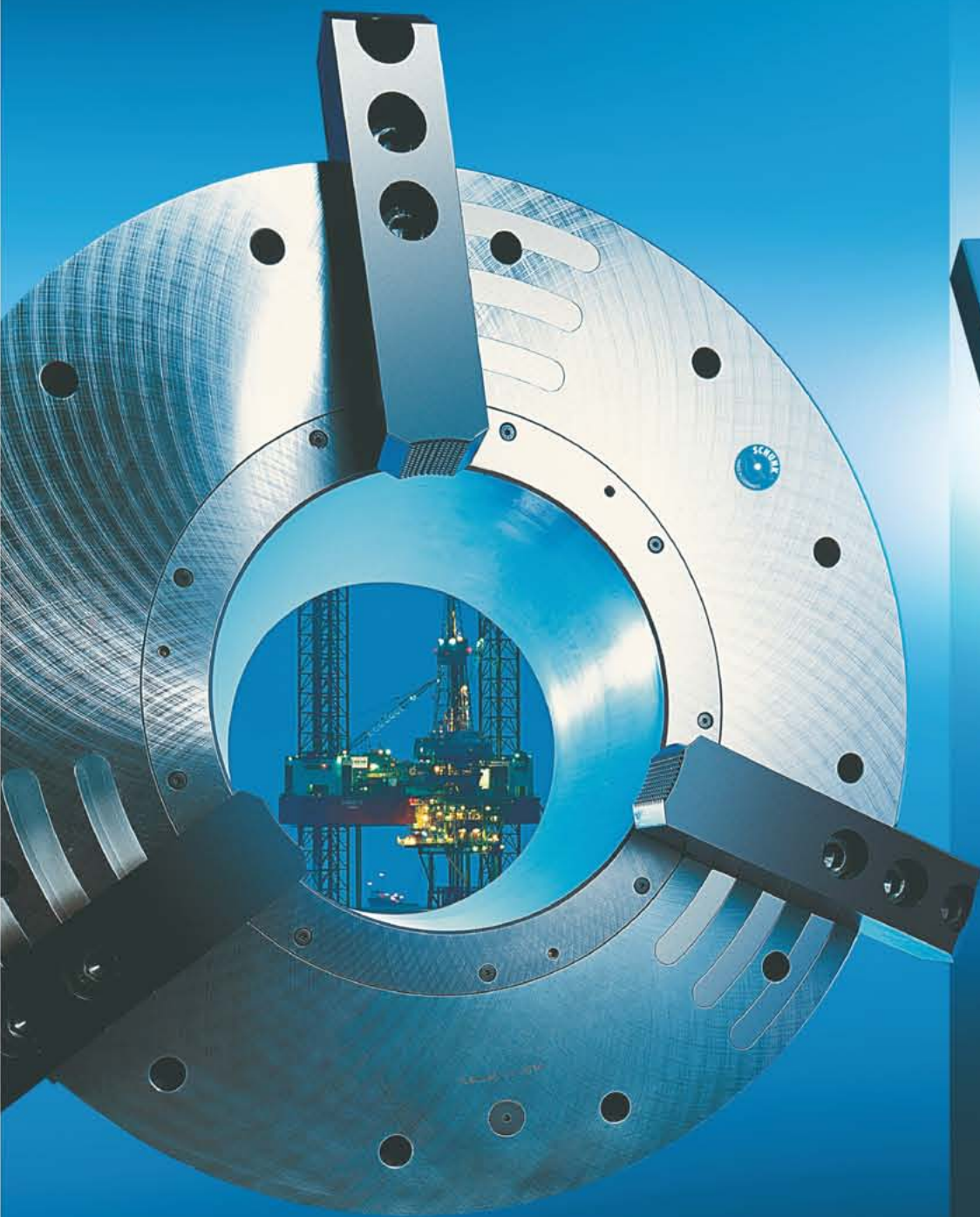


# SCHUNK

## Lathe Chucks for Large Workpieces Tremendous, but Precise



### SCHUNK SYNERGY: Toolholding, Workholding and Automation

#### Visions in two technology areas

Toolholding, workholding and automation are our core competences. The therefrom resulting synergy effects are unique. SCHUNK rules this complex world of clamping and handling like no one else. As a longstanding components specialist we understand the demands and requirements of both technology areas.



