

PINIONS

1. Through hardened
2. Induction hardened
3. Case carburised
4. Self aligning

CAPACITY

Size: 1.6m face width x 6m long.
Hardness: to 62HRC.
Quality: AGMA 15 (DIN 2).

GIRTH GEARS

1. SG iron
2. Cast steel
3. Austempered SG iron
4. Forged fabricated
5. Forged fabricated, induction hardened

CAPACITY 15m (50ft)

Size: 2.5m face width x 15m diameter.
Hardness: to 52HRC (500BHN).
Quality: AGMA 10 (DIN 7).



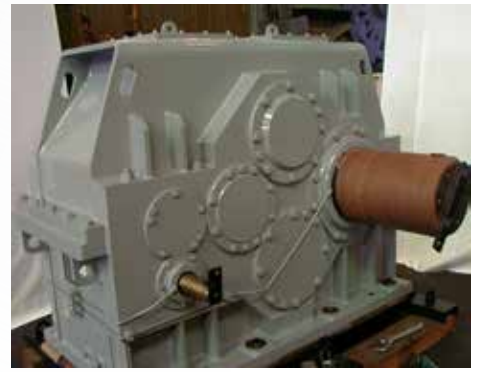
SELF-ALIGNING DRIVES

- Automatically maintains 100% gear contact regardless of movement in foundations and/or driven component.
- Can use recirculating filtered oil.
- Reduced maintenance as alignment checks and adjustments are eliminated.
- Power to 10,000kW per gearbox.



STANDARD GEARBOXES

- Completely designed and manufactured in-house to AGMA, DIN or ISO standards.
- Standard range of multi-stage drives.
- Precision case-carburised and ground gearing to AGMA 15 (DIN 2) for quiet, reliable operation.



SPECIAL GEARBOXES

- Special gearboxes can be designed to fit existing foundations as a direct replacement of old drives. (Flender, Falk, Valmet etc.).
- Power upgrades, ratio changes and replacement parts available.
- Torque-splitting gear drives.



INCHING DRIVES

A range of inching drives to fit new and existing mill and kiln drives. Features include:

- Planetary main reduction
- Hydraulic or electric
- Integral or separate brakes
- Disengaging couplings



GEAR PROTECTION SYSTEMS

- Continuous & intermittent grease spray systems.
- Re-circulating filtered oil systems.
- Infrared temperature monitoring systems.
- Measures gear mesh temperature.
- Sealing systems for girth gears and trunnion bearings.



LUBRICANT SUPPLY

Hofmann's lubrication division has an agreement with Kluber Lubrication Germany AG to supply a range of products, directly formulated to protect the gearing that we design and manufacture.

This forms an integral part of **Hofmann's Gear Protection Package** used to improve the life of high performance gearing.



ON-SITE MACHINING

- Flange and journal machining to 14m dia.
- Line boring and drilling to 3m dia x 6m L.
- Grinding and finishing of kiln tyres.
- Milling of keyways and surfaces.
- Welding and heat-treatment.
- Bolt tensioning.
- Special purpose machinery designed and manufactured to suit the application.



ON-SITE INSPECTION & CONSULTING SERVICE

- Inspection and assessment of mill and drive trains.
- Failure analysis including Engineering and Gearing design review. Finite Element Analysis and Metallurgical Analysis.



SITE SERVICES

- Laser alignments of drive trains
- Girth gear/pinion installation.
- Reconditioning of worn gearing using case hardened pinions and chemical etchant.
- Trunnion bearing installation including scraping in of white metal bearings.

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