

50
Golden Years

BAGSON®

Diesel Engine Parts

www.bagsonfoundries.com



PROFILE

Bagson Foundries is one of the leading companies in spares parts market for manufacturing spares of stationary diesel engine for Kirloskar and Lister type engine. Our company has established a track record of leadership over 40 years. With a dynamic product portfolio, Advanced Technology, State of the art infrastructure and motivated team of Talented People. The Quality standards in Bagson are being maintained with precision and accuracy that is why our products are accepted and appreciated to domestic and international markets including middle east countries like Egypt, Iraq, Iran, Syria and Nigeria. Bagson foundries has become supplier of preferred choice to customers in Diesel engine spares market. Understanding the global nature of business and need to provide quality to our customers. At Bagson Foundries, growth is the natural outcome of total adherence to Five core principles:

- a) Innovation
- b) Customer Orientation
- c) Total Quality
- d) On time delivery
- e) Ethical Business practices

The product range consists of Graded Casting for Stationary Diesel engine

spares for Kirloskar, Lister and Comet type. It includes Cam and Crank Gear for AV1, AV2, TV1, TV2 and Comet, Cam Shaft (8H.P / 10H.P) and Governor Weight for Lister and Kirloskar type Engine. We also manufacture Idler Gear for Lister type and Lubricating Oil Pump for Kirloskar type engine. Over the years, Bagson has acquired Cutting Edge technological Competencies in Casting and Close tolerance machining. We have latest technology C.N.C Machine tool (Turning Lathe) with us which assures supreme quality of our products. We also have well established Laboratory for Chemical and sand testing along with microstructural analysis of various Casting. Our manufacturing facility is constantly striving for opportunities in design and development of new components and for better technology for existing product line.

Quality and On time delivery is the major constituent for us to ensure complete satisfaction of our clients therefore we closely monitor and control the quality of products, when they are manufactured and when they are delivered. The basic selection of the goods is done by following various standard parameters

which results in our products quality. Being high in performance, our products are made with precision for smooth operation which ensures increased lifespan of stationary diesel engines. The demand for our products has increased following the promising market trends for better-quality and long lasting products.

The spirit of Bagson lies in its skilled and dedicated team with positive attitude, who put all their efforts in delivering best quality products to the customers. The only accomplishment we acknowledge is complete customer satisfaction. We consider that time is expensive, so we offer on time delivery of products. When make promise, we work fluently to deliver demanded products to our customers. For our honesty and transparency in business, we have acquired accolade in the market. We value our business partners, suppliers and we believe in developing and maintaining healthy long term relationships with them. Most importantly, we value our employees. Because employees are the most valuable assets for an organization.

WHY US

- Availability of More than 60000 (Existing) +40000 (Upcoming) Sq. Feet of Floor Space for Development
- Renowned for its Quality & Manufacturing Excellence in **Graded C.I, S.G Iron and Steel (EN 32B)** and Other Steel Grade Products

Foundry & Machining Unit

- Various Automatic and Semi Automatic Machine Tools for Improved Quality & Productivity
- Dynamic Product Portfolio
- Nationwide Presence

Foundry Unit	Machining Unit
<ul style="list-style-type: none">● State of the art infrastructure● In-house Sand Testing, Chemical Analysis and Microstructure Laboratory● Total Quality Management Practices in Foundry● Kaizen, Lean Manufacturing● Capable of Molasses Sand & Green Sand Molding	<ul style="list-style-type: none">● Latest Hi-Tech Tools C.N.C, Gear Shapers and Gear Shavers for Better Precision and Accuracy● Total Quality and Lean Management Practices for Improved quality and Productivity● Dedicated Team of Experts for Product Design and Development

WHY US

Q

uality

Our Company is renowned for its **quality products**. We are market leader in Diesel engine spares (Replacement Market)

C

ost

We can provide you products at very **competitive costs** as we have achieved low internal casting & machining rejections with stringent quality standards.

D

elivery

We have integrated production planning system, which helps in **timely delivery** of products.

M

anagement

We have effective **management** structure in place, which helps in smooth operations & adopting better practices.

