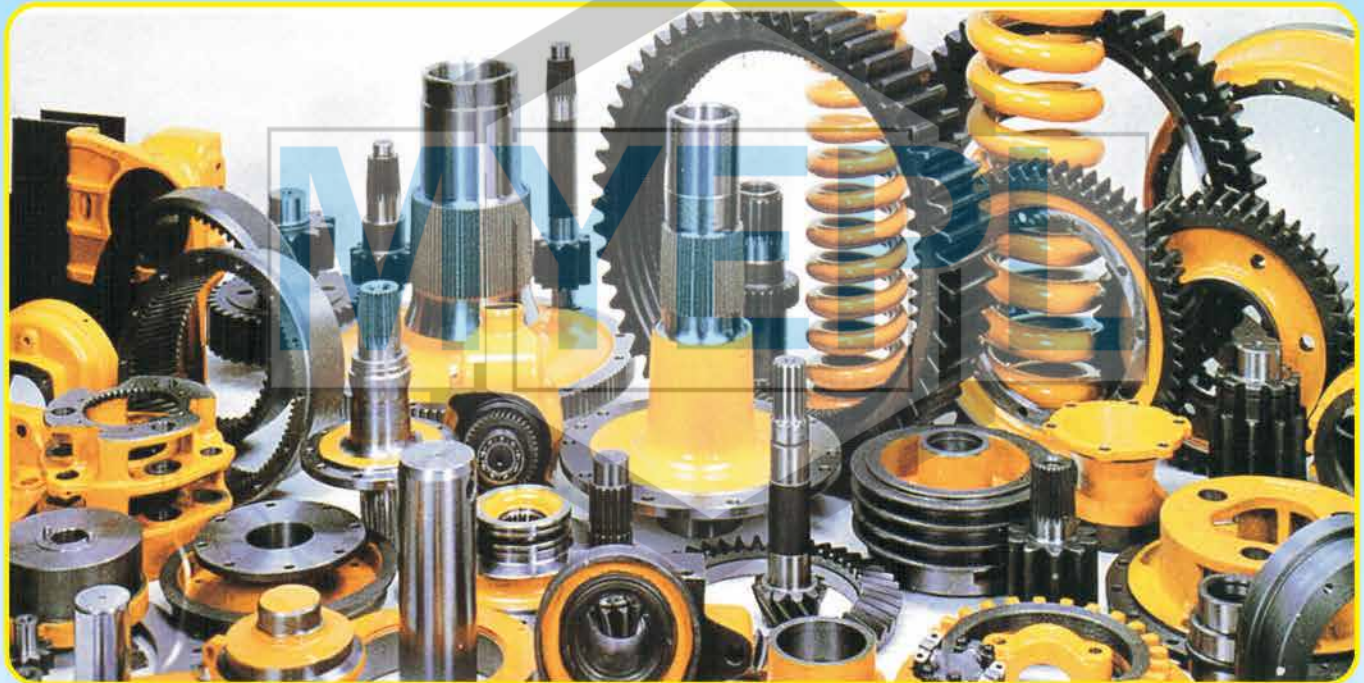




# Maa Youshoda

## Equipments Pvt. Ltd.





We provide all types of Spare Parts for the following Machines and Brands

### HYDRAULIC EXCAVATOR

CAT KOBELCO KOMATSU TATA HITACHI  
VOLVO L&T CASE DUSAN HYUNDAI

### WHEEL LOADER

CAT LUIGONG VOLVO TATA HITACHI  
JCB HINDUSTAN LOADER

### ROLLER

DYNAPAC JCB HAMM VOLVO  
IR L&T GREAVES BOMAG

### WMM PLANT

APOLLO MACONS OTHER LOCAL MADE

### MILLING MACHINE

CAT WIRTGEN BOOMAG

### BATCHING PLANT

SCHWING STETTAR GREAVES ACQUARIUS  
MAXMACK CONMET AKONA APOLLO

### DOZER

CAT KOMATSU

### PAVER FINISHER

CAT VOGELE DYNAPAC VOLVO  
BITELLI APOLLO

### MOTOR GRADER

CAT SANY KOMATSU

### DBM PLANT

MARINI LINOFF ALLWYN APOLLO

### CRUSHER

MESTO POWERSCREEN PUNZLLONA  
ROCKSTAR INDIA OTHER LOCAL MADE

### ENGINE

CAT CUMMINS DEUTZ  
KIRLOSKAR PERKINS





# Applications

## Hot/Batch Mix Plant



**SPECO // APOLLO // LINNHOFF  
PARKER // LINTEC // MARINI**

## Drum Mx Plant



**DM - 35, 45, 50, 60 TPH  
ANY MAKE & ANY MODEL**

## Wet Mix Plant



## Imported Paver



**APOLLO // VOGELE // BITELLI  
TITAN // DYNAPAC // I.R.**

## Sensor Paver



**APOLLO // DHRUVI  
UNIPAVE // VISHWAKARMA**

## Mechanical Paver



**APOLLO // MORRIS  
& ALL MAKE**

## Concrete Batching Plant



**MAXMECH // MACONS  
SCHWING STETTER // CONMAT**

## Transist Mixer



**STETTER // CIFA  
CONMIX // MAXMECH**

## Concrete Pump



**STETTER // CIFA  
SANY // PUTZMASTER**

## Asphalt Milling Machine



**WRITGEN // BITELLI  
SANY**

## Road Roller



**IR // L&T // APOLLO  
BOMAG // DYNAPAC // HAMM**

## Bitumen Sprayer



**CAPACITY  
4000, 5000, 6000, 7000 Ltr.**

## Kerb Paver



**APOLLO // ARROW // WRITGEN  
BHAGIRATH // POWER CURBER**

## Broomer



**MECHANICAL & HYDRAULIC**

## Kerb Cutting Machine



**ANY MAKE...**



# Hot / Batch Mix Plant



**CAPACITY - 124, 160, 200, 250, 300 TPH**

**SPECO // APOLLO // ERMONT // LINNHOFF // LINTEC // PARKER  
DMI // MARINI & ALL IMPORTED PLANTS**

|   |   |  |   |
|---|---|--|---|
|    |    |    |    |
| Conveyor Belt   | Impact Roller   | Gear Box   | Drum Flights  |
|    |    |    |    |
| Furnace Oil Heating System  | Drum Roller   | Drum Ring  | Elevator Buckets  |
|    |   |   |   |
| Bucket Elevator Chain   | Vibrating Screen  | Impeller   | Exhaust Impeller Assembly   |
|   |  |  |  |
| Mixer Arm   | Mixer Tips  | Mixer Liners   | Mixer Shaft   |
|   |  |  |  |
| Pneumatics  | Bitumen Transfer Pump   | Fuel Pump  | Filter Bag & Cages  |
|  |  |   | and<br>A to Z<br>Parts .....  |
| Pulse Valve & Timer Card  | Screw Conveyors   | Bucket Elevator Unit   |   |



# Drum Mix Plant

DM - 35, 45, 50, 60, 90

APOLLO // SPEED CRAFT // SOLID // ASHIRWAD // ATLAS // SHITLA  
DHURVI // DURGA & ALL INDIAN PLANTS



Conveyor Belt



Conveyor Roller



SMSR & Gear Box



DC Motor



Bitumen Tank Burner



Burner Spares



Dryer Burner



Drum Flights



Drum Ring & Segment



Drum Chain



Bearings



Power Pack



Bitumen Tank



Impeller



Burner Plate



Bitumen Pump



Sprocket



LDO / Fuel Pump



Panel



Panel Spares



Thermo Couples



H.T. Bolt & Nuts



Filler Rotary Value

and  
A to Z  
Parts .....



