

FORKARDT

OMHJ

*Rotating hollow hydraulic
oil clamping cylinder*



WORKHOLDING SOLUTIONS WORLDWIDE

OMHJ ROTATING HYDRAULIC OIL CYLINDER

General information

FORKARDT rotating hollow cylinders provide the axial force needed for your lathe's power chuck.

The interaction between these two components is of crucial importance for the optimal production process. The system's oil circuit, including the hydraulic power unit, the attached hydraulic oil hoses, and the stationary supply housing, has been designed for the greatest precision with the OMHJ. The end stage is made up of the ring channels that supply the cylinder with the oil it needs.

Gap seals and labyrinth glands serve to maintain the clamping pressure at a constant level, minimizing friction losses.

As precautionary measures against abrupt pressure drops controlled check valves are installed in both pressure lines.

You can therefore operate your lathe safely in the knowledge that our system can maintain the clamping pressure your lathe needs.

The coolant used in machining operations is collected in a water catchment tray and drawn off through a separate circuit.

The limit switch fasteners are easy to configure and replace. Up to four matched limit switches can be used on the cylinder. These are available as optional accessories.

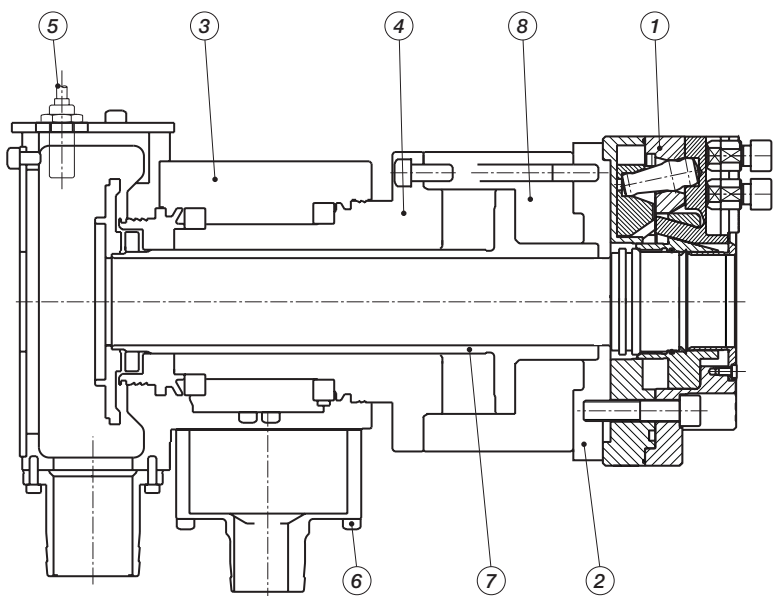


OMHJ
Hollow hydraulic oil
clamping cylinder

The key features at a glance

- compact modular design
- compact attachment to all lathes
- perfected bearing and sealing technology
- high precision oil supply system
- wide 8–60 bar control range
- pressure relief device
- alternately actuated safety shutoff valves*)
- water catchment tray
- clamping length end monitor as standard*)
- optional continuous clamping length monitor
- hydraulic oil connections on both sides
- balanced as per ISO 1940
- developed and manufactured as per ISO 9001

*) compliance with the testing principles issued by the professional association



Structure of a hollow clamping mechanism:

- 1) power chuck
- 2) chuck flange
- 3) OMHJ hollow clamping cylinder
- 4) cylinder flange
- 5) clamping length monitor
- 6) mounting bolt
- 7) tie bar
- 8) machine spindle

**WORKHOLDING SOLUTIONS
WORLDWIDE**



L O C A T I O N S W O R L D W I D E

FORKARDT DEUTSCHLAND GMBH
Heinrich-Hertz-Str. 7
D-40699 Erkrath
Tel: (+49) 211-25 06-0
Fax: (+49) 211-25 06-221
E-Mail: info@forkardt.com

FORKARDT SCHWEIZ GmbH
Industriestrasse 3
CH-8307 Effretikon
Tel: (+41) 52-3 553131
Fax: (+41) 52-3 435240
E-Mail: info-ch@forkardt.com

FORKARDT FRANCE S.A.R.L.
28 Avenue de Bobigny
F-93135 Noisy le Sec Cédex
Tel: (+33) 1-4183 1240
Fax: (+33) 1-4840 4759
E-Mail: forkardt.france@forkardt.com

BUCK CHUCK
2155 Traversefield Drive
Traverse City, MI 49686, USA
Tel: (+1) 800-228-2825
(+1) 231-995-8312
Fax: (+1) 231-995-8362
E-Mail: sales@itwworkholding.com
Website: www.buckchuckusa.com

ITW WORKHOLDING
2155 Traversefield Drive
Traverse City, MI 49686, USA
Tel: (+1) 800-544-3823
(+1) 231-947-5755
Fax: (+1) 231-995-8361
E-Mail: sales@itwworkholding.com
Website: www.itwworkholding.com

FORKARDT NORTH AMERICA
2155 Traversefield Drive
Traverse City, MI 49686, USA
Tel: (+1) 800-794-6190
(+1) 231-947-5755
Fax: (+1) 231-995-8361
E-Mail: sales@itwworkholding.com
Website: www.itwworkholding.com

www.forkardt.com

www.itwworkholding.com