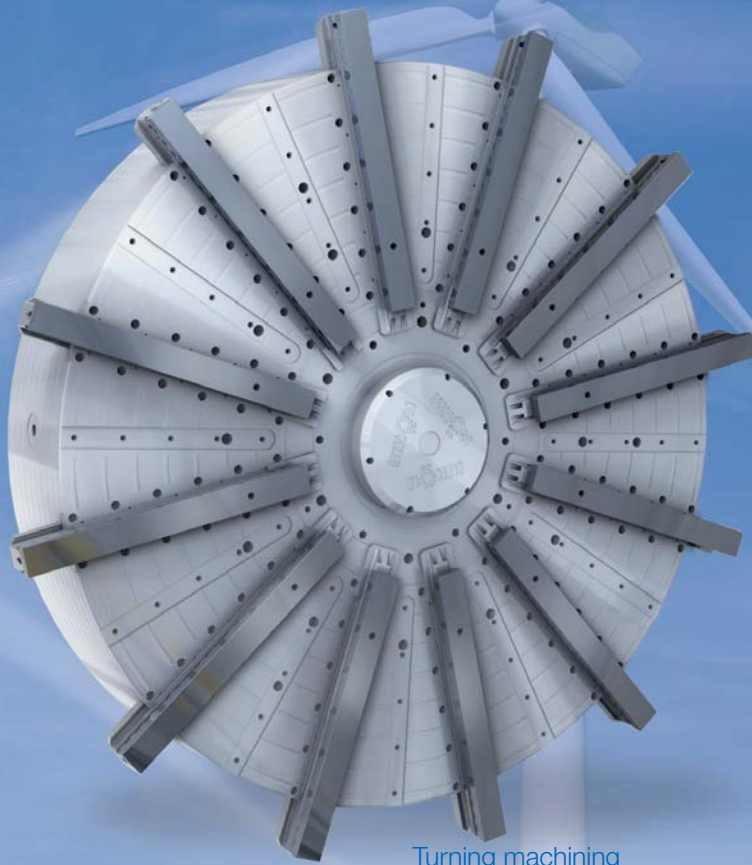




# MACHINING OF LARGE PARTS

Maximum precision for maximum size

**RÖHM**  
driven by technology



Turning machining



Drilling machining

# MACHINING OF LARGE BEARINGS AND ROTARY UNIONS

For large bearings and rotary unions, RÖHM offers chucks specially adapted to the changing requirements for turning, milling and fine machining.

## SOLUTIONS FOR TURNING MACHINING

Centrally clamping chucks achieve high precision for turning workpieces. Depending on the size, the chucks have 6 or 12 clamping jaws. Their additional centrifugal force compensation ensures the same clamping force at high speeds, and therefore maximum precision. Thanks to the built-in quick-change system, minimum setup times are guaranteed.

## SOLUTIONS FOR DRILLING MACHINING

For drilling machining, RÖHM recommend centrally clamping key bar chucks. Thanks to the fast adjustable clamping jaws, as well as stops, the setup times are reduced to a minimum, even for this machining step.

## BENEFITS AT A GLANCE

- ⊕ Centrally clamping chucks with up to 12 clamping jaws
- ⊕ Additional centrifugal force compensation and efficient quick-changing system
- ⊕ Horizontal and vertical attachment possible
- ⊕ Power-actuated or manually actuated, matching actuating units available



# RÖHM CLAMPING SOLUTIONS FOR EVERY WIND ENERGY NEED

## SOLUTIONS FOR FINISH MACHINING

A precisely centered and deformation-free setup is extremely important, especially for easily deformable workpieces which require turning machining from all three sides within one working operation. By combining the magnetic clamping force and deformation-free centering, workpieces of a wide range of sizes and contours can be quickly and securely clamped.