# Wet Mix Plant



WMM - 100, 160, 200 TPH

APOLLO // MAX MECH // SOLID // DHRUVI // ATLAS // SHITLA  
ONLINE // MARUTI & ALL INDIAN PLANTS



Mixer Paddle Arm & Bracket



Mixer Paddle Tips



Gear Box



Pugmill Gear



Bin Vibrator Motor



Water Meter



Pugmill Shaft



Pugmill Worm



Power Pack



Nylon Coupling



Conveyor Return Roller



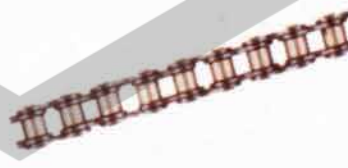
Pedestal Bearings



Control Panel



Panel Spares



Sprocket Chain



Conveyor Belt



Head Pulley



Tail Pulley



Gob Hopper Unit



H. T. Spring

and A to Z Parts .....



# Imported Asphalt Paver

**VOGELE // BITELLI // TITAN - ABG // I.R. // VOLVO // BELOW-KNOX  
DYNAPAC // MARINI // SANY // HUTONG // CAT**



Floor Plates



Filters



Screed Plates



Double Bush Conveyor Chain



Gear Motors, Seals



Chain Wheels



Bearing Cover



Bearing Cover, Seal Ring



Auger Shaft



Auger Flights



Tamper Bars & Heating Rods



Chain Guard



Pulleys



Wearing Park Kits - Screeds



Conveyor Drives



Auger Extensions



Bearing Brackets



Slope Controls



Grade Controls



Track Pad



Roller Chain



Hydraulic Pumps & Motors



Track Chain & Sprocket

and  
A to Z  
Parts .....



# Indian Asphalt & WMM Paver



## Sensor & Mechanical

**APOLLO // UNIPAVE // DHRUVI // SOLID // JAI KHODIYAR  
ASHIRWAD // SPEED CRAFT**

|  |   |  |   |
|--|---|--|---|
|    |    |    |    |
| Conveyor Chain   | Pan Plate   | Chain Guard  | Screed Plate  |
|   |    |    |    |
| All Types of Sprockets   | All Types of Gears  | All Types of Shaft   | Auger   |
|   |   |   |   |
| Sensor   | Hydraulic Cylinder & Kit  | Hydraulic Pump Motor   | Conveyor Drive Front & Rear Assly.  |
|  |  |  |  |
| Hydraulic Seals & Filters  | Planetary Gear Box & Spares   | Clutch Plate & Assembly  | Solid Tyres   |
|  |  |  |  |
| Paver Excel  | Hydraulic Oil Cooler  | Extension Screed Unit  | Screed Heating Accessories  |
|  |  |  | and<br>A to Z<br>Parts .....  |
| Clutch Plate   | Hydraulic Valves & Coils  | Gear Pump  |   |





# Asphalt Milling Machine

WRITGEN // DYNAPAC // BITELLI // CATTERPILLAR // CMI  
MARINI // ROADTEC // INGERSOLL-RAND // XCMG // SANY



Conveyor Belt



Track Pad



Tooth Holder



Cutting Tooth



Scraper Blades



Track Chain


# Vibratory Road Roller



**I.R. // L&T // BOMAG // DYNAPAC // HAMM // MAXMECH // JCB // CAT // VOLVO**

|   |   |  |   |
|---|---|--|---|
|  |  |  |  |
| Buffer Rubber   | Water Pump  | Water Spray Nozzel   | Accelerator Cable   |
|  |  |  |  |
| Filters   | Oil Seal & O Rings  | Bearings   | Gear, Shaft   |
|  |  |  | and<br>A to Z<br>Parts .....  |
| Hy. Solenoid & Coil   | Vibration Pump & Motor  | OTR Tyre   |   |

## Bitumen Sprayer

|   |   |  |   |
|---|---|--|---|
|  |  |  |  |
| Burner  | Bitumen Pump  | S.S. Hose  | Pressure Guage  |
|  |  |  |  |
| Techo Generator   | Spray Bar   | Spray Valve & Nozzel   | Pneumatic Cylinder & Kit  |
|  |  |  | and<br>A to Z<br>Parts .....  |
| Clutch Assembly & Plate   | V-Belts   | Engine & Spares  |   |





## New Products Released in 2010



Made of long-appraised rubber compound used in most of our characteristic track pads, this new member embraces both the advantages of chain-on and bolt-on pads, as the steel shoe bonded is pre-drilled to be directly used with out bolt-on track pad after the remaining of rubber is removed.



Conveyor Belt Rollers :  
Conveyor Belt Rollers help minimize the wear of the belt and are very easy to change.



Driver Roller :  
Conveyor Belt Drive Roller is made of exclusive rubber compound that ensures high durability, and the diamond-shaped profile that helps preventing asphalt from sticking to the roller.

## TYPES OF CYLINDERS

### BASED ON WORKING

#### SINGLE ACTING CYLINDER :

Gravity or spring return oil supply from one side.

#### DOUBLE ACTING CYLINDER :

Forward and reverse both side working.

#### CUSION & NON CUSION CYLINDER :

Mainly use to prevent end damaged cusion in require.

#### DIFFERENTIAL & NON DIFFERENTIAL CYLINDER :

- > Differential-both side area is different so speed and load capacity will be different in forward and reverse stroke.
- > Non Differential-both side area is same so speed and load capacity will be same in forward and reverse stroke.

### BASED ON CONSTRUCTION OF CYLINDER

#### WELDED CONSTRUCTION

#### TIE ROAD CONSTRUCTION

#### BOLTED CONSTRUCTION

### BASED ON DIFFERENT MOUNTED OF CYLINDER

#### CLEVIS MOUNTED

#### FRONT FLANGE MOUNTED

#### REAR FLANGE MOUNTED

#### FOOT & LUG MOUNTED

#### FOOT & LUG MOUNTED

#### TRUNION MOUNTED







### STANDARD CYLINDERS

Bore Range : 40 mm to 1000 mm

Rod Range : 16 mm to 800 mm

Stroke : up to 10000 mm

Pressure Range : up to 500 kg/cm<sup>2</sup>

### HEMM MACHINES

#### EXCAVATORS :

CAT : 320, 330

VOLVO : 140, 210, 290, 360

TATA HITACHI : Ex-60/70, Ex-100, Ex-200, Ex-210, Ex-400, Ex-600, Ex-1100, Ex-1200

ZEXIS : 110, 120, 2001

DEMAG : H-36/40, H-55, H-55 N

O & K : RH-30, RH-40, RH-75, RH-90

BEML : BE-200, BE-220, PC-650, PC-1000

L&T Kumastu : PC-130, PC-200, PC-300, PC-450

JCB : JS-130, JS-140, JS-200, JS-210

KOBELCO : 210

#### DUMPERS :

BEML : LW-35/LW-50, LW-120/LW-170, HD-785, 1035N, BH-35, BH-45 CAT : 773B

#### LOADERS :

HM-2021, 2021 Z BAR, HM-2071

#### DOZERS :

BEML : D-80, D-120, D-155, D-355 CAT : D6

#### HYDRAULIC JACKS :

100 Tonnes to 1000 Tonnes, Up to 1000 mm stroke.

#### PLANT SIDE CYLINDER :

Piston Accumulator

Crusher Cylinder

Roller Press Jack

Raw Mill Cylinder

Stracker Cylinder

Tripple Gate Hyd. Cyl.

