



///iMOTION®

QUARRY

Capability Statement

Anytime.Anywhere.
Always Here.™



WHO WE ARE.

Motion delivers a world-class customer-first approach to everything we do. This has firmly established our business as the leader in the market, providing excellence and expertise in industrial products, solutions, and services.

For more than 100 years we have been a feature in the Australian industrial landscape giving customers unmatched products and service through an integrated network of branches, workshops, and service centres.

We have an ongoing commitment to invest in our people, facilities, IT, and systems to ensure we can continue to offer a broad ranging and premium level of engineering design, servicing, and turnkey projects to our customers across Australia.

We are committed and proud to keep our customers in motion, every day of the year.

“**WE KEEP
THE WORLD
MOVING**”



MORE EXPERTISE

Quarry operations rely heavily on efficient extraction, material handling, and processing equipment to ensure continuous productivity and safety. Proper selection and maintenance of hydraulic excavators, rock crushers, wheel loaders, dump trucks, and conveyor systems, aligned with production capacities, play a vital role in operational success.

Motion delivers a comprehensive range of products and expert services tailored to the demanding conditions and high utilisation rates of quarry environments. Our extensive network of part manufacturers, combined with our dedicated technical expertise and repair facilities, ensures we keep quarry equipment operating at peak performance.

MORE CHOICES

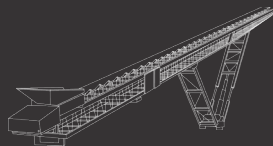
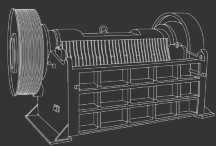
At Motion, we collaborate with leading suppliers to provide a comprehensive range of quality products tailored to the quarry industry's demanding requirements.

To meet these demands, it is essential to offer a truly multi-

national selection of products from the world's leading manufacturers. Motion consistently fulfills and surpasses these expectations through our strong partnerships with major global suppliers, including:



PRIMARY AREA

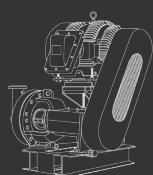


01 | Primary Crusher

- Accumulators
- Actuators
- Cooling Systems
- Couplings
- Desiccant Filter Breathers
- Electric Motors
- Filtration
- Fasteners
- Hydraulic Accessories
- Gearboxes
- Lubrication
- Lubrication Systems
- Pulleys
- Pumps
- Variable Speed Drives
- V-Belts
- Valves
- Wearing Compounds
- Hydraulic Hose and Connectors
- Hydraulic Power Packs
- Hydraulic Pumps
- Hydraulic Valves
- Hydraulic Cylinders
- Coolers/Heat Exchangers
- Mechanical Seals & Packings

02 | Belt Conveyor

- Belt Guards
- Belt Scrapers
- Couplings
- Conveyor Belt Repair
- Conveyor Drums
- Desiccant Filter Breathers
- Electric Motors
- Fasteners
- Gearboxes
- Molded Oil Bearing
- Motor Mount Tensioners
- Locking Assemblies
- Lubrication
- Lubrication Systems
- Pulleys
- Split Roller Bearing
- SRB Solid-Block House Unit
- Triple Lip Bearing
- Variable Speed Drives
- V-Belts
- Wearing Compounds
- Hydraulic Hose and Connectors
- Hydraulic Power Packs
- Hydraulic Pumps
- Hydraulic Motors
- Hydraulic Valves
- Coolers/Heat Exchangers
- Hydraulic Accessories
- Filtration

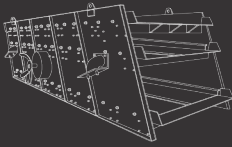


05 | Pumps

- Belt Guards
- Desiccant Filter Breathers
- Driveshafts
- Electric Motors
- Fasteners
- Molded Oil Bearing
- Lubrication
- Lubrication Systems
- Pulleys
- V-Belts
- Variable Speed Drives
- Wearing Compounds
- Hydraulic Hose and Connectors
- Hydraulic Power Packs
- Hydraulic Pumps
- Hydraulic Valves
- Hydraulic Cylinders
- Coolers/Heat Exchangers
- Hydraulic Accessories
- Filtration
- Mechanical Seals & Packings

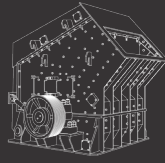
TERTIARY AREA

SECONDARY AREA



03 | Vibration Screen

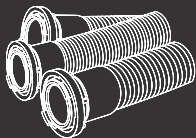
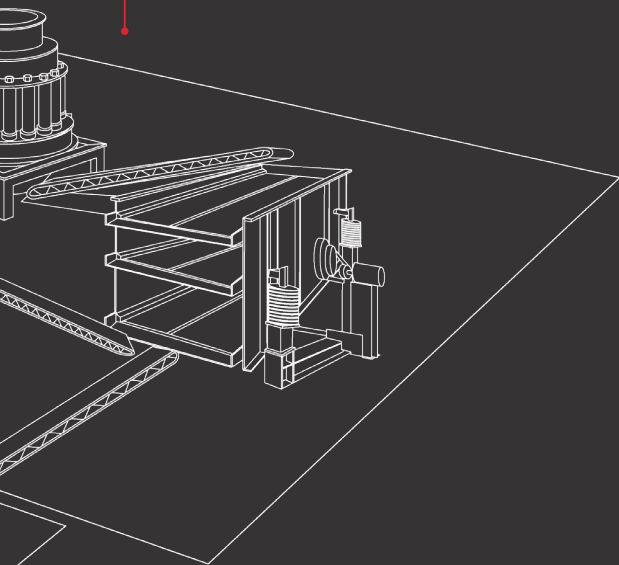
- Belt Guards
- Desiccant Filter Breathers
- Driveshafts
- Electric Motors
- Fasteners
- Motor Mount Tensioners
- Lubrication
- Lubrication Systems
- Variable Speed Drivers
- Pulleys
- T41D Vibrating Screen Bearings
- V-Belts
- Vibration Mounts
- Wearing Compounds