## BENEFITS AT A GLANCE

- ⊕ Reduced setup times of up to 50% as well as uniform and deformation-free setup
- ⊕ 3-side machining for turning and grinding parts, horizontal and vertical attachment possible
- ⊕ Combined magnetic and centering chuck clamping are possible
- ⊕ Manual or power-actuated centering, matching actuating units available



Clamping solution for rail traffic

# RÖHM CLAMPING SOLUTIONS FOR RAIL TRAFFIC

These chucks are especially suited for round workpieces with a diameter of up to 1350 mm. Particularly for train wheels or wheel flanges, this involves the optimal diameter.

## ALWAYS FIRMLY ON TRACK

Thanks to the automated retrofitting process, machining on both sides can be carried out conveniently to save time. In addition, the clamping range can be quickly and automatically adjusted at any time to the changing workpiece sizes.

## BENEFITS AT A GLANCE

- ⊕ Clamping diameter of up to 1350 mm
- ⊕ Flexible setup for individually changing workpiece size
- ⊕ Automated jaw adjustment for inner and outer machining
- ⊕ Horizontal and vertical attachment possible, power or manually actuated



Clamping solution for power plants and steel mills

# RÖHM CLAMPING SOLUTIONS FOR POWER PLANTS AND STEEL MILLS

Secure clamping of turbines or rollers with large dimensions, even for workpiece weights up to 250 tons. RÖHM guarantee this with up to 8 clamping jaws per clamping chuck and a clamping force of up to 60 tons per jaw.

## BUNDLE OF POWER WITH RESERVES

Long machining times of 200+ hours are routine for these chucks. The sustained clamping force is primarily realized by the manually actuated power spindles in the clamping jaws. Clamping-in is therefore secure and easy. With a clamping diameter of up to 4,5 meters and a maximum workpiece length of 20 meters, RÖHM chucks do what they promise.

## BENEFITS AT A GLANCE

- ③ Chuck diameter up to 5000 mm
- ③ 4 or 8 clamping jaws, 60 tons of clamping force per jaw
- ③ Secure clamping thanks to power spindles
- ③ Horizontal and vertical attachment possible, manually actuated



Clamping solution for the oil field industry

# RÖHM CLAMPING SOLUTIONS FOR THE OIL FIELD INDUSTRY

These clamping fixtures were specially developed for machining the ends of pipes. With a passage of 650 mm, pipes having large diameters can be securely and precisely clamped.

## SMOOTH-RUNNING CHUCKS

The clamping chuck is actuated hydraulically, pneumatically or via spring force, according to the machine design. The workpieces can be clamped centrally or with compensation, depending on the type of machining.

## BENEFITS AT A GLANCE

- ⊕ Machining of pipes with large diameter
- ⊕ Either centric clamping or with compensation
- ⊕ Large jaw stroke
- ⊕ Horizontal and vertical attachment possible



RÖHM swivel chuck for  
manufacturing bushings



External clamping

Lifting device

Internal clamping

# RÖHM LIFTING DEVICE - AUTOMATICALLY FASTER

## INTEGRATED INTELLIGENCE

Our clamping chucks with lifting devices not only clamp workpieces securely and precisely, but make it easier to further machine heavy workpieces, thanks to the integrated lifting device. After lifting the workpiece by the

lifting device, the automated change from outer to inner clamping makes the next machining steps possible entirely without retrofitting.

## BENEFITS AT A GLANCE

- ⊕ Effective machining of the outer and inner contours
- ⊕ Lifting device integrated in the chuck
- ⊕ Vertical attachment, device power-actuated or hydraulically actuated

