MINING INDUSTRY

>> One Single Partner for all Your Needs <<
Gear Ø 13020 mm - in FerryNod° 320
Dual drive – 2×6750 kW
GRINDING (Ball and SAG Mills)

- Bearings
- Girth gears
- Ball Mill head in halves
- SAG Mill Heads
- Pinions
- Trunnions
- Lubrication units
- Pinions – sub-assembled
- Spring Coupling
- Teeth Coupling

- Compact lateral drives
  - Millrex 99: Dual-pinion self-aligning drive (2, 3 & 4 stages)

- Parallel-shaft reducers
  - ERmill: Single-pinion self-aligning drive
  - ERmaster: Single and multi-stage reducers

- ERmaster: Inching drive brake system

Scan this QR Code to watch the video of VBCM16:

CAST IRON AND STEEL  FABRICATION  MACHINING  MECHANICAL POWER TRANSMISSION SOLUTIONS
**PYRO / SMELTING**

**# KILNS - DRYERS**

- Shafted support rollers
- Riding ring fitted on kiln shell
- Lime kiln
- Rotary dryer

**# CONVERTERS - FURNACES**

- Support rings (cast steel or ductile iron)
- Bogiflex® "type BFT" central drive
- ERmaster® parallel-shaft reducers
- Bogiflex® KGD self-aligning kiln gear drive

CAST IRON AND STEEL | FABRICATION | MACHINING | MECHANICAL POWER TRANSMISSION SOLUTIONS
**THICKENING AND CLARIFICATION**

Worm gear drives (rotation/lift functions)

**FLOTATION AND AGITATION**

ERmaster© reducer units for high capacity cells

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**OUR ADDED VALUE**

**Test bench**

- Multiple in-house test benches for product development and run-testing of custom gearboxes
- Gear drive training center
Over thirty qualified engineers and technicians within Groupe CIF are capable of travelling the world over for operations ranging from installation and commissioning of supplied products, to preventive maintenance and technical assessments.

- Reverse Engineering
- Supervision - Commissioning
- Monitoring
- Assessments/Recommendations
- Refurbishment of all types/brands of gearboxes

#### R&D - ENGINEERING
- Finite Element Analysis (FEA)
- Solidification and Flow Simulation Modeling
- Mechanical drive train design
  (open and enclosed gearing)
- Development of custom mechanical couplings
- Conversion of fabrications to castings
  (iron or steel)
- Technical staff of approx. 100 engineers/technicians
- Multiple patents each year

#### MATERIAL DEVELOPMENT
- Proprietary metal casting grades
  (FerryNod®, Ferrynox)
- Full metallurgical test lab

#### OUR ADDED VALUE
- **R&D - EnginEERing**
- **MATERIAL DEvELopMEnT**
- **CAST IRON AND STEEL**
- **FABRICATION**
- **MACHINING**
- **MECHANICAL POWER TRANSMISSION SOLUTIONS**