

FOR ALL YOUR ENGINEERING TOOLS; WELDING EQUIPMENT; ELECTRICAL SWITCHGEAR & SWITCHBOARDS; FORKLIFTS; LIFTING EQUIPMENT; GAUGES & VALVES



INDUSTRIAL PRODUCTS ENGINEERING

FLOW CONTROL

MATERIAL HANDLING

ELECTRICAL SWITCHGEAR

Product Catalogue 2021

AMES ENGINEERING (PVT) LTD

The company was registered in December 1948 and commenced trading in March 1949 as a branch of Dawson & Dobson Limited, trading in Engineering; Steel and Building products.

In 1969 as a result of change in ownership, the activities of a company known as Reid Brothers, were incorporated into the activities of Dawson and Dobson. Reid Brothers were involved in many activities including Valves; General Lifting Equipment; Fastenings; Ridgid Tools; Electric Motors and Switchgear. As a result of the amalgamation, the company name changed to Associated Mining and Electrical Supplies and in 1982 the name was changed to Ames Engineering Limited.

The Company operates from Bulawayo and Harare. Both Branches offer a full back-up service Workshop to all Products supplied.

BULAWAYO



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BELMONT



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amesheadoffice@ames.co.zw



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Browse our website
<http://ames-engineering.com>



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“THE BITTERNESS OF POOR QUALITY WILL LONG BE REMEMBERED AFTER THE SWEETNESS OF LOW COST”

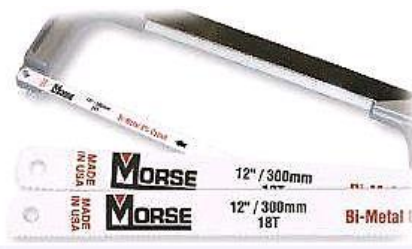
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Engineering division is made of three Product Divisions:-

✚ **Industrial Products Division** supplies a range of Engineering Consumables and Capital Equipment. The Engineering consumables such as Abrasives, Hacksaw Blades and Welding Consumables are sold to all Sectors of Industry. We offer the range of Ridgid Pipe Working Tools to the Mining Sector; Local Authorities and Industrial users. This is complimented with associated Tools and Workshop Equipment from other suppliers; Capital Equipment such as Lathes; Milling Machines & Associated Machine Tool Accessories are offered from established overseas and regional suppliers. We have historically supplied this type of equipment to Educational Institutions and Training Centres.

INDUSTRIAL PRODUCTS

ENGINEERING



SELF EXPLANATORY!



PFERD grinding tools available in a new design

PFERD

www.pferd.com

ABRASIVES



Cutting Discs

Diamond Blades

Emery Tape

Grinding Discs

Grinding Wheels

Mounted Points

Sanding Discs

Wire Brushes



CUT-OFF WHEELS

PFERD Cut-Off Wheels are global leaders in quality, consistency and performance



GRINDING WHEELS

PFERD range of reinforced Grinding Wheels provides outstanding stock removal, handling convenience & high cost efficiency



MOUNTED POINTS

A very extensive line of vitrified & resin bonded Mounted Points. Designed to meet individual application needs, these Products come in a broad range of grain types; grit sizes; hardness levels and shapes. Mounted Points are manufactured on advanced production lines to high standards of dimensional accuracy & stability, consistent quality and close tolerances



POWER BRUSHES

PFERD offers a complete range of Power Brushes for Industrial use, including Wheel, End Cup, Shaft Mount & Tube Brushes



POLIFAN® FLAP DISCS

Can offer advantages over reinforced Grinding Wheels where a superior surface finish must be achieved in addition to high stock removal rates



UNIVERSAL & PERFORMANCE LINE

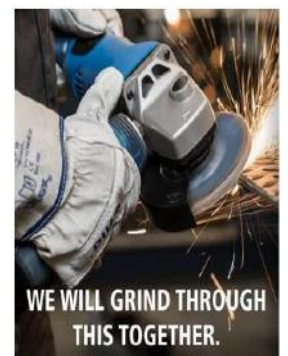
PFERD Tungsten Carbide Burs are designed for machining materials of virtually any strength. PFERD Burs are internationally known for highest possible levels of concentricity and consistency. Performance Line of Carbide Burs features OMNI cut Burs for versatile use on a variety of key materials