Extractor Cylinder

Kelln Cylinder

Coal Mill Cylinder

Reclaimer Cylinder

Spring Out Cylinder

VRM Cylinder

### PRODUCTS RANGE

Custom Built Hydraulic Cylinders for O.E. manufacturers as per their design & specification suitable up to 500 kg/cm<sup>2</sup>.

Custom Built Hydraulic Cylinders for Spares requirement for actual users of the equipments deployed with various customer in mining sector like Coalfields and Cement Plants and Steel Plants.

Grease Cylinders, Heavy duty welded construction suitable up to 500 kg/cm<sup>2</sup> for track tensioning application.

Nitrogen Cylinders, Heavy duty welded construction suitable for various applications like shock absorbers, Cushions, Spring etc.

Hydraulic Jacks a compact design heavy duty welded construction Hydraulic Jack equipment / inter changeable with standard supplies available from various overseas suppliers.

Service Sector complete reconditioning of Hydraulics cylinders for various Earth moving equipment. Our Service Division is equipped with all facilities to assemble Test and Manufacture such big and heavy duty cylinders. Assembly Bench is large and vertical where we can assemble 4000 mm long and weighing 3 tonnes Cylinder in vertical condition.

Hydraulic Cylinder Seals being the users of various makes of seals, including Parker, Shanbhan, Hallites, Mercle, NOK, Smrith. We are in a position to offer standard Seal Kits for most of the earth moving equipments working in INDIA both indigenous as well as imported.







### Our Prestigious Development



**This** is a double acting hydraulic cylinder having oil on one side and nitrogen gas on other side, in statically balanced condition. The grinding pulsations are absorbed by movement of cylinder up or down against hydraulic oil.

As soon as movement takes place, it is compensated and reversed to its original position by nitrogen which is one the other side of the piston.



**This** is a front Suspension Cylinder developed by us for 170 M.T. Dresser Dumper, Having 13" Bore x 12" Rod with 22" Stroke, foot and lug mounted.

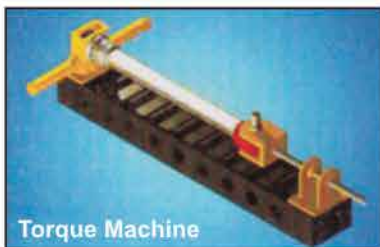
This Cylinder weights 3200 kg. and is filled with Hydraulic Oil on one side and charged with Nitrogen Gas at 120 Bar to work as a Suspension / shocker on Dumper.



**This** is a double acting hydraulic cylinder having oil on one side and nitrogen gas on other side, in statically balanced condition. The grinding pulsations are absorbed by movement of cylinder up or down against hydraulic oil.

As soon as movement takes place, it is compensated and reversed to its original position by nitrogen which is one the other side of the piston.

### Indigenous Development of Special Equipments



**To** tighten or to loosen rod nut on piston rod, we have developed this attachment, which works on principle of rack and pinion. The rack is attached to piston rod of 2 Hydraulic cylinder, which rotates the pinion to and from. A unit which can torque up to 12,000 kg mtrs.

Torque has been installed at our plant.

## LIST OF MACHINERY

### List of Machinery

1. VTL STANKO 2.75 MTR (Vertical Lathe)
2. VTL - SSE ITALY - 2.25 MTR (Vertical Lathe)
3. VTL - TOSS ESK - 12 (Vertical Lathe)
4. Boring Machine - TOS - 100
5. Boring Machine - TOS - 90
6. Precision Heavy Duty Lathe - 10 Nos.
7. Precision Heavy Duty Drill Machine - 3 inch
8. Universal Radial Drill P Parmar - 38 mm - 2 Nos.
9. Accurate welding rectifier with argon attachment - 2 Nos.
10. Hackshaw Cutting Machine - 10"
11. Hydraulic Test Bench - 500 kg/cm<sup>2</sup>
12. Hydraulic Press - 50 tonnes
13. Honing Machine - Bore up to 1000 mm, Length up to 5000 mm
14. Hydraulic Torque Machine
15. Portable Hardness Tester
16. Coating Thickness Gauge
17. Air Compressor
18. Over Head Crane - 10 tonnes
19. Over Head Crane - 5 tonnes
20. Over Head Crane - 2 tonnes
21. Surface Plate - 2200 x 700





## Rollers, Idlers, Sprockets and Segments



We offers a complete range of premium quality Rollers Idlers, Sprockets & Segments for Bulldozers, Excavators & Mini-Excavators for the following Earthmoving Equipment Brands: Caterpillar, Komastu, Hitachi, Flat-Hitachi.

Cast Idler groups are now manufactured for most Bulldozer and Excavator application using special heat treatment and hardness techniques on running surface to extend wear life.

Available as Idlers Shells or completely assembled with Heavy Duty Seal Groups, Shafts, Brackets and tensioning devices installed.



Sprockets and Sprockets Rims are made from cast steel and the external tooth profile is deep induction hardened in excess of Rockwell C 50 according to the specific working application of the product.

Three dimensional CAD design is used to eliminate stress points and to ensure perfect interchangeability with the original products.

Sprockets Segments are forged from selected steel and "through hardened" to provide extended wear life, even under the toughest working conditions.



## Track Chains

Cut section of an ITR Link showing the depth of Heat Treatment and hardness

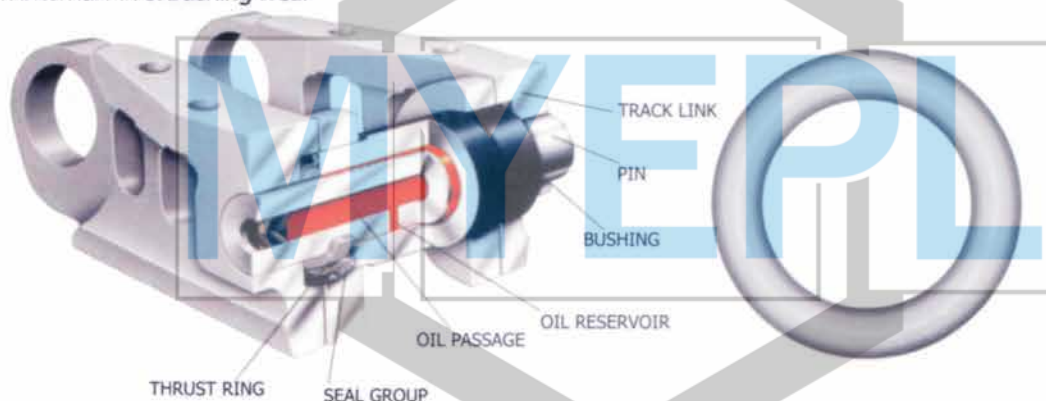


ITR Split Type Master Links



Dry, Greased & Sealed and Lubricated Chains are available for all popular Brands of Bulldozers, Excavators & other track mounted equipments.

Cut section of a Sealed And Lubricated Track link (S.A.L.T.) for minimum internal Pin & Bushing wear



Cut Sections showing the depth of heat treatment & hardness



- Features of Chains:
- Standard and Heavy Duty
- Excavator Chains are all Greased and fitted with Polyurethane seals.
- Boron Steel links for high wear resistance: longer life
- Lubricated Chains: computer control of seal installation & oil quantity. Every link is individually pressure tested.
- OE Style Split Links profiled by "State-of-the-art" laser technology.





