestions for REIKU Cobot Cable Management Kit equipped with METAL Strap (MESUB) version*



**Step 1-** Secure the PASSB Style Gripping Clamp (with the 2 screws provided) to the outer 2 mounting hole positions on the of the two x MESUB Metal Straps.



**Step 2-** Unscrew the clamping bolts that hold the two halves of the MESUB metal straps together



**Step 3.** Place the assembly with the larger diameter MESUB metal strap around the lower/base Cobot arm in the general vicinity that the cables and hoses are to be routed and then tighten securely.



**Step 4-** Repeat this process and install the second Gripping Clamp / MESUB assembly onto the upper CoBot arm in the general vicinity that the cables and hoses are to be routed and then tighten securely.



**\*An additional third clamp assembly can be added to the upper CoBot arm for heavier conduit loads or for applications that involve high dynamics.**

**Step 5-** Install / snap the two halves of the Middle Jaw set together onto the conduit in the area where you wish the Gripping Clamp to hold the conduit on the CoBot. Position the Middle Jaw into the groove inside the Gripping Clamp and then close the Gripping Clamp. The conduit will now rotate in a radial direction inside of the Gripping Clamp to release any torsion load.

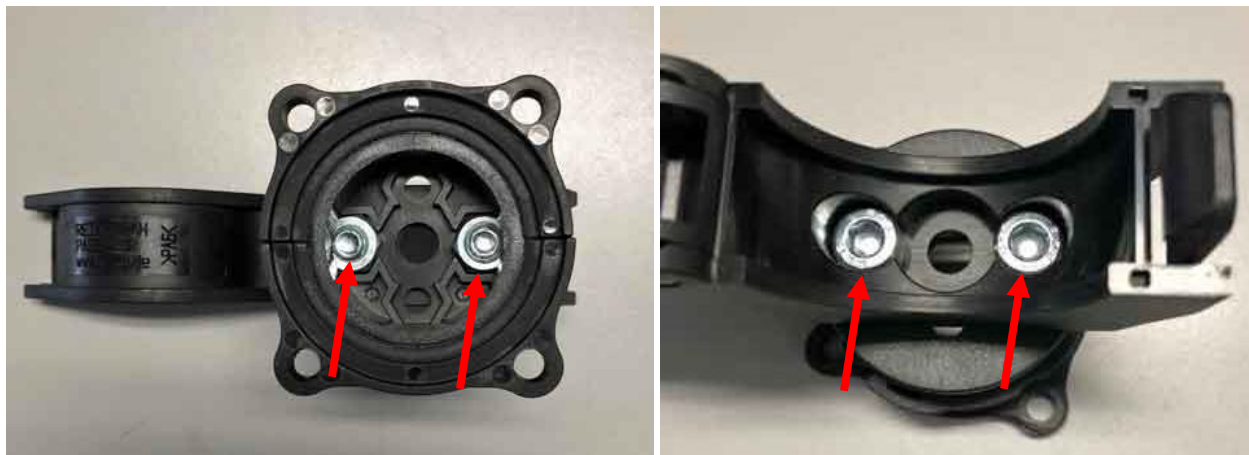


**Step 6-** Insert the supplied PEDST Sealing Cap into the conduit end which is at the base of the CoBot as this will create a smooth radius edge.