AMERICAN PATTERN FILES / FILE HANDLES / SETS & ACCESSORIES



ABRASIVES



CUT-OFF WHEELS



ARTISAN TOOLS



Allen Keys		Indicator Dial Testers	
Calipers Inside / Outside		Machine Pipe Threaders (RIDGID)	
Centre Drills		Micrometers Inside / Outside	
Chain Pipe Vices (RIDGID)		Pipe Benders (RIDGID)	
Chassis Punches		Pipe Cutters (RIDGID)	
Chucks Drill Lathe		Pipe Dies (RIDGID)	
Club Hammers		Pipe Threaders (RIDGID)	
Cold Chisels		Pipe Wrenches	
Die Nuts		Pliers (various)	
Drill Bits / Sets		Punches (various)	
Drills Masonry		Screw Driver Sets	
Files (PFERD)			
Hacksaw Blades (MORSE)			
Hacksaw Frames			
Hammers (Various)			
Impact Sockets			

ARTISAN TOOLS



PILOT TOOLS



Socket Sets



Spanner Combination



Spanner Sets



Spanner Shifting



Spanner Slogging



Squares Combination Set



Squares Engineering



Steel Rules



Stock & Die Sets



Sweeper Floor



Tapes Measuring



Tap Sets



Telescopic Gauges



Tube Bender (RIDGID)



Tin Snips



Tommy Bars



Tool Boxes



Turning Tools



Vernier Calipers



Vice Bench



Vice Bench Yoke (RIDGID)



Vice Grips



Wheel Dresser



Wrenches Basin (RIDGID)



Wrenches Impact



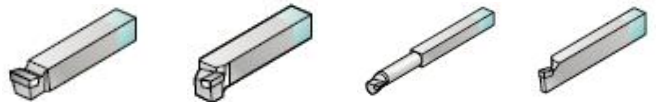
Wrenches Pipe (RIDGID)



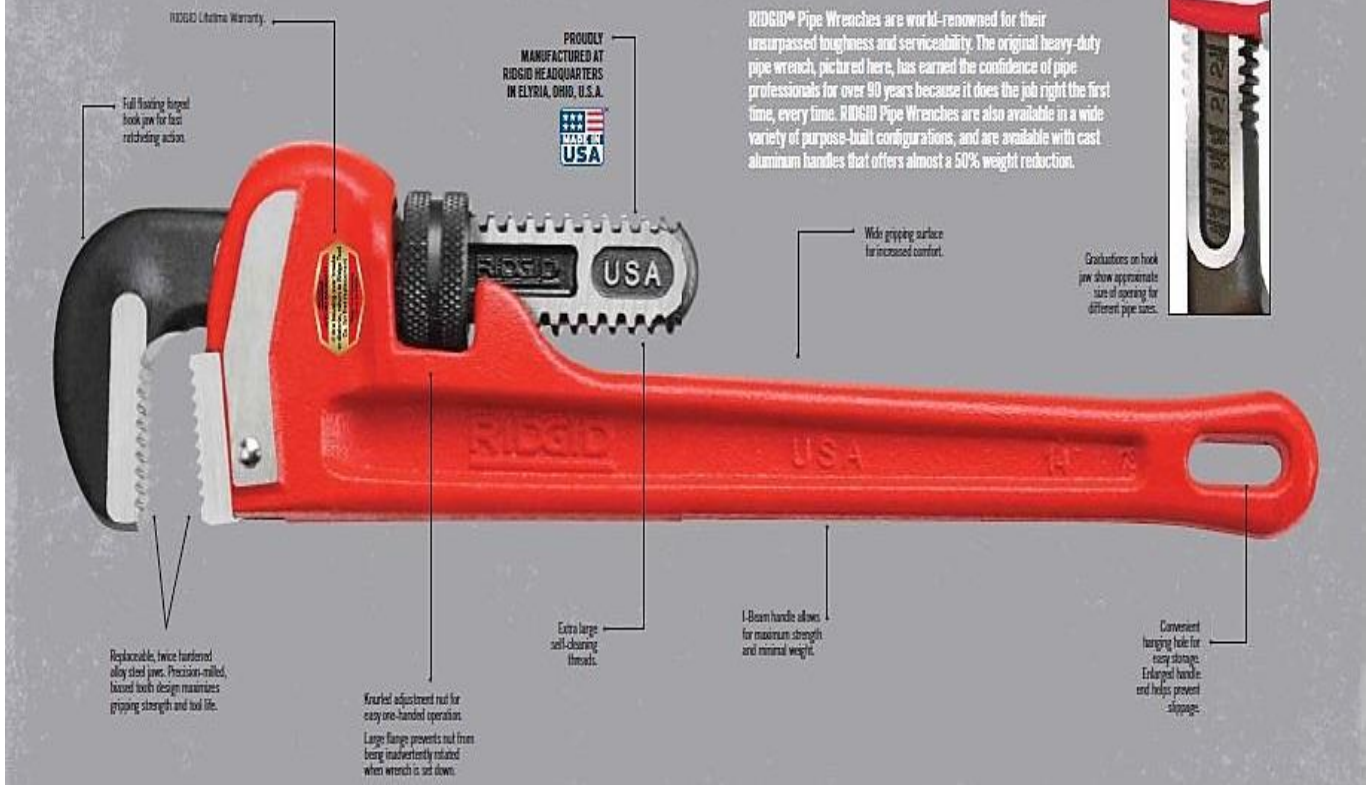
Wrenches Strap (RIDGID)



