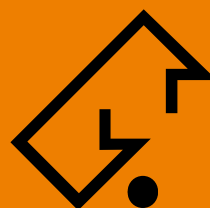
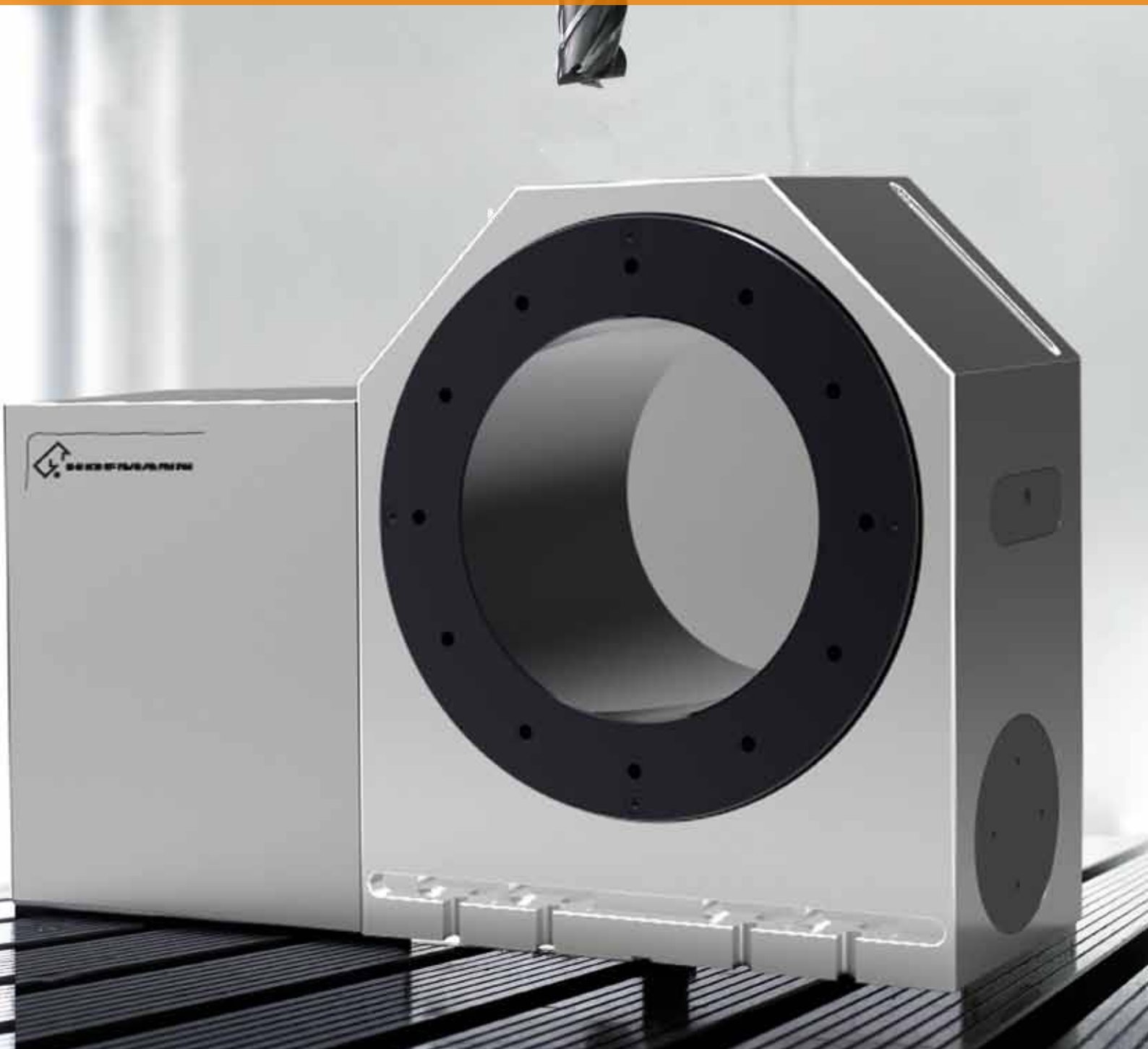


# Dividing Unit RWNC-400



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**HOFMANN**  
MESS- UND TEILTECHNIK

## Detailed specifications

# Technical data and accessories of **RWNC-400**

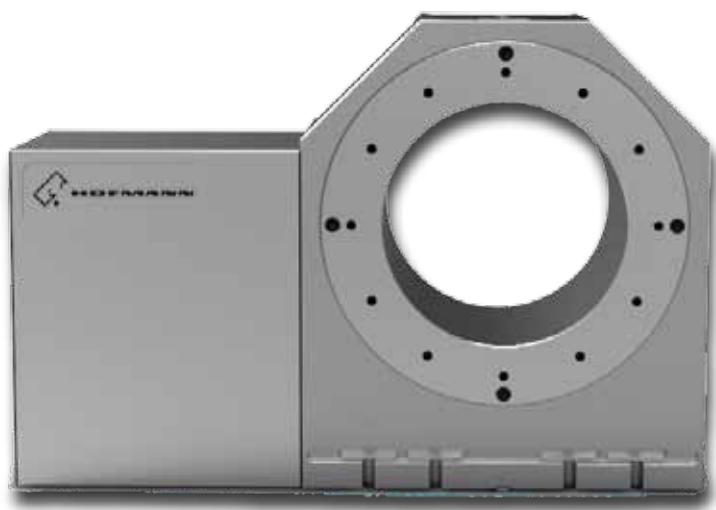
### Load and performance data\*

|   |            |        |
|---|------------|--------|
| Type/centre height  | (mm)       | 400    |
| Reduction ratio worm gear                                     | (i)        | 120:1  |
| Spindle speed at indexing operation                           | (rev./min) | 17     |
| Load capacity with vertical indexing spindle                  | (kg)       | 8,000  |
| Load capacity with horizontal indexing spindle                | (kg)       | 1,500  |
| Load capacity with horizontal indexing spindle with tailstock | (kg)       | 4,000  |
| Load capacity with horizontal indexing spindle and support    | (kg)       | 8,000  |
| Axial forces max.   | (kN)       | 120    |
| Workpiece torque max.   | (Nm)       | 18,000 |
| Clamping moment at 160 bar                                    | (Nm)       | 28,000 |

