



**MADING**  
Group

**Ingeneering and Equipments**



**Keep your industry in movement**



# MADING

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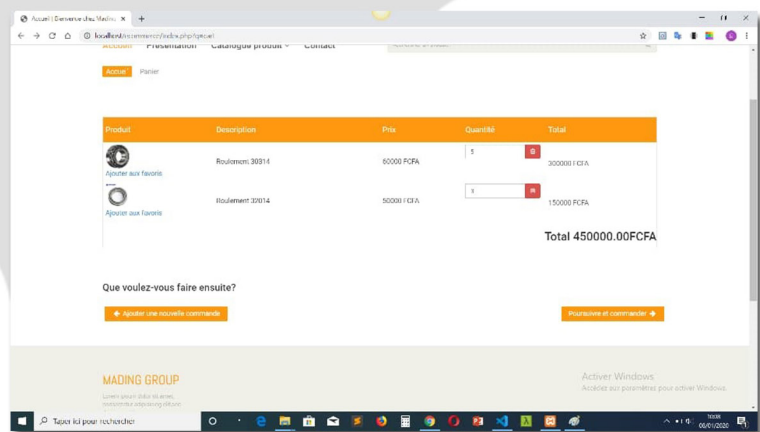
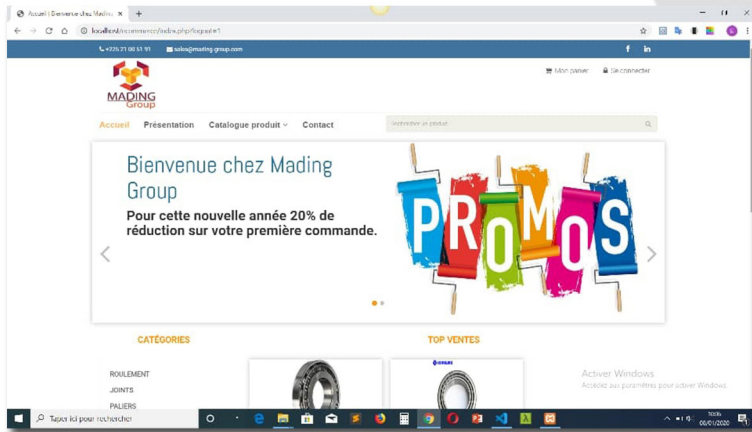
## Group

### NOS ENTREPRISES



# MADING Group

Nigeria  
Ghana  
Côte d'Ivoire  
Burundi



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# ABOUT MADING GROUP



## Many Years of Experience with Industry

From a modest start lot years ago, the Mading Group has evolved into the region's dominant distributor for industrial spare parts & services, From its roots as a bearing distributor, the Group has consistently followed its principles of quality, customer service and technical know-how to become the Middle East & Africa's foremost replacement parts & technical services provider. We remain our customers' first choice across the region. 2015 saw the completion of our new Flea quarters building in Dubai, and this investment has heralded the beginning of a new phase of growth and change within our Group. With a growing network of branches strategically located across the Middle East & Africa, we have set our sights on strengthening our market-leading position in four key business areas - Power Generation, Automotive, Industrial Wholesale and End User Direct.



## Partnership with the Region's Major End Users

Nowadays, simply selling products is not enough. Manufacturer in every industry know that they need to continuously improve their productivity and reduce costs in order to stay ahead of fierce competition. Unplanned plant stoppages are expensive. Inefficient processes cost time and money.

As a serious partner to our End User customers, we have developed our capabilities to be able to discuss the requirements of every application, and to be able to offer the most effective solutions - be it a product, service, training or advice. Our growing team of dedicated specialist MRO Sales Engineers, who have been brought together from across the region and are selected for their qualifications, skills and experience, are able to confidently work together with Maintenance & Production teams for a common goal - reduced unplanned downtime and increased production. Supported by our suppliers where appropriate, we will help you choose the right solution to suit your application and operational requirements.

## Our Services

### Stock Services

- Express & Line-Side Delivery Available
- Customer Stock Audits
- Component Condition Assessment

### Tools & Monitoring Services

- For Mounting & Dismounting
- For Equipment Alignment
- Condition Monitoring & Analysis

### Component Failure Analysis

- Failed Component Analysis
- Root Cause Analysis
- Lubrication Analysis

### On-Site Technical Support

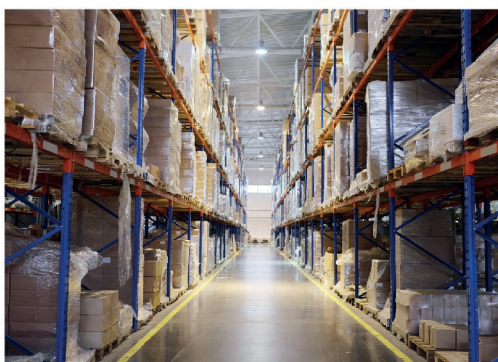
- Mounting & Dismounting
- Equipment Alignment Services
- Equipment Repair & Overhaul Services

### Cost Down & Best Practice

- Application Reviews
- Bearing Selection Advice
- Machinery Diagnostics

### Product Training

- Industry & Application Specific Training
- Bearing Handling & Fitting
- Best Practice & Case Studies



## STOCK SERVICES

For more years, Mading Group has been one of the Middle East & Africa region's largest stockiest of industrial spare parts. Our stock is second to none, and our experience has driven us to hold a comprehensive range of replacement bearings for all applications.

We will work with you to ensure availability of your requirements, and can supply it to your machine when you need it. We can put our stocks in your warehouse as part of a service agreement, releasing your resources, and leaving you to focus on your core business.

## TOOLS & MONITORING SERVICES

Timely maintenance and the correct parts will help you get the most from your machinery. However, it is vital to treat the components and your machinery correctly – when mounting and in operation, in order to get the maximum lifetime, and avoid unplanned, expensive downtime.

We supply the tools for heating, handling, fitting and removing the bearings and other components correctly. We can help you align your machinery correctly to avoid unnecessary stresses on components. We can work with you to monitor the condition of your machinery and components to understand how and when mechanical problems may cause or contribute to unplanned downtime.



## COMPONENT FAILURE ANALYSIS

Our engineers are trained and experienced in establishing and understanding the root causes of component failure.

We can of course work with you to get the machinery moving again – but it is important to understand why a component has failed, in order to provide a lasting remedy. We work together with our manufacturers to understand the root cause of failure in your application, and provide a solution which drive improved performance, and allow your maintenance team to focus on other issues.

## ON-SITE TECHNICAL SUPPORT

Whilst most distributors in the region are content to sell you their products, and leave you with your own problems, Mading Group stand ready to support our End User customers with extended technical services.

We have long experience in working side-by-side with maintenance departments to solve major problems – mounting giant-sized bearings with our specialist equipment; solving issues with gearboxes whose drive belts fail constantly; developing design solutions for screw conveyors and other machines which are a bottleneck for production processes; creating lubrication solutions in hard-to-reach or dangerous parts of your factory; and even working with you on machine overhauls during planned shutdowns. Replacing the part is not always the right solution.



## SHARING BEST PRACTICE

Our extensive work with the region's major End Users, and our engineers' experience in each industry has given us invaluable insights into the most common maintenance issues, and the solutions which bring the best results.

We will work together with your Maintenance Departments and Production Engineers to identify the areas where our solutions bring added value, and where we believe we can help develop your efficiency and productivity.

## TRAINING

We have invested heavily in our capabilities to train your engineers in the correct techniques.

We have the capacity to train up to 60 people at one time, utilising our manufacturers' skills and experiences to bring the latest products and techniques to your teams. Our hands-on training facility at our Headquarters allows your staff to learn and practice best handling practices, eliminating some of the problems leading to shortened product lifetime, and therefore more downtime.



# BEARINGS

## DEEP GROOVE BALL BEARINGS

- o Single Row Deep Groove Ball Bearings
- o Miniature Ball Bearings
- o Maximum Type Ball Bearings
- o Magneto Bearings
- o Double Row Deep Groove Ball Bearings



### Single Row Deep Groove Ball Bearings

- o High speed & low power loss
- o High radial force; moderate axial force
- o Cages: steel, brass & polymer
- o All sealing variants
- o All clearance variants
- o Available with snap-ring and groove
- o Thin section series 16\*\*\*
- o Electric motor specification
- o Bore dia 10 mm – 800 mm
- o 68\*\*, 69\*\*, 60\*\*, 62\*\*, 63\*\*, 64\*\*, 16\*\*\*



### Miniature Ball Bearings

- o Metric & imperial
- o Flanged variants
- o All sealing variants
- o All clearance variants
- o Stainless steel available
- o Available with snap-ring and groove
- o Electric motor specification
- o Bore dia 1 mm – 9 mm
- o 68\*, 69\*, 60\*, 62\*, 63\*



### Maximum Type Ball Bearings

- o Filling slots in inner & outer ring allow larger number of balls for higher radial load capacity.
- o Not recommended for high axial loads
- o Open, Z & ZZ sealing variants
- o C3 clearance variant available
- o Bore dia 25 mm – 110 mm
- o BL2\*\*, BL3\*\*



### Magneto Bearings

- o Outer ring with shoulder on one side only, so the outer is removable
- o Generally used in duplex pairs
- o Pressed brass cage
- o Bore dia 4 mm – 20 mm
- o E\*(\*), EN\*(\*), L\*\*