Wrenches Torque

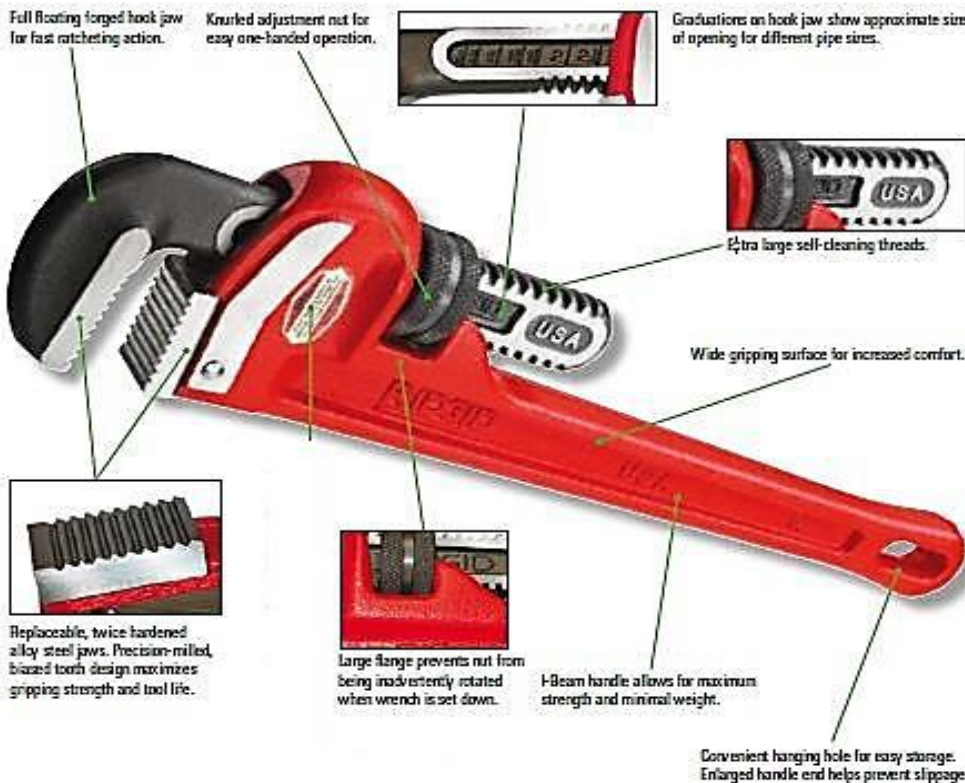


ANATOMY OF A LEGEND

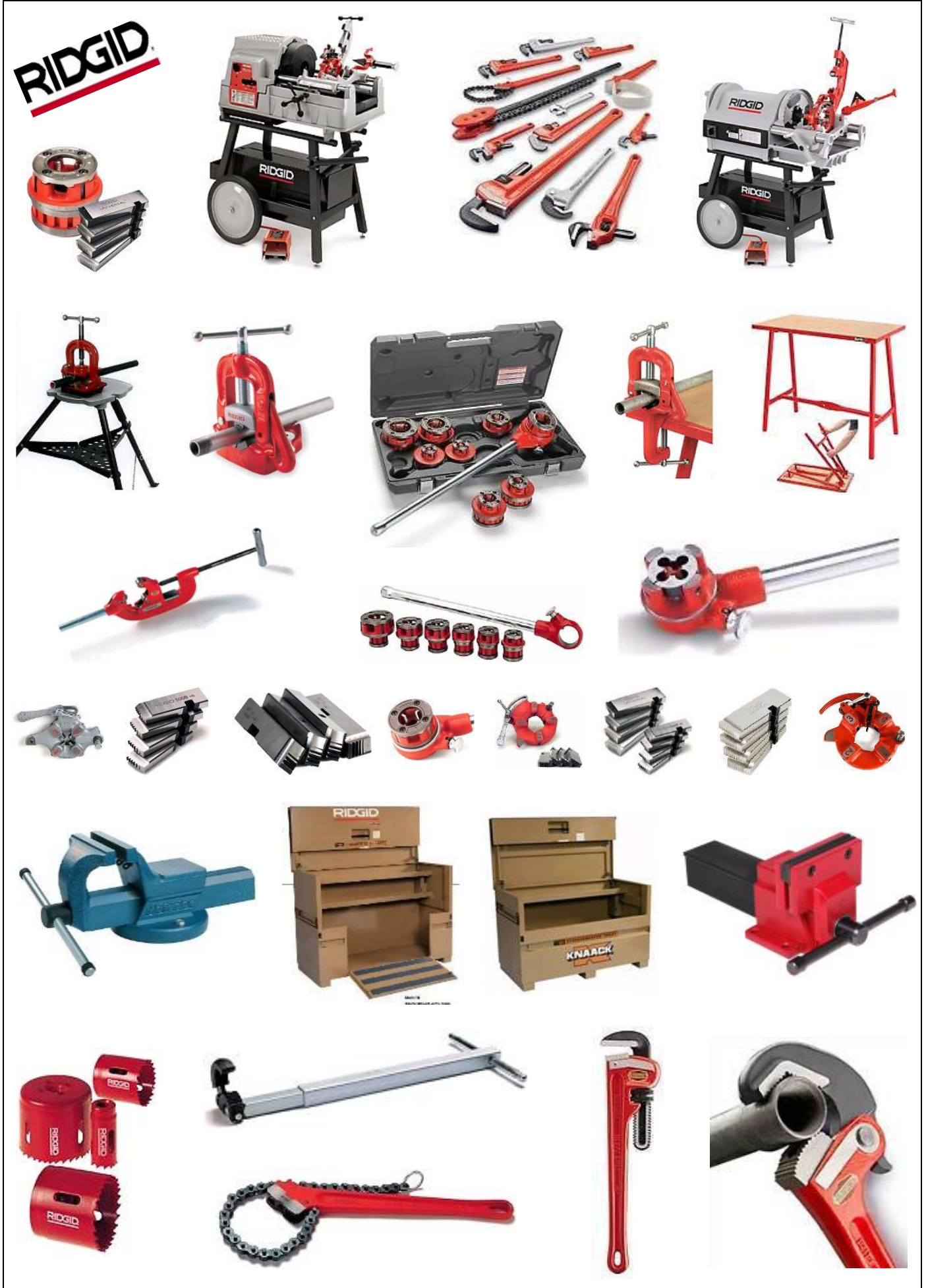


RIDGID® Pipe Wrenches are world-renowned for their unsurpassed toughness and serviceability. The original heavy-duty pipe wrench, pictured below, has earned the confidence of pipe professionals for over 80 years because it does the job right the first time, every time. RIDGID Pipe Wrenches are also available in a wide variety of purpose-built configurations, and are available with cast aluminum handles that offer an average 40% weight reduction.

Anatomy of a Legend



ARTISAN TOOLS



ARTISAN TOOLS

GEDORE
TOOLS FOR LIFE



Allen Keys



Cutters & Tin Snips



Spanners: Combination; Swivel Head; Deep Offset; Double Ended; Flare Nut; Ring; Slogging; Shifting; Spark Plug

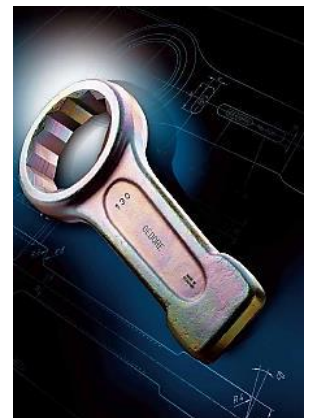


Pliers: Circlip; Combination; Fencing; Grips; Jenny; Piston Ring; Telephone; Universal; Welding



