



User Guide

Hose Assembly Tool

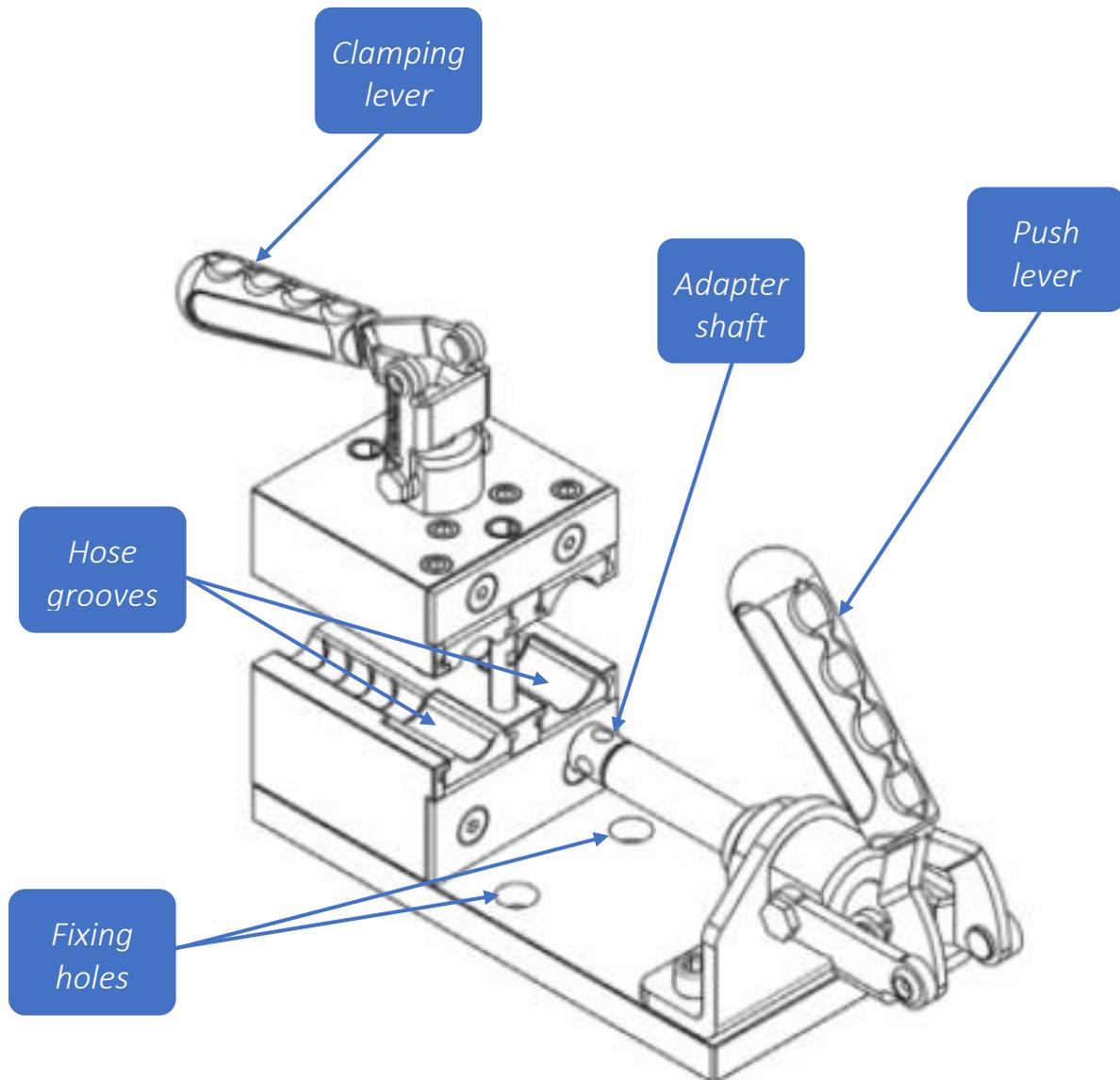




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1. Item description



Clamping lever:

Used for clamping the hoses in the hose grooves

Push lever:

Used for pushing the coupler into the hose in the hose grooves

Adapter Shaft:

Adapters for different types of couplers are mounted on the shaft.