# RÖHM JAW BOXES FOR LARGE, HEAVY AND BULKY WORK PIECES

## BULKY WORK PIECES TIGHTLY GRIPPED

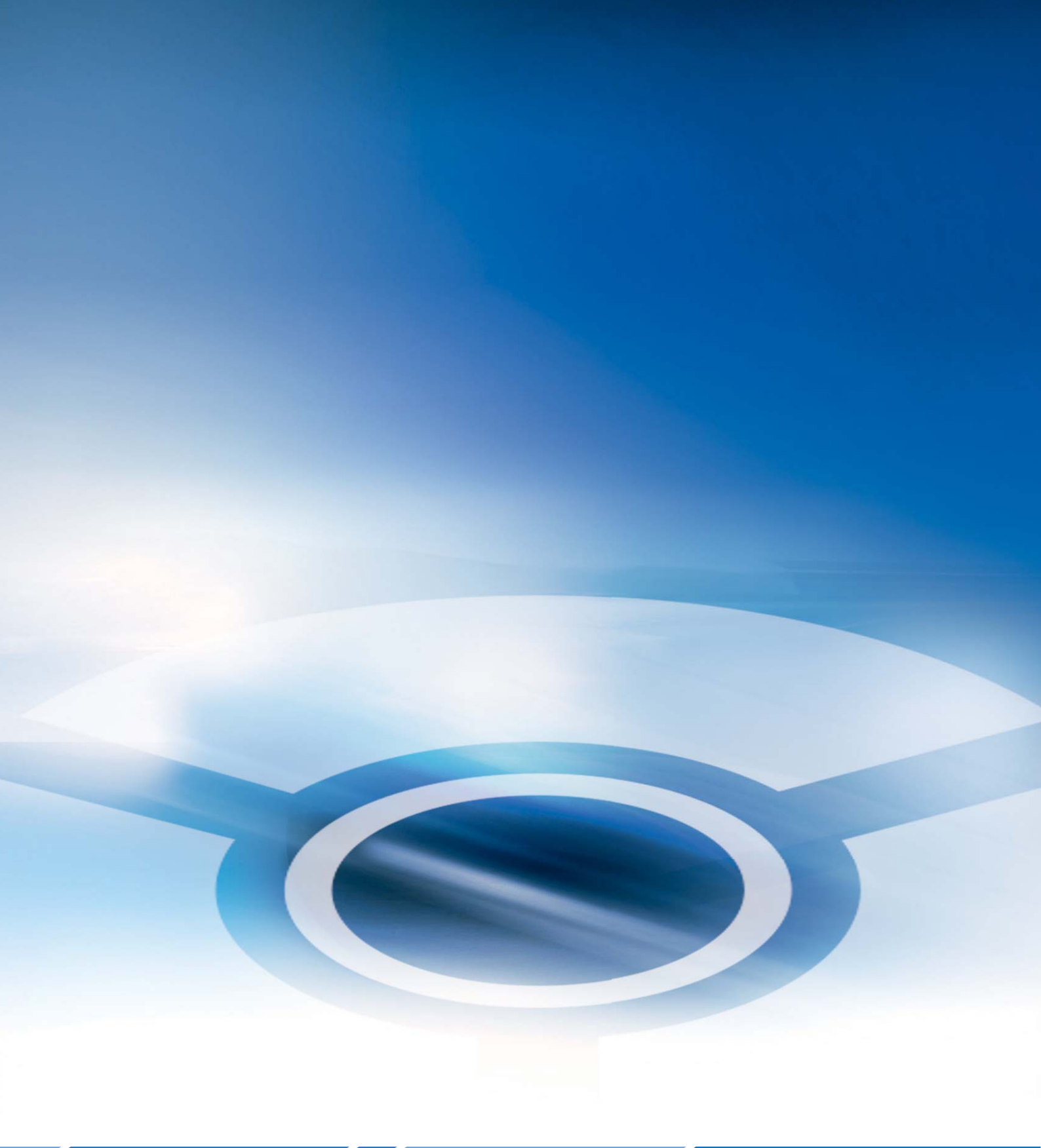
RÖHM jaw boxes are literally gripping. Whether you have to mechanically fix large objects under 50 tons or whether you work with spindles with power gear ratios up to 60

tons, with RÖHM universal clamping devices, even bulky housings always remain in position.

## BENEFITS AT A GLANCE

- ⊕ Powerful, universal clamping device
- ⊕ For holding bulky, large workpieces
- ⊕ Can be flexibly used for machine tables
- ⊕ Starting from Ø 1200 mm





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