

**SELF
ALIGNING
DRIVES**

Since 1969 Hofmann Engineering has provided specialist engineering services to Australia's industry leaders.

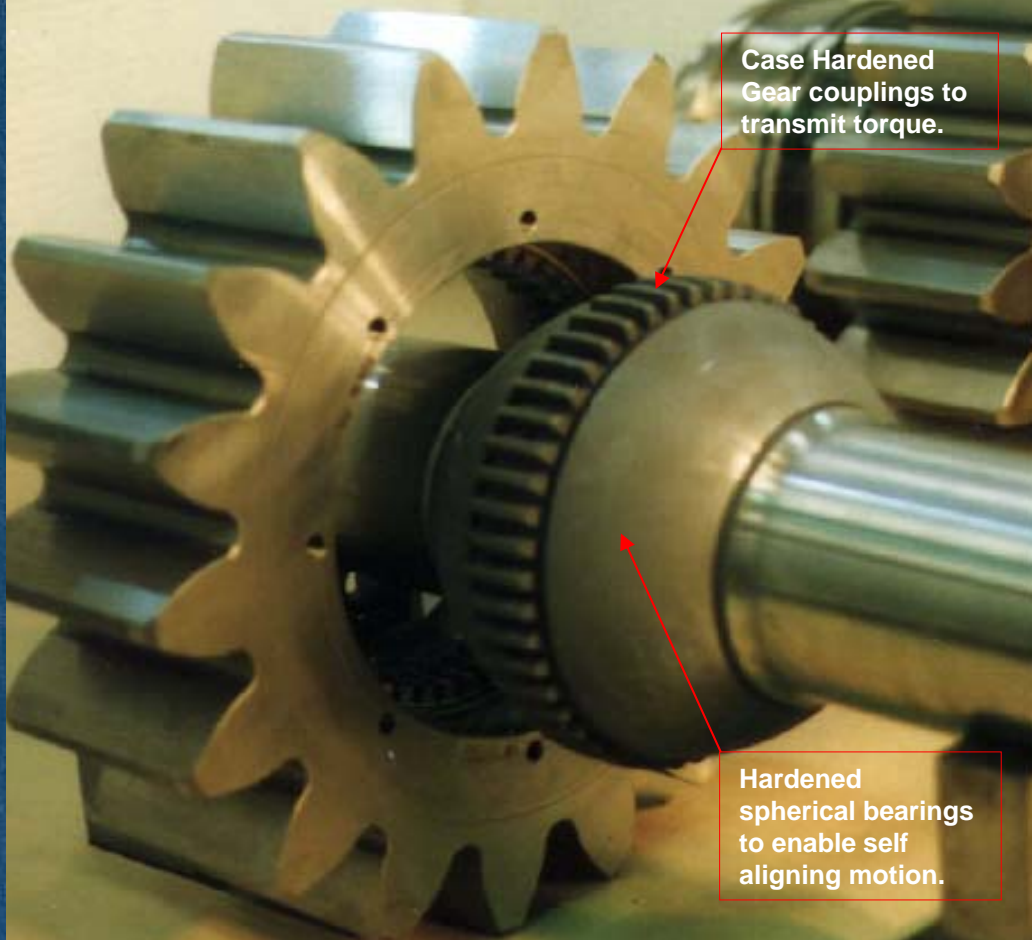
Quality Assurance accreditation by Bureau Veritas complements our total quality culture.

Our commitment to continuous quality-improvement touches every aspect of our products, services and customer support.

HOFMANN ENGINEERING PTY LTD

A.B.N 74 380 411 420
A.C.N 008 802 211
3 ALICE STREET,
BASSENDEAN, PERTH,
WESTERN AUSTRALIA 6054

Telephone: +61 8 9279 5522
Facsimile: +61 8 9279 9386
Internet: www.hofmann.net.au
Email: mail@hofmann.net.au



Case Hardened
Gear couplings to
transmit torque.

Hardened
spherical bearings
to enable self
aligning motion.