### Double Row Deep Groove Ball Bearings

- o Higher load rating than 2 single bearings
- o High temperature, high speed, low noise
- o Pressed brass cage
- o Bore dia 10 mm – 90 mm
- o Power transmission applications
- o 42\*\*, 43\*\*

## ADDED-VALUE SOLUTIONS - DGBB



### Aqua Bearings

- o Arduous environments
- o Corrosive environments
- o Chemical & Pharmaceutical, Food & Beverage
- o Special self-lubricating fluororesin



### Stainless Steel Bearings

- o Corrosive environments
- o Chemical & Pharmaceutical, Food & Beverage, Utilities
- o Outperforms SUS440C



### Hybrid Bearings

- o Corrosive environments
- o High temperature
- o Food & Beverage
- o Lasts 5 times longer than stainless steel in water-immersed environments



### Ceramic Ball Bearings

- o Arduous environments
- o Low noise
- o Fan Motors
- o ALL-CERAMIC ball bearings also available



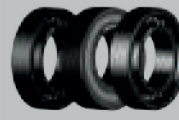
### Nickel-Coated Ball Bearings

- o Corrosive environments
- o Contamination
- o High temperature
- o Chemical & Pharmaceutical, Food & Beverage, Material Handling, Printing



### Deep Groove Ball Bearings with Special Heat Treatment

- o Contamination
- o Lubrication
- o Industrial Pumps & Compressors, Power Transmission



### Extreme Temperature Sealed Deep Groove Ball Bearings

- o Chemical & Pharmaceutical, Electric Motors, Fans & Blowers, Industrial Pumps & Compressors, Petrochemical, Power Transmission
- o Available up to 330°C - 450°C



### High Capacity Deep Groove Ball Bearings for High Loads

- o Chemical & Pharmaceutical, Electric Motors, Food & Beverage, Industrial Pumps & Compressors, Petrochemical, Power Generation, Utilities



### LNG Pump Bearings

- o Arduous environments
- o Corrosive environments
- o High speed, high temperature
- o Chemical & Pharmaceutical, Petrochemical



### Creep-Free Ball Bearings

- o High Loads
- o Electric Motors, Industrial Pumps & Compressors, Petrochemical, Power Tools

# BEARINGS

## NEEDLE ROLLER BEARINGS



### Needle Roller Bearings

- Low cross-section height
- High load carrying capacity
- Small envelope size, reducing overall machine size
- Frequently used in automobiles, motorcycles, printing presses, industrial robots and construction equipment



### Combined-Type Needle Roller Bearings

- Combined with thrust ball bearings
- Combined with thrust roller bearings
- Combined with angular contact ball bearings
- Combined with three-point-contact ball bearings



### Radial-Type Needle Roller Bearings

- Shell-type needle roller bearings
- Needle Roller Bearing cages for general use
- Needle Roller Bearing cages for engine connecting rods
- Machined type needle roller bearings



### Cam & Roller Followers

- Standard type cam followers
- Solid eccentric stud type cam followers
- Eccentric type cam followers
- Thrust disc type cam followers
- Cam followers for centralised piping
- Easy mounting type cam followers
- C-Lube type cam followers, miniature type cam followers
- Miniature cam followers with thrust washer
- Heavy duty type cam follower
- C-Lube unit for Cam & Roller followers

## SLEWING BEARINGS



### Crossed Roller Bearings

- Mounted hole type high rigidity crossed roller bearing
- High rigidity type crossed roller bearing
- Standard type crossed roller bearings
- Super slim type crossed roller bearings
- Slim type crossed roller bearings



### Slewing Bearings

- Ball & Roller bearing types
- Single row, double row, three row and combination bearings
- Sizes up to 18 metres

## PLAIN BEARINGS

- Rod Ends (Pilloballs)
- Spherical Plain Bearings



### Rod Ends

- Lubrication type Spherical Bushings insert type
- Lubrication type Rod Ends insert type
- Lubrication type Rod Ends die-cast type
- Maintenance-free Rod Ends



### Spherical Bushings

- Steel-on-steel Spherical bushings
- Maintenance-free Spherical bushings



### Link Ball

A spherical slide bearing with a ball stud that provides smooth operation with a minimal clearance.

## BEARING UNITS

- Ball Bearing Units (Pillow Blocks)
- Roller Bearing Units (Plummer Blocks)
- Split Bearing Housings

## BALL BEARING UNITS

Our Ball Bearing Units are manufactured by the industry's leading producers with severe operating conditions in mind where high speed rotation and heavy loads are regularly encountered. Almost 700 kinds of bearings and 300 types of housings are available in our product line – giving several thousand combinations possible..

### Ball Bearing Units

- Radial ball bearing
- Spherical OD to accommodate misalignment
- Cast iron, pressed steel, stainless steel, zinc-alloy, thermoplastic housings
- Inch & metric sizes available
- Locking – set screw, eccentric collar, concentric collar, and new Z-Lock technology





# BEARINGS

## PRODUCT RANGE – BALL BEARING UNITS



UCP – Set Screw



NAP – Locking Collar



NCP – Concentric Collar



UKP – Taper Bore



UCIP – Thick Series



UCPA(N) – Tapped Base



UCPH – High Base



BLP – Light Series



UP – Compact Series



UCSP – Stainless Steel



UCSPA – S.S. Tapped Base



UCVP – Thermoplastic



SBPP – Pressed Steel



UCF – 4-Bolt Flange



NANF – Locking Collar



NCF – Concentric Collar



NCF5 – Pilot Flange



UCSF – Stainless Steel



UCVF – Thermoplastic



UCFL – 2-Bolt Flange



NANFL – Locking Collar



NCLF – Concentric Collar



BLF – Light Series



UFL – Clean Series (Zinc)



UCSFL – Stainless Steel



SBPFL – Pressed Steel



UCVFL – Thermoplastic



UCFA – Adjustable 2-Bolt



UCFB(U) – 3-Bolt Flange



UCFC – 4-Bolt Cartridge



NCFC – Concentric Collar



SATFD – Light Series



SBPF – Pressed Steel



UCT – Take-Up Unit



NAT – Locking Collar



UCST – Stainless Steel



UCTH – Sectioned Steel



UCTL – Channeled Steel



UCC – Cartridge Unit



UCHA – Hanger Unit

## VALUE-ADDED SOLUTIONS – BEARING UNITS



### New Stainless Steel

- o Food & Beverage, Pharmaceutical, Fertiliser industries
- o Redesigned for wash down
- o Plastic or stainless steel covers available (including drainage hole)
- o Engineered surface for water to run off, preventing bacteria growth
- o Housings made of SUS316 grade stainless steel for additional rust-proofing
- o Packed with H1 food-grade grease
- o Floback sealing for bearing protection during wash down
- o Laser marking, including QR code

### New Z-LOCK Locking System

- o Patented, revolutionary locking system
- o Utilises a taper bore UK insert with a Z-LOCK sleeve
- o Factory pre-assembled, and ready to use straight from the box.
- o Z-LOCK uses one key to tighten just 2 set screws, requiring no torque charts and leaving bearing clearance unaffected



# BEARINGS



## High & Low Temperature Units

- For extra high & low temperature applications
- Standard -20 to +100 degC
- Cold resistant (D2K2) -50 to +120 deg C
- Heat resistant (D1K2) -40 to +180 degC
- Heat resistant (D9K2) -20 to +230 degC
- Supplied with the appropriate grease



## Ceramic Ball Units

- For special operating environments
- Reduced maintenance costs
- Relubrication interval extended or eliminated
- Eliminates the need for other external devices
- Low friction & high stress resistance
- Electric arcing is eliminated



## Corrosion Resistant Units

- Solutions to resist and eliminate rust
- Thermoplastic Polyester housings
- Stainless Steel or Nickel-plated housings
- Stainless Steel inserts SUS440C
- Zinc plated inserts
- Solid base prevents debris build-up
- Corrosion resistant backside guard available, made from nitrile rubber



## Bearing Units for Air Handling Units

- Air handling series used for HVAC and air handling applications
- S3 & S5 standards available
- 100% noise checked
- C2 bearing clearance
- Tighter tolerances, reducing noise & vibration
- Non-contact lip seals for lighter torque



## Dust Resistant Units

- Sealing options to extend bearing life and reduce maintenance costs
- Triple lip seals (L3)
- Tight triple lip seals (LT3)
- Pressed steel open covers
- Cast iron open covers
- Nitrile rubber backside guards

## BEARING UNIT ACCESSORIES

- Adapter sleeves
- Withdrawal sleeves
- Lock nuts
- Lock washers



## PLUMMER BLOCKS



### SNT Plummer Blocks

- Durable cast iron housings
- Robust sealing options
- 2 or 4 bolt mounting
- Housing series available – 200, 300, 500, 600, and 3000 & 3100 for larger sizes
- Shaft size – 20mm to 380mm
- Industries – Power Generation, Quarrying & Mining, Cement, Steel & Metals, Water Treatment, Food Processing, Movable Bridges, Industrial Fans & Blowers



### SN Plummer Blocks

- SN5 & SN6 types
- SN30 & SN31 for larger sizes
- Larger sizes available with dual-structure oil seals, and the bearing is mounted with the use of an adapter sleeve



### Dust proof Type Plummer Blocks

- Combination of oil seals, labyrinth seals, and oil groove seals
- Bearing is mounted with the use of an adapter sleeve



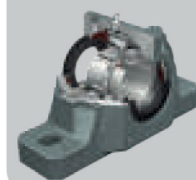
### Stepped Shaft Type Plummer Blocks

- SN2C & SN3C
- Bore diameter on one side is smaller
- Bearing is mounted using a nut & washer.