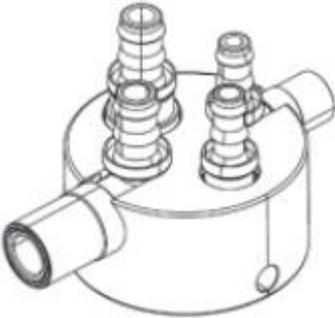
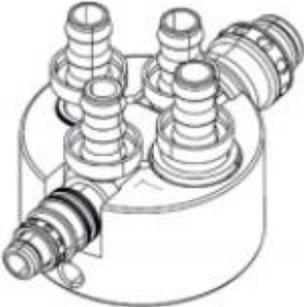
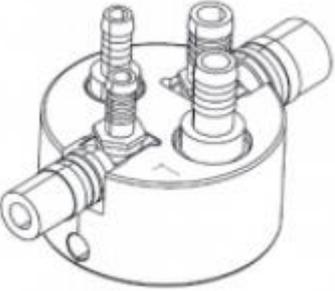
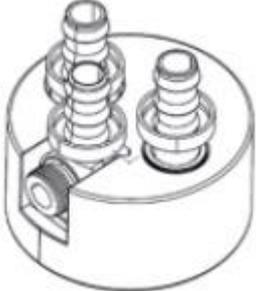
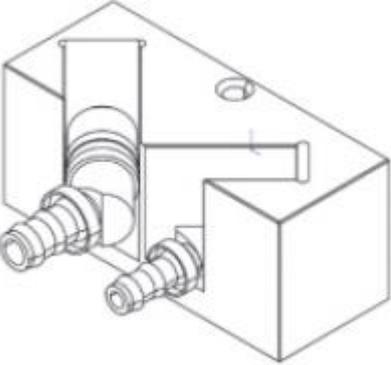
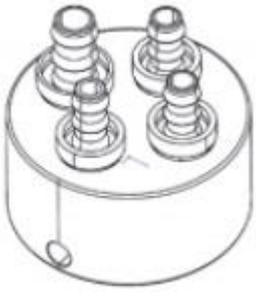
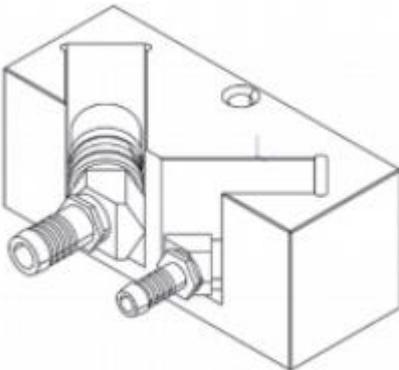
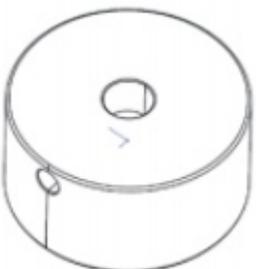
Hose grooves:

Two grooves for Ø10 and Ø13 hoses respectively.

Fixing holes:

Holes for fixing the device on a table or other flat surface

2. Adapters

Adapter type	Adapter type
<p>Series 09/13 European</p> <p>Series 20/30 International</p> <p>Straight and 90°</p> 	<p>Series 08/12 French</p> <p>Straight and 90°</p> 
<p>Series 09/13 European</p> <p>Series 20/30 International</p> <p>Straight and 90° Safety – Ts</p> 	<p>Series Mc. Multi-Couplers</p> <p>Straight and 90°</p> 
<p>Series 09/13 European</p> <p>Series 20/30 International</p> <p>45°</p> 	<p>Threaded Hose Nipples</p> <p>G1/8" – G1/4" - G3/8" – M10 - M14</p> <p>Straight</p> 
<p>Series 09/13 European</p> <p>Series 20/30 International</p> <p>45° Safety - Ts</p> 	<p>Plain Insert</p> <p>For custom recess</p> 

