

**hardy spicer**

• HOSE • FITTINGS • DRIVESHAFTS



# Mining & Earth Moving

Hose, Fittings & Driveshafts

[hardyspicer.com.au](http://hardyspicer.com.au)



**For over 70 years, Hardy Spicer has built a reputation as a respected OEM & Aftermarket supplier of Driveshafts, Universal Joints, Hydraulic, and Industrial Hose and Fittings.**

**Today Hardy Spicer supports the Mining and Earthmoving Industry with 14 Workshops and Branches across Australia, and a fully equipped driveshaft workshop in Kalimantan, Indonesia.**

Hardy Spicer is Australia's Premier distributor of the Gates Connected range of integrated hydraulic hose and fittings products.

Gates hoses are engineered and tested to be used as a fully matched system to ensure uncompromising safety of your workers and operators with the highest level of reliability.

A Gates hose assembly supplied by Hardy Spicer simply WILL NOT LEAK. We back this up with a 100% LEAK FREE GUARANTEE!\*

Our service centres are fully equipped to overhaul or manufacture new driveshafts to suit a range of fixed and mobile plant in the mining and earthmoving industry, including Haul trucks, Prime movers, Dozers, Loaders, and Light vehicles. We can supply direct OEM replacement driveshafts and universal joints, as well as a number of heavy-duty driveshaft options to extend the service life of your components.

#### **ACCREDITATIONS**

The Management System of Hardy Spicer has been approved by LRQA to the following standards: ISO 9001:2015

Hardy Spicer forms part of Motion Asia Pacific's business portfolio that contains some of Australia's most trusted and celebrated industrial brands.

Our collective industry knowledge and expertise span over 180 locations, 1800 employees across Australia, New Zealand and South East Asia. Our purpose is keeping our customer's plant and equipment operating in an efficient and sustainable way.

Acquired by Genuine Parts Company in July 2019, Motion Asia Pacific unites with Motion Industries US as part of the Industrial Parts Group.

\*Subject to our standard terms and conditions

#### **OEM Partsfinder**

Hardy Spicer's OEM Partsfinder is an innovative web-based software system which is used for creating graphical parts catalogues to easily find the right part, first time, every time. Hardy Spicer has an extensive catalogue of over 100,000 cross references to OEM Driveshafts, Universal Joints, and Hydraulic hoses to make ordering OEM replacement parts for our customers equipment as easy as possible.

Our extensive parts library covers a range of equipment model, including:

- Caterpillar
- Sandvik
- Komatsu
- Toyota
- Volvo
- Hitachi
- Iveco





## Gates Hydraulic Hose

### High Pressure MultiSpiral Hose and Fittings

Gates MultiSpiral hose and Global Spiral fittings are designed to provide maximum flexibility and performance in a range of high-pressure hydraulic applications, while simplifying hose selection, installation and assembly. Gates Multispiral hose features a bend radius up to one-third of SAE Specification allowing for easy routing and requiring fewer bent tube fittings. The matched assemblies are tested to 1,000,000 impulse cycles to provide industry leading life.



### Wire braided Hose and Fittings

The range of Gates wire braided hose offered by Hardy Spicer is ideal for high and medium pressure petroleum, water-based, and general industrial fluid applications. The one or two braid wire reinforcement technology gives these hoses a high resistance to kinking, excellent tensile strength, and a tighter bend radius, and works in conjunction with Gates innovative Megacrimp® fittings to provide leak a free solution.



The gates Megacrimp® fittings patented construction incorporates the “C” insert which ensures the hose fitting stays round even after crimping, eliminating catastrophic hose failure and weeping. The Megacrimp® one-piece fitting suits **ALL** Gates braided rubber and thermoplastic hose, dramatically simplifying inventory management.

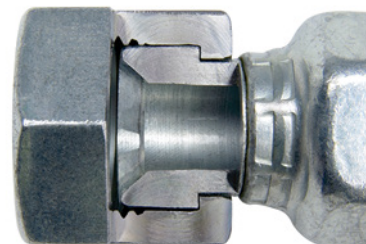
### Full-Torque Nut™ Technology

One of the most common causes of hydraulic leaks is a cracked fitting nut or seat due to over-torque.

Gates has engineered a solution – Full-Torque Nut™ technology which is standard on all MegaCrimp® and GlobalSpiral™ fittings.

Full-Torque Nut fittings are stronger and more durable than traditional staked-nut fittings.

All Gates fittings are plated with TuffCoat plating that provides 400% better corrosion resistance than the ISO standard.



### MDG41 Compliant Hose

MDG41 (Mechanical Design Guideline) Guideline for Fluid Power System Safety at Mines has been compiled to assist in formulating a management system approach for the safe use of fluid power systems in mines. It should be used by designers, manufacturers, purchasers, owners, operators, site contractors and Government Industry Bodies.