### Long-Life Split CRB Units

- Contaminated environments
- High load and misalignment
- Special seal configuration
- Improved load rating capacity
- For segmented drive rolls in continuous casting machines

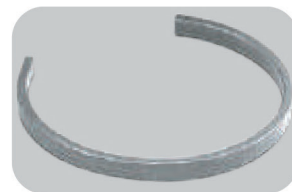


### SNN Plummer Blocks

- Contaminated environments
- High load and misalignment
- Cement, Fans & Blowers, Power Transmission, Steel & Metals

### Plummer Block Accessories

- Felt seals
- Locating Rings
- ZF Seals (NBR)
- U-Lok Seals (NBR & Steel)
- Labyrinth Seals
- V-Ring Seals
- Spacer Rings
- End Covers



# BEARINGS

## LINEAR MOTION – LINEAR GUIDES & BALLSCREWS



*Did you know ....?*

*Mading Group can cut your Linear Guide Rail to your selected length, using our high precision cutting machine.*

## BEARINGS FOR SUPER PRECISION APPLICATIONS



A new range Ball Screw Angular Contact Thrust Ball Bearings. These bearings have been improved by focusing on material cleanliness - which has a big impact on the bearings life. Universal arrangement bearings for interchangeable matching.



### Angular Contact Thrust Ball Bearings for Ball Screws

High rigidity thrust bearings designed specifically for ball screw support applications in machine tools.



### Sealed Angular Contact Thrust Ball Bearings for Ball Screw Support

Sealed Angular Contact Thrust Ball Bearings for Ball Screw Support provide excellent resistance to ingress of coolant and metal chippings, while providing highly rigid and accurate ball screw support.



### Sealed Angular Contact Ball Bearings

Sealed Angular Contact Ball Bearings ensure that the bearings are in the best possible condition, free of contamination, before and during operation while providing high level machining performance.



### Ultra High Precision Angular Contact Ball Bearings

High rigidity thrust bearings designed specifically for ball screw support applications in machine tools.



### High Precision Deep Groove Ball Bearings

Quiet operation with low vibration, these bearings are suitable for high-speed and high precision motors.

# BEARINGS





# BEARINGS

## BEARING GREASES FOR SPECIFIC APPLICATIONS



- LGMT3 – General Purpose**
- Used in a wide range of automotive and industrial applications
  - Operating temperature -30 to 130 degC
  - Mineral Oil / Lithium Complex
  - NLGI Grade 3
  - 200g, 400g, 500g, 1kg, 5kg, 18kg, 180kg



- LGEP2 – High Load, Extreme Pressure**
- Used in heavily loaded industrial applications – jaw crushers, mining, steel mills, paper making, construction machinery, salt water applications
  - Operating temperature -30 to 120 degC
  - Mineral Oil / Lithium Complex
  - NLGI Grade 2
  - 400g, 500g, 1kg, 5kg, 18kg



- LGHP2 – High Performance, High Temperature**
- Used in industrial applications under extreme pressure – industrial machinery, mining, pumps & marine applications, electric motors, agricultural machinery
  - Operating temperature -40 to 150 degC
  - Mineral Oil / Di-Urea
  - NLGI Grade 2
  - 1kg, 5kg, 18kg



- LGFP2 – Food Compatible Bearing Grease**
- Used as a premium multipurpose food grade grease – H1 approved and Halal registered.
  - Operating temperature -30 to 150 degC
  - Medical White Oil / Aluminium Complex
  - NLGI Grade 2
  - 1kg



- LGFR2 – Fire Resistant Bearing Grease**
- Used in special applications and industries which are prone to fire – steel mills, blast furnaces, coke making, casters, mining
  - Complex thickener
  - NLGI Grade 2
  - 1kg, 5kg, 18kg, 180kg



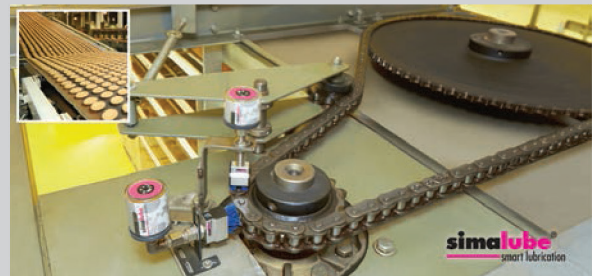
- LCAG3 - Automotive**
- High & Low Temperature Automotive Bearing Grease
  - Recommended for automotive applications – wheel hubs and hub units
  - Runs to 75,000 km
  - Mineral Oil / Lithium Complex
  - NLGI Grade 3
  - 400g, 500g, 1kg, 5kg, 18kg



- LGHB 2 - High Load, High Viscosity Bearing Grease**
- Excellent performance in a wide temperature range
  - Extreme load ratings
  - Excellent water and corrosion resistance
  - Excellent mechanical stability
  - Temperature range -20°C up to 130°C
  - Outstanding long life

## SINGLE POINT AUTOMATIC LUBRICATORS

Sealed dust proof & waterproof system  
No more manual lubrication  
No over- or under-lubrication  
Cost savings up to 30%



### Accessories



A comprehensive and practical accessory programme enables a smooth application of simalube lubricators. The accessory programme is arranged in a unit assembly system, i.e. the different

parts are compatible and can be combined so that every lubricating problem can be solved.

- Adapters and connectors
- Fitting & reducing nipples
- Extensions
- Mounting supports
- Protective covers
- Lubricant application brushes
- Hoses
- Clamps, fixtures & brackets
- Greases & Oils

The simalube lubricator is available in 15, 30, 60, 125 and 250 ml sizes. The compact design of all of the simalube lubricators makes it possible to apply in tight spaces, as well as with numerous lubricants.

- Product
- Power generation
- Working pressure
- Adjustment
- Dispensing quantity
- Operating temp
- Usage

Automatic grease and oil lubricator  
Hydrogen gas producing dry cells  
Max. 5 bar  
Stepless 1–12 months  
0.04–8.3 ml/day  
–20°C to +55°C

- Ingress protection
- Usage period
- Sizes

The lubricator can be installed in any position, even underwater.  
IP68 (dustproof and waterproof)  
Within 2 years of filling date  
15 ml, 30 ml, 60 ml, 125 ml, 250 ml

# SEALS

## SEALS



### Pump Seals (Type N)

- Special design of the shorter flex section to provide better pressure resistance.
- Special materials and structural designs for different levels of high-pressure applications.
- Dust lip design protects the seal from external contamination.



### V-Rings

- V-Rings are mounted on the shaft, rotate with the shaft, and seal against a perpendicular counter surface.
- They protect bearings and radial seals in dirty and demanding applications.



### Gearbox / Reducer Seals (Type C)

- Rubber covered OD to increase the OD sealing capability.
- Suitable for soft alloy, plastic, steel or cast iron housing materials.
- Dust lip design protects the seal from external contamination.



### Axial Face Seals

- Axial Face Seals are mounted on the shaft, rotate with the shaft, and seal against a perpendicular counter face.
- Metal case added on a rubber V-ring to increase rigidity and enhance protection against dust.



### Piston Seals

- For hydraulic piston applications
- Types – UOP, HPO, HPS, HOD
- Asymmetric & symmetric designs.
- PTFE is used for sliding material. Low frictional resistance, eliminating stick slip and assuring high wear resistance.



### Bonded Seals

- The bonded seal is a static seal used as a sealing ring fitted under the bolt head and nut.
- The rubber part provides good sealing capabilities and the metal part limits the compression.



### Rod Seals

- For hydraulic cylinder applications
- Types – HRO, UIB, UIP
- Asymmetric & symmetric designs.
- Inhibits transmission of oil temperature to rod packing
- PTFE is used for sliding material. Low frictional resistance, eliminating stick slip and assuring high wear resistance.



### Rings

- O-ring, X-ring, Square ring, D-ring, H-ring, V-ring, Backup Ring with custom shapes and sizes.
- Complete AS568, JIS B2401 P/G/S O-rings.
- Made of high-performance rubber compounds with excellent capabilities.



### Wiper Seals

- Types – VA, WP, WPK
- Effective barrier against dirt intrusion.
- Excellent sealing performance with lubricant retention.
- Designed for oscillating, swivel motion.
- Easy press-fit installation.



### Rubber Molded Parts

- Made of high-performance rubber compounds with excellent capabilities.
- Molded specifically as per customer requirements or application criteria.



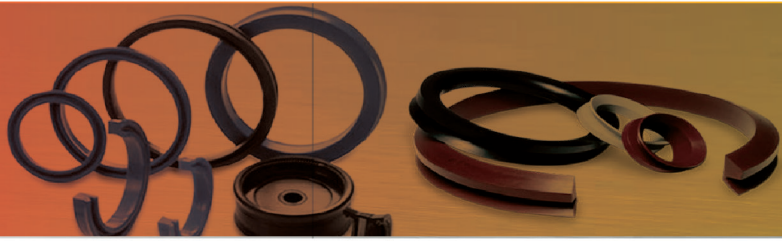
### Motor Seals (Type C & G)

- Rubber covered OD to increase the OD sealing capability.
- Suitable for soft alloy, plastic, steel or cast iron housing materials.
- Dust lip design protects the seal from external contamination.
- Type G/G1 - Special design of a corrugated OD. Particularly suitable for applications where the housing material is subject to thermal expansion.



