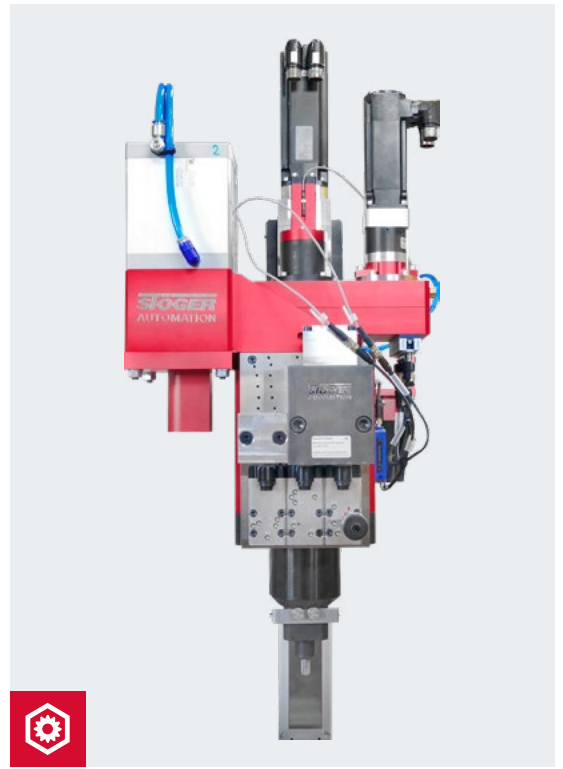


STÖGER Spin Pull Unit

The STÖGER Spin Pull Unit (SPU) enables the fully automated setting of press-in nuts in closed profiles with one-sided accessibility. This state-of-the-art system impresses with fast cycle times and guarantees maximum process reliability—an ideal solution for demanding applications in fastening technology.



Advantages of the STÖGER Spin Pull Unit (SPU):

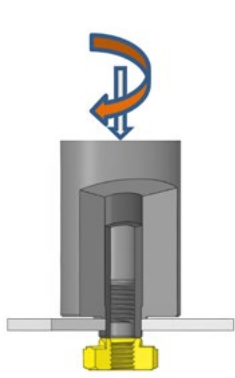
- + Automatic axial and radial compensation for correct component positioning
- + Setting in closed profiles with one-sided accessibility
- + Minimal wear due to duplex steel pulling screw
- + High durability: up to 1 million cycles before machine maintenance
- + Automatic thread inspection during the process
- + Quality assurance via force and displacement monitoring (sensor-based monitoring)
- + Additional stroke of 250 mm (other strokes optional)
- + Cost efficiency: reduced process steps, use of a DIN screw as a pulling tool

Advantages of press-in nuts:

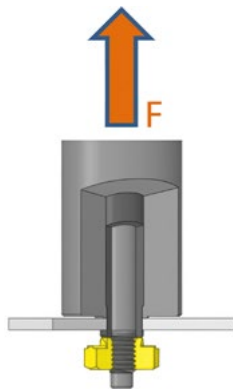
Press-in nuts are specifically designed for applications in aluminum hollow profiles. They meet the highest media-tightness requirements, are suitable for material thicknesses from 2 mm and can therefore handle wide-ranging applications flexibly.

- + Best mechanical properties: highest torque-out and push-out values
- + **Independent of material thicknesses**
- + Sustainable solution due to **repairability** with wire thread inserts

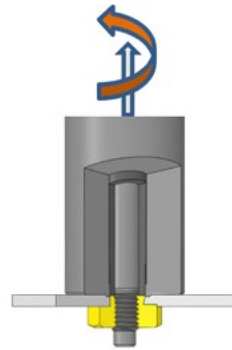
Functionality



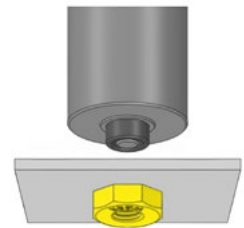
1.
Threading of the press-in nut, including radial misalignment compensation



2.
Threading pin is retracted, and the press-in nut is pulled against the component



3.
Press-in nut is set, and the pulling screw unthreads



4.
Installed element

Technical data

	SPU25	SPU90
Dimensions	860 x 180 x 240 mm	1000 x 400 x 400 mm
Axle distance	150 mm	400 mm
Weight	32 kg	115 kg
Cycle time	7 seconds	9 seconds
Retraction force	25 kN (M6)	100 kN (M14)
Pulling stroke	20 mm	20 mm
Pulling screw change interval	10,000 cycles / Duration: 3 min	10,000 cycles / Duration: 3 min

Head Office

@ info@stoeger.com

☎ +49 (0)8179 997 67-0

🏠 STÖGER AUTOMATION GmbH
Gewerbering am Brand 1
82549 Königsdorf
Germany

Sales North and South America

@ sales@stoeger-automation.com

☎ +1 (312) 794-8525

🏠 STÖGER AUTOMATION LP
150 North Michigan Avenue, 35th Floor
Chicago, Illinois 60601
USA