Moreover, there is the fascination of new possibilities. With our twofold expertise we can provide you with trend-setting leading technology. From the spindle to the robotics.

### We call this the "SCHUNK SYNERGY".

Get to know us as your attractive "all-in-one partner" - all the services from one source to benefit you.

# ROTA

## Lathe Chucks for Large Workpieces Tremendous, but Precise

More than 30 years of experience is the basis for SCHUNK's comprehensive know-how in designing and manufacturing lathe chucks. The manufacturing of lathe chucks that exceed standard measures of 630 mm in diameter is certainly a core competency. In the course of the years, with its ROTA lathe chucks, SCHUNK has become a valuable partner of the large scale industry. Enormous flexibility enables the customization of clamping equipment according to individual requirements. Customers in the petrol and ball bearing industries know to appreciate SCHUNK's competence – especially when complicated applications are involved.

ROTA large chucks from SCHUNK can be used everywhere where workpieces with extremely large diameters have to be clamped safely and be precisely machined: tube ends for the petrol processing industry, threads on diamond bore heads, graphite blocks, train wheels, from pumps and valve houses to gear wheels, pistons for vessel engines and numerous other precision components.

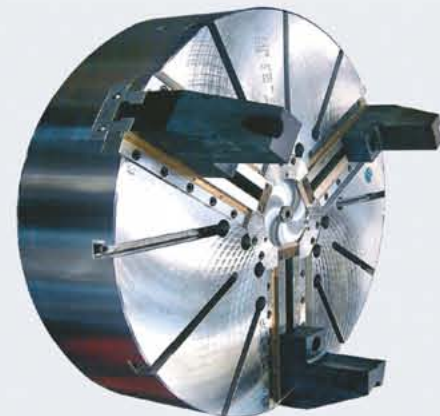
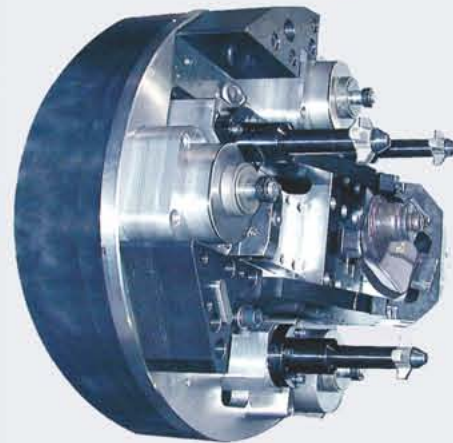
Even when facing the toughest application conditions, SCHUNK lathe chucks still offer the highest level of accuracy.

Even extremely small chips, dust particles, or enormous volumes of coolant, which exist in the gray cast iron industry, do not harm the lathe chucks.

### Benefit from innovative ideas:

- **Shortest set-up times**  
thanks to quick jaw change.
- **Best T.I.R. accuracy in the case of deformation-sensitive components clamping**  
thanks to the usage of lathe chucks with 6 contact points with automatic pendulum block.
- **Optimum workpiece alignment**  
thanks to 4-jaw chucks with individual jaw adjustment. Ideal for machining tubes.
- **Maximum safety**  
due to wireless pressure control for pneumatic power chucks.

ROTA large chucks can be used with most of the popular lathes. They are suitable for vertical as well as horizontal machining applications.



## ROTA-S plus

- Manual Lathe Chuck with a jaw quick-change system
- Qualified for using on horizontal and vertical-lathes
- Optimum quick jaw change repeatability and high clamping forces
- Up to size 1400 mm
- Size 1000 mm and bigger also as a 6-jaw chuck available



## ROTA NC

- High performance wedge hook lathe chuck
- For universal applications
- High T.I.R. and repeatability accuracy
- Very high r.p.m without essential clamping force reduction
- Up to size 1200 mm



