

Product



No. 1 Position

The lightest and cost-efficient perforation gripper on the market.

Features

Unique Selling Points:

- ✓ One-piece design due to the generative manufacturing process
- ✓ Light

Further Features:

- ✓ Air supply via outside and inside threads
- ✓ Single-acting membrane
- ✓ Easy installation in the plant due to metric connection threads
- ✓ Closed system and internal stop protect the membrane against damage
- ✓ Easy assembly without tool
- ✓ Less interfering contours
- ✓ Available as of Oct./2011

Market and Competitors

Main Competitors

- ✓ Sommer Automatic
Advantages towards inflatable rubber grippers:
 - Higher holding force
 - 60% lower weight
 - Longe lifetimes
 - Individually adjustable to the shape of bore
 - Far lower price

Economy/Customer Benefits

Customer Benefits:

- ✓ The low weight allows for high dynamics of the application
- ✓ Easy actuation since the membrane independently draws back into the starting position
- ✓ The rapid manufacturing ensures extremely short delivery times for units with customer-specific dimensions
- ✓ No damage of the bore surface due to the large contact surface of the plastic jaws
- ✓ High lifetime allows a consistent, efficient use
- ✓ Cost-optimized
- ✓ Interchangeable with existing grippers
- ✓ Individually adjustable/scalable

Questions about the product? Your Contact Person of the Product Management Automation is M. Nagel (+49 - 7133 - 103 - 2561)

\\SCHUNK-MK\MKTDATEN\MKT190_TEMP_AUSTAUSCHIGINSTER\KIB_BLÄTTER_AUTOMATION_ZUR_ÜBERSETZUNGSANFRAGE\CIS_Core_Information_Sheet_LOG_GB.docx 1.Seite

Technical Data/Functions

Technical Data for preferred series (Ø 20 - 40)

Stroke per jaw: 0,5..1,0 mm
Payload: 1.. 4,0 kg
Weight: 10..135 g
Drive: 6 bar

All the intermediate sizes are available on request
(Inch dimensions, too).

Function

By generating an overexpansion in the membrane area, the thin-walled membrane is expanded, and transfers the movement onto the gripper jaw. The gripper jaws produce a frictional connection with the wall of the hole, and thereby the workpiece is held.

Complementary Products:

- ✓ SCHUNK automation products for low work-piece weights

Industries and Applications

The LOG convinces in the following industries

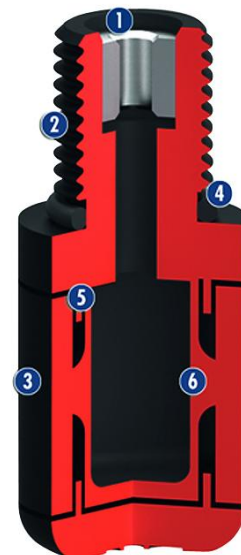
- ✓ Foundry
- ✓ Assembly and handling
- ✓ Handling of small components

Applications

- ✓ Sand core handling
- ✓ Handling of small components
- ✓ Handling of plastic components

Additional Information

Cross Section



1. Air connection thread
2. Fastening thread
3. Gripping surface
4. O-ring seal for hose-free air connection
5. Internal stop/overload protection
6. Membrane

Questions about the product? Your Contact Person of the Product Management Automation is M. Nagel (+49 - 7133 - 103 - 2561)

\\SCHUNK-MK\MKTDATEN\MKT\90_TEMP_AUSTAUSCH\INSTER\KIB_BLÄTTER_AUTOMATION_ZUR_ÜBERSETZUNGSANFRAGE\CIS_Core_Information_Sheet_LOG_GB.docx 2.Seite