### O-Ring Kit & Cord

- AS568, JIS, Metric as well as Inch kits available.
- Standard 70 Shore A hardness as well as customer specified durometer O-rings available.



# SEALS



# BELTS

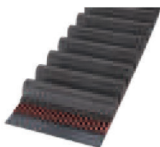




# BELTS

## POWER TRANSMISSION BELTS & PULLEYS

### INDUSTRIAL TIMING BELTS



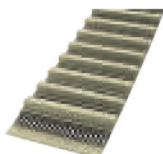
For Low & Medium Power Range



Heavy Duty for High Power Range



Heavy Duty for High Acceleration



PU for Low & Medium Power Range



Self-Tracking for Horizontal Drives



Combined Belts



Open-Ended Timing Belts



Open-Ended Flat Belts for Lift Systems

### WRAPPED V-BELTS & V-RIBBED BELTS



For General Applications



For Heavy Duty Applications

### INDUSTRIAL PULLEYS & BUSHINGS



Industrial Timing Pulleys



V-Belt Pulleys Bushings

### RAW EDGE V-BELTS & V-RIBBED BELTS



For Demanding Drives



For Heavy Duty Applications



V-Ribbed for Heavy Duty Applications



Double-Sided Multi-V Belts

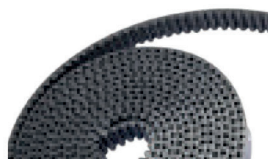
### BELTS SOLUTIONS FOR OFF-ROAD VEHICLES



Multi-Ribbed Belts for Engines



Timing Belts



Open-Ended Belts



V and V-Ribbed Belts



# CHAINS

## ROLLER CHAIN, CONVEYOR CHAIN & CHAIN SOLUTIONS



General Use Drive Chain



Lube-Free Drive Chain



Heavy-Duty Drive Chain



Stainless Steel Roller Chain



Surface Treated Roller Chain



Titanium Roller Chain



Cold Resistant Roller Chain



Low Noise Roller Chain



Poly Steel Chain



Curved St. Steel Roller Chain



Curved Chain



Leaf Chain



Pin Gear Attachment Chain



Chain Tensioner



Gen Use Small Conveyor Chain



Lube Free Small Conveyor Chain



Corrosion Resistant Small C.C.



Indexing Conveyor Chain



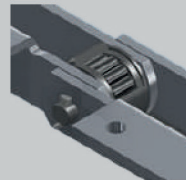
Free Flow Chains



Special Small Size C.C.



Gen Use Heavy Conveyor Chain



Large Size C.C. for Heavy Loads



Corrosion Resistant C.Chain



Special Large Size C. Chain



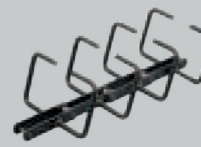
Free Flow Large Size C. Chain



Bearing Bush Conveyor Chain



Deep Link Conveyor Chain



Flow Conveyor Chain



Bucket Elevator Chain



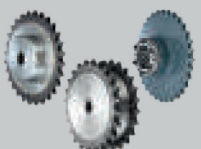
Waste Treatment Conveyor Chain



Water Treatment Conveyor Chain



Tough Roller



Sprockets for Drive Chains



Sprockets for Small C. Chains



Sprockets for Large C. Chains

## DRAG CHAINS & ENERGY CHAIN SYSTEMS



### SLE Steel Strap Energy Chain

Available in steel, stainless steel and in hardened version. It can be supplied with hole stays (SLE and SLA), foam stays (SLS) and plastic dividers (SLP) and tube stays (SLR).



### Steel Tube SFK

Offers cables and hoses good protection against hot chips, welding spatter and sparks. Proven in short travel distances and at low stroke rates.



### Large Chain GKA

Used for large quantities of cables and hoses with large external diameters, as well as self-supporting lengths up to 18m. Also available in stainless steel quality V4A as well as in special versions.



### Plastic Tube PFR

Suitable for short travel. Due to the closed design, a good optical effect is achieved. The tube is easy to shorten and lengthen. The metal coated tube is optimally for use in the field of hot chips, weld spatter or sparks.



### Plastic Link Chain PLE

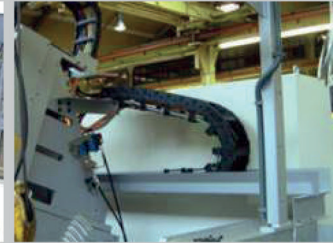
With aluminium stays is cheaper and lighter than the steel chain. In sliding applications the chain can be successively used in strokes up to 100 m.

Applications: machine tools, handling equipment, handling and lifting, etc.



### Plastic Combi Chain PKK

Combines all the advantages of energy chains to one system. The PKK can be shortened and lengthened without tools, opened, extended and closed.



### Kolibri Standard Chain

Is the inexpensive energy chain for light weight applications. Due to the integrated plastic connector additional mounting parts are not needed.



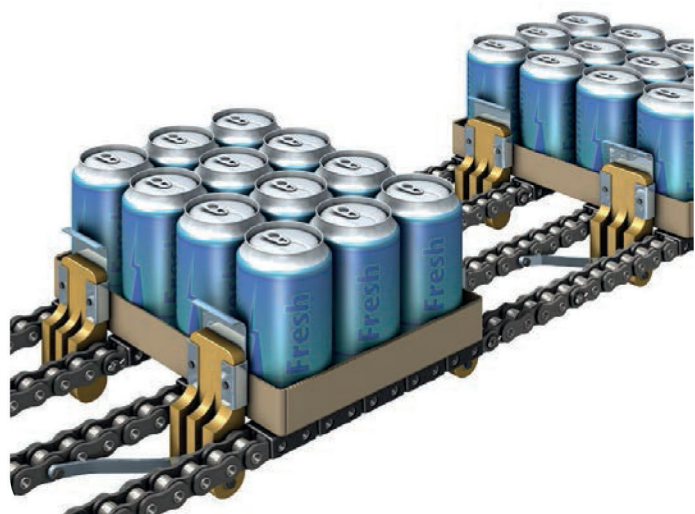
### MARATHON SYSTEM

Is a solution with energy chains with rollers for long travel. The upper part is guided by roller sets on continuous flat treads, whereby the sliding friction between the upper and lower chain part is completely avoided. Particularly suitable for Ports applications and Steel Mills.



### Drag Chain Service

In addition to the production and delivery of ready for use energy chains and energy chain systems, we also provide - according to customer requirements - a complete service for installation and maintenance on site.



# COUPLINGS & POWER TRANSMISSION TECHNOLOGY

## A2. Gear Couplings



### BOWEX Gear Couplings

Material combination: nylon / steel - Compensation for shaft misalignment: axial, radial, angular - Axial plug-in, simplified assembly - Operative range -25° C to +100° C - Torque from 5 to 2,500 Nm



### GEAREX All-Steel Gear Couplings

Flexible, vibration-reducing - Axial plug-in, easy assembly - Failsafe - Torques up to 35,000 Nm - Maintenance-free, easy to inspect visually - Standard material for spiders: T-PUR®

## A3. Backlash-Free Servo Couplings



### ROTEX GS Backlash-free Servo Couplings

Backlash-free, vibration-reducing jaw-type coupling - Axial plug-in - Maintenance-free - Electrically isolating - Failsafe - Torques from 0.2 to 5,850 Nm - Ambient temperatures from -50° C to +150° C possible (dependent on spider) -



### TOOLFLEX Metal Bellow-Type Coupling

Maintenance-free - Ambient temperatures from up to +200° C possible - Torques from 0.1 up to 600 Nm - Couplings for power transmission, automation, medical technology, packaging technology, machine tools



### RADEX NC Servo Lamina Couplings

Backlash-free, torsionally stiff servo lamina coupling - Maintenance-free - Ambient temperatures up to +200° C possible - Torques from 2.5 to 300 Nm - Couplings for automation engineering, power transmission, medical technology



### COUNTEX Shaft-Encoder Couplings

Backlash-free, torsionally stiff shaft encoder coupling - Maintenance-free - Axial plug-in - Electrically insulating - Shaft diameter up to Ø 14 mm possible - Ambient temperatures from -40° C to +160° C possible

## A4. Backlash-Free Servo Couplings



### RADEX-N Steel Lamina Couplings

Backlash-free, torsionally stiff and maintenance-free steel lamina coupling - Wear-free - High displacement figures - Nominal torque up to 280,000 Nm - Operating range up to 280° C - Single- and double-cardanic designs - Standard range up to shaft diameter 330 mm



### RIGIFLEX High-Perf Steel Lamina Couplings

Backlash-free, torsionally stiff and maintenance-free steel lamina coupling - Wear-free - High displacement figures - Nominal torque up to 280,000 Nm - Operating range up to 280° C - Double-cardanic design - Standard range up to shaft diameter 400 mm

## ROTEX Flexible Jaw Couplings - Variants



BOWEX Junior



BOWEX Spec-I



BOWEX Junior M



BOWEX SD



BOWEX M



BOWEX SD1



BOWEX M-C



BOWEX SG



BOWEX Corrosion Proof



BOWEX SSR



BOWEX I



BOWEX GT



BOWEX AS



BOWEX HEW Compact



GEAREX FA, FB, FAB



GEAREX FH, DH



GEAREX DA, DB, DAB



ROTEX SBAN



Monolastic



Pump Mounting Flanges

# INDUSTRIAL GEARS & ELECTRIC MOTORS

## KEY PRODUCTS FOR INDUSTRIAL GEARS

Industrial gears are used in many different sectors and often face dynamic operating conditions twinned with high shock loads in some cases. They are usually located between the drive on one side and the process technology on the other. In this case, industrial gears primarily serve to reduce input speeds and increase torques for the processes in question.



