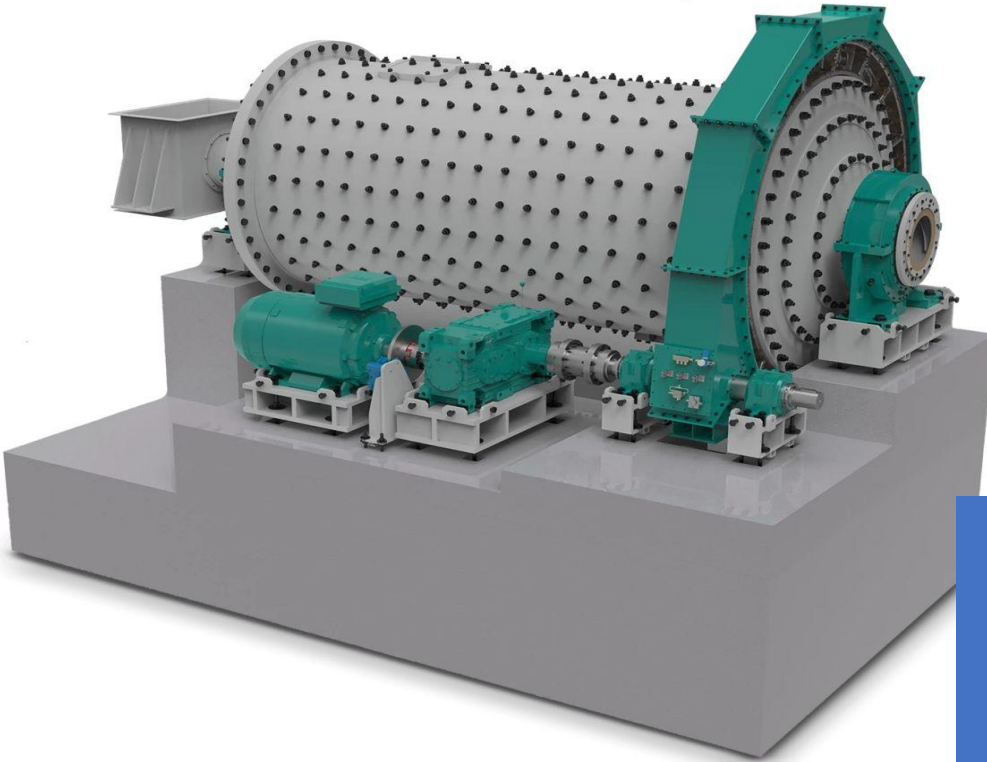




CENTERCONE

MACHINERY INDUSTRY AND TRADE LIMITED COMPANY

BALL AND ROD MILLS



CENTERCONE ball mills deliver high grinding efficiency thanks to optimized drum geometry, reinforced bearings and a robust gear drive.

Technical specifications of the mills

Drum Diameter (mm)	Drum Length (mm)	Motor Power (kW)	Weight of grinding balls (kg)
Ø1000	1200 – 3000	15 – 45	2000 – 5500
Ø1200	1500 – 3500	18 – 55	3500 – 9000
Ø1500	1500 – 4000	30 – 90	3500 – 9500
Ø1800	2000 – 6000	75 – 200	6500 – 20000
Ø2200	2500 – 10000	132 – 400	13000 – 52000
Ø2500	3000 – 10000	250 – 710	20000 – 69000
Ø2800	3000 – 10000	315 – 900	26000 – 88000
Ø3000	3500 – 10000	400 – 1100	32000 – 95000
Ø3200	3500 – 11000	450 – 1300	39000 – 112000
Ø3400	3700 – 11000	560 – 1600	48000 – 143000
Ø3600	4000 – 11000	710 – 2000	58000 – 161000
Ø3800	4000 – 11000	800 – 2200	64000 – 178000
Ø4000	4500 – 11000	1000 – 2500	80000 – 196000

