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**Your International Project- and Supply Partner when it comes to**

**BIG DRIVE GEAR TECHNOLOGY**  
Engineered and manufactured in Germany  
High Grade Material Quality  
Approved German quality standards

**Production Activity**

- complete drive systems
- gearboxes
- spare parts for gearboxes
- refurbishment / repair of gearboxes
- gearbox rehabilitations

**References**

- Numerous worldwide references available on request

**Contact us for any actual demand you may have!**



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## Complete Mill Drives



Replacement solutions for old mill drives worldwide



Conversion + optimization of practically any size + make

[www.exsellor.com](http://www.exsellor.com)

## Complete Mill Drives for Cement Industry



### Replacement of 2 old mill drives



### and commissioning of the units at customers site





## Technical Data of Mill Drives for horizontal ball mills



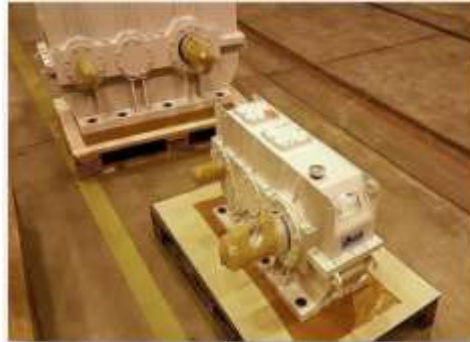
| Mill Dimension / Type | Rated Power of Gearbox in kW | Gearbox Type        | Gearbox Weight in kg |
|-----------------------|------------------------------|---------------------|----------------------|
| Ø 2,6 x 13 m          | 1.000                        | Spur Gear Unit      | 23.000               |
| Ø 2,6 x 13 m          | 1.250                        | Spur Gear Unit      | 25.500               |
| Ø 3,0 x 14 m          | 1.600                        | Spur Gear Unit      | 34.500               |
| Ø 4,0 x 13,5 m        | 3.200                        | Spur Gear Unit      | 61.500               |
| Ø 4,0 x 13,5 m        | 3.200                        | Planetary Gear Unit | 48.000               |
| Ø 4,6 x 15 m          | 4.250                        | Planetary Gear Unit | 66.800               |



## Gear Boxes for Steel Industry



### Design and manufacture of hoisting gearboxes





## Drives for Rotary Kilns and Drying Drums



**All gearbox types re-designed according to customer needs  
and precisely adapted to application**



**Installation at customers site**



## Technical Data of Drives for kiln and drying drums



| Rotary kiln Diameter | Rated Power of Gearbox in kW | Gearbox Type   | Gearbox Weight in kg |
|----------------------|------------------------------|----------------|----------------------|
| Ø 3,6 m              | 180                          | Spur Gear Unit | 10.500               |
| Ø 3,6 m              | 210                          | Spur Gear Unit | 9.100                |
| Ø 3,6 m              | 250                          | Spur Gear Unit | 28.000               |
| Ø 4,5 m              | 575                          | Spur Gear Unit | 33.500               |
| Ø 4,5 m              | 817                          | Spur Gear Unit | 33.500               |
| Ø 4,8 m              | 1.000                        | Spur Gear Unit | 13.300               |
| Ø 5,0 m              | 1.600                        | Spur Gear Unit | 34.500               |





## Complete Turbo Drives



Replacement solution for the turbo gear types:

- B 20 • AM 20 • AM 40 • ETU40 • and many others



Replacement solution for different turbo gear box manufacturers like:  
**RENK Siemens FLENDER Lufkin  
Voith Turbo, CMD and others**



## Complete Gearboxes for various industries



- Cement
- Steel
- Mining
- Energy
- Oil + Gas
- Raw Material
- Sugar
- Marine
- Cranes
- Construction

## Gears for Agitator-, Ventilator-, Conveyor Drives.....



..... Pumps , Wind Turbines

### Re-manufacturing of specialised Gear and Drive Parts

- Gear Sets , Shafts, Wheels, Crowned Gears, Sprockets, Pinions
- Internal Teeth Rims, Double Gearing, Spur Wheels, Bearings,
- Geared Rings, Machine Axles, Planet Carriers, Housings



**Re-engineering with adapted transmission ratio of spare part gear sets for FLENDER turbo drive T355 for a sugar plant in Cuba**





# Spare Parts





## Refurbishment + Repair of Gear Boxes



### Pump Gear Box, before and after repair + refurbishment



Old condition before cleaning, measurement and repair



Damaged gearing and bearings

### Refurbishment/repair of a RENK planetary turbo gearbox



#### Scopes of the work:

- Production of new planetary bolts (measurement and reconstruction)
- Production of new plain bearings
- Manual insertion (scrapping) of the plain bearings
- Re-assembly of the gearbox
- New coating
- Load test run on our test stand



Assembly of the new manufactured gear set with new bearings, after measurement and re-engineering of the old gear set.

### Refurbishment/repair of a planetary-agitator gearbox for CEMEX





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