CRBs for Large Gearboxes



TF - Wear, Seizure & Heat Resistant



High Capacity CRBs



High Performance SRBs



High Capacity Series DGBBs



Taper Roller Bearings



Electrically Insulated Ceramic Brgs



Hybrid Bearings with Ceramic Balls



Spherical Roller Thrust



Application-specific Bearing Grease



Lubrication Systems



Sealing Solutions



Maintenance Tools



Shaft Repair Sleeve



Couplings



Backstop Clutch



Brake Systems

## KEY PRODUCTS FOR ELECTRIC MOTORS

Electric motors and generators place completely different demands on bearings compared to gears. Knocks and fluctuating torques rarely occur. Different speeds are usually the key consideration when it comes to selecting bearings.



High Capacity Series DGBBs



Hybrid Bearings with Ceramic Balls



Single Row DGBBs



Electrically Insulated Ceramic Brgs



High Performance SRBs



High Capacity CRBs



Creep-Free DGBBs



DGBBs with CM



Application-specific Bearing Grease



Lubrication Systems



Sealing Solutions



Maintenance Tools



Shaft Repair Sleeve



Couplings



# AUTOMOTIVE EXCELLENCE

## WHEEL BEARINGS, HUBS & KITS

Only genuine OEM parts from global suppliers make up the full range of wheel bearings that we supply to the MEA region. Delivering outstanding performance across the Middle East's **hottest** regions and Africa's most challenging roads - you can rely on our wheel bearing to keep your wheels in motion.



## AUTOMOTIVE BEARINGS

We offer an extensive range of replacement air conditioner, engine, tensioner, alternator and clutch bearings from the world's premium leading brands, all made to the highest global OE standards. Designed to reduce vibration, noise and corrosion resistant, the range covers personal, sports, commercial and off-road vehicles - delivering the same outstanding performance and robustness that any driver relies upon.

## BRAKEPADS

As a critical safety part to your vehicle's performance, we only supply genuine parts from the world's leading friction and braking solution manufacturers. Offering high quality, reliable performance that you can trust every time. We've got the stopping power you need to rely on, whatever the road conditions.



## BRAKE DISCS

With our wide range of brake discs, pads and shoes covering the vast majority of European, US and Asian OE car manufacturers, we have a part to match your precise requirements. With no compromise in raw materials or tolerances, our discs offer the exact same extreme heat resistance and high shear strengths as OE parts. Giving you braking solutions that deliver the performance, safety and stopping power you can rely on.

## TIMING BELTS & V-BELTS

As the leading Automotive Aftermarket distributor, we pride ourselves on delivering the very highest standards across all car replacement parts. With the best global manufacturers at our side, we can supply a full range of vehicle V-Belts and Timing Belts. With the most advanced manufacturing materials and rigorous testing, our belts can maximise your vehicles handling and performance. Reducing friction, wear, and offering temperature resistance, we give you the strength needed to keep you moving.





## AUTOMOTIVE SPARE PARTS

### IGNITION SOLUTIONS

We offer an extensive range of spark and glow plugs for ignition and start **performance**, for personal, sports, commercial or off road vehicles. From standard metals to premium iridium, our range covers 98% of the EU, US & Asian car manufacturers. We have a plug for every engine.



### FILTERS

Whether air, cabin, fuel or oil, don't let harmful contaminants damage your motor's performance. Using genuine OE parts from the worlds' leading filter material suppliers and manufacturers, you can be sure of exceptional protection, reliability and efficiency whatever the conditions.

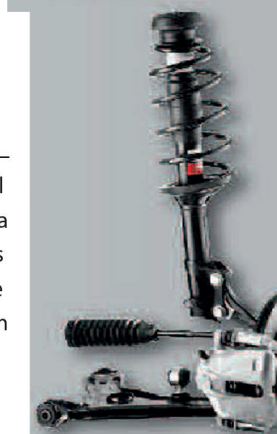
### SEALS

Automotive sealing **solutions** and technology from the world's most advanced sealing manufacturers, mean you can be assured that your seals have undergone the most stringent tests and quality standards, and offer only the very best material technology. Sealing innovation and quality that your engine needs to keep you moving.



### CORNER MODULE

With more than 100 years of history in manufacturing original equipment components, our suppliers have the experience to make a real difference to vehicle safety across the world. Manufactured parts that exceed OE specifications and with an increasingly wide coverage across the vehicle car parc, our corner units offer the very latest in vehicle technology to keep you safe on the road.



Shock absorbers and suspension parts are vital to both braking handling, ensuring a safe, smooth & comfortable drive. With our range of shocks - covering 98% of the vehicle parc - manufactured robust OE-quality standards we can help keep you in control, safe, on the road for longer.

ENGINE COMPONENTS



SERVICE PARTS





**CORNER MODULE**



**TRANSMISSION**



**M18**



# INNOVATION. PERFORMANCE. DURABILITÉ.

PLATEFORME **M18**, ADAPTÉE À  
TOUTES VOS APPLICATIONS



UNE LARGE  
ORIENTÉE PERFO  
POUR LES PROFE

**ONE KEY**

UNLOCKING THE DIGITAL JOBSITE:



**M18 FUEL**





**UN SYSTÈME,  
PLUS DE**  
**120**  
**OUTILS**

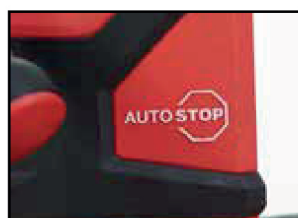
**GAMME.  
PERFORMANCE.  
PROFESSIONNELS.**



**REDLITHIUM-ION™ 2.0 / 4.0 / 5.0 / 6.0 / 9.0 Ah**

## M18 FMDP

### M18 FUEL™ PERCEUSE MAGNÉTIQUE AVEC AIMANT PERMANENT



- Moteur POWERSTATE™ sans charbons conçu et fabriqué par Milwaukee® pour une plus longue durée de vie du moteur et plus de puissance
- REDLINK PLUS™ - Nouvelle électronique qui offre une protection contre les surcharges de l'outil et de la batterie, pour des performances et une autonomie nettement améliorées
- La batterie REDLITHIUM-ION™ offre une performance supérieure, l'alliance entre l'électronique de la batterie et la performance de l'outil permet d'offrir plus d'autonomie ainsi qu'une meilleure durée de vie de la batterie
- AUTOSTOP™ : stoppe automatiquement la machine lorsque l'aimant n'est plus actif
- Aimant permanent auto-alimenté de 7100 N sur acier de 6,35 mm et 8 890 N sur acier 25,4 mm à désactivation involontaire impossible
- 2 vitesses (400 et 690 tr/min) pour les trépan ou les forets
- Capacité maximum Ø38 mm avec trépan et Ø13 mm avec foret hélicoïdal
- Mandrin 19 mm FIXTEC (type Weldon) pour un changement facile sans clé
- Réservoir de lubrifiant (avec flexible) démontable et aimanté pour le refroidissement interne du trépan

	M18 FMDP-0C	M18 FMDP-502C
Tension (V)	18	18
Type de batterie	Li-ion	Li-ion
Capacité batterie (Ah)	-	5.0
Nombre de batterie(s)	0	2
Chargeur fourni	-	59 min
Vitesse à vide (tr/min)	400 / 690	400 / 690
Capacité brêche (mm)	38	38
Capacité perçage (mm)	50	50
Perçage durs Max. (mm)	13	13
Pouvoir magnétique (N)	8890	8890
Course (mm)	146	146
Poids avec batterie (kg)	-	13.0
Fourni avec	Coffret	Coffret
Réf	4933451636	4933451012
Code EAN	4002395142330	4002395136650

## M18 CAG125XPDB

### M18 FUEL™ MEULEUSE 125 MM À SÉCURITÉ INTÉGRALE



- Moteur POWERSTATE™ sans charbons conçu et fabriqué par Milwaukee® pour une durée de vie de l'outil multipliée par 10
- REDLINK PLUS™ - Nouvelle électronique qui offre une protection contre les surcharges de l'outil et de la batterie, ce qui améliore de manière unique les performances et l'autonomie de l'outil
- La batterie REDLITHIUM-ION™ offre une performance supérieure, l'alliance entre l'électronique de la batterie et la performance de l'outil permet d'offrir plus d'autonomie ainsi qu'une meilleure durée de vie
- RAPIDSTOP™ : freine le disque à tronçonner en moins d'une seconde
- Gâchette de sécurité non verrouillable type "homme mort", fonction antidémarrage intempêtif, débrayage électronique de sécurité
- Engrenage de haute qualité - Même pignonnerie que les meuleuses filaires de 1200 W
- Démarrage progressif sans effet de couple
- Large carter de protection réglable sans outil, filtre anti-poussière amovible pour une meilleure durée de vie de l'outil
- Poignée AVS antivibrations
- Puissante: une seule meuleuse pour tronçonner, ébarber, meuler ...
- Système de fixation FIXTEC pour un changement du disque sans outil
- Gestion individuelle des cellules pour optimisation de l'autonomie de l'outil et une durée de vie augmentée