04 | Secondary Crusher

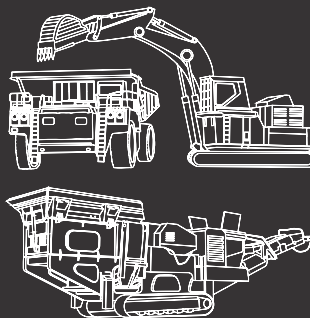
- Accumulators
- Actuators
- Belt Guards
- Cooling Systems
- Desiccant Filter Breathers
- Electric Motors
- Fasteners
- Filtration
- Hydraulic Accessories
- Lubrication
- Lubrication Systems
- Pulleys
- Pumps
- V-Belts
- Valves
- Variable Speed Drives
- Vibration Mounts
- Wearing Compounds
- Hydraulic Hose and Connectors
- Hydraulic Power Packs
- Hydraulic Pumps
- Hydraulic Valves
- Hydraulic Cylinders

QUARRY ROADMAP



06 | Water Management and Transfer

- Pit Pumps
- Main Dam Water Transfer
- Suction hose
- Transfer Hose
- Lay Flat hose
- Composite hose
- Mining Pumps
- Water Trucks
- Mechanical Seals & Packings



07 | Mobile Equipment

- Hydraulic Hose & Connectors
- Hydraulic Fittings
- Hydraulic Control
- Seals
- Bearings
- Bushes
- Driveshafts
- Hydraulic Pumps
- Hydraulic Motors
- Hydraulic Valves
- Hydraulic Cylinders
- Coolers/Heat Exchangers
- Hydraulic Accessories
- Filtration



08 | Refuelling & Storage

- Delivery Hose
- Valves
- Nozzles
- Fittings
- Camlocks

PROBLEM SOLVERS



TIMKEN BELTS

Match-free quality belts, Timken Super II V-Belts are known as the problem solver. The Super II belt is designed for the toughest heavy duty applications.

Leading Questions

- What problems are you experiencing with your belts?
- Have you considered reducing your long term belt cost?
- What brands are you using?
- What belt problem would you like to improve?



HYDAC CONDITION MONITORING

The CMExpert Hydraulic fluid condition monitoring unit was designed to provide a complete package solution for hydraulic and lubrication system monitoring.

Typical default Monitored Parameters include particle count, absolute conductivity value, change in electrical conductivity, absolute dielectric constant value, relative change in dielectric constant value, saturation level, and temperature.

Leading Questions

- Have you experienced downtime operation due to fluid contamination?
- Have you considered 24/7 monitoring?



SCHAEFFLER T41 VIBRATING SCREEN BEARING

The bearing that's designed for shaker screens. Schaeffler T41 Spherical Roller bearing extends bearing life with a special coating on the bore.

The bearings operate 70% longer than 'normal' bearings in the same installation position.

Leading Questions

- What brand of shaker screen bearings do you use?
- Is extended bearing life important in this quarry?



SOLID GREASE BEARINGS

Contaminated applications, areas where greasing is not possible, wet and flooded applications.

Leading Questions

- Contamination is the major contributor to bearing failures in quarrying?
- What steps are you undertaking to address or prevent this problem?
- Is over or under lubrication an issue?
- Are these due to access issues or frequency or skill level?



NTN SEALED SPHERICAL ROLLER BEARINGS

With seals integral with the bearing, and designed to accept misalignment, provides the most effective contaminant exclusion solution by supplementing existing housing sealing devices. Replaces conventional 222 series Spherical Roller bearings, comes pre-lubricated, and can be mounted in standard SNG type plummer blocks.



GATES PREDATOR V-BELTS

High quality belts, Gates Predator® V-belts are unique in their extreme robustness and high load carrying capability, they are unrivaled.

Leading Questions

- What problems are you experiencing with your belts?
- Have you considered reducing your long term belt cost?
- What brands are you using?
- What belt problem would you like to improve?



TIMKEN SPHERICAL ROLLER BEARING SOLID-BLOCK HOUSED UNITS

Excellent in high contamination applications such as conveyor tail pulleys, subject to belt spillage and burial. The Timken Spherical Roller Bearing Solid-Block Housed Units are the easiest on/off bearing on the market.



TIMKEN QUICK-FLEX COUPLINGS

Quick-Flex couplings are direct replacements for virtually all comparably sized couplings in use. Requiring no lubrication and easy to install and maintain.