## Rock Breaker Parts Division



## BREAKER PARTS

### Breaker Tools (Chisels)

We offers complete range of breaker tools for various applications. All tools are manufactured from top quality alloy steel material, machined and head treated to achieve excellent mechanical properties for various application in construction, mining, quarrying and demolition industries.



### Front Cover and Bush

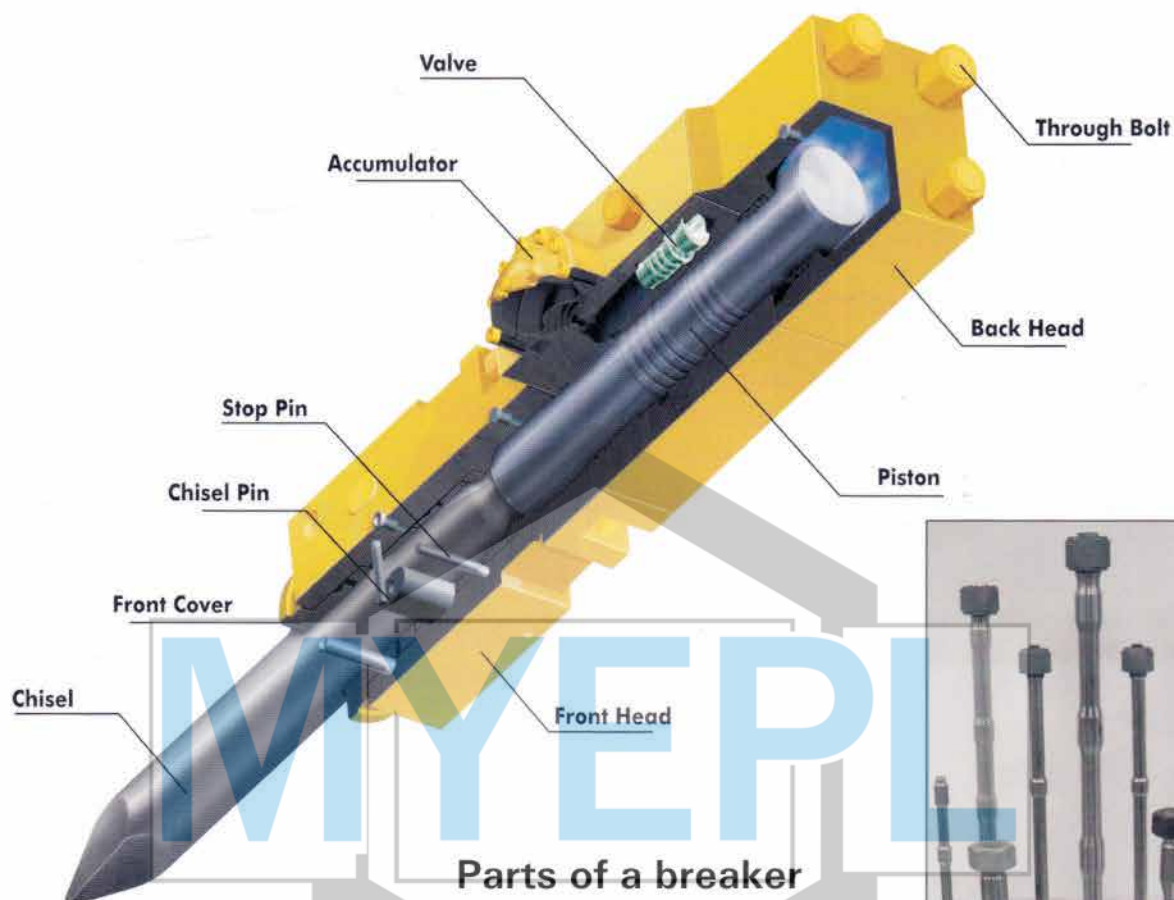
These parts are produce with the good wear resistance for smooth breaker tool operation.



### Diaphragm, Damper and Seal Kit

Made of special rubber for resting shock and vibration in operation.

## Brand Parts for Various Breakers



**Through Bolt, Side Bolt & Nut**  
Manufactured with precision  
and high tensile strength.



### **Piston, Front Head & Back Head**

Manufactured with processing methods including cutting, heat treatment & polishing



### **Chisel Pin, Stop Pin**

Both round & oval type available for all types of hammers. Manufactured with high grade steel to provide improved strength to tool and front head.







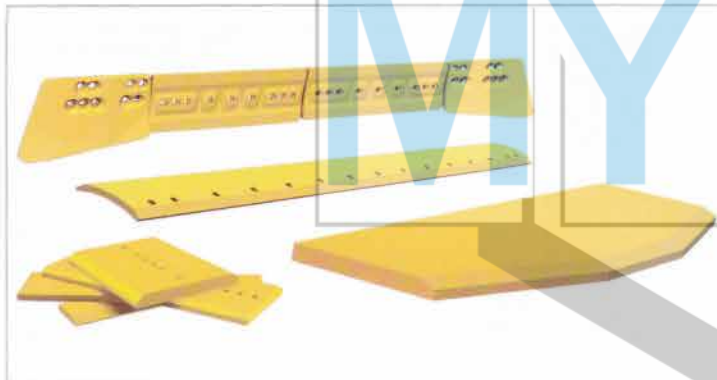
## Teeth and Adapters

Direct Replaceable Part (DRP) suitable for most popular makes and models of earthmoving, mining and construction equipment. These DRPs are directly interchangeable with OEM Teeth / Adapters / Locks / etc.

**Our Classic Range Signifies Shape & Size Similar to the OEMs**



## Cutting edges and end bits in quality 250, 400, 450 and 500 HB



Graph showing how the Wear life varies drastically by a marginal difference in steel Hardness.

Cutting edges & Blades available in different varieties:

