Hosemountingtool HMT-1012

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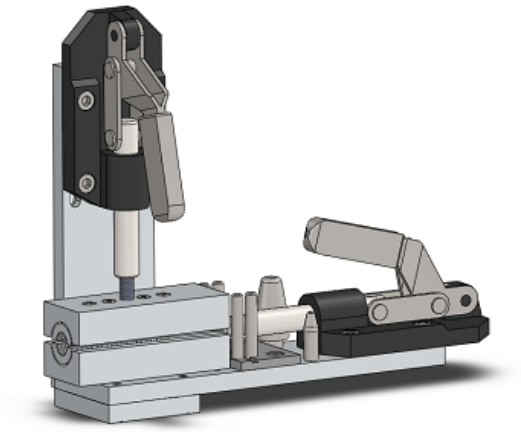
Table of Contents

1. Introduction 1
2. Performance Characteristics 1
3. Structure und Function 1
4. Technical Data 2
5. Ordering Data 2

1. Introduction

The **APSON Hosemountingtool HMT-1012** is a multi-purpose tool *for cutting and widening of fabric-reinforced high pressure hoses*. The tool is equipped with *multiple expansion plugs* with different head diameters and *two pairs of adapting shells* for different hose diameters.

This tool is used for applications where *on-site assembly* is required and if difficult to handle *stiff tubings* have to be exactly cut to length and are *only laboriously expandable*.



APSON Hosemountingtool HMT-1012

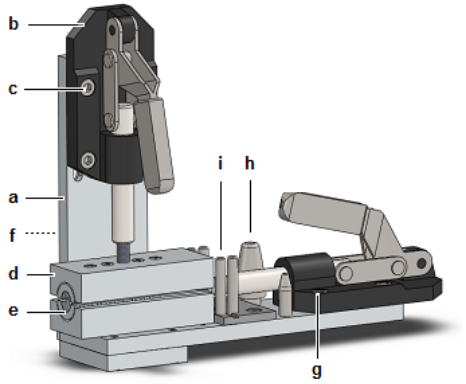
2. Performance Characteristics

- Quick adjustable *fixing device* with different hose adapting shells.
- Quick adjustable *expander device* with mandrels with different sizes.
- Quick hose fixing and optimum tube cutting surface.
- Easy to use, no special tools needed.
- Light weight, ideal for mobile use.

3. Structure und Function

The **APSON Hosemountingtool HMT-1012** consists of a rigid frame at which two clamping devices are arranged perpendicular to each other. The vertical device is used for fixing the hose and is screw-adjustably connected to the frame and therefore adaptable to the hose diameter.

Figure 1. APSON Hosemountingtool HMT-1012



Legend: a = tool frame, b = fixing device, c = adjustment screws, d = fixing jaws, e = hose adapter shells, f = alternative hose adapter shells (rear mounted, and therefore not visible in the picture), g = expander device, h = mandrels, i = cutting guides.

Attention: Due to their design the mechanisms of the clamping devices can exert large forces in their final positions. To avoid bruising, gloves should be worn and the levers of the clamping devices should only be operated in the area of their handles, and be operated only slow!

Use: **1**. Screw on the *correct mandrel* to the tappet of the expander device. **2**. Before clamping a hose, choose the *correct pair of adapter shells* and install them to the inner surface of the fixing jaws. **3**. Loosen the *four* screws at the rear of the frame of the vertical fixing device *so that it can be moved*. **4**. Open the operating lever of the horizontal expander device. **5**. With opened operating lever of the fixing device, push the hose between the adapter shells until reaching the expander mandrel. **6**. Move the opened(!) fixing device as far as possible down and tighten the screws (so that the hose can be properly clamped when closing the fixing device). **7**. Close carefully the lever of the fixing device. **8**. Cut the hose (between the cutting guides). **9**. Open the fixing device and remove the cut hose portion (remainder). **10**. With opened fixing device, push the hose again between the hose adapter shells near to the expansion mandrel (about 5 mm in front of it, *or* as needed) of the expander device and close carefully the fixing device. **11**. Carefully and slowly operate several times the lever of the expander device back and forth, until the hose is expanded.

4. Technical Data

Table 1. Technical Data

Designation:	APSON Hosemountingtool HMT-1012
Sizes of hose adapter shells:	DN4, DN6, DN12 mm *
Sizes of the expander mandrels:	DN4, DN6, DN12 mm *
Dimensions, L x W x H:	Approx. 210 x 46 x 176 mm
Mass:	Approx. 1.5 kg

* Or according to customer specifications.

5. Ordering Data

Table 2. Ordering Data

Designation	Ordering number
APSON Hosemountingtool HMT-1012	100A1419

Options: According to customer specifications.

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