Screwdrivers: Electricians; Mechanics; Phillips; Insulated

Hammers; Measuring Tools; Ratchets; Sockets & Sets; Tool Boxes; Wrenches



BAND-IT STRAPPING



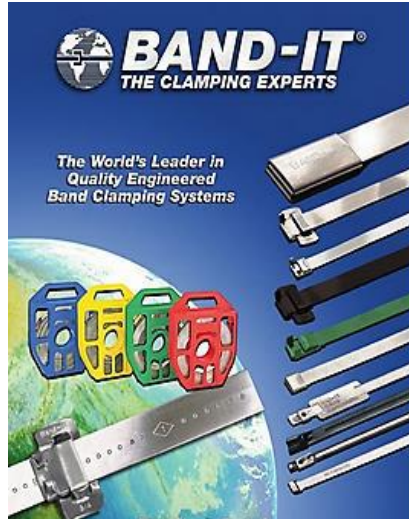
BAND-IT
THE CLAMPING EXPERTS



Band-It Strapping

Band-It Tools

Band-It Valuclips



BLADING



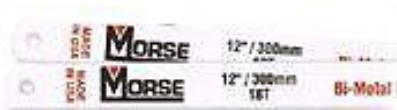
Bandsaw (MORSE)

Circular Saw (BOSCH)

Hacksaw (MORSE)

Hole Saw (MORSE)

Powersaw (MORSE)



MACHINE TOOLS & ACCESSORIES



- Abrasive Cut-Off Machines
- Band Saw Machines
- Bench Grinders / Belt Sanders
- Boring Heads
- Boring Bars & Turning Tools
- Broaches
- Chuck Drills
- Clamping Kits
- Coolant Pumps
- Data / Zeus Books
- Dial Indicators
- Dividing Heads
- Drill Bits / Centre Drills & Countersink Drills / End Mills / Step & Thread
- Grinders (Air)
- Guillotines / Tool & Cutting
- Lathes
- Live Centre
- Machine Vice
- Magnetic Base
- Micrometres / Vernier
- Milling Chucks / Cutters
- Milling / Shaping Machines
- Pedestal Drills
- Power Saw Machines / Planers / Radial Machines & Rotary Tables
- Slot Drills & Taps
- Toolboxes
- Tool Holders / Torx Bits



MACHINE TOOLS & ACCESSORIES: MISC.

Arbors



Bevel Protractor



Blades: Bandsaw



Centre Punch



Chemical Anchors



Centering Heads



Drive Socket



Engineers Square



Feeler Gauge



Handy Roll / Abrasive Sheet



Line of Chords



PlumBob



PowerSaw Blades



Reamer Sets



Riveters



Scribers



Sliding Bevel



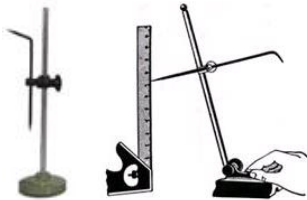
Spirit Levels



Steel Rule / Straight Edge



Surface Gauge



Telescopic Gauge



Thread / Screw Pitch Gauge



Tool Holders



Utility Knives & Spare Blades



Wire Brushes



POWER TOOLS



BOSCH

Angle Grinders; Bench Grinders



POWER TOOLS



- Angle Grinders
- Bench Grinders
- Blowers
- Circular Saws
- Cordless Tools
- Drills : Impact
- Drills : Non-Impact
- Jig Saws
- Jointers Biscuit
- Laser Levels
- Mitre Saws
- Nibblers
- Planers
- Rotary Hammers / Breakers
- Routers
- Sanders Orbital / Belt
- Screwdriver Dry Wall
- Straight Grinders
- Wall Chasers
- Wrenches : Impact