- Standard size
- Extra Wide
- Extra Thick
- Extra Hard Steel

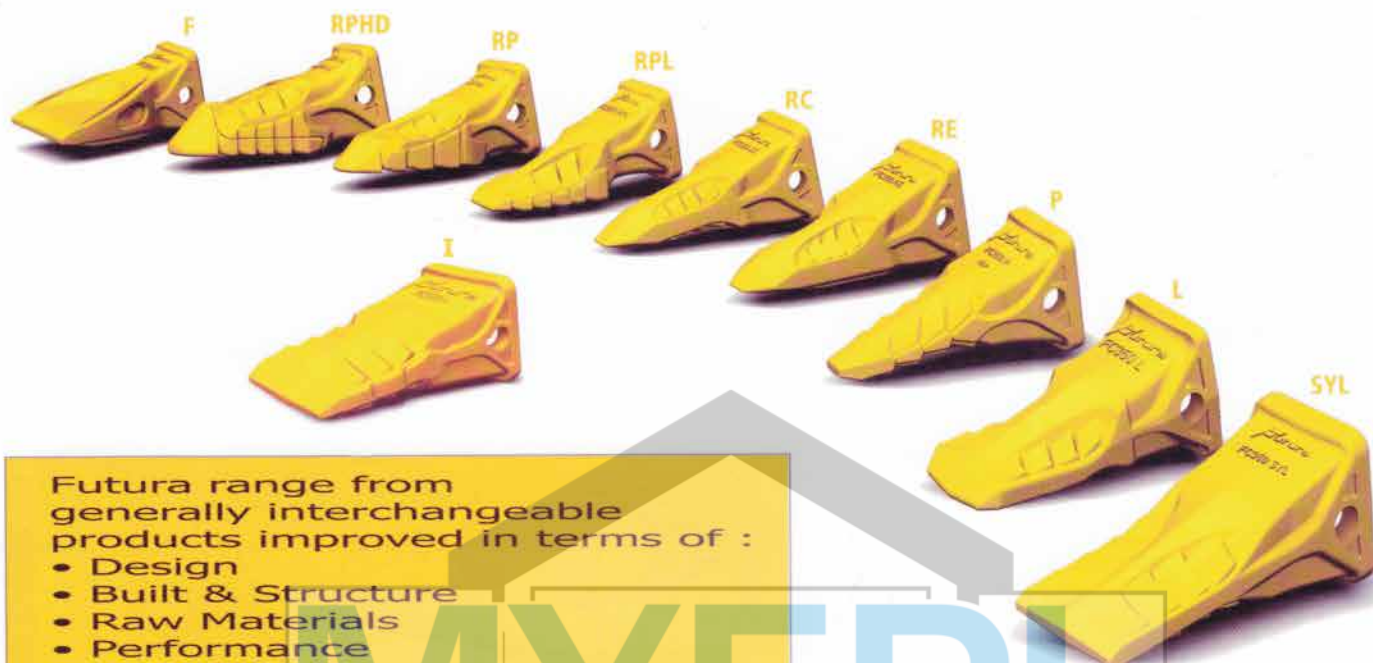


|                        | steel 250HB          | steel 400HB           | steel 450HB           | steel 500HB           | steel IMPACT         |
|------------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| Hardness, Brinell HB   | 200-240HB            | 360-440HB             | 425-475HB             | 450-560HB             | 310-370HB            |
| Thicknesses            | 0,5" - 1,2"          | 0,2" - 2,4"           | 0,6" - 2,4"           | 0,6" - 2,4"           | 1,6" - 4,7"          |
| Impact strength        | -                    | 30J                   | 35J                   | 25J                   | 95J                  |
| Yield strength $R_e$   | 760N/mm <sup>2</sup> | 1000N/mm <sup>2</sup> | 1200N/mm <sup>2</sup> | 1300N/mm <sup>2</sup> | 950N/mm <sup>2</sup> |
| Tensile strength $R_m$ | 430N/mm <sup>2</sup> | 1250N/mm <sup>2</sup> | 1400N/mm <sup>2</sup> | 1550N/mm <sup>2</sup> | 980N/mm <sup>2</sup> |
| Elongation A5          | 18%                  | 10%                   | 10%                   | 8%                    | 16%                  |
| Carbon equivalent V.   | 0,60                 | 0,38                  | 0,48                  | 0,58                  | 0,55-0,64            |





## High Performance & Futuristic design Teeth/Adapters from B/G



Futura range from generally interchangeable products improved in terms of :

- Design
- Built & Structure
- Raw Materials
- Performance

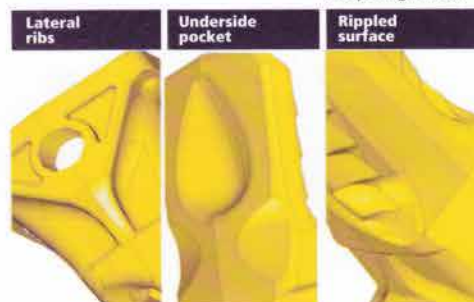
## Proven performance teeth and adapters

### Design features

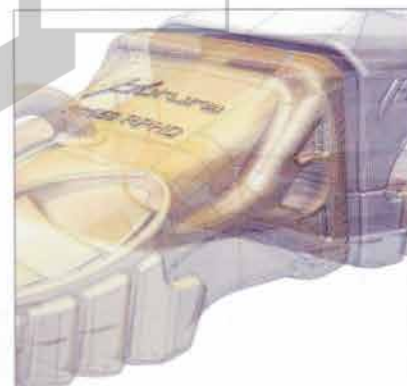
Lateral ribs:  
Reinforced box  
and pin  
protection✓

Maintains tooth  
point sharpness  
without comprising  
point integrity✓

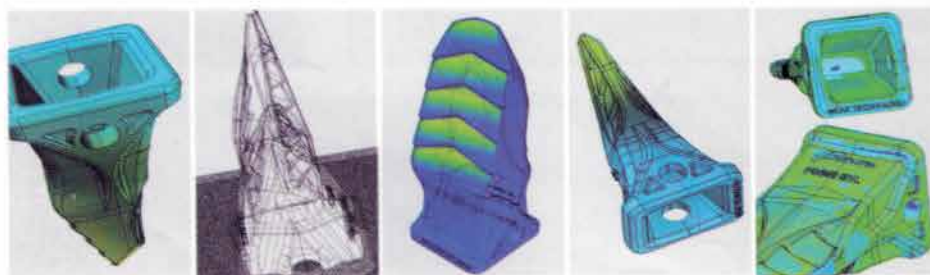
Optimized  
penetration  
and material flow.  
Improves self-  
sharpening effect✓



FUTURA teeth are generally heavier than other competitors teeth in the same category size and models. The extra weight has been added in key areas where the tooth is more vulnerable to wear. ✓



Futura Hammerless system  
Increased safety compared to  
standard pin/washer systems✓  
Fully compatible with OEM  
and OEM adapters ✓



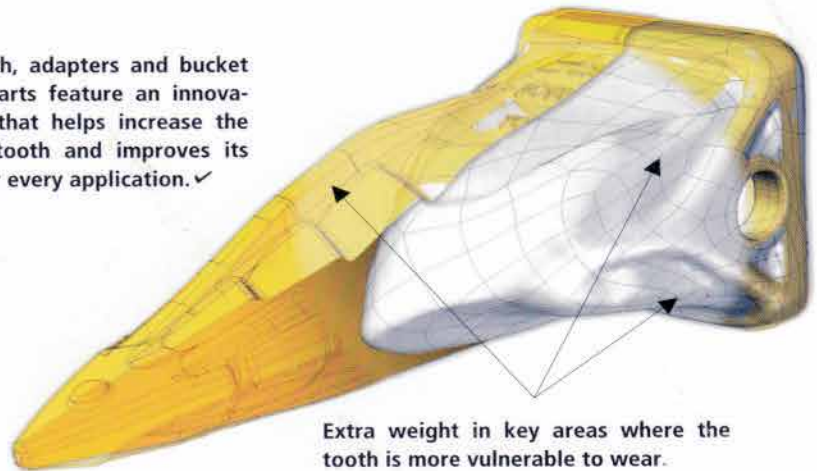




worn teeth compared to new ones. Thanks to its optimal design more than 89% of steel has been used without losing teeth sharpness. ✓



teeth, adapters and bucket protection parts feature an innovative design that helps increase the life of the tooth and improves its efficiency for every application. ✓



Extra weight in key areas where the tooth is more vulnerable to wear.

