Proven Leadership

- 100 years of slurry pumping experience
- Many industry firsts including: hard metal slurry pump, rubber lined pump and expeller / dynamic seal.

Industry Leading Coverage
ITT Goulds Pumps offers the most complete line of products for the mining industry, including slurry, process and water pumps, valves, monitoring and control, and a full range of aftermarket and repair services.

Reliability
Due to our extensive portfolio for the mining industry we can provide the right pump for your service regardless of the application, thus maximizing your reliability. ITT Goulds Pumps provides your complete pumping solution.

Global Coverage
With sales offices, packaging and service centers located globally, ITT Goulds Pumps provides the coverage needed to serve our customers, whether small or multi-national companies located in any region.
ITT has provided pumping solutions to all types of mineral processing sites throughout the world for well over one hundred years.

We know that only “up-time” yields money and is paramount to our customers. The XHD, engineered to maximize up-time, expands the breadth of our mineral processing solutions portfolio and further complements the complete solutions that our experienced team can provide. We maximize the performance of your processing plants from start to finish.

Goulds XHD

Extra Heavy Duty
Lined Slurry Pump

Capacities to: 2950 m³/h (13,000 GPM)
Heads to: 85 m (280 feet)
Pressures to: 17 bar (250 PSIG)
Temperatures to: 120°C (250°F)

Services:
- **Primary Metals:** SAG/Ball Mill, Cyclone Feed, Tailings
- **Mineral Processing:** Slurry Transfer, Flotation Cells, Thickener Underflow
- **Non-Metallic Mining:** Heavy Media, Cyclone Feed, Raw Coal, Clay, Soda Ash and Phosphate Slurries, Slurry Heater, Slurry Digestion, Hydrate
- **Power:** Absorber Recycle, Gas Cooling, Filter Feed, Lime and Ash Slurries
- **Sand & Aggregate:** Sand Slurries, Tailings
Total Cost of Ownership is the most comprehensive way to identify the true expenses associated with operating and maintaining pumps. Initial price is a small fraction – on average just 10% of what you’ll spend to operate the pump over its lifetime. The Goulds XHD is designed to minimize these costs.
Goulds XHD delivers safety, performance, reliability and ease of maintenance. Because when your slurry pump goes down, production does too.
Goulds XHD

Extra Heavy Duty World-Class Lined Slurry Pumps

Designed for the toughest slurry applications

Patented i-Alert™ vibration and bearing temperature monitor.

Bearing Isolators on both end covers keep out dirt and moisture.

Compact pedestal for rigid vibration-free support. Designed to allow retrofit to existing installations. (Patent Pending)

Fully machined slide rails for accurate shaft and bearing cartridge alignment. Designed-in rebuild capability.

Critical frame alignment surfaces protected by frame clamps for years of maintainability, extending life in corrosive mineral processing environments.

Easy access dual rod impeller adjustment.

Standard impeller knockoff ring on all sizes and large access openings make maintenance easy.
Extra-thick, replaceable, hardened chrome iron liners for extended wear life.

Special tapered impeller thread to facilitate assembly and alignment. (Patent Pending)

Large diameter shaft for low deflection.

Adjustable seal ring to maintain clearance for peak performance. Can be adjusted while in operation.

OTHER FEATURES:
- CFD designed high efficiency impeller for reduced power and longer wear life
- Quick change-out wet end design
- Fully confined gaskets
- Flanges designed to suit ANSI, ISO and other standards
- Flood oil lubrication standard – grease option available
- Generous open gland area for easy access

Split stuffing box and gland for easier packing maintenance. Choice of packing, expeller or mechanical seals.
The Goulds Model XHD is the result of 100 years of slurry pumping experience.

The XHD incorporates the latest technology including CFD analysis to provide the next generation in severe-duty slurry pumping. Extensive “Voice of the Customer” input was utilized to insure our customers’ most important needs were met. This includes high efficiency with extended wear life, along with maximum reliability and ease of maintenance. The XHD is designed to keep your process running.
## Dimensions

<table>
<thead>
<tr>
<th>Pump Size</th>
<th>Frame Size</th>
<th>Flange Size DIN/ANSI</th>
<th>Dimensions</th>
<th>Shaft Dia.</th>
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<tbody>
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<td>Suct.</td>
<td>Disch.</td>
<td>A</td>
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<tr>
<td>80</td>
<td>PF2</td>
<td>100 / 4&quot;</td>
<td>75 / 3&quot;</td>
<td>300</td>
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<tr>
<td>125</td>
<td>PF3</td>
<td>150 / 6&quot;</td>
<td>125 / 5&quot;</td>
<td>400</td>
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<tr>
<td>150</td>
<td>PF4</td>
<td>200 / 8&quot;</td>
<td>150 / 6&quot;</td>
<td>515</td>
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<tr>
<td>200</td>
<td>PF4</td>
<td>250 / 10&quot;</td>
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<tr>
<td>300</td>
<td>PF5</td>
<td>350 / 14&quot;</td>
<td>300 / 12&quot;</td>
<td>925</td>
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</tbody>
</table>

### Notes:
1. All dimensions in mm.
2. Not for construction, installation, or application purposes.
3. Pedestal width.
Reliability has no quitting time.

**ITT PRO Services** provides an array of services focused on reducing equipment total cost of ownership (TCO) and increasing plant output, including predictive monitoring, contract maintenance, field service, engineered upgrades, inventory management, and overhauls for pumps and other rotating equipment.

**Design & Sourcing**
- Site assessment to evaluate current practices, procedures, systems and workforce culture to guide the implementation of asset tracking and management.
- Life Cycle Costing to minimize total cost of ownership through initial design, standardization and sourcing.
- Design support for all new system upgrades and modifications.

**Inventory Optimization**
- Efficient and timely parts supply
- Engineered parts for obsolete equipment
- Inventory analysis and management

**Operation**
- Equipment monitoring and control products and services to improve system reliability and up-time
- ITT on-site experts identify and resolve bad actor equipment issues through:
  - Root cause failure analysis
  - Energy performance audits and improvements
  - Maintenance, operator and management training

**Repair / Upgrades**
- Repair to OEM standards
- Hydraulic re-rates to operate pumps at the customer’s required setting
- Engineered drop-in replacements
- Scheduled maintenance and plant shutdowns
- Field service
- Upgrade pumps to the latest API standard editions
ITT PRO Services

Design & Sourcing
PPS

Inventory Optimization
PPS, Parts (Goulds Pumps and ProCast)

Operation
PPS, PumpSmart, ProSmart

Repair / Upgrades
PRO Services, Parts (Goulds Pumps and ProCast)

Total Cost of Ownership
Wherever you are, we’re there too.