

## Suction pads 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.



### Sensing valves (TV)

Can be screwed into many suction pads with screw nipples. They sense whether a workpiece is in contact with the pad and open the vacuum line only if this is so. Further information in Section 6.



### 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.



### Flow resistors (SW)

Reduce the cross-sectional area of the vacuum and thus help to maintain the system vacuum if one or more suction pads are not in contact with the workpiece. The vacuum line is not fully closed. They are particularly suitable for the handling of porous workpieces. Further information in Section 6.



### Ball joints and Flexolink (KGL/FLK)

Are screwed onto the suction pads to permit a certain amount of flexibility. They permit optimum adaptation of the pad to uneven workpieces. Further information in Section 4.



### Check valves (SVK/SVKG/SVV/SVN)

Continuously measure the rate of flow of air through themselves. If one or more suction pads are not in contact with the workpiece, or if the workpiece is pulled away, they close in order to maintain the vacuum in the rest of the system. Type SVN is even suitable for use on porous workpieces. Further information in Section 6.



### Sealing rings (DR)

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