**Teeth are available in different shapes ✓**

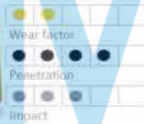
**All fit the same adapters using the same locks & pins ✓**

**A specific design for each application ✓**

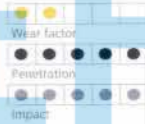
Long



Penetration



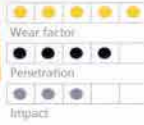
Impact



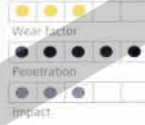
Flare



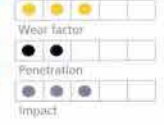
Rock Penetration HD



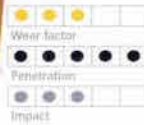
Tiger Long



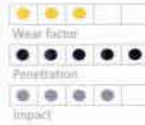
Rock Penetration Light



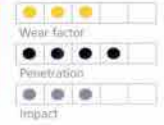
Twin Tiger



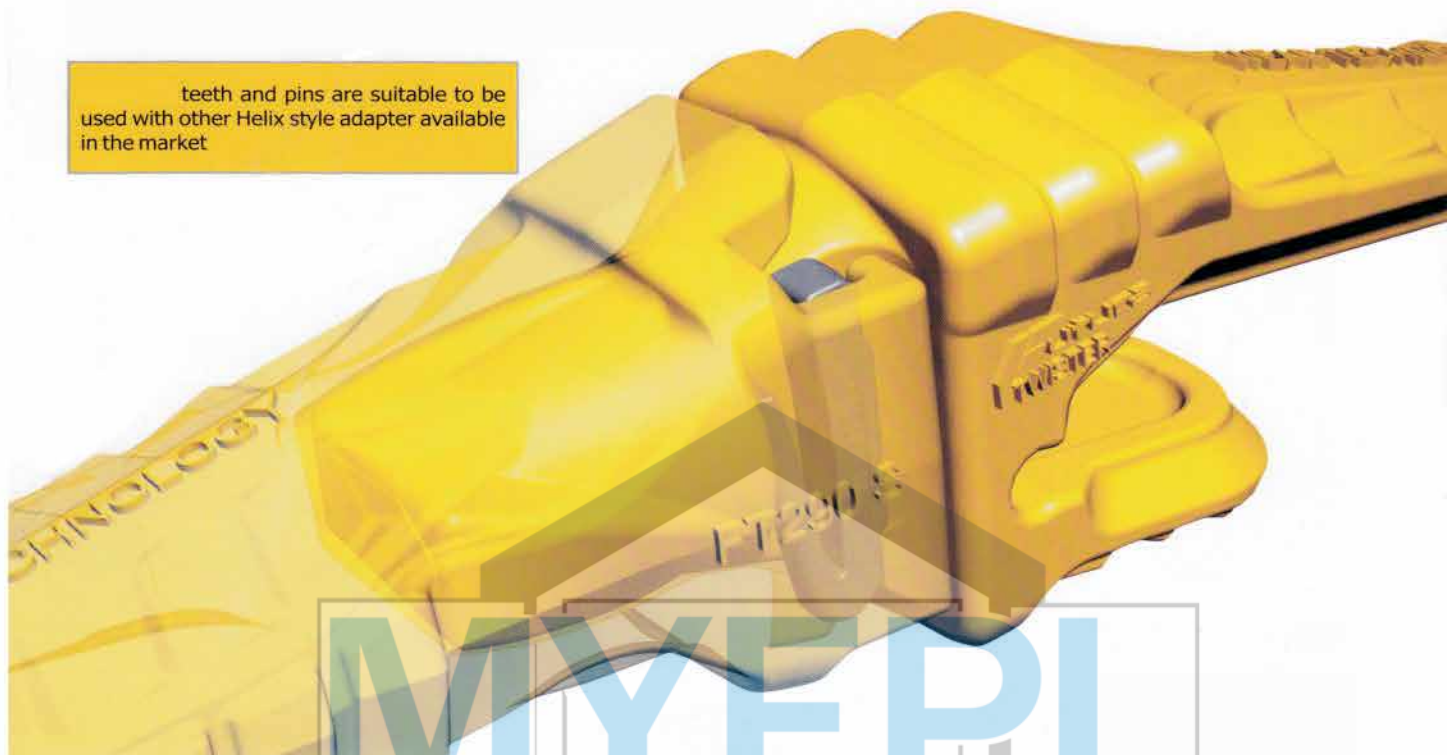
Rock Exploder



Rock Chisel



teeth and pins are suitable to be used with other Helix style adapter available in the market



## Helix Style System

Complete system featuring teeth, adapters and pins ✓

Variety of designs to suit common and heavy duty excavator or loader applications ✓

Sizes from 130 to 810 ✓

### TWISTER Sizes

| 130                | 170 | 190 | 230 | 290          | 330 | 390 | 430 | 510                | 590 | 610    | 690 | 710 | 810 |
|--------------------|-----|-----|-----|--------------|-----|-----|-----|--------------------|-----|--------|-----|-----|-----|
| Light Construction |     |     |     | Construction |     |     |     | Heavy Construction |     | Mining |     |     |     |

### Guide to part sizes by machine breakout force (tons)

|          | 130 | 170 | 190  | 230  | 290  | 330  | 390  | 430  | 510  | 590  | 610  | 690   | 710   | 810   |
|----------|-----|-----|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Standard | 5,7 | 8,6 | 11,4 | 16,5 | 24,5 | 32,2 | 39,4 | 48,5 | 58,2 | 70,5 | 88,6 | 110,2 | 131,6 |       |
| HD       | 4,6 | 6,8 | 8,7  | 12,8 | 19,2 | 24,5 | 31,8 | 39,2 | 48,4 | 58,2 | 70,2 | 88,6  | 110,2 |       |
| ST/HD    | 3,4 | 5,3 | 6,8  | 9,8  | 13,2 | 16,8 | 21,5 | 26,5 | 31,1 | 38,4 | 48,2 | 63,6  | 76,1  | 97,4  |
| Extra HD | 2,9 | 4,2 | 5,6  | 7,8  | 10,4 | 13,2 | 17,2 | 21,5 | 26,5 | 31,2 | 38,4 | 49,2  | 60,2  | 76,0  |
| ST/HD    |     |     |      |      |      |      |      |      | 36,4 | 45,3 | 56,2 | 70,2  | 86,5  | 110,5 |
| Extra HD |     |     |      |      |      |      |      |      | 31,0 | 36,5 | 45,2 | 58,9  | 70,4  | 90,2  |



Futura TWISTER Teeth can fit well on existing helix style adapters.



Helix style Teeth can fit well on Futura TWISTER Adapters.

Other manufacturer's names, descriptions, pictures and part numbers are used for reference purposes only.





## A Full Line of Quality Positive Displacement Pumps

### Application Capability of Flojet Product Range

|                               |                  |
|-------------------------------|------------------|
| Maximum Flow                  | 26 litres/minute |
| Maximum Fluid Viscosity       | 750 cP           |
| Temperature of Fluids         | 0 to 60° C       |
| Maximum Differential Pressure | 0 to 7 bar       |

Flojet Diaphragm pumps are manufactured with a range of elastomers selected for their chemical compatibility

- Santoprene®      ■ Geolast
- EPDM             ■ Viton® Viton is a registered trademark of DuPont Dow Elastomers
- Buna

### The Principle Behind Positive Displacement Diaphragm Pumps

#### Motor Driven



Self-priming design allows pumps to create suction to draw fluid into pump without manual priming.

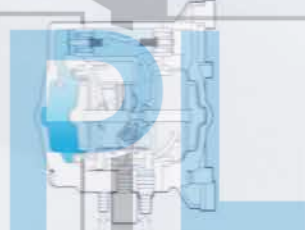


Fluid enters inlet port and is drawn through inlet check valve when piston moves away from the check valve.

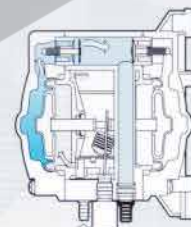


As piston moves toward the check valve assembly, the fluid is forced through the outlet check valve and out of the pump.