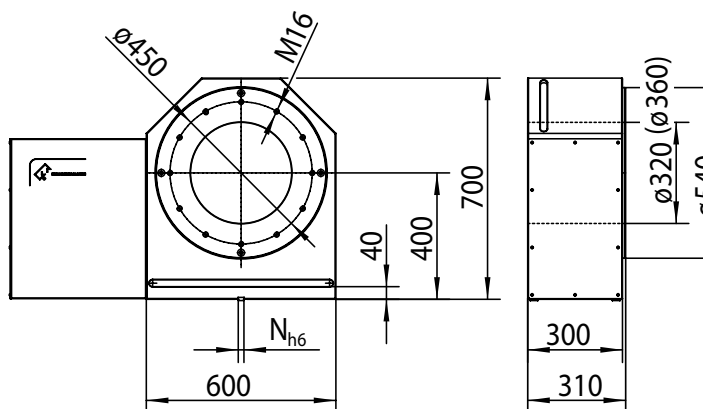
\* stated data are standard values under best possible conditions

### Accuracies

|  |       |      |
|--|-------|------|
| Indexing accuracy<br>(standard) indirect position feedback | (sec) | ± 10 |
| direct position feedback with bearing measuring system     | (sec) | ± 5  |
| Circular runout of internal and external spindle taper     | (mm)  | 0.01 |
| Axial runout of indexing spindle face                      | (mm)  | 0.01 |



### Dimensions



### Description

Long workpieces with large diameters can be machined through the use of the **RWNC-400**, as an additional axis on machining centers of different manufacturers.

A special feature of this dividing unit is the spindle bore with a diameter of either 320 or 360 mm through which the workpieces can be pushed through. Dividing units with this size have usually spindle bores with a maximum bore diameter of 200 mm.

This was made possible by a new design of the dividing spindle and housing, as well as a specially developed hydraulic clamping device for this unit.



Drilling Technology

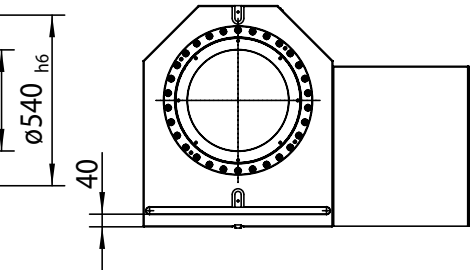


Oil Industry



Mining

Therefore the **RWNC-400** is especially appropriate to manufacturers of drilling technology for the oil industry and mining.



### Accessories

A wide range of appropriate accessories belongs to the program of HOFMANN Mess- und Teiltechnik. That includes for example suitable tailstocks and supports, for retaining long workpieces.

Further accessories can be found on the right.



### Face plates

available in various diameters and versions:

- Easy and safe clamping of workpieces
- Special versions for every diameter available



### Three- and four jaw chucks (manual + hydraulic)

- Precision chucks of renowned manufacturers for accurate and powerful clamping of very different workpieces.
- Automatic workpiece clamping via hydraulic cylinder realisable



### Controls

- Control of the dividing unit via M-function of the machine by independent CNC-control
- Independent CNC-control for the drive
- No preparation on the side of the machine necessary for the operation of a 4<sup>th</sup> axes
- Interface and wiring complete and ready for operation for the connection to the machine control



### Motors

- Attachment of servo motors from a wide variety of manufacturers (Siemens, Heidenhain, Fanuc, Mitsubishi, Indramat) by versatile adapter system realizable
- Attachment variant (motor mounting straight, toothed belt drive, angle gear box) will be adapted to the conditions inside of the machine housing and the requirements of the customer



### Direct measuring systems

- For the **2WNC-400** axial/radial bearings with integrated angular measuring system are applied. The measuring system is therefore installed integrated and protected in the housing.



### Interfaces | Power supply

- Large selection of standard interfaces/power supplies for machines of many renowned manufacturers available
- Individual and flexible design of interface/power supply



Precision made in Germany

## Features of R2WNC-400



- Extremely wide spindle bore with a diameter of either 320 mm or 360 mm
- Machining of long workpieces through the spindle bore is possible
- High clamping moment of 28.000 Nm
- Centre height of 400 mm
- Surface coated gear box for high corrosion resistance
- Solid motor cover made of stainless steel with internal fixing
- Sunked and flushed covers and closures on the gear box



Hofmann Mess- und Teiltechnik is part of the renowned Müller group, a successful alliance of five companies, which offers great synergistic effects to their customers.

Having more than 80 years of experience combined with fresh creativity and innovational strength, Hofmann is a well sought-after partner by renowned manufacturers of machine tools for processing metal. Our efficient and customized solutions are produced by qualified specialists in our state-of-the-art machine outfit in Pliezhausen near Stuttgart. Fast, cost-saving and specially designed for the needs of our customers.

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