Leading Questions

- Coupling alignment and access can be a major issue, are you aware of the Timken Quick-Flex coupling?
- Do you currently laser align your couplings?
- Are they the latest easy fit product?



TECO MAX E3 MINING MOTOR

Built for the Mining and Quarrying market.

The ultimate machine, with the features and performance desired by the world's top mining enterprises. Mining Spec IP66 protects against the elements. High efficiency reduces running costs.

Leading Questions

- Do you use Mining Spec IP66 motors?



BELT GUARDS

Easy Fitting – Light Weight – No Corrosion custom made to Australian standards for pumps, motors, gearboxes, screens, conveyors.

Leading Questions

- Do you have easy fit corrosion and vibration resistant belt and motor guards?

Service & Engineering

Condition Based Assessment

- Site Surveys
- Condition Monitoring
- Predictive Maintenance
- Return Part Analysis
- Load Simulation and Finite Element Analysis
- Fall Mode Effect Analysis

Process Improvements

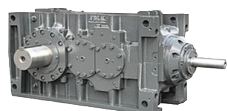
- Design and Drafting
- Product Application Engineering
- Reverse Engineering
- Installation and Commissioning
- Corrective Services
- Special Purpose Manufacture
- Component Standardisation
- Asset Care and Rotables



INDUSTRIAL GEAR UNITS (IGU'S)



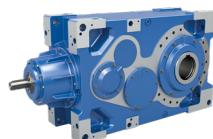
Bonfiglioli



FALK V-CLASS™

When uptime matters, trust the Falk V-Class™

- Power range 11 - 7457kW.
- Torque range up to 341,000Nm.
- Ratio ranges parallel shaft - double reduction 5.0 - 28.0.
- Triple reduction ratio 28.0 - 160.0.
- Right angle - double reduction 6.3 - 12.5.
- Triple reduction ratio 12.5 - 124.0.
- Available with hollow, taper bush or solid output shaft.



NORD INDUSTRIAL GEAR UNITS

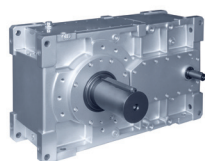
- All bearing points and sealing surfaces are machined in a single operation
- No separating joints in the housing, no sealing surfaces subject to torque
- High-precision axis alignment for quiet running
- Long life, low maintenance
- Gear ratio range 5.54 to 400:1 with the same foot dimensions
- Parallel axis and right-angled gear units

Sizes 9

kW 2.2 - 3,000

Nm 25/30/40/50/75/ 110/150/190/250

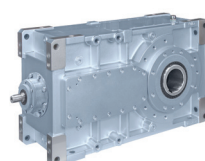
i 5.54:1 - 1,600.00:1



BONFIGLIOLI HDP - PARALLEL SHAFT GEARBOX

Torque ratings consistently high, gear ratios in close progression, numerous mounting options along with compact dimensions will ease the engineering of any application.

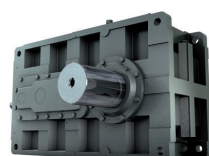
- Torque range: 5000 - 210000Nm.
- Gear ratios: 7:1 - 500.
- Mounting: foot, flange, shaft mounting.



BONFIGLIOLI HDO - BEVEL HELICAL GEAR REDUCER

The new bevel helical gear reducer series optimises superior performance with compact dimensions and flexibility.

- Torque range: 28200 - 210000Nm.
- Gear ratios: 5.6 - 400.
- Mounting: foot, flange & shaft mounting.



HEAVY DUTY GEAR REDUCERS

Heavy duty gear reducers with split gear case, incorporating three stage high integrity sealing designed for easy maintenance.

- Power ratings range up to 1,500 kw
- Torque range up to 162,00Nm.
- Available with gear ratios 6.3:1 in two stages, 18:1 to 80:1 in three stages, 71:1 to 315:1 in four stages and up to 70,000:1 in combined stages.



DODGE MAGNAGEAR

The MagnaGear XTR reducer's simple, power-dense design offers superior torque ratings and assures increased reliability in a more compact, economical, and heavy-duty package. MagnaGear XTR is manufactured to provide maximum reliability in tough applications and to improve your total cost of ownership.

SKF RANGE



Motion are an authorised Distributor of SKF. This partnership unlocks access to genuine SKF products and systems, backed by cutting-edge innovation and decades of engineering excellence.



BEARINGS, HOUSINGS & UNITS

Engineered for reliability, performance, and extended service life across demanding applications. SKF's range has you covered.

- Rolling bearings
- Mounted bearings and housings
- Super-precision bearings
- Slewing bearings, and more.



SEALING SOLUTIONS

Superior protection to keep contaminants out and performance in – including SKF's renowned CR Seals. The industrial seal range includes:

- Power transmission seals
- Hydraulic seals
- Fluid handling seals
- Machined seals



LUBRICATION PRODUCTS & SYSTEMS

Optimise uptime and reduce maintenance with SKF's advanced lubrication technology including:

- Lubricants
- Manual lubrication tools
- Lubricators
- Automatic lubrication systems
- Lubrication system components



MAINTENANCE & INSTALLATION TOOLS

Precision tools designed to improve installation, alignment, and overall equipment efficiency.

