

Assembly- and Operating Manual for 3-Jaws-Loading-Gripper Type UFG 26 / 32 Id-No. 30024016

Dear Customer,

Congratulations on choosing a SCHUNK product. By choosing SCHUNK, you have opted for the highest precision, top quality and best service.

You are going to increase the process reliability of your production and achieve best machining results – to the customer's complete satisfaction.

SCHUNK products are inspiring.

Our detailed assembly and operation manual will support you.

Do you have further questions? You may contact us at any time – even after purchase. You can reach us directly at the below mentioned addresses.

Kindest Regards,

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1. Unpacking and Control

- 1) Carefully remove the packing without using sharp or peaked objects.
- 2) Check the gripper on transportation damages and if necessary, inform us immediately.

Volume of Delivery:

- UFG (without top jaws and pressure piece)
- 2 O-Rings \varnothing 6 x 2 mm
- 3 screws M 8 x 35 DIN 912 (UFG 26)
- 3 screws M 8 x 40 DIN 912 (UFG 32)

NOTE:

For intermediate stocking please note:

- keep dry
- protect the unit against aggressive medias
- avoid strong fluctuations in temperature
- lubricate smooth surfaces
- seal connection bores

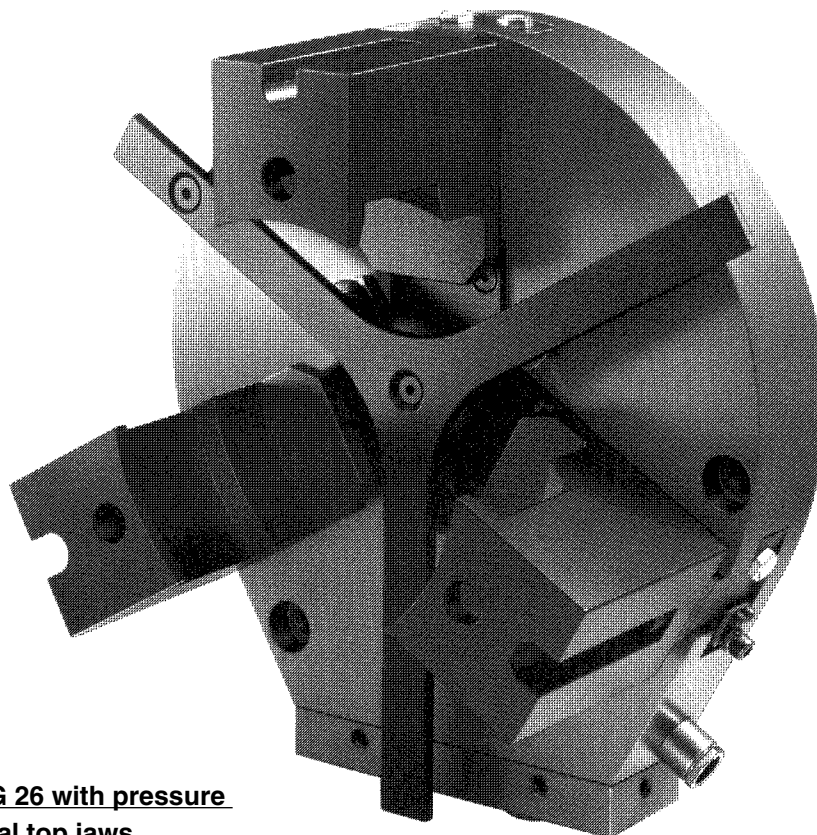


Illustration: UFG 26 with pressure piece and special top jaws.

2. Brief description and technical data

3-Jaw-Loading-Gripper Type UFG 26

- broad clamping range
- flat design
- high clamping force
- versatile application (e.g. for loading of tooling machines)
- can be retrofitted as a double gripper without problems
- position of installation: application dependant
- stroke control can be continuously adjusted
- I.D. and O.D. clamping possible
- centrally gripping

Accessories:

- proximity switch
- top jaws (custom-made solutions available from SCHUNK)

Technical Data:

UFG 26

Actuation:	pneumatically
Range of operating temperature:	3 - 10 bar
Opening stroke:	32 mm / jaw
Gripping force:	at 6 bar 350 N
Operating temperature:	5°C - 130°C
Opening time:	0,9 sec.
Closing time:	0,85 sec.
Repeatability:	0,05 mm