AMES OFFERS A FULL BACK-UP SERVICE TO THE BOSCH RANGE OF PRODUCTS





MAGNETIC DRILLING SYSTEMS

uniber

High Speed
Countersink Drills

Magnetic Base &
Drills

Premium Cobalt
Cutters &
Accessories

UNIBOR E50

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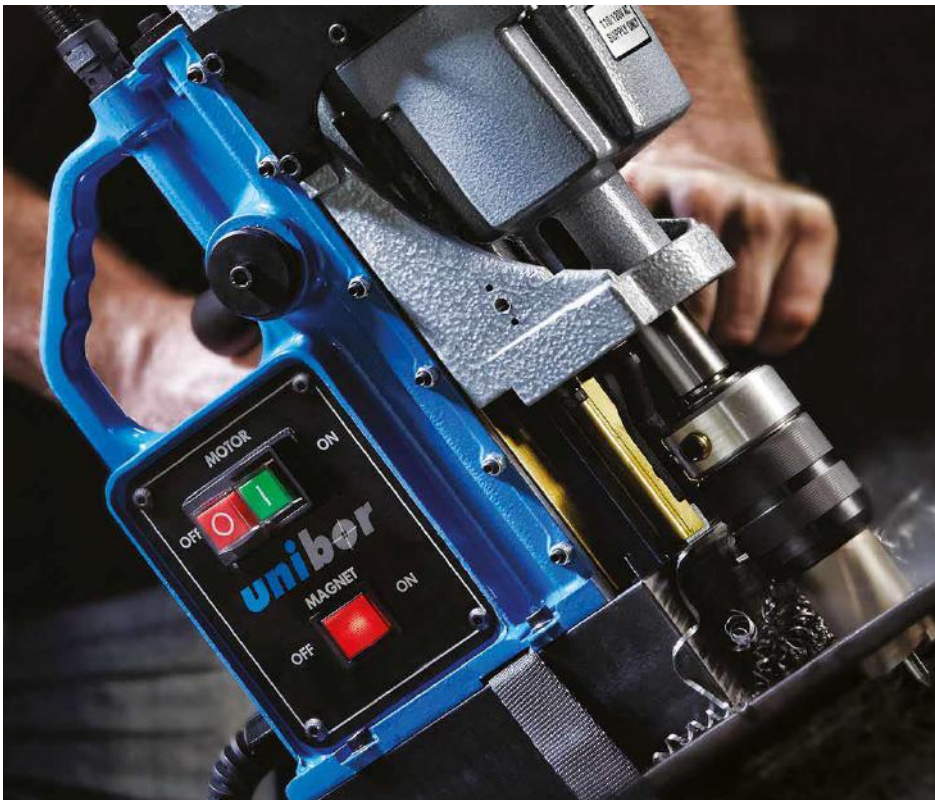


UNIBOR E100

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WELDING EQUIP. & CONSUMABLES



Electrodes:

- Cast Iron
- Gas Welding
- Gouging Carbon
- Hard Facing
- Low Hydrogen
- MIG Wire
- Mild Steel
- Stainless Steel
- TIG Rods



Gas Equipment:

- Cutting Torches
- Flashback Arrestors
- Flint Lighters & Triple Flints
- Nozzles
- Regulators
- Straight Line Cutter



Welders:

- ARC
- Invertors
- MIG
- Plasma Cutter
- TIG



Welding Accessories: Aprons / Spats / Sleeves

- Spats / Sleeves
- Brazing Goggles
- Coveralls / Jackets & Trousers



Earth Clamps

Electrode Holders

Gloves

Helmets

Nozzle Cleaners

Replacement Lenses

Welding Cable





STRIKE GOLD

WITH ESAB OK GOLDROX –
A HIGHER-QUALITY ALL-POSITION STICK ELECTRODE.

GOLD PERFORMANCE



EASY ARC STRIKING



EASY SLAG RELEASE



MINIMAL SPATTER

Go for the gold. Pick up a pack of OK GoldRox today.



✚ **Flow Control Division** supplies product related to the control of fluids incorporating Steam Equipment & Instrumentation. The Flow Control Division offers a range of general Valves; Steam Valves and Allied Equipment. We are renowned as a quality supplier of Pressure Gauges that are used in all sectors of the economy.

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PRESSURE GAUGES & VALVES



Ammonia Gauges

Boiler Tube Brushes

Flow Meters

 This section displays a variety of specialized equipment:

- Three ammonia gauges with different scales and materials.
- Two boiler tube brushes, one with a long handle and one with a shorter handle.
- A blue flow meter with a black top.
- A differential pressure flow meter with a black display.
- Two vertical float flow meters with green handles.

PRESSURE GAUGES & VALVES



Hose Clips



Pressure Gauges



Pressure Transmitters & Process Gauges

Temperature & Utility Gauges



VALVES: Knife Gate; Pressure Reducing; Parallel Slide & Stainless Steel; Steam Traps



V.Line & Capillary Thermometers



✚ **Material Handling** supply Lifting & Handling solutions. If you need to move it; lift it; push it or pull it, we have the right Product for you!

We stock a comprehensive range of Forklifts & Warehousing Equipment; Forklift Attachments; Replacement Parts & Accessories for all makes of Forklifts as well as Forklift & Industrial Tyres; Wheels & Rims.

In addition, our Range includes a wide variety of Equipment, Fittings & Accessories for Hoisting; Rigging; Winching & Jacking Applications.

We stock a wide range of Spares and maintain fully equipped Workshops, in Harare & Bulawayo. Services include Load Testing for Hoists and the maintenance & repairs of all our Equipment. We have qualified travelling Technicians for onsite work.