- Hydraulic tools for mounting and dismounting
- Mechanical tools for mounting and dismounting
- Heaters for mounting and dismounting
- Alignment tools



CONDITION MONITORING & PREDICTIVE MAINTENANCE

Detect issues early and make informed decisions with industry-leading condition monitoring tools.

The range includes:

- Portable condition monitoring
- Continuous monitoring
- Machine Protection systems



POWER TRANSMISSION RANGE

Keep your machines running smoothly and your operations running profitably with SKF's range of power transmission products including:

- Belts
- Pulleys
- Chains
- Sprockets
- Bushings and hubs
- Couplings
- Bolts and tightening systems

GEARED MOTORS, GEARBOXES & SHAFT COUPLING



DODGE RAPTOR FLEXIBLE COUPLING

- Natural rubber elastomeric element
- Patented WingLock™ element design
- Longer element life
- Improved vibration and shock damping
- Minimised loads on connected equipment
- Industry leading misalignment capabilities
- Easiest installation of any tire coupling
- Industry leading 5-year warranty
- Close-coupled and spacer designs
- 15 sizes (E2-E140)
- Interchangeable with competitive split-tire elastomeric couplings



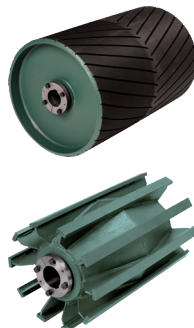
DODGE TAIL (TORQUE ARM) REDUCER

- Belt driven gear reducer launched in 1949
- Dodge Torque-Arm II introduced in 2000
- Heavy duty tapered roller bearings to withstand shock loads
- Harsh duty seals provide wear resistance to extend operating life
- Patented twin-tapered bushings for easy installation and removal
- Screw conveyor packages available
- Multiple breather accessories to extend operating life
- 12 gear reducer case sizes up to 300kW
- ATEX certified



DODGE MTA (MOTORISED TORQUE ARM) REDUCER

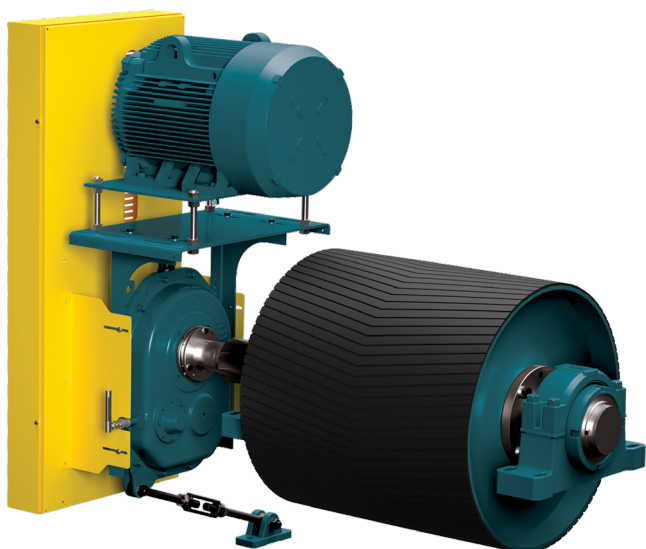
- Heavy-duty right angle gear reducer
- Compact solution for tight spaces
- Tapered roller bearings to withstand shock load applications
- Premium heavy duty seals to protect internal components
- 3 piece coupling design to easily assembly and disassemble motor from gear reducer
- Patented twin-tapered bushings for easy installation and removal
- Screw conveyor packages available
- Multiple breather accessories to extend operating life
- Available in 7 case sizes up to 75 kW
- ATEX certified



DODGE HEAVY DUTY DRUM & WING PULLEYS

Pulleys can be provided with high quality lagging designed to ensure maximum belt and pulley life in tough applications.

- XT hub style bushings with 9.5 degree taper angle for easy- on, easy-off
- High strength submerged arc or gas-metal arc welds and Vulcanised SBR lagging
- Cold formed crowned not



DODGE COMPLETE PACKAGE

- Belt Guarding – Allows for multiple height adjustments, featuring a lift off cover construction.
- Motor Mount – Provides stable mounting between motor & reducer to minimise overhung loads & withstands heavy shock loading.
- Twin Taper Bushing – Ease on – easy off assembly providing reliable support on both sides of the reducer. Available with short shaft bushings when replacing single bush reducers.
- Backstop - Safety feature that prevents reverse rotation when the system stops. Compatible with standard EP lubricants without the need for external lubricant.
- Tie Rod Kit – Provides a safety link between the reducer and the structure.
- Hydra-lock Breather – Especially effective in humid or dusty environments. This optional breather's check valve system prevents the effects of ambient conditions and improves maintenance practices.
- Screw Conveyor Package – DODGE's TAIL & MTA units utilise a CEMA screw conveyor adapter. It is available with multiple diameter driveshafts to match CEMS screw dimensions.

SHAFT COUPLINGS, BACKSTOPS & GUARDS



FALK STEELFLEX® GRID COUPLINGS

General purpose couplings requiring no periodic maintenance when lubricated with FALK supplied Long Term Grease (LTG) at installation.

- Torque ratings up to 932,000Nm.
- 5 year warranty.