S

afety

Our company has dedicated **safety** policy to ensure negligible shop-floor accidents, which helps in achieving uninterrupted supply to customers

Product Description for Catalogue

Diesel Engine Spares

With a formidable experience of more than fifty years, we at **BAGSON FOUNDRIES** take pride in expressing our immense pleasure on being a pioneer in the field of delivering superior & qualitative Diesel Engine Spares which are mainly :

- **KIRLOSKAR TYPE ENGINE**
- **LISTER TYPE ENGINE**
- **COMET TYPE ENGINE**



CAM GEAR C.I. (Kir. Type)

We make nation's best Cam Gear for Kir. type Engines. These Gears are engineered with precision and accuracy for delivering ultimate performance. In order to ensure this we have adapted standardized quality checks. We also have complete infrastructure for Sand, Chemical and Micro-structural Analysis of the product which assures total quality products.

Special Features:

- Used in Kirloskar Type Engines for 8 H.P & 10 H.P Engines
- Manufacturing Process : Casting
- Made From **Graded C.I**
- Standardized Quality Checks assures conformance to accepted standards

CAM GEAR STEEL (Kir. Type)

Being one of the reputed companies, we manufacture and supply a wide range of Cam Gears. At every single step of production these products are stringently inspected and are properly authenticated for efficient operation of the product. These are well designed and tested by the expert engineers and talented workers of the firm.

Special Features:

- Used in Kirloskar Engine for 8 H.P & 10 H.P Engines
- Made on Drummond (U.K) Gear Shapers and Gear Profile maintained on Imported Gear Shavers
- Made From **Graded S.G Iron** for Improved Performance
- Manufacturing Process: Casting





CRANK GEAR (Kir. Type)

We are engaged in manufacturing a variety of Crank Gears. We also have standardized inspection and quality checks in order to assure accurate meshing of Gears to deliver consistent performance. This Product is casted with special Inoculants for Improved Durability, Smooth and Silent operation, Long Lasting Life & Resistance to corrosion.

Special Features:

- Manufacturing Process : Casting
- Variants Available in
Graded C. Iron
Graded S.G Iron

CAM SHAFT (New Type)

We are one of the prime organizations that manufacture and export a wide range of Cam Shafts. These are forged from Graded Steel (EN 32B) which provides the product with better microstructure and chemical composition. We have special cylindrical grinding machines which enable us to maintain required dimensional accuracy. We have arrangement for a specialized Heat Treatment process, for Better performance and improved life cycle of the product.

Special Features:

- Availability of Wide Range of Cam Shafts with high degree of
- Surface Finish, Accuracy and Precision
- Specialized jigs and Fixtures for better improved quality and inspection.
- Being Used for Single Cylinder Diesel Engine.
- Manufacturing Process: Forging and H.T.
- Material : Graded Steel (EN 32B)



CAM SHAFT (Old Type)

It is another variant in the cam shafts. It is also being widely in Kirloskar type Engines. This shaft is designed with a bush So, no special bushing is required. It is also forged from Graded Steel EN32B which provides a better micro structure and chemical composition for Improved Performance and improved product life.

Special Features :

- Made on Advanced Cylindrical Grinding Machine Tools for Improved Accuracy and Surface Finish.
- Availability of a wide range of Inspection and testing Infrastructure for better Quality Control
- Manufacturing Process: Forging and H.T.



LUBRICATING OIL PUMP (Single Ball)

We make country's best Lubricating Oil Pumps for as our pumps are made from Graded C.I and The Pumps are made on Hi-Tech C.N.C Machines improved performance and better Precision and Accuracy. These pumps are made to be used with any type of Lubricating Oil. We have specialized set of Pressure and Alignment Fixtures and team of Inspection Experts, which assures Total Quality Products.



Special Features

- High Pressure for Better Lubrication and extended Engine life cycle
- Made on C.N.C Machines for Improved Dimensional Accuracy and Surface Finish
- Availability of Specialized Jigs & Fixtures and other inspection Instruments in order to assure total quality
- Availability of Various Sizes Ranging from **Std to .50** depending upon the requirement
- Better Design and Grade for enhanced performance

LUBRICATING OIL PUMP (Double Ball)

We have a wide range of L.O.P (Double Ball). These pumps designed with two balls instead of one for improved pressure. So these pumps are used in the engine where the Lubrication is done with high pressure. It is made on Hi- Tech C.N.C Machine for improved performance and better Precision and Accuracy.