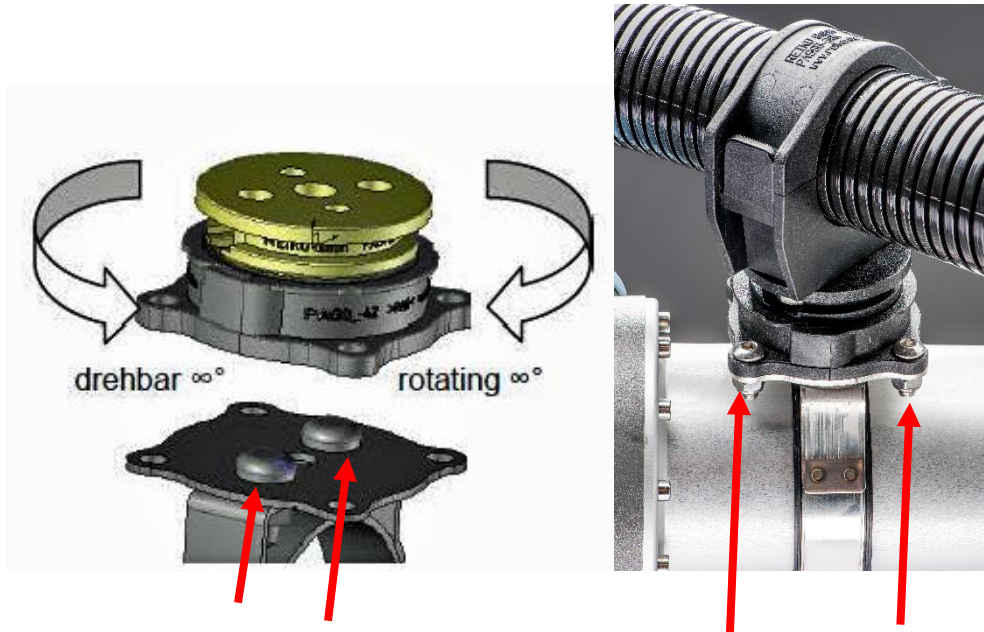
**Step 7-** Each MESUB metal strap kit comes complete with 1 x VAAFM-42 Flat Mounting Plate and a PADFB-42 Rotary Flange Assembly. This assembly acts as a “Lazy Susan” that can be installed under either of the Gripping Clamps so that that assembly will rotate on it’s base axis to better follow the Cobot movements. After observing the Cobot cycling at operation speed consider if either of the Gripping Clamps would benefit from being able to rotate on it’s base axis.

Open the Gripping Clamp, pull the conduit out and remove the two screws holding the clamp to the MESUB metal band. Attach the Gripping Clamp to the top of the PADFB-42 Rotary Flange using the same 2 screws you have just removed and the 2x M8 nuts provided with the VAAFM-42/PADFB-42.





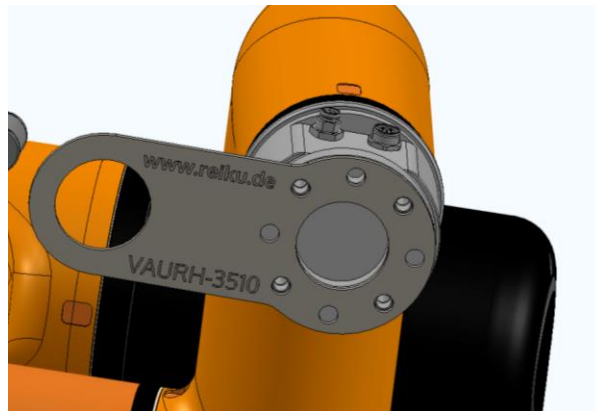
**Step 8-** Attach the VAAFM-42 Mounting Plate to the MESUB- metal band where the Gripping Clamp was just removed. Then bolt the Gripping Clamp/PADFB-42 Rotary Flange assembly to the VAAFM-42 Mounting Plate.



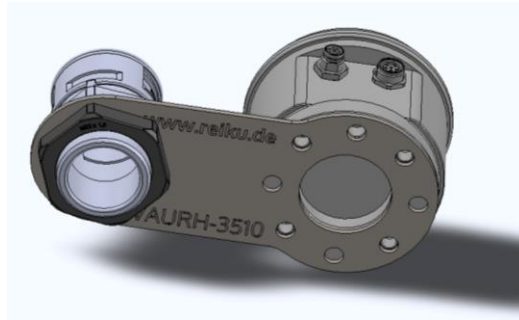
The VAAFM-42 Mounting Plate is secured to the top of the MESUB using the 2 x 10mm long M8 cap head screws provided

The PADFB-42 Rotary Flange is secured to the top of the VAAFM-42 Mounting plate with the 4 x M6 screws and nylock nuts provided.

**Step 9-** Attach the REIKU “Frying Pan” bracket to the CoBot faceplate.



**Step 10-** Insert the REIKU conduit connector into the hole in the “Frying Pan” with the threads facing away from the CoBot and secure with the supplied locknut.



**Step 11-** Insert the REIKU conduit into the connector and install cables and hoses.