3. Assembly and Connection

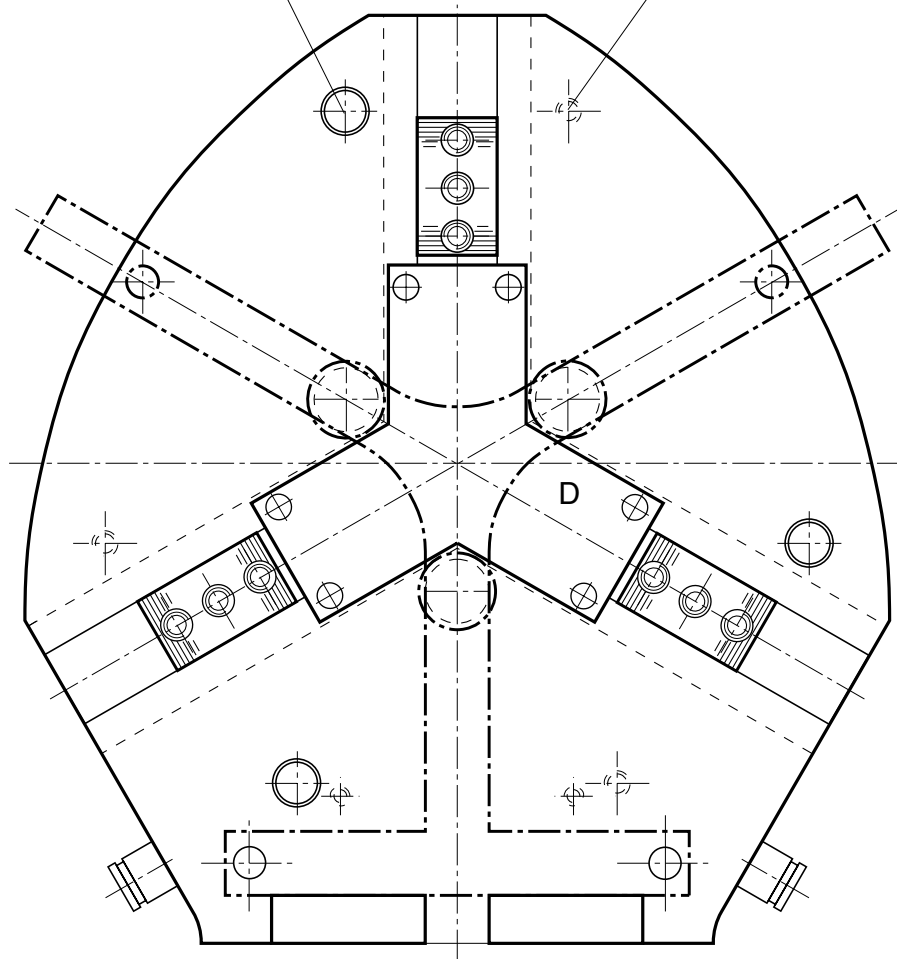
3.1 ASSEMBLY

NOTE:

The gripper must be aligned during assembly since it is not equipped with fixing bores.