REX® THOMAS® DISC COUPLINGS

A practical alternative to lubricated and elastomer couplings.

- No lubrication.
- No wearing parts.
- No backlash - torsionally rigid.
- Comprehensive range of types and sizes.
- Torque ratings up to 320,920Nm.



REX® VIVA™

The Rex Viva coupling is a unique general purpose coupling ideal for use in industrial applications.

- No lubrication.
- No wearing parts.
- Polyurethane membrane.
- Torsionally flexible.
- Adjustable to meet ISO, DIN and ANSI shaft spacing specifications to 300mm BSE.
- Taper bush hub to shaft fitting or straight bore available.
- Torque ratings up to 6,270Nm.



REXNORD OMEGA ES

- Split-in-half flex element for simplified assembly.
- Torsionally soft flex element cushions shock loads.
- Interchangeable hubs allow for reduced inventory.
- No lubrication – no wearing parts.
- Adjustable to meet ISO, DIN & ANSI shaft spacing.
- Torque ratings to 4,460Nm.
- Available with taper bush hub to shaft fitting or straight bore.



FALK LIFELIGN® GEAR COUPLINGS

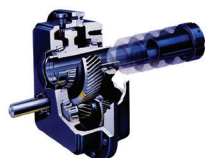
The low-cost, longer lasting answer to both small and large capacity coupling requirements.

- Triple-crowned for maximum capacity.
- Larger bores and higher power ratings.
- 20 types and 28 sizes.
- Torque ratings up to 8,190,000Nm.



FALK WRAPFLEX® ELASTOMER COUPLINGS

- Non-lubricated, simple to install.
- Maximum operational flexibility.
- Effectively dampens shock loads.
- Easily accommodates misalignment.
- Available in 3 types and 9 sizes.
- Torque ratings up to 15,800Nm.



FALK QUADRIE®

Helical Shaft-Mounted Drives “Easiest on, easiest off...” guaranteed” TA Taper bushing design ensures ease of drive removal and prevents damage to both drive and/or driven equipment.

- Torque ratings up to 36,547Nm.
- Power ratings up to 224kW.
- 3 year heavy duty warranty.



FALK ORANGE PEEL GUARDS

The practical protective coupling guard.

- Meets OSHA, ASME and ANSI job-site safety requirements.
- “Trim and Fit” to suit your coupling profile.
- Polyethylene and metal types.
- Available in 6 types - MCG, CCG, CFCG, SCG, VCG and LSG.
- Low initial cost, low lifetime cost.
- 3 year heavy duty warranty.



FALK TRU-HOLD® BACKSTOPS

For virtually any applications where materials need to be moved up steep grades.

- Single, tandem or multiple units.
- Torque ratings from 4,068Nm up to 1,012,847Nm.
- Over-running speeds from 1 to 2,800rpm.

ELECTRIC MOTORS

TECO



MAX-ALLOY

Light Weight. Economical cost, reliable, functional and versatile.

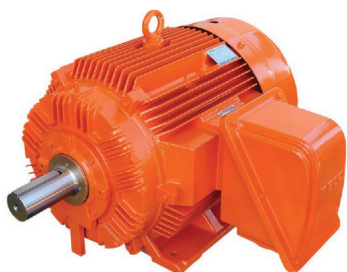
- 415 Volt 3-Phase 50 Hz
- Aluminium frame motor
- Available in frame sizes D56-D160, 0.18kW to 18.5kW
- Multi-mount construction 0.75kW and larger
- Squirrel cage rotor
- MEPS efficiency
- Top mount terminal box
- Mutlimount 0.75kW and larger
- Class F insulation
- Protection to IP55
- Teal Green in colour



TECO MAX E3 PREMIUM SEVERE DUTY

The heavy duty machine, superior features and performance for all industries.

- 415 Volt 3-Phase 50 Hz
- TECO renowned grease relief system
- Suitable for 55°C ambient at rated output
- Cast Iron frame motor
- Available in frame sizes D71-D355, 0.18kW to 185kW
- Integral foot design with side mount terminal box
- Squirrel cage rotor
- High efficiency
- Side mounted terminal box
- Class F insulation
- Service factor 1.15
- Protection to IP66
- TECO blue in colour
- Also available as Exe (Zone 1 gases) and ExnA (Zone 22 Gases)



TECO MAX E3 MINING

The ultimate machine, with the features and performance desired by the worlds top mining enterprises.

- 415 Volt 3-Phase 50 Hz
- TECO renowned grease relief system
- Suitable for 60°C ambient at rated output
- High efficiency
- Cast iron frame motor
- Available in frame sizes D71-D355, 0.18kW to 450kW
- Integral foot design with side mount terminal box
- Squirrel cage rotor
- High efficiency
- Side mounted terminal box
- Class H insulation
- Service factor 1.2
- Protection to IP66
- X15 orange pint finish
- Also available as Exe (Zone 1 gases), ExnA (Zone 22 gases) and ExtD Zone 21 & 22 (dusts)



TECO TE3

Three phase induction motors are a range of high quality, totally enclosed fan cooled.

