
Mounting elements

Schmalz offers a wide range of mounting elements which permit many alternative ways of integrating suction pads and grippers to form a gripper system.

The mounting elements are divided into the following groups:

- Sections, cross-beams and connectors
- Holders and adapters
- Spring plungers
- Flexible mountings

Sections, cross-beams and connectors

These are used to construct the basic framework of a vacuum gripper system. In order to reduce the number of hoses needed, the sections can also be used as vacuum ducts and distributors.



Holders and adapters

These are used to connect the suction pads to the framework or cross-beam. Many different versions are available for mounting on aluminum sections or on square or round tubes.



Spring plunger

These are used wherever it is necessary to compensate for workpieces of varying heights. They can also be used to place the suction pads carefully on easily-damaged workpieces.



Flexible mountings

The Flexolink FLK and the ball joint KGL can flex in all directions to allow the suction pad to adapt itself better to sloping or curved workpieces.



Mounting elements



Modular Construction

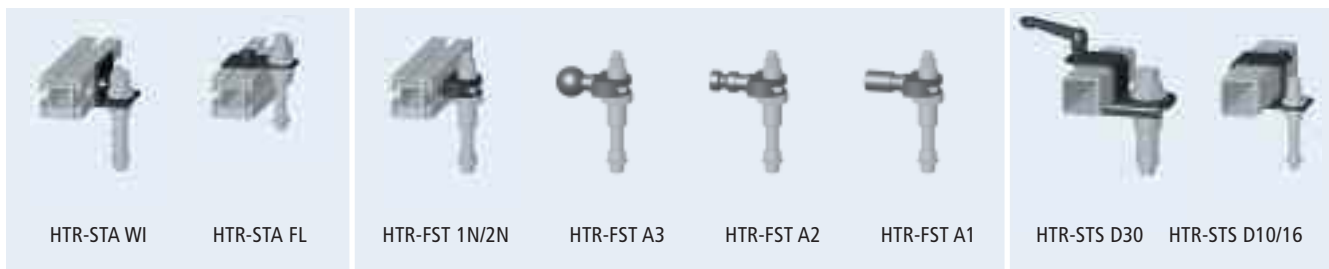
The complete system solution

The following overview shows the various connection possibilities offered by the mounting elements from Schmalz and should help you to select the appropriate components for your application. Note: All components of the various product families are grouped together in the overview. The design data and technical data of the mounting elements can be found on the related products pages in this section of the catalogue.

Mounting section (also suitable for mounting of suction pads)



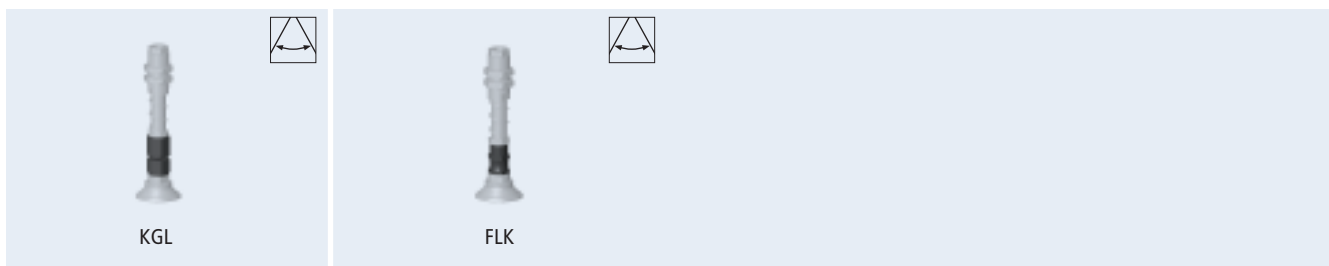
Holders and cross-beam connectors (for spring-mounting of suction pads)








Spring plungers



Flexible mountings for use with spring plungers



-  Fully rotatable
-  Available with anti-rotation guard
-  Heavy-duty (HD) version for short cycle times and rough operating conditions
-  For standard applications without swivelling of the loads
-  Flexible in all directions