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FORKLIFT & WAREHOUSE EQUIPMENT

CAMSO OFF THE ROAD TYRES



Tyres / Tracks & Track Systems

- Agriculture
- Construction
- Material Handling



Rubber track



ELECTRIC HOISTS



FORKLIFT EQUIPMENT & SPARES



LIFTING & RIGGING EQUIPMENT

BANTAM



HOISTING / RIGGING & LASHING EQUIPMENT

STANDARD GRADE 80 CHAIN SLINGS

1 LEG SLING



2 LEG SLING



3 LEG SLING



4 LEG SLING



GARAGE EQUIPMENT

JACKING / LUBRICATION EQUIPMENT & TYRE INFLATORS



SHOP EQUIPMENT



WIDE RANGE OF STANDARD PRODUCTS



HYDRAULIC LIFTING CYLINDERS

- General Purpose
- Single & Double Acting - Hollow Centre
- Single Acting - Low Height
- Double Acting - High Tonnage
- Aluminium Locknut Cylinders

EL SERIES LOCKNUT CYLINDER



ES SERIES



CYLINDERS

ESH SERIES CYLINDER



ESA SERIES ALUMINIUM



CYLINDER

ESL SERIES



CYLINDERS

ELL SERIES PANCAKE NUTLOCK



CYLINDERS



Cassette Reducer for EHW SERIES Low Profile Torque Wrench



EAB High Pressure Quick Coupler



EH Series Duplex Hydraulic Hose



Sockets for ESW SERIES Locking Ring & Cassette Reducer

SPECIALIZED TOOLS: HYDRAULIC TORQUE WRENCH SETS

EHW SERIES Hexagon Cassette Torque Wrench

- 70Mpa Max working Pressure & Accuracy keep within $\pm 3\%$
- 5 Models with the range from 228-44613Nm
- Compact design with long Arm fully advances the reliability



ESW SERIES Square Drive Torque Wrenches

- 70Mpa Max working Pressure & Accuracy keep within $\pm 3\%$
- 8 Models with the range from 189-48670Nm
- 360° adjustable Reaction Arm allows placing freely



EPB Electric Pump for Torque Wrench

- Fully adjustable & Lockable Pressure Valve
- Built-In Oil Cooler
- High Strength, light weight, Aluminium Alloy Reservoir and Pump Body making it extremely portable



EPB Series Electric Pump

- High Flow rate from 20in³/min & 120in³/min for Standard models
- 10ft 24V remote Control or Solenoid Control for operator safety
- Starts under full load
- Single & Double Acting available

EPA SERIES PUMPS High Strength Aluminium, Alloy Steel engineered for use in extreme environments. Compact, easy to carry and user friendly design. Built-in Safety Valve. Used for various Cylinders & Tools.



EPC SERIES Air Pumps Can be used with a variety of Hydraulic Tools. Operating air pressure between 0.6-1.0Mpa. Provides up to 10,000PSI of hydraulic pressure. Air exhaust muffler for quiet operation. Pumps feature both air & oil filters to reduce risk of damage from environmental contaminates.



LIFTING EQUIPMENT

SAFETY & RESCUE EQUIPMENT



WAREHOUSE EQUIPMENT





Ames Electrical has represented Moeller Electric since June 1969. Historically the Mining Sector was the Division's main customer but over the years has designed and assembled Switchboards & Motor Control Centres for the Sugar Estates and the Manufacturing Sectors of the economy.

The facility based in Bulawayo, incorporates a Sheetmetal Fabrication Shop, Wiring & Assembly Shop and Paint Booth where all design and assemblage of Low Voltage Switchboards, Motor Control Centres (MCC's), Panels and Starters take place, which is a recognised standard in the Mining Industry. All Boards are fully tested prior delivery.

On-site Power Correction Services are carried out for customers systems, which are designed and built to accommodate specific customer requirements. Additional products offered by AMES Electrical include Low Voltage Switchgear such as Contactors, Circuit Breakers and Overload Relays, as well as a range of Electrical Test Meters and Earth Leakage Protection Relays. We also supply the Ghisalba range of products.