HOFMANN SELF ALIGNING DRIVES always maintain 100% contact automatically 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.
- Dragline, Shovels, Winders and Slewing Drives.
- Any gear drive where self aligning is required to reduce maintenance.



**DIRECT MESH GEARBOX
INCORPORATING TWIN TORQUE
SPLITTING SELF-ALIGNING
PINIONS TO 10,000KW**

MILL DRIVES TO 20,000KW

- Using 2 off 10 000kW drives.
- 4 off self aligning pinions drive the girth gear.

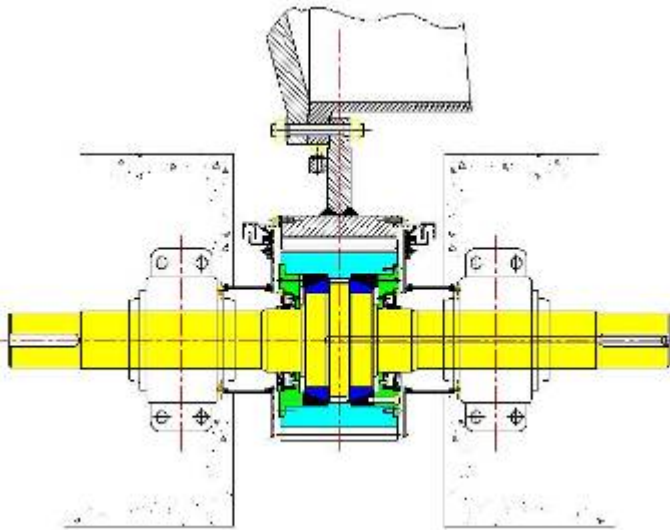




1) SAP - Self Aligning Pinions

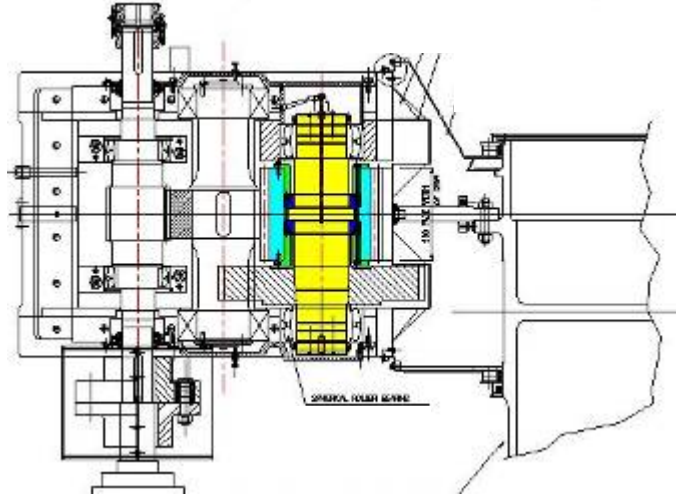
Conventional Self Aligning Pinion with plummer block bearings.

- Retrofit to existing mills and drives.
- Pinion shaft is reversible.



3) SATP - Self Aligning Twin Pinion Drive

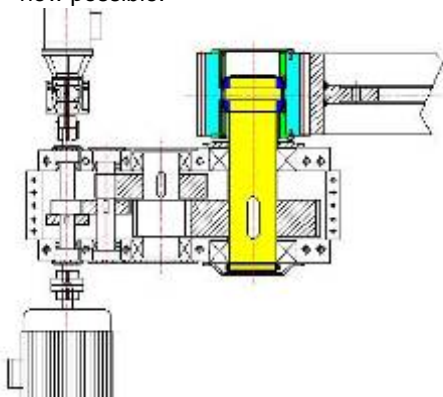
- 4 standard sizes 18Mn, 22Mn, 25.4Mn & 30Mn that covers the complete range to 10,000kW.
- Single motor runs two self aligning, torque splitting pinions direct meshed with the girth gear.
- Reduced foundation, installation and running costs.
- Oil re-circulating system for gearbox and girth gear.



2) 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.



4) 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.