- (TEFC), Squirrel Cage Induction motors, designed, manufactured and tested to the latest
- International and Australian Standards (eff3)
- From 0.75kW to 315kW with either IP55 or IP66 protection
- Cast Iron frame with TOP Mount terminal Box



DRIVESHAFT & COMPONENTS

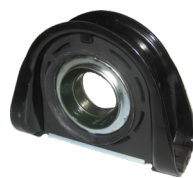


COMPLETE DRIVESHAFTS

The Hardy Spicer range of complete driveshafts are manufactured and balanced, ready for various applications in automotive, mining and transport industries.

- Complete automotive driveshafts for most makes and models including; Ford, Holden, Toyota, Nissan, Honda, Mazda, Audi, BMW, Mercedes Benz, Volvo, VW and many more
- OEM quality driveshaft assemblies for mining vehicles including Caterpillar, Komatsu, Volvo Construction Equipment, Sandvik, Atlas Copco, Hyundai and many more
- On-Highway transport driveshafts for Volvo, Mack, Iveco, Mercedes, Scania and Isuzu. Other makes also available

Custom-built shaft, complete driveshafts can be manufactured to OEM specifications to suit your needs.



CENTRE SUPPORT BEARINGS

The Hardy Spicer range of driveshaft centre support bearings is continuously expanding. Industries include automotive, 4WD, transport, industrial and mining, all with an extensive listing of makes and models.

- Specific make and model applications
- Fluted and solid rubber cushions

Correct fitment for your application available.



UNIVERSAL JOINTS

The Hardy Spicer's performance range of universal joints are designed to meet today's tough conditions in all industries and markets.

- Precision ground caps
- Hardened alloy steel for long life durability
- Longer needle rollers for better load distribution
- Triple lips seals to stop water and contaminants
- Teflon thrust pads to prevent metal on metal contact
- Re-lube series for heavy duty service
- Maintenance free option with solid cross for extra strength



INDUSTRIAL DRIVESHAFTS

The Hardy Spicer range of industrial heavy duty driveshafts and parts are suitable for the steel, construction, railway, marine and paper industries.

- General industrial applications
- Custom designs for special applications
- Torque range from 195 Nm to 16,300,000 Nm
- Flange sizes 58mm to 1,200 mm



PROPELLER SHAFT CV JOINTS AND COUPLINGS

Main driveshafts in automotive and 4WDs operate at higher speeds than front wheel drive CV shafts. Hardy Spicer has a continuously expanding range of CV Joints, boots and Flexible couplings to suit high speed propeller shaft applications.

- Flexible disc drive couplings
- Propeller shaft CV Joints
- Weld in propeller shaft CV Joint stub ends
- High speed boot kits
- Applications to suit Automotive, 4WD and Industrial



DRIVESHAFT COMPONENTS

Our Service Centres specialise in driveshaft manufacture, repair and balancing. Service Centres carry a wide variety of driveshaft components to manufacture or repair any driveshaft.

- Universal joints
- Centre support bearings
- Flange yokes
- Slip yokes and spline sets
- Weld yokes
- Transmission and Pinion yokes and flanges
- Components to suit automotive, 4WD, agricultural, industrial, mining, earth moving, transport & marine industries



HYDRAULIC HOSE & FITTINGS

Motion offer an extensive range of hydraulic hose, fittings, adaptors, and accessories to provide a complete solution for our customers. Our extensive product range enables us to deliver safe, efficient, and sustainable solutions to our customers whilst ensuring safety is of the highest priority with everything we do.

Through our extensive offering we enhance our product capability through the utilisation of the Gates Hydraulic Hose and Fittings range. This is further enhanced through Gates product portfolio which includes an extensive range of CAT and Komatsu style flanges, Komatsu style hose ends and a broad range of OE preferred products.

Through the utilisation of the above product offering coupled with the GATES OEM matched hydraulic hose range we can offer our customers a complete hose solution to meet the rigorous demands that Heavy Mobile Equipment are subject to.



GATES HOSE

Gates hydraulic hose and fittings products offer a combination of technology, performance, and flexibility whilst both meeting and exceeding industry standards in ensuring a complete solution for our customers across all industries.

The Gates MegasyS range offers an integrated solution with spiral-wire, wire-braid and Xpiral hose. This range is further complimented by Gates OEM matched fitting products offering peak performance and flexibility.

The MegaSys® hose range includes:

- MegaSys® Spiral-Wire Constant Pressure Hoses – EFG3K, EFG4K, EFG5K, EFG6K and G8K Hoses
- MegaSys® Wire-Braid Constant Pressure Hoses – M3K, M4K, M5K and M6K Hoses
- MegaSys® X series Hose Range – MXG 5K, MXG4K and MXT MXT, available with Xtratuff plus Cove

MegaSys® Features & Benefits

- Simplifies hose selection with constant pressure ratings
- Bends up to one-third SAE bend radius specifications
- Saves overall hose assembly length
- Facilitates easier routing in tight applications
- Requires fewer bent tube fittings
- Eases installation with higher flexibility
- Lowers inventory requirements
- Extends life in bending, flexing applications
- Available with abrasion-resistant XtraTuff™ or MegaTuff® covers
- Reduces costs by as much as 64 percent

GATES FITTINGS



MegaCrimp Fittings Features & Benefits

- Simplify your inventory requirements with Gates 1-piece MegaCrimp fittings, designed with a "C" insert allowing usage with different hose constructions and wall thicknesses. The C-insert ensures an even distribution of crimping forces to form a concentric seal.
- MegaCrimp fittings are fully qualified for SAE, EN, and ISO performance.