Special Features:

- High Pressure for Better Lubrication and extended Engine life cycle
- Made on C.N.C Machines for Improved Dimensional Accuracy and Surface Finish
- Availability of Specialized Jigs & Fixtures and other inspection Instruments in order to assure total quality
- Availability of Various Sizes Ranging from Std to .50 depending upon the requirement
- Better Design and Grade for enhanced performance



LUBRICATING OIL PUMP TV-1

This pump is one the latest additions in our product portfolio. It is being used for TV1/SV1 Gear type Engines. It is manufactured on Hi-tech Coping machines for better precision and accuracy. The Gears in the pump are processed with a Gear Shaver which assures a uniform profile of Gears. This pump is the best in its class when it comes to Performance (Pressure), Reliability (Long Lasting) and Dimensional accuracy.

Special Features:

- Made from Graded C.I (Body) and Graded Steel (Internal Gears) for Extended Life
- Specialized Fixtures to evaluate its performance at varied temperatures
- Standardized Quality Control and Inspection Procedure

GOVERNOR WEIGHT (Kir. Type)

We also make Governor weight for 8 H.P & 10 H.P Engines. These weights are made with from Graded C.I and recognized for its dimensional accuracy. We have a number of machine tools available with us for improved quality and better surface finish.



CAM BUSHES (Kir. Type)

We are engaged in manufacturing various types of cam bushes, these bushes are manufactured from Graded C.I. for its extended life cycle.

Special Features :

- Material : Graded C.I
- Variants : Cam Bush Single Piece
Cam Bush-Two Piece

CAM SHAFT COMPLETE (Kir. Type)

It is one of the latest additions in our Cam shaft assembly portfolio for Kirloskar type Engines. It consists of Cam Gear Kir., Cam Shaft N.T or O.T as per requirement, Cam Bush, Set of Governor Weights, Push Rod, Governor Spring etc. and since we manufacture most of its component in house, we know and understand every detail and specification of assembly, we also do various type testing in order assure its optimum performance.

Special Features :

- Ready to be used assembled in 8 H.P. or 10 H.P. Kirloskar Type Engine
- Developed (made and assembled) in-house for Optimum efficiency and enhanced performance
- Standardized checking and inspection procedure for a total quality product.



CAM SHAFT COMPLETE (Lister Type)

We are the prime manufacturer of Cam Shaft for Lister Type Engine in North Region. It is being used in 8 H.P. & 10 H.P Lister Type Engines. Every Component of cam shaft is processed and developed in house only in order to assure quality. We have modern infrastructure, Hi-Tech machines and infrastructure facilities in order to cater to the need of our customers. It is one the best cam shafts available in the market with ultimate performance, improved quality, and better surface finish and graded material.

Special Features :

- Assembled Inhouse with Precision and Accuracy for Smooth Operation and Extended Engine Life
- Made on special Center-less Grinders in order to attain desired surface finish
- Variants Available: For 8 H.P. and 10 H.P. Lister Type Engine
- Material : Graded Steel (Shaft and Cams) & Graded C.I (Cam Gear & Gov. Wt. Lister)
- Packaging : Available in Box Packed (for Extra Safety) and Poly-packed (Economic Packaging)



CAM SHAFT COMPLETE F/M

We also make Cam shaft F/M type it is being used in Field Marshall type engines. We are renowned for our manufacturing excellence in manufacturing various types of Cam shafts for various types of engines. It is one the best cam shafts available in the market with ultimate performance, improved quality, and better surface finish and graded material.

Special Features :

- Assembled Inhouse with Precision and Accuracy for Smooth Operation and Extended Engine Life
- Made on special Center-less Grinders in order to attain desired surface finish
- Variants Available: For 8 H.P. and 10 H.P. F/M Type Engine
- Material: Graded Steel (Shaft and Cams) & Graded C.I (Cam Gear & Gov. Wt. Lister)
- Packaging : Available in Box Packed (for Extra Safety) and Poly-packed (Economic Packaging)

CAM SHAFT BARE

It is the shaft which is available without cams. Proper Inspection and checking is done when it comes to the dimensional accuracy and surface finish.

Special Features:

- Variants Available : For Lister & Field Marshall Type
- Material: Graded Steel



CAM GEAR (Lister Type)

We are one of the leading manufacturers in the region when it comes to Cam Gears. It is made on advanced Gear Hobbing Machines for Accurate & Precision and dimensional accuracy. We have established a standardized inspection procedure to ensure quality products

Special Features:

- Use of Special Inoculants and Additives for extended life, Better hardness and improved surface finish
- Manufacturing Process: Casting
- Material: Graded C.I
- Packaging: Available in Box Packed and Poly-packed type packaging



IDLER GEAR (Lister Type)

It is being used in Lister type engine. It is also known as timing gear. It is made on Hi Tech Hobbing Machines for Accurate Gear Cutting. We have proper checking and inspection at every stage of the process in order to assure total quality product.