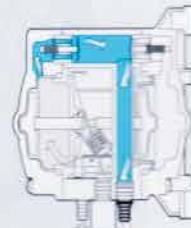
#### Air Driven



Air pressure directed by the stall-proof shuttle valve pulls the left diaphragm to create suction for the fluid being pumped.



Pressurised air is redirected behind the left diaphragm, causing a discharge stroke, forcing the fluid out. At the same time the right diaphragm draws in more fluid.



Air is redirected to the right side by the shuttle valve as it repeats the above cycle; forcing fluid out at the right diaphragm and drawing fluid in at the left.

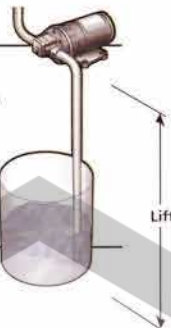
## Features and Benefits

### Expect Only the Best

With over 25 years of pump design and manufacturing experience, Flojet is committed to delivering the hardest working, longest lasting pumps. No matter the application, Flojet can provide a superior pump to match all your requirements.

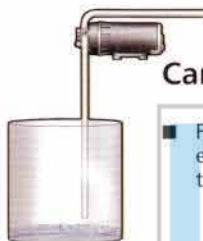
### Self-Priming Even When Dry

- Dry vertical lift from 0.75 metres up to an outstanding 8.5 metres



### Can Run Dry Without Damage

- Flojet Diaphragm pumps can run dry for extended periods with no damage even when the liquid supply is exhausted



### Compact Size and Lightweight

- Easy to install
- Highest flow rates for their size
- Plug-in ports for easy installation
- Flojet pumps mount easily anywhere with functional mounting platforms and simple connections - fit it anywhere and plumb it up

### Easy, Low-Cost & Convenient Servicing

- Modular design
- Low cost, low maintenance design means a trouble-free service life
- Spare parts and accessories are readily available and easy to install



### Compact and Lightweight Air Operated Pumps

Small in size, big on performance and value

- Self-priming
- Stall free
- Seal-less
- Demand controlled
- Can run dry without damage to pump



### Motor Driven Pumps

The ultimate versatility in a heavy duty pump

- Permanent magnet motors and heavy duty ball bearings for the offset cam assembly that moves the reciprocating piston plate
- Optional pressure-actuated switch to provide on-demand switch or bypass for transfer or recirculating applications
- External bypass systems are perfect for applications with closed or partially closed discharge lines



### Solenoid Pumps

Dependable and efficient

- Self-priming
- Double insulated
- Low Amp draw for cool operation
- Deliver fluids up to 90 litres/hour with pressures from 0 to 60 bar





## Applications

Flojet offers a comprehensive selection of pumps and accessories for applications across a wide range of industries:

Agricultural Spray

Pest Control

Floor Care Equipment

Road Construction Equipment

Street Sweepers

Photographic Processing

Commercial Printing Machines

Medical Equipment

Water Purification

Automotive Service

Car Wash

Chemical Dispensing

Mixing

Dosing

Metering

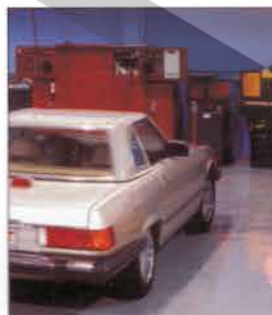
Filtration



Medical  
Equipment  
Pumps



Floor Care  
Equipment  
Pumps



Industrial  
Coolant and Lubricant  
Pumps



Agriculture  
Sprayer Pumps



Car Wash Foam, Soap  
and Chemical Pumps

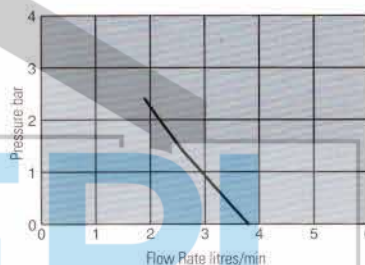
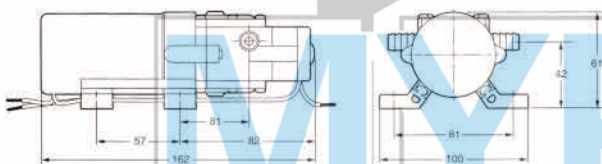
## FLOJET

## Electric Diaphragm Pumps

### Flojet LF Low Flow Pump

|                             |                                       |
|-----------------------------|---------------------------------------|
| Maximum Flow:               | 3.8 litres/min                        |
| Maximum Discharge Pressure: | 2.4 bar                               |
| Self-Priming:               | 0.75 metres                           |
| Voltage:                    | 12 and 24V DC Permanent-Magnet Motors |
| Temperature Range:          | 0 to 43°C                             |

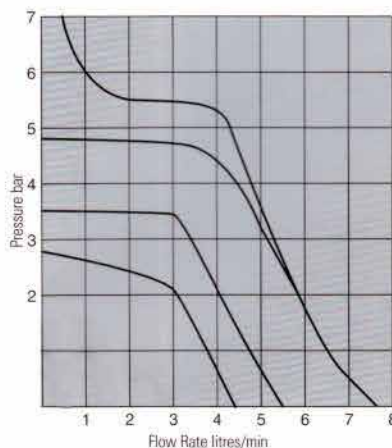
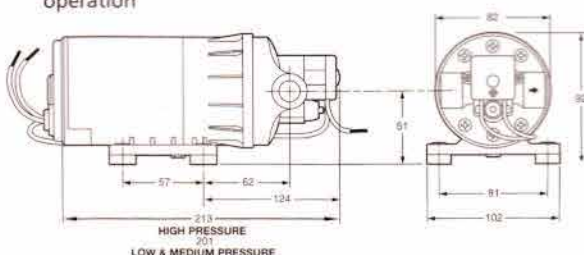
- Ultra compact two-chamber pumps deliver superior flow and pressure
- Low amp draw, perfect for battery powered applications
- Chemical-resistant polypropylene pump head for long pump life
- Built-in thermal protector for trouble-free operation
- Optional pressure-switch control, on/off switch and in-line fuse
- Choice of elastomer materials



### Flojet Duplex II Pump

|   |  |
|---|--|
| Maximum Flow:                                       | 8.3 litres/min                             |
| Maximum Discharge Pressure:                         | 7 bar                                      |
| Self-Priming:                                       | Minimum 2.4 metres                         |
| Voltage:  | 12, 24 and 36V DC, 115V and 230V AC Motors |
| Temperature Range:                                  | 0 to 60°C                                  |
| Handles Water-like and Viscous Liquids up to 250 cP |  |

- Chemical-resistant polypropylene pump head for long life
- Latest technology internal check-valves for reliable self-priming
- Choice of elastomers for maximum chemical compatibility
- Internal bypass for excellent performance range
- Optional pressure-switch control to run the pump only as needed
- Available with long running heavy duty motor with built-in thermal overload
- Available with commercial-duty DC motor for continuous operation





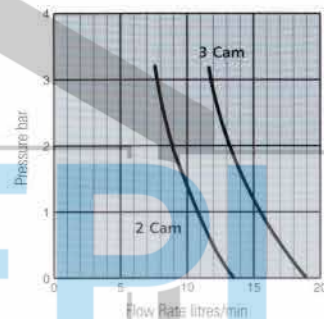
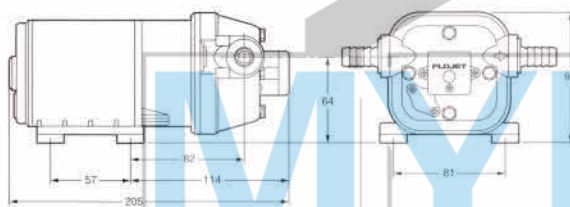