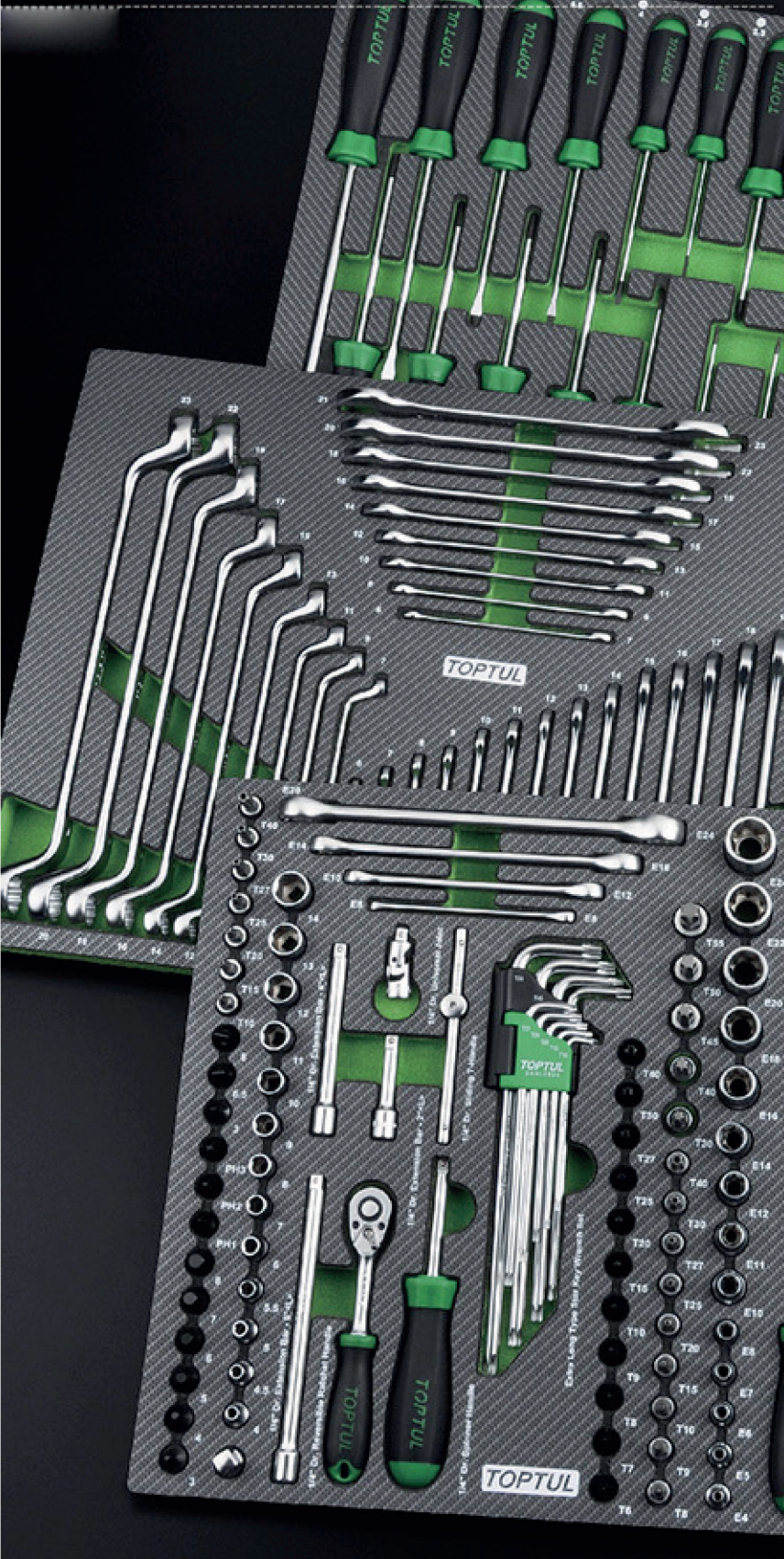
	M18 CAG125X- PDB-0X	M18 CAG125X- PDB-502X	M18 CAG125X- PDB-902X
Tension (V)	18	18	18
Type de batterie	Li-ion	Li-ion	Li-ion
Capacité batterie (Ah)	-	5.0	9.0
Nombre de batterie(s)	0	2	2
Chargeur fourni	-	59 min	95 min
Vitesse à vide (tr/min)	8500	8500	8500
Ø disque (mm)	125	125	125
Profondeur de coupe (mm)	33	33	33
Broche	M 14	M 14	M 14
Poids avec batterie (kg)	-	2.7	3.0
Type d'interrupteur	Gâchette "Homme mort"	Gâchette "Homme mort"	Gâchette "Homme mort"
Temps de freinage (s)	< 2	< 2	< 2
Ecrou FIXTEC	Oui	Oui	Oui
Antidémarrage intempêtif	Oui	Oui	Oui
Emballage	HD Box	HD Box	HD Box
Réf	4933451427	4933451544	4933451471
Code EAN	4002395162666	4002395145812	4002395162819

# MAINTENANCE TOOLS



## Master Tool Sets Professional

mechanical tool sets with mobile trolley and cabinet.



## GENERAL WORKSHOP EQUIPMENT



### *EPE Foam Modular Insert Tray System*

### EPE Foam Modular Tool Control System

Spanner & Socket sets and tool kits now feature new EPE form insert trays to reduce wear on tools and keep them well-organized. Ideal for tool cabinet arrangements or tool box storage.

### New Innovated EPE Foam

High identification, oil resistance and practicality are the notable features of this new innovated EPE Foam.

The special, new developed material on top carbon fibre type covered EPE foam is one-piece formed.

The top grade cover can resist liquids and it can be easily cleaned with a washer.

These new EPE form trays are precisely made and cut by CNC machinery, each cavity is purposely designed for each tool to ensure a perfect fit. The top carbon fibre type covered with high visible printing design and green base, will assist user to instantly recognize if all tools have been returned after use.

# MAINTENANCE TOOLS

## SPECIALLY ASSEMBLED

FOR AUDI AND VOLKSWAGEN



PRO-PLUS  
SERIES  
1 GREEN



PRO-PLUS  
SERIES  
2 RED



PRO-PLUS  
SERIES  
3 GRAY



PRO-PLUS  
SERIES  
4 BLUE

# 282PCS

## W/7-Drawer Tool Trolley

### ITEM NO.

- 1 GE-28207
- 2 GE-28208
- 3 GE-28209
- 4 GE-28210

### W/7-Drawer Tool Trolley - 282PCS Mechanical Tool Set

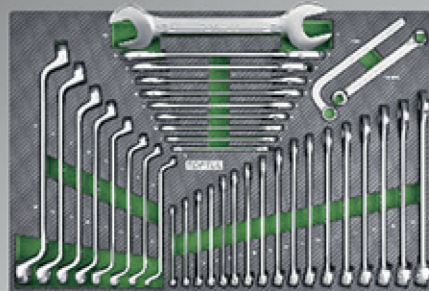
CONTENTS	DESCRIPTION
1 <sup>ST</sup> GED3701	37 Combination, Double Open End & Double Ring Wrench Set
2 <sup>ND</sup> GED3102	31 Screwdriver Set
3 <sup>RD</sup> GEDC803	128 1/4" & 3/8" DR. Flank Socket Wrench Set
4 <sup>TH</sup> GED6504	65 1/2" DR. Flank Socket Set
5 <sup>TH</sup> GED2105	21 Hammer, Punch, Chisel & Plier Set

\* For more detailed product information about TOPTUL new insert tool trays and sets, please check TOPTUL product catalogue EMT-0116.

# 5

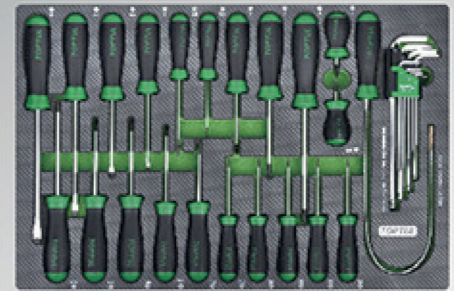
## DRAWER TOOLS

FOR  
AUDI AND  
VOLKSWAGEN



1<sup>ST</sup> DRAWER

GED3701



2<sup>ND</sup> DRAWER

GED3102



3<sup>RD</sup> DRAWER

GEDC803



4<sup>TH</sup> DRAWER

GED6504



5<sup>TH</sup> DRAWER

GED2105

# MAINTENANCE TOOLS

## 280PCS W/7-Drawer Tool Trolley

PRO-PLUS SERIES



ITEM NO. **GV-28007**



ITEM NO. **GV-28008**



ITEM NO. **GV-28010**



ITEM NO. **GV-28009**

## 6 DRAWER TOOLS

W/7-Drawer Tool Trolley - 280PCS Mechanical Tool Set

CONTENTS	DESCRIPTION
<b>1<sup>ST</sup></b> GVD2803	28 Combination & Double Ring Wrench Set
<b>2<sup>ND</sup></b> GVA5004	50 1/4" Dr. Socket Set
GVC3903	39 1/2" Dr. Socket Set
<b>3<sup>RD</sup></b> GVC6101	61 Star Wrench, Socket & Screwdriver Set
GVA3002	30 3/8" Dr. Socket Set
<b>4<sup>TH</sup></b> GVB2503	25 1/2" Dr. Bit Socket Set
GVB1202	12 Screwdriver Set
GVA0301	3 Pliers Assortment Set
<b>5<sup>TH</sup></b> GVA0405	4 Pliers Assortment Set
GVA0807	8 Hammer, Punch & Chisel Set
<b>6<sup>TH</sup></b> GVD2010	20 3/4" Dr. Socket Set

\*For more detailed product information about TOPTUL EPE foam modular tool trays and sets, please check TOPTUL product catalogue EMT-0116.

