



The mining industry driven by David Brown

Manufacturing and Service Centres

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Approved David Brown service and repair facilities

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The complete mining industry product range

David Brown offers an extensive product range for mining industry applications, including standard gearboxes and specialist, custom engineered units. We can meet your needs whether that's for one gearbox, shovel component or drive system or thousands. David Brown is committed to being the best in industry.



Overground CX series conveyor gearboxes 6

- 4X times greater bearing life
- Up to 50% improvement in thermal rating without the need for external cooling systems
- Optimised gear tooth profiles, verified to reduce noise even at maximum power capacity
- Extremely rugged FEA designed cast housing gives superior power to weight ratio

Underground CX series conveyor gearboxes 6

- Compact design
- Axial flow fan
- 4 sided cooling channels
- Large inspection covers
- Horizontal split housing
- 60,000 L10a life on all bearings at 1.5 service factor
- Alignment free lantern availability
- Global service expertise, locally delivered ratio

Mill drive gearboxes 7

- Single, double or triple reduction depending on the required ratio and motor speed
- Simple lubrication and cooling system
- Specially optimised ratios are available on request for replacement units, or designed as part of a MDX mill drive system
- Customised designs are available

Barring drives 8

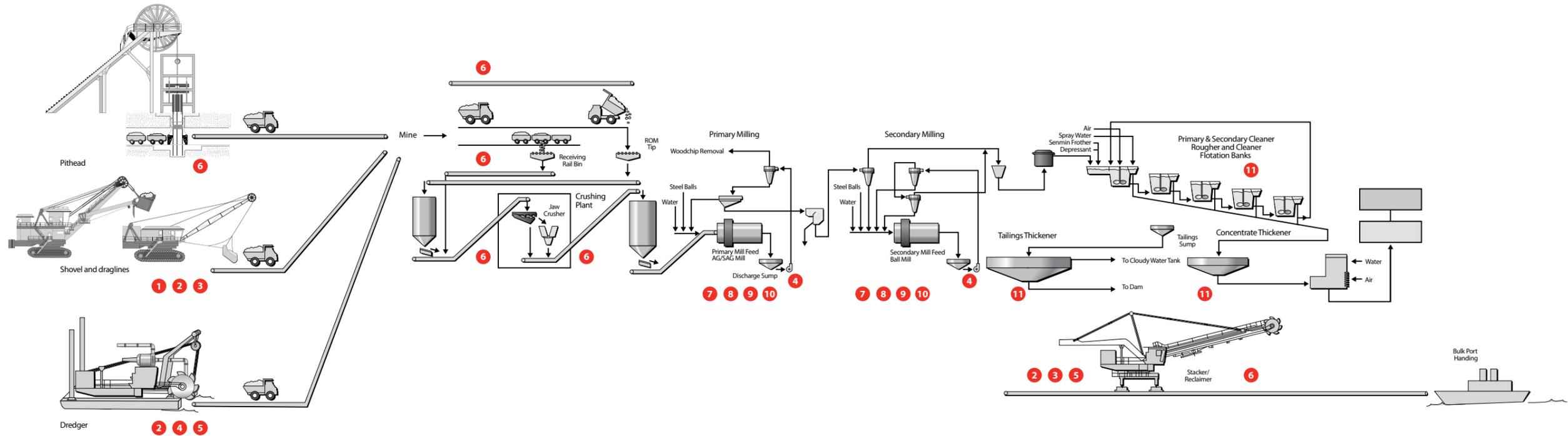
- David Brown can supply mill drives with integral barring drive systems
- Barring drives and clutches can be designed as part of an overall system or as a separate add-on, including drop-in replacements

Pinions 9

- Mill pinions designed and manufactured up to AGMA grade 12 accuracy (DIN/ISO grade 5) and up to 50 module
- Integral pinions up to 4 metres long
- Maximum gear face width of 1.2m
- 2 different options available: case carburised or through hardened
- Mill pinions can be manufactured as integral with the shaft or non-integral (removable)

Girth gears 10

- Girth gears can be manufactured in 2,3,4,5,6 or 8 or more segments and for both T and Y section gears
- Can be manufactured from either cast steel, ductile iron or forged/fabricated steel, hardness up to 320 BHN
- Largest diameter up to 14m with weight up to 105,000kg
- High integrity girth gears designed and manufactured to AGMA and other international standards



Hoist drives 2

- Mine hoists and associated equipment available in many types and sizes
- David Brown can custom design to your exact specifications

Shovel and dragline components 1

- Replacement components engineered to optimise and extend product reliability
- Options for preventative maintenance contracts and scheduled servicing
- Service, repair and upgrade of existing equipment, gearboxes and components
- Options for service exchange or drop in replacement units
- Most machine models covered

Stacker / reclaimer drives 2 + 3 + 5

David Brown has a long history of manufacturing and servicing geared drives for stackers and reclaimers.

- Long travel drives
- Conveyor drives
- Bucket wheel drives

Dredger drives 2 + 4 + 5

- The dredger drives can be designed and supplied to suit your requirements. Committed to providing high-class products with rapid turnaround

Service and repair

Retrofit replacement gearboxes

- We can offer drop in replacement gearboxes for all brands ensuring total dimensional interchangeability of shaft sizes and positions as well as commonality of bolt positions

Upgrading equipment and gearboxes

- The replacement unit can be upgraded from the original design, without changing the space requirements or interfaces

Overhaul, upgrade and repair

- Depending on your gearbox make or model, David Brown engineers can often carry out repairs on site to minimise the costs associated with removing the gearbox from its application

Full asset management

- Using latest video endoscope technology, our service engineers carry out full gearbox inspections to identify issues before they cause failure
- David Brown asset management plans proactively look after your gearbox with regular inspections, carefully scheduled repair and upgrades, we can also hold drop in replacement gearboxes to ensure minimal downtime

3X extended warranties

- David Brown offers a full 3 year warranty on any brand of gearbox that is serviced, repaired or upgraded by David Brown. With 3X your gearbox will be installed, commissioned and maintained at regular service intervals by a specialist David Brown service engineer

Slew drives 3

- Slew drives are available for draglines, shovels and stacker reclaimer applications
- Designs for new equipment and drop in replacements for existing equipment

Agitator drives 11

- A range of drives for agitator and mixer applications are available for all applications in mining and minerals processing
- Available in right angle and parallel shaft options
- Designs for new applications and drop in designs to replace existing equipment

Winder drives 2

- Mine hoists and associated equipment are available in many types and sizes and can be supplied as geared or as direct drives
- David Brown can custom design to your exact specifications

Slurry pump drives 4

- A range of slurry pump drives is available for all applications in mining and minerals processing
- Custom ratios available to exactly match your pump duty
- Designs for new applications and drop in designs to replace existing equipment