

# EvenWall®



## SUPER POWER SECTION FOR MUD MOTORS

# STATOR

The Kächele EvenWall® Power Section offers new application fields for directional drillers. Indeed superior to other technologies!

### FEATURES:

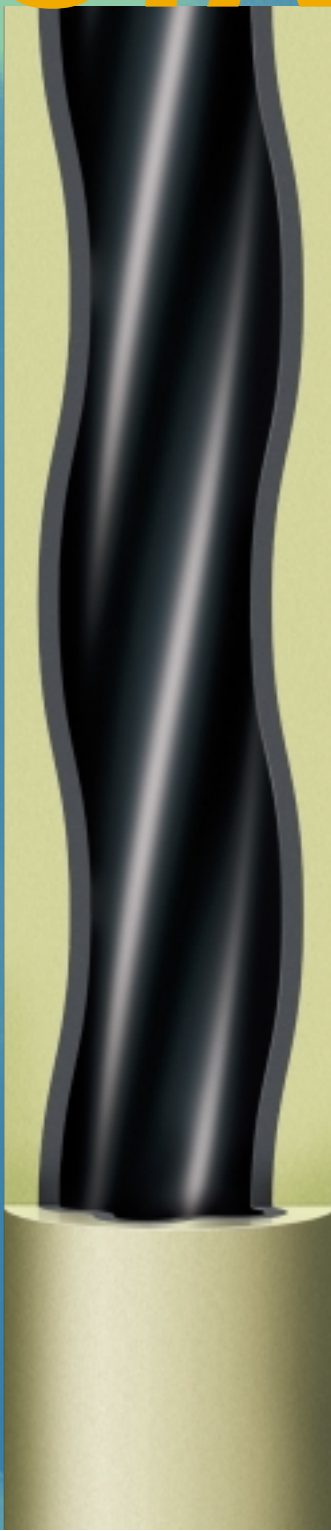
- Stator tube max. OD=175 mm/6,75 inch
- Tensile strength approx. 900 N/mm<sup>2</sup>, material: 42 CrMo4 equal 1.7225
- Max. wall thickness of the stator tube: 31.75 mm or 1.25 inch
- High-temperature elastomer for well temperatures up to 400°F available

### ADVANTAGES:

- No heat-build-up problems
- Better interference fit
- More torque and greater horsepower with the same length
- High tolerance fit
- Higher penetration rates
- No detrimental friction
- Lower gap leakage
- Less elastomer swelling

### BENEFITS:

- Shorter power sections and shorter mud motors: lower drilling radius
- Better performance
- Improved penetration rates
- Higher lifetime
- Longer drilling runs
- Applications in very deep wells and high temperatures become possible now
- More reliability

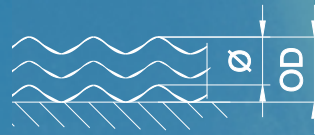


# EvenWall® ROTOR

A new manufacturing process enables Kächele to make rotors in EvenWall® design. The lower weight of the hollow rotor reduces vibrations and improves life time. After all an investment for a quick pay off.

## FEATURES:

- Very accurate tolerance fit: +/-5/100 mm or 2/100 inch
- Max. Rotor OD: 160 mm/6.25 inch



- Lower weight than conventional rotors
- Material with very high strength
- Composite design
- Corrosion-resistant jacket tube in stainless steel
- Uniform thickness on the chrome layer
- Very fine chrystal texture: 800 cracks per cm<sup>2</sup>
- Chrome hardness: 950 to 970 HV
- Very hard-tough chrome layer characteristics
- Patent pending

## ADVANTAGES:

- Chrome layer is harder and tougher than conventional chroming
- Chrome layer offers more corrosion-resistance: Higher lifetime
- Lower weight allows higher rotational speeds
- Lower weight results in less vibrations and higher lifetime

## BENEFITS:

- New application fields are opened with the sophisticated new design
- Longer drilling runs
- Highly competitive pricing

**KÄCHELE**  
V I B R A S T O P



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