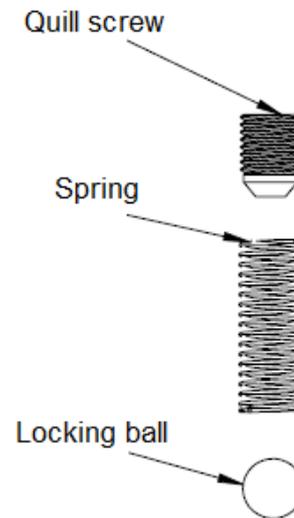
3. Installation and application

3.1. Mounting and locking the adapter

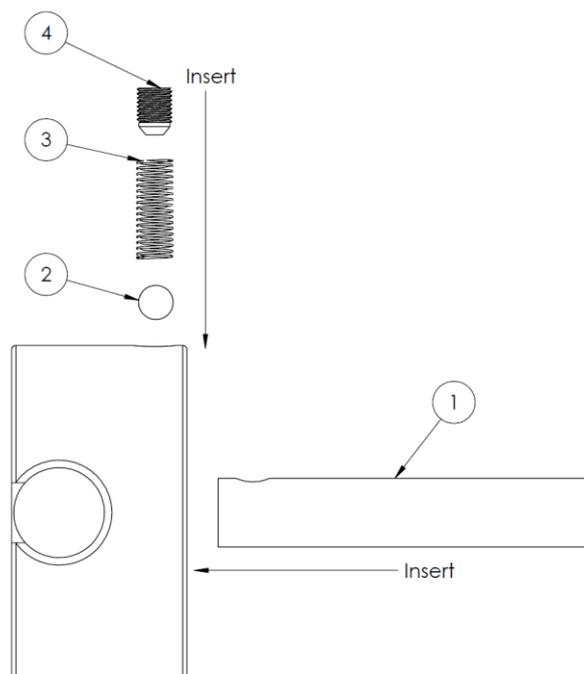
Apart from the base tool and the adapters, the Hose Assembly Tool comes with 2 sets of locking balls, springs, and quill screws.

A single set of these 3 components is used for mounting and locking the adapter onto the adapter shaft of the base tool.

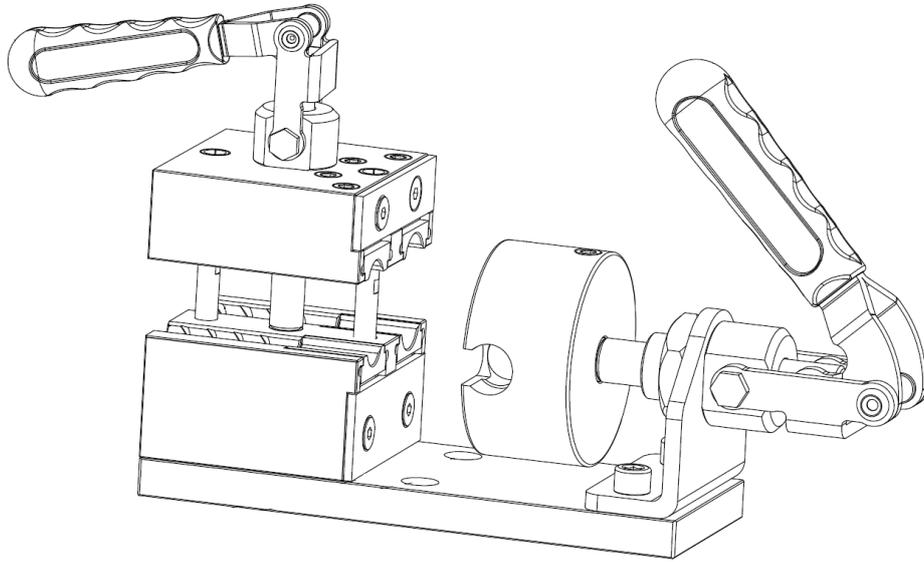
The locking ball and spring both have a diameter of Ø8 mm, and the quill screw has an M10 thread.



When mounting the adapter on the shaft, you first place the adapter on the shaft. Then insert the the ball and the spring into the hole on top of the adapter. Finally you lock the adapter in place by inserting and tightening the quill screw lightly. It is not necessary to tighten the screw completely. The quill screw has been tightened enough once it has entered the hole and is not protruding from the top.