Hardy Spicer is the Premier National distributor of the full range of Gates Connected products which means the Gates hose is matched with the Gates fittings resulting in an assembly that is compliant with the MDG41 Guidelines set out by the NSW Department of Primary



### Gates Safe Hydraulics

Abuse, misapplication, and improper plumbing are the three most common causes of hydraulic hose failure. All three are dangerous and can lead to premature hose failure or blowout—especially in harsh environments like drilling, mining and earthmoving.

Gates created Safe Hydraulics™ —A preventive maintenance and safety training in hydraulic hose assemblies.

Hardy Spicer have experienced hydraulic specialists on our team who are accredited by Gates to deliver Safe Hydraulics™ training to your employees, to ensure hydraulic hose assemblies on your site are made correctly and safely.



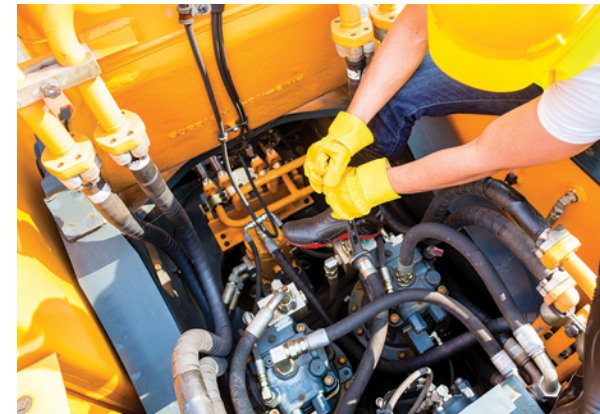
## OEM Hose Assemblies

### OEM Hose Assemblies

Hardy Spicer's OEM Partsfinder database has an extensive database of OEM hose interchange information that allows the prompt manufacture and supply of hose assemblies as required to eliminate downtime. Hardy Spicer has over 100,000 hoses listed in its catalogue and is growing all the time!

Hardy Spicer holds Comprehensive listings for:

- **CAT Underground Loaders and Trucks** - R1300, R1600, R1700, R2900
- **CAT Underground Trucks** - AD30, AD40, AD45, AD55
- **CAT Dump Trucks** - 777, 785, 789, 793, 797
- **CAT Loaders** - 980, 988, 992, 994
- **CAT Motor Graders** - 12H, 16H, 120H, 140H, 160H
- **CAT Articulating Trucks** - 730, 740, D250E, D400E
- **KOMATSU** - Over 7000 individual hose assemblies to suit all models.
- **HITACHI** Excavators Other models also available



## Industrial Hose

### Industrial Hose for Mining Applications

Hardy Spicer are equipped to handle any heavy-duty, high pressure and high abrasion resistant design covering both open-cut and underground mining applications. Hose is an integral part of most equipment in mining and it's imperative to have the best quality hose & fittings available to minimise any possible downtime. With this in mind, Hardy Spicer supply quality hose, fittings and ready built assemblies which cover areas such as:

- Dewatering
- Air Compression
- Drilling
- Firefighting
- Fuel Transfer
- Slurry Transfer
- Sandblasting
- Ventilation
- Dust Suppression & Control

## Hose & Fittings Services

### On Site Facilities

Hardy Spicer has facilities to enable our customers to manufacture factory standard hose assemblies on their own premises. These facilities can be established as part of existing workshop amenities or can be provided as a “stand alone” unit housed within a purpose built 10ft, 20ft or 40ft container.

A typical facility can include:

- Swage Press (Hose Crimper)
- 240-volt hose cut-off saw
- Steel workbench
- Plastic numbered parts boxes
- Steel mesh hose racking



### Mobile Hose Service

Hardy Spicer's 1800 HOSE VAN is a National Mobile Service provider and repair network for Gates hydraulic products, readily acknowledged as the industry's best for performance, reliability and innovation. With the Gates system, fully equipped vans and our highly skilled technicians, you can be assured we will get you going and keep you running and running.

With full national coverage 1800 HOSE VAN can provide emergency hydraulic hose repairs and services, 24 hours, 7 days per week, through our network of mobile service vehicles.





## Toyota Landcruiser

### Toyota 4WD Heavy Duty Driveline

#### Heavy Duty Driveshafts

Hardy Spicer has developed a range of heavy-duty Toyota driveshafts specifically for the mining industry. Hardy Spicer's heavy-duty components have continually proven themselves in the harshest environments over many years.

Features & Benefits of the Hardy Spicer Driveshafts:

- 15% larger spline than Toyota for greater strength.
- Hardycote® nylon coated spline which lasts 30% longer than steel splines.
- Rubber lip seal for superior protection, compared to the standard Toyota felt seal.
- For additional spline protection the slip assembly is covered by a rubber boot to keep the spline free from dirt, dust and water.
- Uses Hardy Spicer Heavy Duty Toyota universal joints which are interchangeable with standard Toyota joints, so joint replacement is as per normal.