PRO-LINE SERIES



ITEM NO. **GV-28003**



ITEM NO. **GV-28004**

GENERAL SERIES



ITEM NO. **GV-28005**



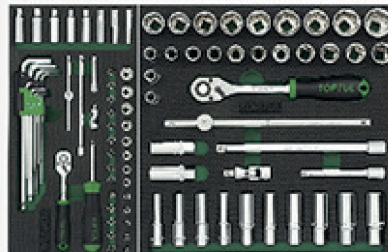
ITEM NO. **GV-28006**

## 6 DRAWER TOOLS



**1<sup>ST</sup> DRAWER**

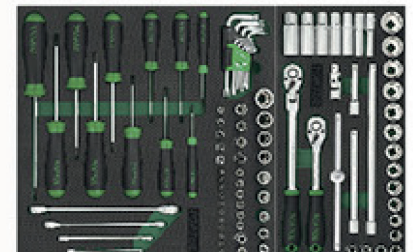
GVD2803



**2<sup>ND</sup> DRAWER**

GVA5004

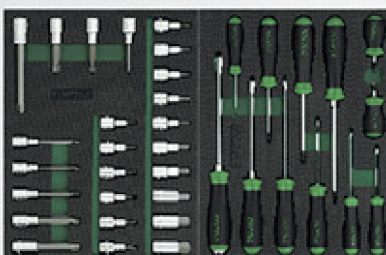
GVC3903



**3<sup>RD</sup> DRAWER**

GVC6101

GVA3002



**4<sup>TH</sup> DRAWER**

GVB2503

GVB1202



**5<sup>TH</sup> DRAWER**

GVA0301

GVA0405

GVA0807



**6<sup>TH</sup> DRAWER**

GVD2010

# OUTILLAGE PNEUMATIQUE



COMPRESSEUR A AIRE



GONFLEUR  
PNEUMATIQUE



CLÉ A CHOC



ACCESSOIRES PNEUMATIQUE



POMPE A GRAISSE



RACCORD PNEUMATIQUE



PISTOLETS DE PEINTURE

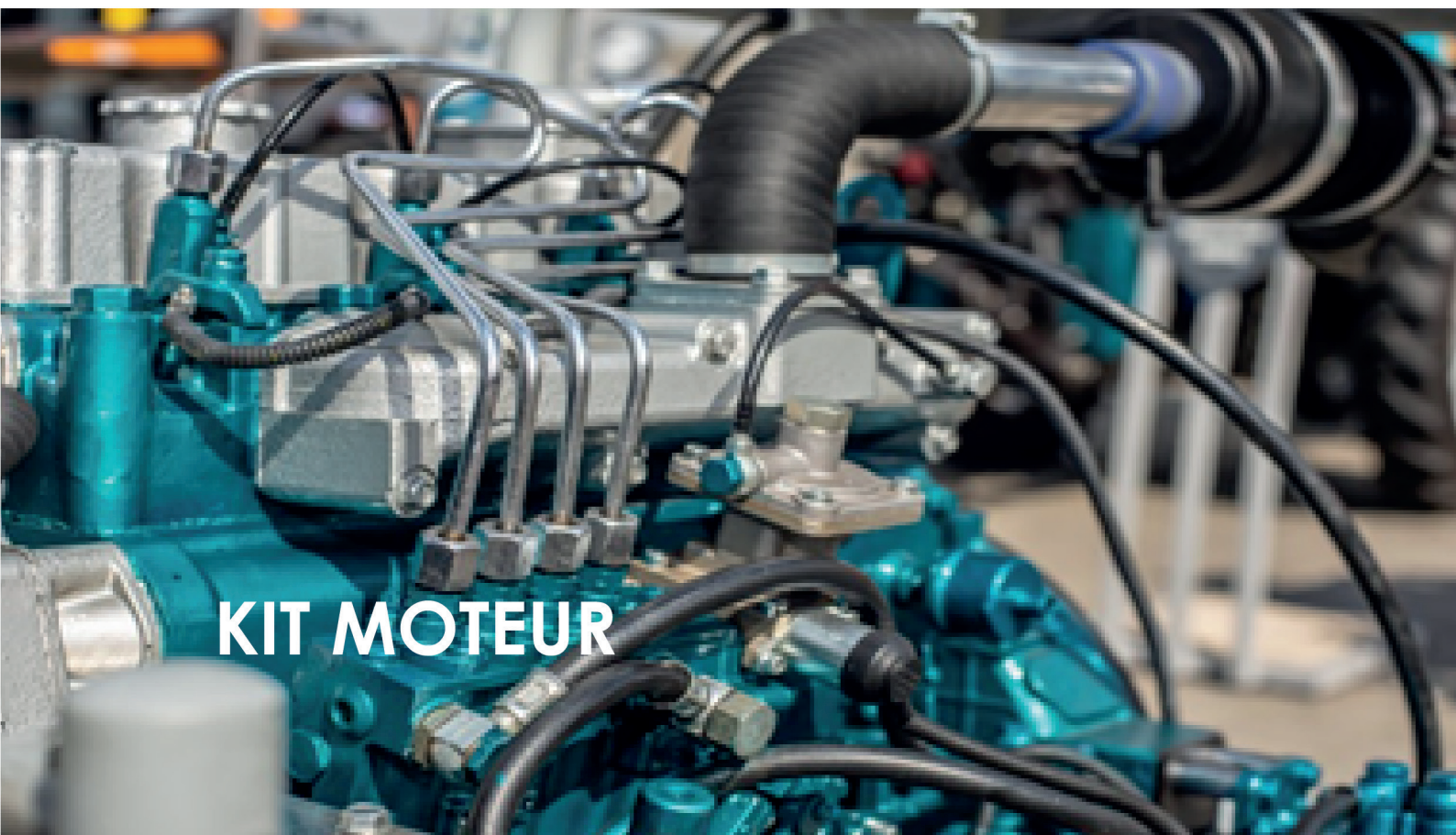
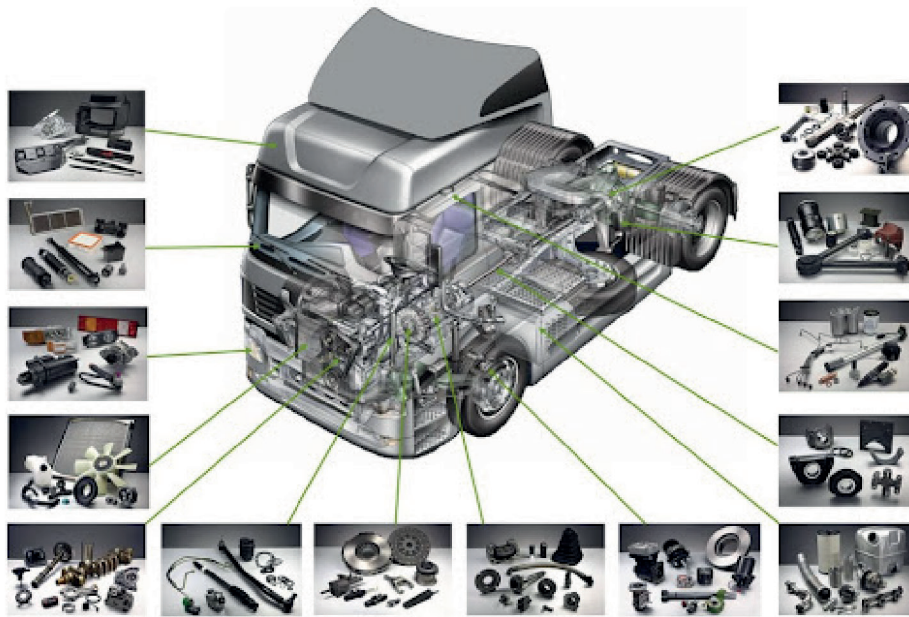