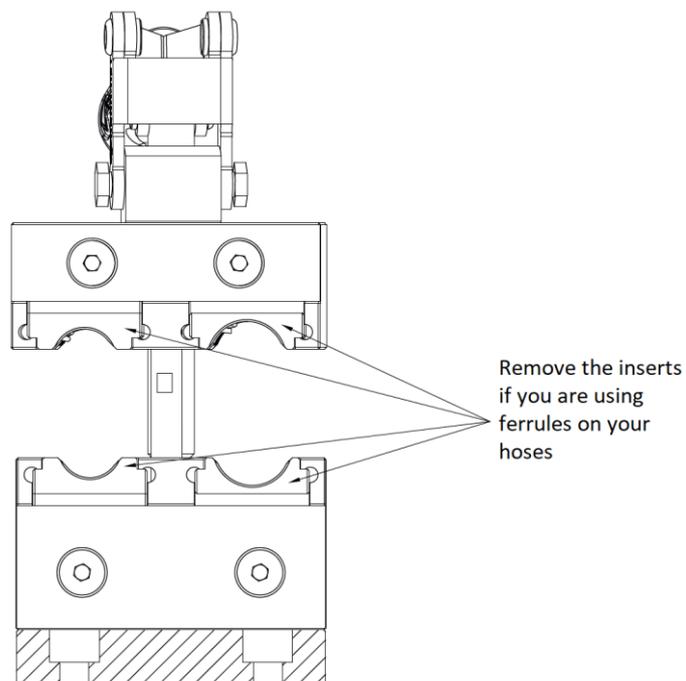


Once you have selected and mounted the suitable adapter, you are ready to use the tool



3.2. Ferrule use

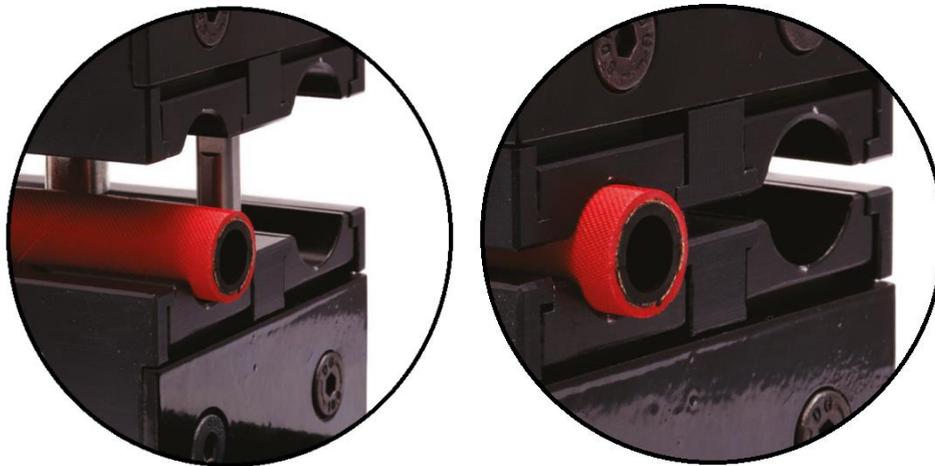
If you are using ferrules on your hoses, you will need to remove the inserts in the hose grooves. There are screws on the top and the bottom of the housing which need to be removed to remove the inserts.



If you are not using ferrules, then leave the inserts with the grooves inside the housing.

3.3. Application

Insert the coupler into the matching recess in the adapter and rotate the adapter so the coupler is aligned with the appropriate hose groove.



- First, cut the end of the coolant hose to be mounted at the right angle.
- Next, put the coolant hose in the appropriate recess, and clamp it with the clamping lever
- The hose end should maximum be 3 cm outside of the housing.
- Next, insert the coupler into the matching recess of the adapter and rotate the adapter to align the coupler and hose.
- Finally, use the coupling handle to push the coupler into the hose.



IMPORTANT

If you are using ferrule or hose clamps, these must be attached to the hose in advance



For even easier assembly, use soapy water as lubricant. Simply dip the end of the hose in the soapy water beforehand, and dry off the outer surface of the hose before assembly

Change log

Date of change	Change	Version
28-04-2020	Product release	001