## Electric Diaphragm Pumps cont.

### Flojet Quad Pump

|   |               |
|---|---------------|
| Maximum Flow:                                       | 19 litres/min |
| Maximum Discharge Pressure:                         | 3.2 bar       |
| Self-Priming:                                       | 2.4 metres    |
| Temperature Range:                                  | up to 54°C    |
| Handles Water-Like and Viscous Liquids up to 250 cP |               |

- Four-piston design delivers higher flow rates
- Chemical-resistant polypropylene pump head for long life
- Choice of elastomeric materials to work with many chemicals
- Quick-connect plug-in ports for easy installation
- Optional pressure-switch control to run the pump only as needed

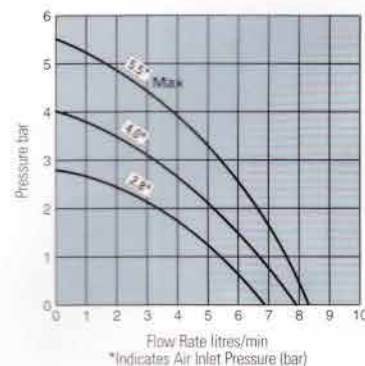
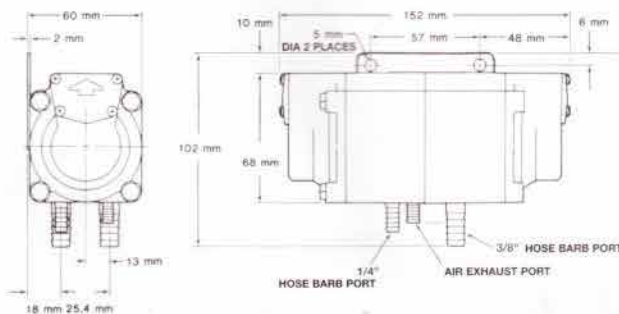


## Air Operated Diaphragm Pumps

### Flojet 5100 Air Operated Pump

|   |                  |
|---|------------------|
| Maximum Flow:                                       | 7.6 litres/min   |
| Maximum Discharge Pressure:                         | 5.5 bar          |
| Self-Priming:                                       | up to 8.5 metres |
| Temperature Range:                                  | to 50°C          |
| Handles Water-Like and Viscous Liquids up to 250 cP |                  |

- Variable capacity from zero to maximum flow
- No risk of electric shock
- No pressure relief or by-pass valve required
- Variety of elastomers for valves and diaphragms available

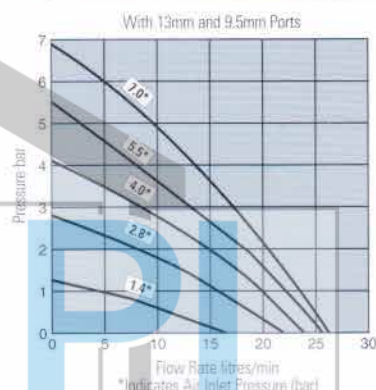
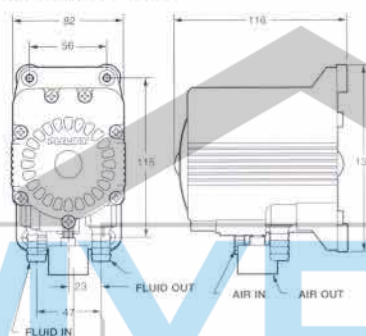


## Air Operated Diaphragm Pumps cont.

### Flojet G57 Pumps

|   |                  |
|---|------------------|
| Maximum Flow:                                       | 26.5 litres/min  |
| Maximum Discharge pressure:                         | 7 bar            |
| Self-Priming:                                       | up to 4.5 metres |
| Temperature Range:                                  | up to 50°C       |
| Handles Water-like and Viscous Liquids up to 750 CP |                  |

- Highest flow rates for any air-driven pump of comparable size
- Stall-proof design with patented shuttle valve
- Quick disconnect parts for easy installation
- Sanitary design with insert moulded diaphragm
- Leak resistant radial seals



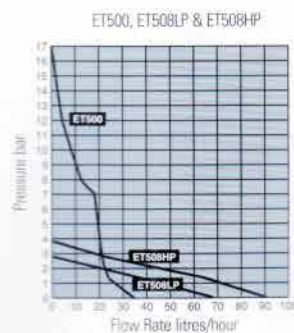
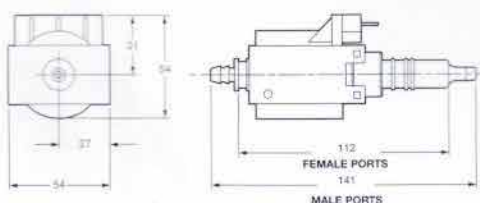
## Electric Solenoid Pumps

### Flojet Solenoid Pumps

|                             |  |
|-----------------------------|--|
| Maximum Flow:               | 90 litres/hr   |
| Maximum Discharge Pressure: | 16 bar   |
| Voltage:                    | Standard, 115V/60Hz and 230V/50Hz<br>Other Voltages Available Upon Request |
| Temperature Range:          | up to 80°C   |

- Self-Priming
- Double insulated
- Low amp draw
- Handles a broad range of liquids
- Ultra compact
- 1000 hours of continuous or intermittent use

#### 508/500 Series







Auger Blades



Beam



Bearing housing



Bend with clamp



Bracket



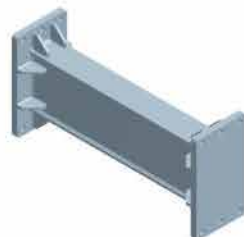
Bracket



Breaker Flat



Cover



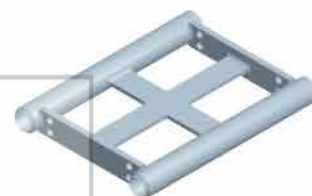
Extension beam



Flange



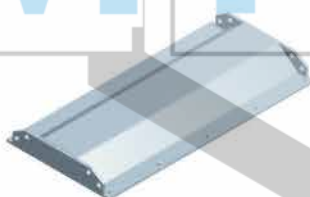
Hanger



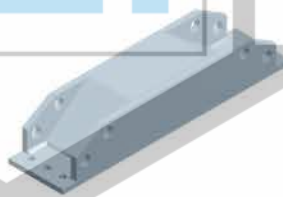
Hanger



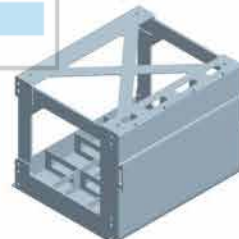
Hanger



metering gate



metering gate



mould



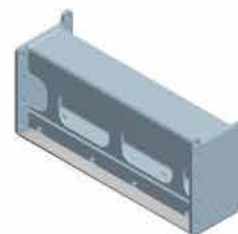
mould



Mould



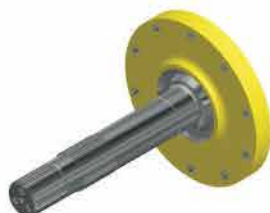
oscillating beam



Oscillating beam



screed plate



spline shaft



sprocket



sprocket



PLOT NO. 3707/5747. MAUJA  
PRATAPSASAN. PO-BALAKATI (KHURDA) BHUWNESHWAR-752100  
Contact No. : 9437567646, 8658713949, 8895695889  
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