PNEUS





**KIT DE MAINTENANCE**

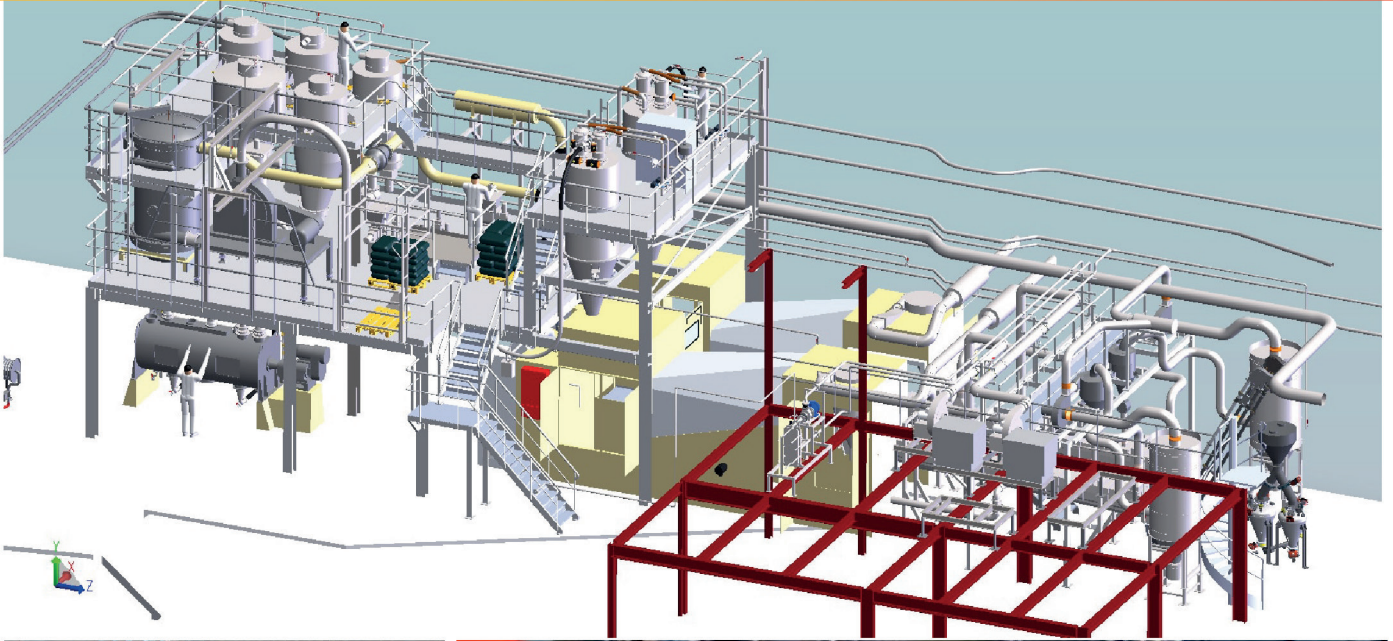


**KIT MOTEUR**

# ENGINS DE CHANTIER



# PRODUCTION INDUSTRIELLE



## .....KIT MAINTENANCE.....



**SNSC**  
VISION CREATES FUTURE



# SNSC MATERIAL HANDLING PRODUCTS OVERVIEW

## ELECTRIC STACKER



**DB12A**

1600-3300MM  
1200KG



OPTION:LI-ION

**DB10/12/15E**

1600-3300MM  
1000-1500KG



OPTION:LI-ION

**DB12/16/20W**

2500-4600MM  
1200-2000KG



OPTION:LI-ION

**DB12/15/20R**

2500-6200MM  
1200-2000KG

## REACH TRUCK



**YB-Stand Type**

2500-4500MM  
1500KG



**YB-Seated Type**

3000-11500MM  
1600-2000KG



**YB-Scissors Type**

3000-5500MM  
1500-1800KG



**YB-Stand Type**

3000-6500MM  
1500-1600KG

## ORDER PICKER VERY NARROW AISLE TRUCK



**PB20L**

2000KG



**PB05H**

4800MM  
500KG



**PB07H**

9000MM  
700KG





**RB15S**

3000-9000MM  
1500KG

# DIESEL FORKLIFTS



**FD15/18**

 3000-7000MM  
 1500-1800KG





**FD20/25**

 3000-7000MM  
 2000-2500KG



**FD30/35/40/50(mini)**

 3000-7000MM  
 3000-5000KG





**Rough-terrain forklift**

 3000-6000MM  
 1800-5000KG





**FD50/60/70**

 3000-7000MM  
 5000-7000KG





**FD80**

 3000-7000MM  
 8000KG





**FD100**

 3000-7000MM  
 10000KG



**FD120/150/160/200/250**

 3000-5800MM  
 12000-25000KG



**Telescopic forklift**

 7000MM  
 2500-5000KG

# LPG/CNG FORKLIFTS




**FL15/18**

 3000-7000MM  
 1500-1800KG





**FL20/25**

 3000-7000MM  
 2000-2500KG



**FL30/35**

 3000-7000MM  
 3000-3500KG

# MOTEURS ET PIÈCES DÉTACHÉES

**COMPRESSEURS** ATLAS COPCO, INGERSOLL RAND, WORTHINGTON  
CREYSSENSAC, COMPAIR, GIRONDIN SAUER, BURTON CORBLIN...

## CHAUDRONNERIE ET TUYAUTERIE

- TOLES ET PLAQUES
- LAMINÉES À CHAUD (QUALITÉ S235JRG2)
- TOLES GALVANISÉES / ÉLECTRO-ZINGUÉES AINSI QUE LES QUALITÉS PLUS NOBLES TELLES QUE S355, CORTEN, CHAUDIÈRES, NAVALES, ABRASION
- TUBES SOUDÉS ET SANS SOUDURES AVEC ACCESSOIRES
- ACIERS INOX EN TOLES
- BARRES ET TUBES 304, 304L, 316L, 310
- ALUMINIUM EN TOLES
- BARRES ET TUBES 5754, 5086, 1050, 6060
- COLLIER
- RACCORD LAITON
- RACCORD ACIER
- RACCORD INOX
- RACCORD À CAME
- RACCORD FONTE
- RACCORD SYMÉTRIQUE
- BRIDE ACIER / INOX, FLEXIBLE INDUSTRIE).



**ROBINETTERIE** KLINGER, SPIRAX SARCO, KSB, ROFI, SACCAP,  
DANFOSS SOCLA, TYCO, FLOW CONTROL TECHNOLOGIE, CORRY SERVAIS,  
CORRY SERVAIS, ROFORGE...

## VANNE DE SELECTIONNEMENT & REGLAGE

- ROBINET A SOUPE
- ROBINET A BOISSEAU SPHERIQUE
- ROBINET A PISTON
- ROBINET A POINTEAU
- VANNE A OPERCURE
- VANNE PAPILLON
- VANNE A MEMBRE
- VANNE GUILLOTINE



## MATERIEL DE MESURE

- MANOMETRE (WIKA, SIKA, BOURDON...)
- COMPTEUR (SAPPEL)
- SONDE (JUMO, VEGA ENDRESS HAUSER)



## MATERIEL DE SOUDAGE

(SAF, ESAB, Commerc, Lincoln ...), électrodes



## CONSTRUCTION METALLIQUE

- POUTRELLES (IPE IPN UPN UAP HEA HEB)
- LAMINES MARCHANDS (TES US PLATS CORNIERES)
- OLES, TOLES LARMEES
- PLAQUES PLATINES
- PIECES OXY-COUPES
- TUBES CONSTRUCTION RONDS CARRES ET RECTANGULAIRES
- LANCHERS COLLABORANTS,



- PROFILS DE BARDAGE ET COUVERTURE AVEC ACCESSOIRES DE POSE

## EQUIPEMENTS FRIGORIFIQUES ET PIECES DETACHEES

(YORK, SABROE, FRICK, CARLY, DANFOSS, TRANE), RESISTANCES,  
FILTRES, MOUSSES BICOMPOSANTES, FLEXIBLES...

## ROBINETERIE POUR INDUSTRIE

- MESURES CONTROLE DE NIVEAU
- GENIE CLIMATIQUE
- ELECTROVANNE MOTORISATION REGULATION
- BRIDES RACCORDS
- ADDUCTION D'EAU



## VANNE MOTORISEES

- VANNE DE REGULATION
- VANNE PNEUMATIQUE
- VANNE ELECTRIQUE
- VANNE ELECTROPNEUMATIQUE
- ELECTROVANNE



## MANUTENTION ET LEVAGE

- ACCESSOIRES DE LEVAGE
- ELINGUES CHAINE OU CABLES

- ELINGUES PLATE OU RONDE
- ACCESSOIRES D'ELINGUE CHAINE OU CABLE CABLE GALVANISE ET ANTI GIRATOIRE
- LES APPAREILS DE LEVAGE (TIRE FORT – PALAN MANUEL – CHARIOT PORTE PALAN – PINCE A TOLE)
- MANILLE LYRE ET AXE A ŒIL
- SANGLE D'ARRIMAGE
- TENDEUR D'ARRIMAGE A CLIQUET...

## **FLEXIBLES** (Miniers, Pétroliers, Hydraulique);

- TUYAUX
- EMBOUTS
- RACCORDS
- FILTRES ENGIN



## **PIECES DETACHEES POUR MATERIEL ET EQUIPEMENTS DE MINES**

- TOMBEREAUX
- CAMIONS POUR MINES A CIEL OUVERT ET CARRIERES
- CONCASSEURS ET EQUIPEMENTS POUR MINES SOUTERRAINES

## **BOULONNERIE**

CLASSES 8.8 / 10.9 / 12.9 / A2 / A4, MARQUE BERARDI



## SECURITE (EPI)

- HARNAIS
- DOUBLE LONGES
- MOUSQUETON
- CEINTURE
- GANTS
- MASQUE DE PROTECTION LUNETTES



## SOUDURE

( MARQUES DEVEX – KLINGSPOR – GEKA – SELECTARC- CASTOLIN – SAF );

- DISQUE A COUPER
- DISQUE A MEULER
- ELECTRODES



## PROTECTION RESEAU

- SOUPAPE
- CLAPET
- DETENDEUR
- ANTIVIBRATOIRE COMPENSATEUR
- FILTRE REGULATEUR LUBRIFICATEUR
- FILTRE
- AGROALIMENTAIRE
- PURGEUR / SEPARATEUR



# MADING Group

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