GlobalSpiral Fittings Features & Benefits

Specially engineered to provide superior performance for extreme high-pressure, high-impulse spiral-wire hydraulic hose applications. They can be used with all Gates MegaSys four and six-wire hoses up to 8,000 psi.

- The innovative, two-piece, no-skive design reduces assembly time, labour, fabrication errors and contamination of the fluid power system.
- The work area stays clean, and the odours and dust normally created by skiving are eliminated.
- The two-piece design reduces parts inventory by 30% because only one stem is required for all spiral-wire hose types.
- All Gates fittings are plated with TuffCoat plating that provides 400% better corrosion resistance than the ISO standard.

HOSE PROTECTION



Motion offers an extensive range of hose protection products including:

- Diffusions Abrasion Hose Sleeve
- Spiral Wrap
- Fire Sleeve
- Wire Armour

ADAPTORS



Motion stocks an extensive range of Hydraulic Adaptors to meet almost every possible need.

For OEM's and specialised machine builders, our extensive stocks mean we can meet almost any demand from single items to complex hose and adaptor kits.

With national coverage and stock holding we are well placed to help our customers with adaptor needs, from basic plated steel threaded reducers to stainless steel joiners and specialised flange adaptors.

ACCESSORIES



Motion offers an extensive range of accessories to complement our hydraulic hose and fittings range.

Our accessory range includes:

- Tube and Hose Clamps
- Hydraulic Valves
- Live Swivels
- Quick Release Couplings
- Test Point Fittings and Adaptors
- Pressure Gauges
- Push On and Field Attachable Fittings

DEWATERING & SUCTION HOSE

Motion Fluid Power Solutions is a trusted industry leader in providing high-quality fluid power products, systems, and technical services across Australia. With decades of experience in hydraulics, pneumatics, and industrial hose technologies, we deliver tailored solutions that enhance performance, reliability, and safety across a wide range of industries including mining, agriculture, construction, manufacturing, and transport.

We pride ourselves on our expert team, strong supplier partnerships, and a national footprint that ensures rapid response and support wherever our customers operate.

Core Capabilities

- Hydraulic System Design & Engineering Customised hydraulic system development for fixed and mobile applications.
- Industrial Hose & Fittings Supply Extensive range of high-quality hoses, couplings, and assemblies for fluid transfer.
- Pneumatic Systems & Components Innovative pneumatic solutions including actuators, valves, and air prep units.
- Onsite Services & Emergency Repairs 24/7 breakdown support, onsite hose repair, preventative maintenance, and fluid analysis.
- Workshop Fabrication & Testing In-house fabrication, pressure testing, and quality control of hose assemblies and hydraulic components.
- OEM & Aftermarket Parts Supply Fast access to leading global brands and hard-to-source components.

INDUSTRIAL HOSE FOR DEWATERING

We stock an extensive range of layflat & suction hose, pre assembled and ready to go for urgent jobs that require immediate deployment.

Layflat Hose



Suction Hose



FITTINGS AND ACCESSORIES

BAUER TYPE B COUPLINGS

Bauer Type B Couplings are a cost effective, quick connect/disconnect system that takes 3 simple movements to engage and lock the coupling, compressing the sealing ring to ensure a leak-proof joint under suction or pressure at 150 psi (10 Bar).

Applications include temporary and emergency water supply lines, sewerage and sludge by-pass lines and suction and delivery lines for site dewatering in industries including mining, tunneling, waste removal and general civil works.

Size (Inches)	Zinc Alloy Coupling Parts			
	Male Ball x Hosetail	Female x Hosetail (inc Seal)	Closure Rings	Replacement Seals
2	21-510-032	21-520-032	21-530-032	21-540-032
3	21-510-048	21-520-048	21-530-048	21-540-048
4	21-510-064	21-520-064	21-530-064	21-540-064
5	21-510-080	21-520-080	21-530-080	21-540-080
6	21-510-096	21-520-096	21-530-096	21-540-096
8	21-510-128	21-520-128	21-530-128	21-540-128
10	21-510-160	21-520-160	21-530-160	21-540-160
12	21-510-192	21-520-192	21-530-192	21-540-192






BAUER TYPE B COUPLINGS

Bauer couplings are quick action fittings with four parts; male ball, closure ring, female socket and sealing ring.

Stainless steel made to order also available on request.

Size (Inches)	Zinc Alloy Coupling Parts	
	Male Ball x Hosetail	Female x Hosetail (inc Seal)
2	21-550-032*	21-560-032*
3	21-550-048*	21-560-048*
4	21-550-064	21-560-064
6	21-550-096	21-560-096
8	21-550-128	21-560-128
10	21-550-160	21-560-160
12	21-550-192	21-560-192




BAUER TYPE B COUPLINGS

Bauer couplings are quick action fittings with four parts; male ball, closure ring, female socket and sealing ring.

Stainless steel made to order also available on request.

