Quick Release Coupling QR-03 Assembly Instruction
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1. GENERAL TERMS

The following information gives an instructive view on how to handle the Quick Release Coupling QR-03 and the assembly process.

The specified regulations have to be obeyed all time to ensure a proper performance of the equipment.

Krontec GmbH accepts no liability for any damage caused by improper handling whilst working with the refueling system.
2. COMPONENTS

Components, which are required for the installation of the connector:

A  Quick release coupling steering wheel QR-03
B  Spacer
C  Plug QR-03-ST22 PN-MOD
D  O-Ring 21x1 mm
E  Plug QR-03-ST22 SN-MOD
F  QR-31 (Weld boss)
1. Push the spacer onto the plug QR-03-ST22 PN-MOD up to its stop.

2. Mount the O-Ring 12x1mm onto the plug QR-03-ST22-PN MOD.

The O-Ring ensures the clearance that is necessary between the components, so the plug will sit 100% correctly.

3. Insert the plug QR-03-ST22-PN MOD into the plug QR-03-ST22-SN MOD.

4. Insert a grub screw M3x6mm into the weld boss QR-33. Just screw in the first two pitches of the thread.

After the assembly is completed, the O-Ring can be removed from the plug again!
5. Push the plug QR-03-ST22-SN MOD up against block into the male counterpart.

6. The slot of the connector should aim onto the flat face of the QR-detail!
   Tighten the grub screw (hand tight), that get inserted during step 4.

Focus on the Orientation of the connectors slot.

7. Insert the plug QR-03-ST-22-PN MOD into the plug QR-03-ST22-SN MOD.

8. Push the female part QR-03 onto the assembly.
9 Mount the assembly into a vice, as shown in the images below.

To fix the position of the plug, insert a grub screw M3x6mm to the thread. Make sure to tighten the assembly firmly!

Additional information:
If necessary, the plug can be glued into the coupling with use of an appropriate instant- or multi-part adhesive.

This should be decided depending on the existing operating conditions!

10 Remove the assembly from the vice again. Female and Male part can now be disconnected.

11 Remove the O-Ring 12x1mm that got inserted from the plug QR-03-ST22-PN MOD again.
The plugs are now successfully mounted and the QR-03 is ready to use.