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BALL AND ROD MILLS



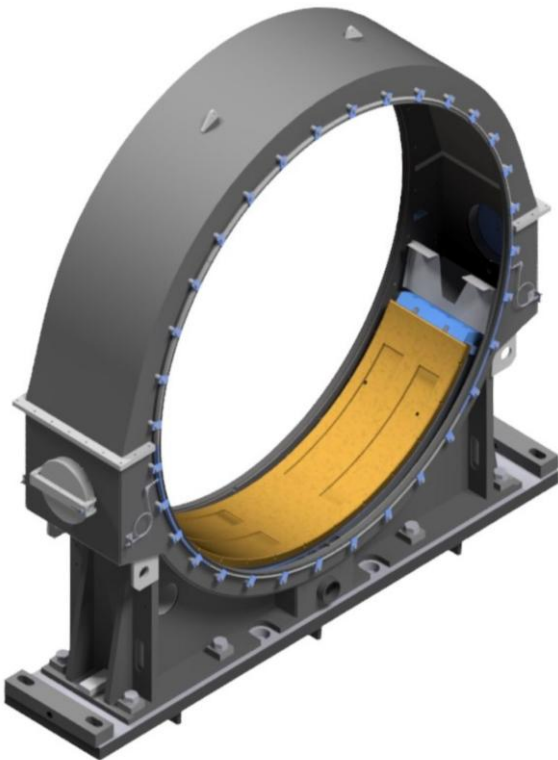
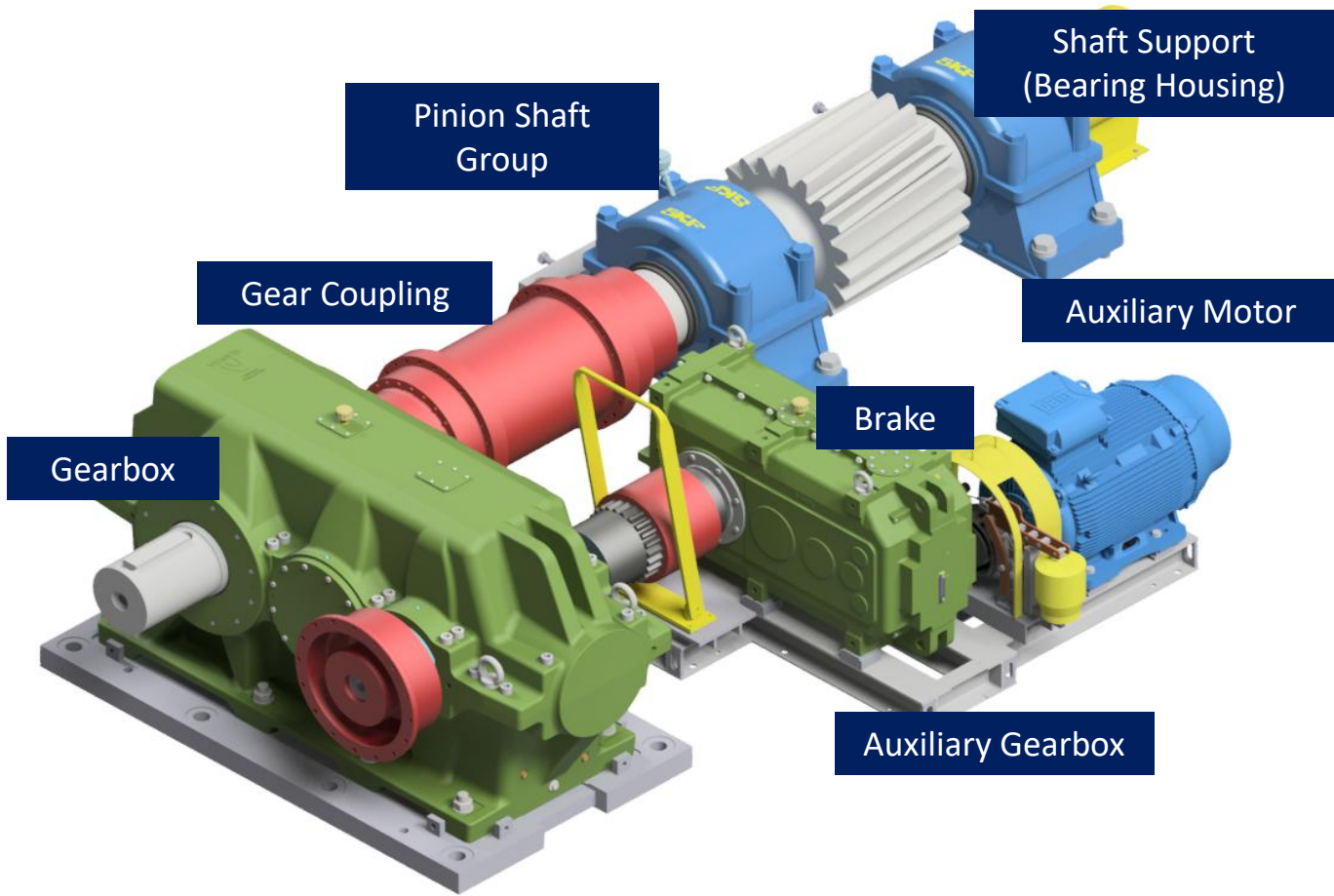
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BALL AND ROD MILLS



The CENTERCONE mill drive system consists of several key components that ensure smooth power transmission, safe operation, and ease of maintenance:

- Electric motor: provides the primary torque for mill rotation.
- Gearbox: reduces motor speed and transmits torque to the pinion shaft.
- Clutch: provides a controlled connection between the motor and gearbox, ensuring a smooth start and overload protection.
- Brake system: used to stop and lock the mill during maintenance or liner replacement.
- Inching drive system: ensures slow and precise mill rotation during inspection or adjustment.
- Shaft couplings: transmit torque between components, compensating for misalignment and vibration.

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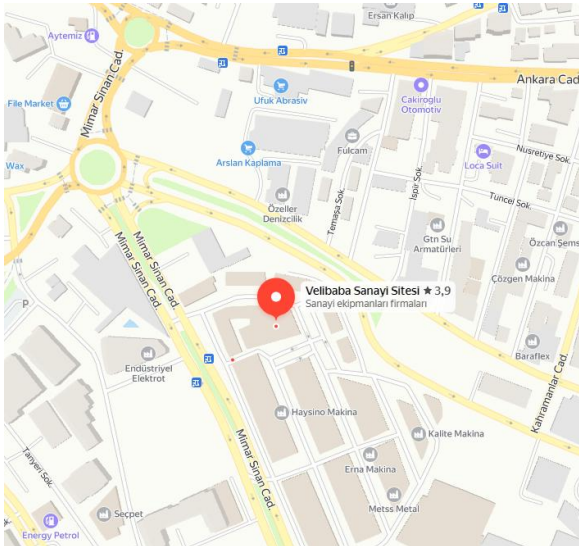
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BALL AND ROD MILLS

We manufacture mill liners by developing optimal geometries and selecting materials to meet the requirements of ore beneficiation or raw material grinding processes.



CENTERCONE mills are designed for efficient grinding of ore and non-ore materials. The drum design and reliable drive system ensure stable operation, uniform load distribution, and minimal vibration during long-term use.



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