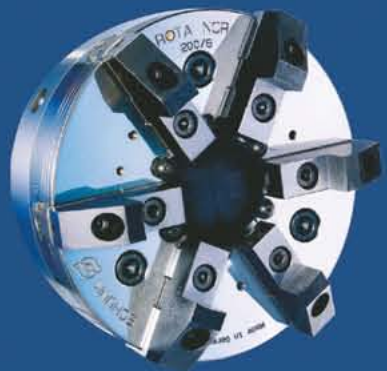
## ROTA NCO

- High performance wedge hook lathe chuck without through-hole
- Low chuck height
- Large jaw stroke at high jaw clamping force
- Excellent sealing against high contamination
- Up to size 1200 mm



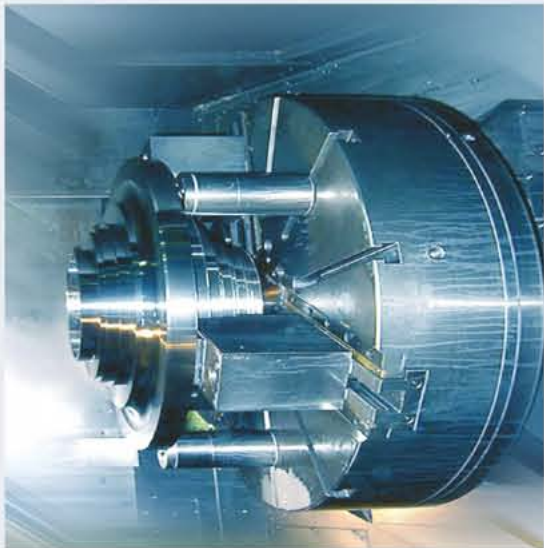
## ROTA NCR

- 6-jaw compensation chuck
- Deformation sensitive clamping of thin-walled workpieces
- Compensation clamping or centric clamping
- Up to size 1200 mm



## ROTA TB

- Pneumatic power chuck
- Integrated pneumatic cylinder
- Very large through-hole for machining all standard bardiameters
- Safe lathe chuck process
- Up to size 1200 mm



SCHUNK products in known SCHUNK quality are sold across the world. A close network of sales partners, customer oriented subsidiaries and offices, as well as our own expert on-site consultants guarantee professional advice, precise transfer of know-how, fast service and 100% reliable delivery.

Wherever you are manufacturing SCHUNK is close.



SCHUNK is a leader in technology with world-wide operations:

- World's largest provider of chuck jaws
  - World's largest provider of toolholding systems
  - Market leader in the area of gripping technology
  - Represented in more than 50 countries across 5 continents with own subsidiaries and sales partners.
  - More than 1,500 employees worldwide are providing their knowledge, skills and commitment to the company.
- In customized or complete solutions which are combined with chuck jaws for large workpieces SCHUNK shows highest competence as a "supplier from one source" of effective and economic solutions...

Daily - worldwide !

Competent and skilled personnel ensure the availability of your workholding tools and equipment and make sure that the use is optimized and its value will be maintained. Our vast service package from initial consultation to after sales service is convincing by absolute reliability and technical know-how.

### Initial operation

Your benefit:

- Professional assembly and initial operation
- Fast and trouble-free production flow

### Maintenance

You can expect more:

- Regular maintenance carried out by skilled service engineers
- Increasing and assuring the availability of your workholding tools and equipment
- Minimization of unplanned failures of workholding tools and equipment

### Inspection

Get a general idea:

- Inspection is carried out by skilled service engineers
- Actual state of your workholding tools and equipment
- Avoiding unplanned failures of workholding tools and equipment

### Repairs

Get things started:

- Short down-times due to fast intervention of the SCHUNK service engineer
- Highest possible availability of the workholding tools or equipment by repair performed on-site
- Spare parts and accessories

### Your advantage:

- Fast supply of original spare parts
- Reduction of down-times
- The complete spectrum of components from one source
- Quality and availability, that can only be guaranteed by the original manufacturer 12-months warranty

## Catalog order

**Copy, complete, fax to +49-7133-103-2779**



Toolholding Systems



Stationary Workholding



Lathe Chucks



Chuck Jaws

Company \_\_\_\_\_

Name \_\_\_\_\_

Department \_\_\_\_\_

Address \_\_\_\_\_

City / State \_\_\_\_\_

ZIP Code \_\_\_\_\_

Tel. \_\_\_\_\_

Fax \_\_\_\_\_