### Heavy Duty Toyota Universal Joints

Hardy Spicer's range of Heavy-Duty Toyota Universal Joints have been developed to offer the greatest possible sealing protection against contaminants, and the best possible fitment to ensure that the universal joints achieve the maximum possible service life.

The features include:

- Teflon thrust pads
- Seal shrouds
- Triple lip seals



### Landcruiser Greaseable CV Joints

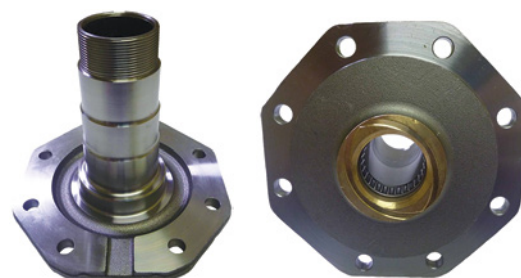
Hardy Spicer has a range of Heavy Duty Greaseable CV joints to suit Toyota Landcruisers. This range has been developed exclusively for Hardy Spicer in conjunction with one of Japan's leading OEM Quality CV Joint manufacturers.

The Hardy Spicer Greaseable CV has proven itself for over 10 years in some of the harshest underground mining environments in Australia and Asia.



### Toyota Landcruiser Spindles

Hardy Spicer has expanded its range to now include Spindles for Toyota Landcruisers. Spindles are a common replacement item when replacing Toyota Landcruiser CV Joints.



## Replacement Fans

### Fan Balancing & Reconditioning

Hardy Spicer's experienced personnel and state of the art balancing equipment have the capability to recondition, balance, and repair engine and cooling fans to ISO standards.

Hardy Spicer can balance all sorts of rotating industrial equipment, not just cooling fans. We can also balance all types of fans, rotors, Rolls, Pulleys, Drums, impellers, etc.



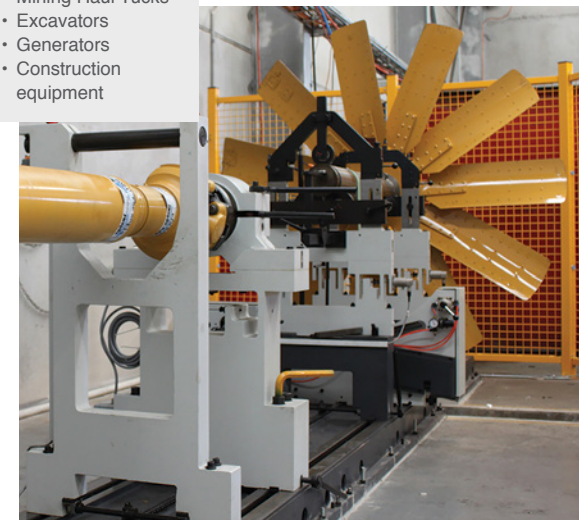
### New Replacement Fans

To complement Hardy Spicer's Fan reconditioning service, new replacement fans are now kept in stock for times when repairs are uneconomical or turnaround time is critical.

### Composite Fans

For some tough environments where noise, durability, and airflow requirements can prove challenging, Hardy Spicer can supply composite fans to suit a range of applications. Our Composite fans can be made with customised blade and mounting configurations to suit a range of applications and can provide several benefits over traditional metal fans, including reduced noise, reduced fuel consumption, higher speed rating, corrosion resistance, and temperature rating.

- Mining Haul Trucks
- Excavators
- Generators
- Construction equipment



## Driveshaft Services

### New OEM Replacement Driveshafts

Hardy Spicer keep in stock complete Driveshaft assemblies to suit common surface and underground Heavy Mining equipment. We have an extensive range to suit Caterpillar, Komatsu, Atlas Copco/Epiroc and Sandvik. Our extensive range of driveshafts are built to OEM specifications, using OEM parts, and come with the same warranty as OEM suppliers.

Hardy Spicer has cross references for 1000's of driveshafts OEM part numbers, so if the driveshaft you need is not on the shelf, we can build it to order in one of our specialist driveshaft workshops around Australia.



### Driveshaft Remanufacturing

As well as manufacturing new driveshafts, Hardy Spicer can also repair, modify, and remanufacture driveshafts for a range of Heavy and Light equipment.

Before any work is carried out, Hardy Spicer conducts a thorough inspection of the used driveshaft to determine if the driveshaft is safe and cost effective to be Remanufactured.

For suitable driveshafts, Hardy Spicer can remanufacture with brand new OEM components and restore driveshafts to brand new condition that will deliver the same service life as a new component.





## Locations

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### VISIT US ONLINE

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