3 Fastening bores
for M8 DIN EN ISO 4762
in the plastic bag

3 fastening threads
UFG 26 M 8 x 17



3. Assembly and Connection

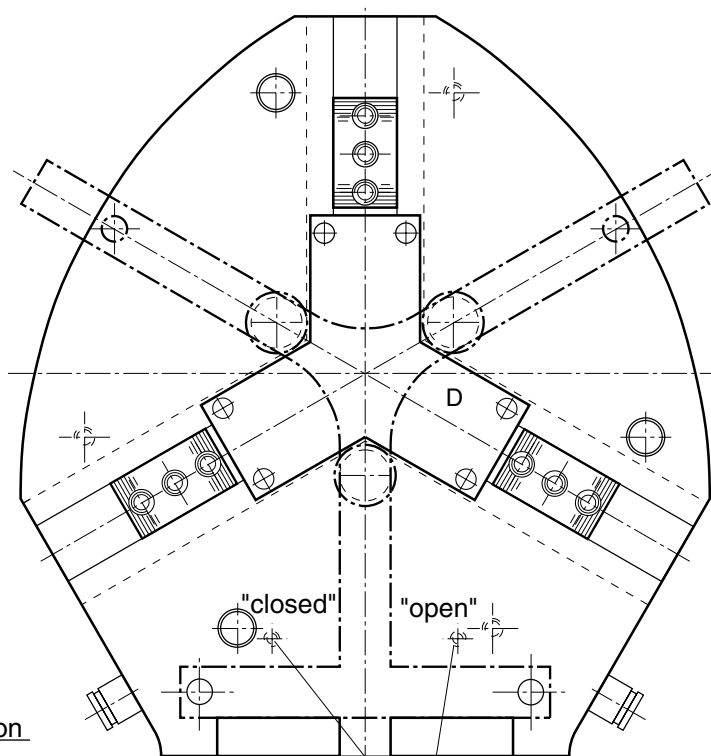
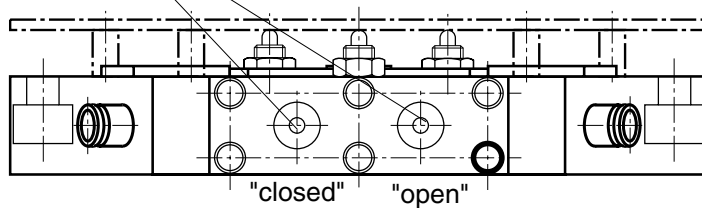
3.2 CONNECTION

NOTE:

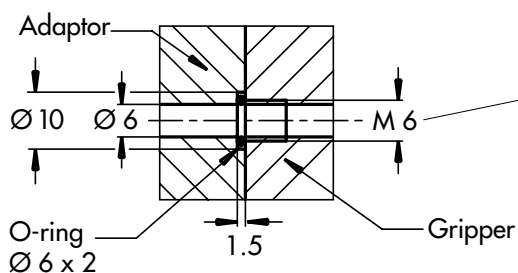
For assembly without hoses, please use two O-rings out of the little plastic bag to seal the air bores.

Close the oil feedings which you won't use with a suitable blind plug (M 6, R1/4").

2 x R1/4" for connection with threads



For direct connection without hoses



2 x M 6 for direct connection without hoses

4. Maintenance

NOTE:

For exchange of components please return the complete gripper with a repair order to SCHUNK.

In order to achieve proper function of the grippers, please note the following:

- 1) Make sure that the blank steel components are lubricated or greased.
- 2) Lubrify the base jaws of the gripper every 2 weeks with Kluebespaste HEL 46-450. The funnel-type lubrication nipple DIN 3405 AM 8 x 1 are at the base jaws.

5. Trouble shooting

The jaws do not move:

- The air supply is interrupted.
- Break of screws at the connection between the piston bar and the base jaw.
- The connections are misaligned.

The clamping force reduces:

- Break of screws at the connection between the piston bar and base jaw.
- There is dirt and dust between the guidances of the base jaws.

EC declaration of incorporation

In terms of the EC Machinery Directive 2006/42/EC, annex II, Part B

Manufacturer/
distributor SCHUNK GmbH & Co. KG.
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 D-74348 Lauffen/Neckar

We hereby declare that the following product:

Product designation 3-Jaws-Loading-Gripper
Type designation: UFG 26, UFG 32
ID numbers: 302715, 302716

meets the applicable basic requirements of the Directive **Machinery (2006/42/EC)**.

The incomplete machine may not be put into operation until conformity of the machine into which the incomplete machine is to be installed with the provisions of the Machinery Directive (2006/42/EC) is confirmed.


Applied harmonized standards, especially:

EN ISO 12100-1 Safety of machinery - Basic concepts, general principles for design
 Part 1: Basic terminology, methodology
EN ISO 12100-2 Safety of machinery - Basic concepts, general principles for design
 Part 2: Technical principles

The manufacturer agrees to forward on demand the special technical documents for the incomplete machine to state offices.

The special technical documents according to Annex VII, Part B, belonging to the incomplete machine have been created.

Person responsible for documentation: Mr. Michael Eckert, ☎ +49-7133-103-2204

Location, date/signature: Lauffen, Germany, January 2011 p.p. 

Title of the signatory Director for Development