Mounting elements

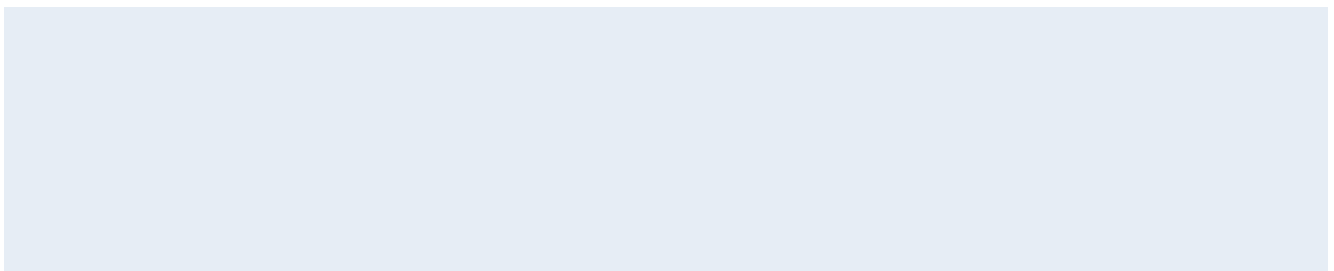
Modular Construction



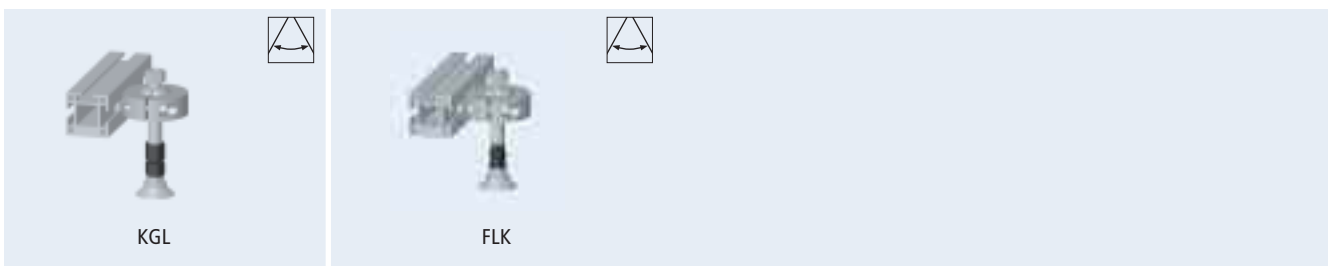
Mounting section (also suitable for mounting of suction pads)



Holders and cross-beam connectors (for rigid mounting of suction pads)



Flexible mountings for use with rigid suction pad mountings



Monitoring elements accessories



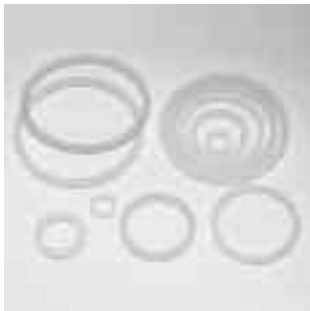
Spring plungers (FSTE/FSTA/FSTI/FSTF)

Are used for spring-mounting of suction pads, particularly in fully automatic systems, to ensure that the pads can be placed carefully, even on easily damaged workpieces. Spring plungers also compensate for varying workpiece heights. Further information in Section 4.



Adapter nipples (ANW/AN)

Are used for rigid mounting of suction pads on, for example, a cross-beam or for mounting with a spring plunger. The vacuum connection is on the side. Further information in Section 4.



Sealing rings (DR)

Robust PA sealing rings with excellent sealing properties. Further information in Section 8.



Holder (STA/STS/for FSTI)

For mounting suction pads or spring plungers on light-alloy sectional beams or on square-section tubes of a cross-beam. Further information in Section 4.