

**HOFMANN
ENGINEERING**

**EXCAVATORS
&
RECLAIMERS**

REPLACEMENT PARTS

**KRUPP
O&K
VOEST ALPINE
MITSUBISHI**

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

Quality Assurance certification by Lloyds complements our total quality culture.

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

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An operational Bucket Wheel Reclaimer transferring coal onto an overland conveyor.



The Bucket Wheel and fully enclosed Bucket Wheel Gear box situated at the end of the boom.

AN ALTERNATIVE TO NEW IS
RECONDITIONED

OLD BUCKET
WHEEL
GEARBOX



RECONDITIONED



NEW BUCKET
WHEEL
GEARBOX



Hofmann Manufactured new Bucket Wheel Gear box (630kW) complete with torque arm (see over for further details).



BOGIE ASSEMBLIES

Complete bogie assemblies including fabrication, machining and assembly of equalisers plus supply and assembly of gearbox / motor and wheels.



SLEW BEARING to 15M

Designed and manufactured to suit your specific requirements, or re-engineered from sample.

Induction hardening of the bearing surfaces is carried out using the latest technology.

Each Slew Bearing is supplied with full certification covering Material, Heat Treatment and Dimensional Checks.



ONSITE MACHINING OF SLEW BEARING

- Perform large site machining projects up to 14m dia.
- Slew bearing installation and alignment also performed by our skilled technicians.



ROLLING THE SLEW GEAR RIM FORGED HOFALLOY PLATE

10.2 metre forge/fabricated slew gear manufactured from AGMA grade 2 plate during the initial rolling of the rim plate. The plate shown is 150mm thick, however plate is stocked up to 220mm thick.



GEAR CUTTING THE SLEW GEAR

The 4 segment 10.2m dia slew gear is being cut as an assembled ring. This ensures accurate pitching over all the split lines.

- Individual segment lengths from 1m to 12m possible.



FINAL PREPARATION OF COMPLETED SLEW GEAR

Final preparation for despatch including corrosion protection prior to securing in fully enclosed crates.

- Assembly simplified by having long segment lengths.



TORQUE SPLITTING BUCKET WHEEL GEARBOX

One of the most complex gearboxes to be manufactured at Hofmann Engineering. The gearbox is fully fabricated in 3 sections from grade 350 plate and weighs 22 tonnes when complete with torque arm.



BUCKET WHEEL GEARBOX

The gearbox comprises all carburised and ground gearing from the spiral bevel input stage to the torque splitting arrangement achieved through the planetary stage, "the circular casing on the outside of the gearbox encloses the planetary stage gearing".



SITE SERVICE

- Complete assembly of stackers and reclaimers.
- Site inspection including
 - slew bearing and gear measurements
 - crack detection both MPI and UT
 - gearbox inspections
- site fitting including gearbox, slew bearing and bucket wheel change outs