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ELECTRICAL SWITCHGEAR



Ammeters; Voltmeters & Current Transformers



Cables & Accessories / Cable Jointing Kits



Capacitors & Accessories (FRAKO)



Circuit Breakers: MCB / MCCB & Accessories (EATON / CBI)



Contactors & Accessories (EATON)



Conveyor Safety Trip Switches & Accessories (CUTLER HAMMER)



Earth Leakage Overload Protection Relays



Electrical Test Equipment : Digital Clamp & MultiMeters (TOPTRONIC & FLUKE)



Electronic Timing Modules



Float Switches (Micro & Mercury)



Fuse Links & Accessories / Geyser Digital Timer





< PRODUCTS

Electrical circuit protection

Eaton's complete line of circuit protection products reflects a long tradition of creating solutions that enhance electrical safety, reliability, code compliance and efficient power distribution in alternative energy, commercial, industrial and mining operations.

DIL contactors

The DIL contactors from Eaton's Moeller series are powerful, efficient and versatile, and they can be combined with our full range of electronic overload relays and bimetal relays. The DC devices stand out for their reduced power consumption, which makes them more energy-efficient and also reduces the size of the power supply units. The DIL contactors are suitable for global use and cover the entire output range, from mini contactor relays (up to 7 A) all the way to vacuum contactors (up to 3,180 A). Thanks to the SmartWire-DT, the contactors are communications-enabled, which allows them to be controlled remotely.



DILA contactor relay

Three basic versions of the DILA contactor relay from the Eaton Moeller series are available: 4 NO contacts; 3 NO contacts and 1 NC contact; and 2 NO contacts and 2 NC contacts. The devices can be expanded to up to eight contacts and come with 2-pole and 4-pole top-mounting auxiliary contacts. The relays are ideally suited for use as coupling or interface contactors, especially if used to control large contactors directly from a PLC.



DILE mini contactor relay

Due to their compact, space-saving size, Eaton's Moeller series DILE mini contactors can be used wherever small motors or loads need to be switched and controlled. Thanks to their extensive approvals, they can be used worldwide and are also ideally suited for use in harsh environments with high temperatures.



DILMS safety contactors

The DILMS safety contactors of the Eaton Moeller series offer reliable switching in safety-related applications, to make your machines and systems even safer. All versions of the DILMS safety contactors (from 7 A to 150 A) are equipped with a top-mounted auxiliary contact that is non-detachable. This prevents tampering and the manual actuation of the contactor. Their eye-catching yellow colour makes the safety components immediately visible in any situation.



ELECTRICAL SWITCHGEAR



HT Gloves & Safety Harnesses



Hydraulic Crimping Tools (TOPTRONIC)



Indicator Lamps (EATON)



Insulation & Earth Resistance Test Equip. (TOPTRONIC)



Low Voltage:
Motor Control Centres
Direct-On-Line & Star-Delta
Starters
Remote Control Consoles



Mine Bells & Sirens



Nova Sockets / Plugs & Accessories





← ELECTRICAL CIRCUIT PROTECTION

Circuit breakers

Eaton's low and medium-voltage circuit breakers provide premium protection for overheating wires, overloads and short circuits in residential, commercial, industrial and hazardous area applications.

NZM molded case circuit breakers

Eaton's NZM portfolio provides a globally rated solution with a broad offering of circuit breakers, accessories, and IEC switch disconnectors, ideal for panelbuilders and machinery OEMs worldwide. Thermal-magnetic and electronic trip units from 20A to 1600A for power distribution and protection of motors, generators, transformers and other equipment.



Molded Case Circuit Breakers



Reliable and safe circuit protection

Eaton's broad molded case circuit breaker (MCCB) portfolio provides you safety and reliability across the globe in various industries.

Our MCCBs provide you unmatched circuit protection in alternative energy, commercial, industrial, mining, and military applications when protecting conductors against overloads and short circuits.

These [circuit breakers](#) are applied in panelboards, switchboards, motor control centers, control panels, combination starters, individual enclosures, and bus duct plug-in units. Choose from a selection of Eaton MCCBs ranging from 10 – 3,000 amps.

ELECTRICAL SWITCHGEAR



Power Factor Control Panels & Equipment Overload Protection for Motors & Distribution



Run Hour Meters



Switches :

Rotary; Pressure / On/Off; Cam & Safety Selector; Limit & Time Control (EATON)



Tape: Insulation



Thermal Overload Relay (EATON)



Workshops: Design & Assembly: L.V. Distribution Switchboards



WORKSHOPS: DESIGN & ASSEMBLY



Distribution Pillar Board



PowerLine Distribution Board



3rd & 4th Section Cut-Outs



1st & 2nd Section Cut-Outs



Motor Control Centre



Isolation Stations



NOTES

A series of horizontal dotted lines spanning the width of the page, providing a template for writing notes.