



Flexible Yet Firm

With its new spring plunger FST-LOCK-HD, Schmalz has developed a solution for the gentle and rapid handling of curved and flexible 3D components. The spring plunger has an infinitely lockable stroke and is compatible with the holder system for tooling. This makes it possible to use the spring plunger in a wide variety of applications.

Delicate, three-dimensional workpieces need to be moved quickly and smoothly with no additional control technology. The solution from Schmalz is a lockable spring plunger with high quality plain bearings and damping spring. When combined with compatible vacuum suction cups, the FST-LOCK-HD gives the user maximum flexibility when gripping and moving different components.

In the early stages of the handling cycle, the new spring plungers ensure that the suction cup is applied gently to the surface. The suction cups yield slightly and thus replicate the contours of the workpiece. Once the spring plunger is fixed in position, the actual task can begin: The flexible workpiece is lifted while retaining its shape thanks to the spring plungers. A display window immediately indicates whether the switching state is "locked" or "movable." In the event of a power failure, the pressure-less locking device ensures that the position of the spring plungers and suction cups is securely held. After setting down the workpiece, the user can release the locking device and immediately start the next cycle.

The FST-LOCK-HD is now available and can be combined with various suction cups and holders. Contact the Schmalz Sales and Technical Support Team to help with your selection: 919-713-0880 or schmalz@schmalz.us.

Meta-Description: With the FST-LOCK-HD, Schmalz has developed a lockable spring plunger for handling delicate workpieces.

Keywords: Schmalz; spring plunger; FST-LOCK-HD; gentle handling; handling cycle

Images:



Image 1:

Lockable spring plunger FST-LOCK-HD for safe and reliable operation even under harsh operating conditions



Image 2:

The spring plunger FST-LOCK-HD ensures optimum height compensation for curved and flexible workpieces

Images: Schmalz



Company

Schmalz is the global market leader in vacuum automation and ergonomic handling solutions. Schmalz products are used worldwide in applications in the logistics, glass, metal, automotive, packaging, and wood industry sectors.

The wide range of products in the Vacuum Automation unit includes individual components such as suction cups and vacuum generators, as well as complete gripping systems and clamping solutions for holding workpieces. Our Handling Systems unit offers innovative handling solutions with vacuum lifters and crane systems for industrial applications.

With comprehensive consulting, a focus on innovation and first-class quality, Schmalz offers its customers long-lasting benefits. Schmalz's intelligent solutions make production and logistics processes more flexible and efficient, while also preparing them for the increasing trend toward digitalization.

With its own locations and its sales partners, Schmalz is represented in more than 80 countries and in all important markets. The family owned company has over 1,100 employees at its headquarters in Glatten (in the Black Forest region of Germany) and its 17 international subsidiaries.

Schmalz' US headquarters in Raleigh NC, has been in operation since 1993 and employs about 100 people.

Contact for questions

Schmalz

Marketing Communication

5850 Oak Forest Drive

Raleigh NC 27616

T: 919-713-0880

F: 919-713-0883

schmalz@schmalz.us

www.schmalz.com