Special Features:

- Made on Hi Speed Grinders for Better appearance and improved surface finish
- Available in attractive Box Packaging and Polypack Packaging as per customer's requirements
- Material: Graded C.I





GOVERNOR WEIGHT (Lister Type)

We also make Governor Weight for Lister Type engines. We have a number of checking instruments available with us to ensure safe and smooth operation of the engine. We also ensure that the weight and dimensional accuracy of the product is as per the standard

Special Features:

- Variants Available : For 8 H.P. & 10 H.P. Lister Type Engines
- Colored with special corrosion resistant paint for attractive appearance and prevention from rust.
- Designed to ensure proper fitment in the Cam Gear Comet engines.
- Proper checking and inspection for optimum engine efficiency and performance

Inlet & Exhaust Cam:

These cams are integrated parts of Cam shaft for Lister Type and Field Marshall Engines and are assembled with the pins. We have specialized Centerless Grinding Machines in order to achieve dimensional Accuracy and Surface finish.

Special Features:

- Tempered and Hardened for Durability and Extended life cycle
- Proper inspection and checking in order to ensure total quality product.
- Material: Graded Steel



FUEL CAM

These cams are integrated parts of Cam shaft for Lister Type and Field Marshall Engines. We have specialized Centerless Grinding Machines in order to achieve dimensional Accuracy and Surface finish.

Special Features:

- Tempered and Hardened for Durability and Extended life cycle
- Proper inspection and checking in order to ensure total quality product.
- Material: Graded Steel





Governor Sleeve (Lister Type)

It is also an integrated part of Cam Shaft Lister and Field Marshall. It is mounted with Governor Weight Lister in Cam shaft. It is made from Graded Steel in order to make it more durable and for Extended Life.

Special Features:

- Tempered and Hardened for Durability and Extended life cycle
- Proper inspection and checking in order to ensure total quality product.

CAM GEAR (Comet)

This cam gear is used in 3.5 H.P Comet type diesel engines. In order to achieve better Hardness and durability we use special additives and inoculants we also keep track of the temperature and fluidity of the liquid metal at the time of pouring to ensure defect free casting. After casting the products are inspected thoroughly to ensure the products meet the desired parameters.

Special Features:

- Standardized Inspection and checking procedure in order to ensure quality product
- Designed for the purpose of first time assembly and replacement
- Material: Graded C.I



CRANK GEAR (Comet)

We also make crank gear for 3.5 H.P comet type engines. In order to ensure quality products we check and inspect every step of the process starting from casting till the product is ready to dispatch. We have established quality check points after every critical process.

Special Features:

- Made on Hi-tech Gear Shaper machines for Better Quality and surface finish Various inspection Instruments and gauges available for testing
- Material: Graded C.I

CAM SHAFT (Comet)

This product is one of our latest additions in the array of Cam shafts. It is being used in Comet type Engines. These shafts are forged from Graded Steel EN32B. In order to ensure consistent performance of the product, we inspect every aspect of the product like Grade, Dimensional Accuracy, Surface Finish, and Hardness.

Special Features:

- High Degree of Surface Finish and Dimensional Accuracy Made on Hi-tech Cylindrical Grinders Manufacturing Process: Forging and H.T.



GOVERNOR WEIGHT (Comet)

We also make Governor Weight for Comet type engines. The governor weight set for comet is less in weight as compared Governor weight for Kir. type Engines. We have a number of checking instruments available with us to ensure safe and smooth operation of the engine.

Special Features:

- Colored with special corrosion resistant paint to avoid rusting.
- Designed to ensure proper fitment in the Cam Gear Comet .
- Proper checking and inspection for optimum engine efficiency and performance



LUBRICATING OIL PUMP (Comet)

This is one of our latest additions in lubricating oil Pumps (Plunger type). We have developed a set of in house fixtures especially to check Lubricating oil pump. During casting, **Special Additives** and **Inoculants** are added in order to achieve desired grade and performance parameters.

Special Features:

- Made on **C.N.C Machines** for Improved Dimensional Accuracy and Surface Finish
- Specialized Jigs & Fixtures and other inspection Instruments in order to assure total quality product
- Availability of Various Sizes Ranging from Std to 30 depending upon the requirement
- Better Design and Grade for enhanced performance and reduced wear and tear.

BAGSON FOUNDRIES

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