*Table D/E

FLUID CONTROL SYSTEMS

Motion offers a comprehensive range of hydraulic and pneumatic components designed to deliver reliable performance in demanding environments such as

quarries. Our product range includes heavy-duty filtration, hydraulic tools, valves, coolers, motors, and accumulators.

OIL/AIR COOLING



Motion stocks a wide range of oil/air cooling products featuring low air-side clogging and excellent vibration absorption. Our solutions are optimised for heavy mobile equipment, ensuring top performance even in extreme environmental conditions.

- Oil air coolers
- Butterfly valves
- Vibration absorbers

DIRECTIONAL CONTROL VALVES



Motion offers an extensive range of modular directional control valves designed for easy assembly and customisation to suit each individual application. Our range covers everything from basic circuits to complex hydraulic systems, effectively meeting a wide variety of hydraulic requirements.

- CETOP valves combined with modular subplates provide flexible and customisable hydraulic configurations
- Proportional valves offer precise flow control with modular design and support for high flow rates
- Monoblock valves deliver compact and efficient hydraulic control within a single, integrated unit
- Sectional valves facilitate modular design and allow easy system expansion for enhanced scalability

These valves deliver reliable performance in heavy-duty applications.

ORBITAL MOTORS



Part of our product line includes M+S orbital motors, which deliver high quality and reliable performance for heavy mobile applications.

Our selection includes:

- Gerotor motors
- Geroller motors
- Displacement valve motors
- Motor brakes
- Steering orbital motors
- Planetary wheel drives

INLINE VALVES



Motion carries an extensive range of inline valves designed to suit a wide variety of applications. Our selection includes:

- Counterbalance valves
- Check valves
- Pilot check valves
- Hose burst valves
- Flow control valves
- Priority flow control valves
- Cartridge flow dividers
- Relief valves
- Shuttle valves And more

We also work closely with customers to develop custom valves and manifolds tailored to their specific needs.

FILTRATION SOLUTIONS



- Designed for high temperatures, pressures, and contaminants typical in quarries.
- Available in standard and custom systems for crushers, heavy mobile equipment, water systems, and critical processes.
- Filter types include hydraulic, fuel, air, water, and lubrication filters.
- Focus on optimal fluid handling, particle removal, and equipment protection to extend machinery life.

ENERPAC HYDRAULIC TOOLS



- Robust tools engineered for quarry operations, emphasising durability and precision.
- Product range includes hydraulic cylinders, lifting systems, pumps, power units, torque tools, bolting, cutting, and pressing tools.
- Built to endure dust, vibration, and heavy loads to improve productivity, safety, and equipment longevity.

SMC PNEUMATIC PRODUCTS



- Wide range of pneumatic cylinders, valves, actuators, air preparation equipment, vacuum components, sensors, controllers, tubes, and fittings.
- Designed for reliability and efficiency under harsh quarry conditions.
- Support enhanced automation, process control, and reduced downtime.

ACCUMULATORS



- Motion offers a range of accumulators designed and built to AS 1210 (pressure vessels) and compliant with AS/NZS 3788 standards for in-service operation and inspection.
- Accumulators efficiently store hydraulic energy and absorb shock loads, helping to stabilise hydraulic systems in harsh quarry environments with heavy machinery impacts.

ADDITIONAL SERVICES

TRAINING AND SAFETY



Motion also offer the Gates Safe Hydraulic Program, developed by Gates as a preventative maintenance and safety training in hydraulic hose assemblies. Our accredited staff can provide the Gates Safe Hydraulics™ training to our customers, to ensure hydraulic hose assemblies on your site are made correctly and safely.

IN HOUSE MANUFACTURE AND KITTING



Motion Fluid Power Solutions service centres have the workshop capabilities and trained staff to provide hydraulic hose assemblies and hose kits to meet industry requirements.

Our service centres allow us to manufacture, test and certify hoses in line with industry standard and requirements. Our test and certification, complies with global standards, with the ability to proof test hoses to meet proof testing requirements in accordance with ISO 6605 or SAE J343 or AS 1180.5

We are also able to manufacture hose assemblies in accordance with local guidelines for Australian industry (e.g. RS23 (Recognised Standard 23 for Fluid Power Safety in Coal Mines) or MDG41 (Mining Design Guideline for Fluid Power Safety Systems at Mines)

Our service centres ensure we can accurately manufacture hoses in line with industry standards to keep your business moving.

MOBILE HOSE SERVICE



Benefit

Motion'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 moving.

Application

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.

ON-SITE SOLUTIONS

Motion's On-Site Solutions offers a customised, hassle-free approach to inventory management that ensures your valuable assets are secure and accessible only to authorised personnel.

Designed to save you time and reduce costs, our program provides a variety of machine options tailored to meet your specific operational needs.





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MOTION

Delivering a world-class customer-first approach providing excellence and expertise in industrial products, solutions and services.

MOTION
FLUID POWER SOLUTIONS

Specialists in Fluid Power Solutions tailored to keep your equipment moving.

MOTION
ENGINEERING & SERVICES

Specialist design and engineering, manufacturing, repair and maintenance services.

Anytime.Anywhere.
Always Here.™



Find a location near you!

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or visit [Motion.com.au](https://www.motion.com.au)