

SERVING
INDUSTRY for
50
years
SINCE 1969

SELF ALIGNING DRIVES

Hofmann Engineering's Self Aligning Drives automatically maintain 100% contact 100% of the time through all loading stages, regardless of:

- Mating gear axial run out
- Foundation movement and temperature expansion changes
- Deflections and load variations

APPLICATIONS

- Mills, kilns, dryers and car dumpers
- Draglines, shovels, winders and slewing drives
- Any gear drive where self aligning is required to reduce maintenance

Case hardened gear couplings to transmit torque.

Hardened spherical bearings to enable self aligning motion.



MILL DRIVES TO 20,000KW

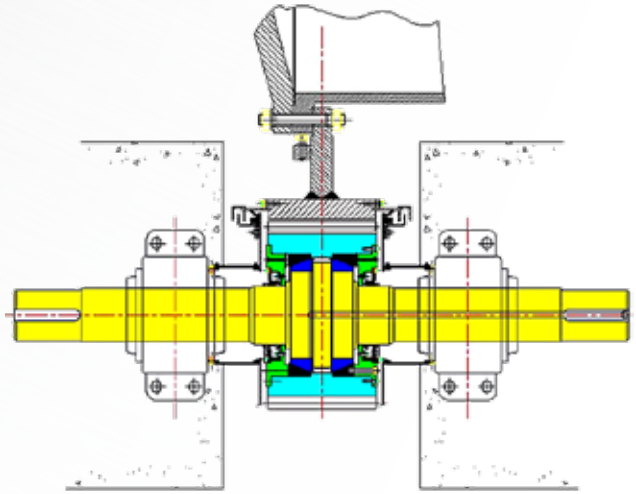
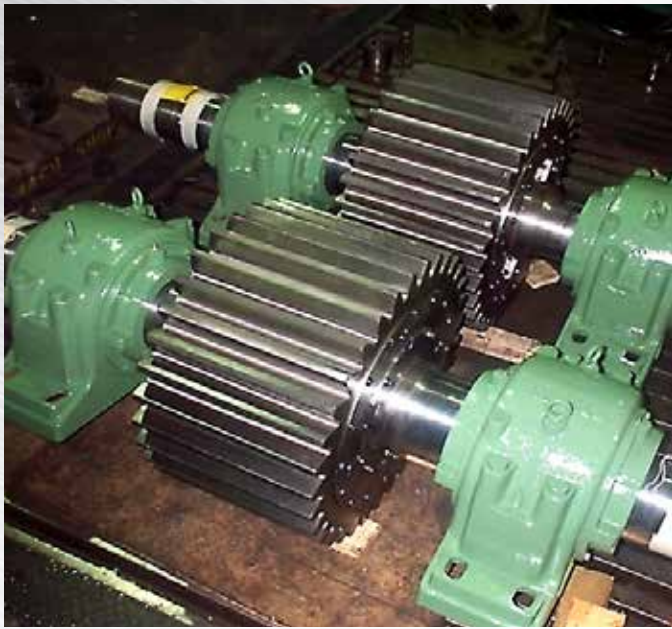
- Using 2 off 10,000kW drives.
- 4 off self aligning pinions drive the girth gear.
- Mechanical drive options to 34MW.



DIRECT MESH GEARBOX

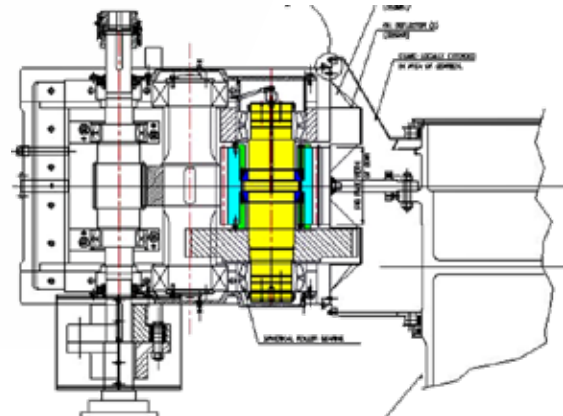
Incorporating twin torque splitting self aligning pinions to 10,000kW.

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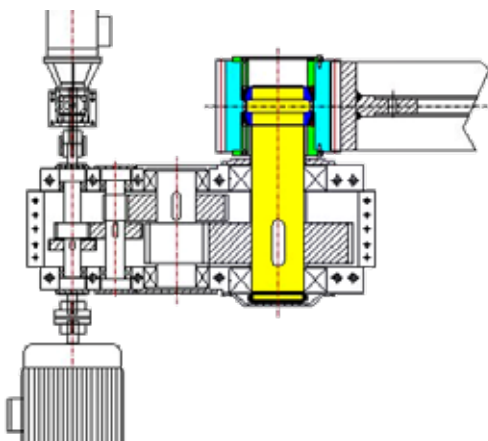
SAP - SELF ALIGNING PINIONS

Conventional Self Aligning Pinion with plummer block bearings.
 • Retrofit to existing mills and drives. • Pinion shaft is reversible.



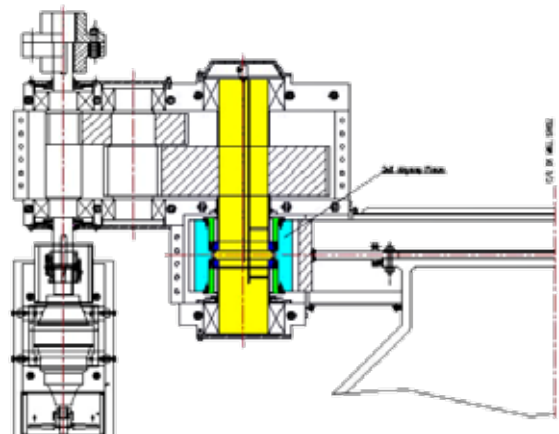
SATP - SELF ALIGNING TWIN PINION DRIVE

• 4 standard sizes - 18Mn, 22Mn, 25.4Mn & 30Mn - that cover the complete range to 10,000kW.
 • Single motor runs two self aligning, torque splitting pinions direct meshed with the girth gear.
 • Reduced foundation, installation and running costs.
 • Oil re-circulating system for gearbox and girth gear.



SAOP - SELF ALIGNING OVERHUNG PINION DRIVE

Self aligning overhung pinion mounts directly to output shaft main gearbox.
 • Lowest foundation and installation costs.
 • No low speed coupling or plummer bearings.
 • Split lube system between gearbox and open gearing is now possible.



SASP - SELF ALIGNING SINGLE PINION DRIVE

Self aligning pinion mounts directly to the output shaft and is integral with the main gearbox.
 • Reduced foundation and installation costs.
 • No low speed coupling or plummer bearings.
 • Split lube system between gearbox and open gearing is now possible.

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