



Since : 1990

COMPANY PROFILE

Your Specialist for Gearbox





## About JS

J.S. Gear is a prominent industrial gearbox manufacturer based in Ahmedabad, the manufacturing hub of Gujarat, India. With 35 years of experience in the gearbox manufacturing industry, we have been producing export-quality hardened and profile-ground helical gearboxes and custom-made gearboxes since 1990.

At J.S. Gear, we utilize state-of-the-art CNC machines to ensure the production of high-quality gearboxes across a wide range of products, including:

- ⚙ Parallel shaft helical gearboxes
- ⚙ Crane duty helical gearboxes
- ⚙ Extruder Duty helical gearboxes
- ⚙ Heli-bevel gearboxes and geared motors (K series)
- ⚙ Custom-made fabricated steel casing gearboxes
- ⚙ LT series gearboxes
- ⚙ HT series gearboxes



## OUR EXCELLENCE



### LATEST TECHNOLOGY

Using Highest Quality of CNC, VMC, HMC and CNC Gear Grinding machines for the manufacturing



### LICENSED & INSURED

JS Gears holds all the necessary manufacturing and export licenses, along with the latest manufacturing software licenses and the ISO 9001:2015 certification.



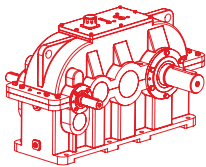
### PROFESSIONAL WORKERS

JS Gears has a team of over 50 skilled professionals with extensive industry experience.



### EXPERIENCE

JS Gears has over 35 years of experience in the gearbox manufacturing industry.



### DESIGNED & DEVELOPED

JS Gears employs advanced software for designing and developing gearboxes, supported by a four-person team specializing in design and R&D.



### ROBUST MATERIALS

We are using Graded cast iron for the casing and 18CrNiMo7 and En-353 materials for the pinions and gears, adhering to the highest industry standards.



### INTERNATIONAL STANDARDS

We are designing and developing our product according to the International Standard with ISO9001:2015 quality procedures.



### CLIENTS

More than 500 Domestic & International Clients.





Since : 1990

## CERTIFICATIONS







## Chemical



## Food Extruder



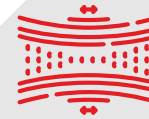
## Material Handling



## Paper



## Rubber



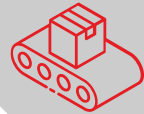
## Sugar



## Dairy



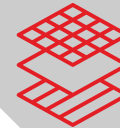
## Heavy Conveyor



## Oil



## Plastic



## Steel



## Textile







## UNIT-1

### Machine Shop

(Size - 10,000 Square Feet)

## UNIT-2

### Storage & Assembly Area

(Size - 12,000 Square Feet)

## UNIT-3

### Paint & Dispatch Area

(Size - 6,000 Square Feet)



## JS Gear Operate on **90% Renewable Energy** (From Feb-2025)

JS Gear has reached a milestone in sustainability by fully transitioning to solar power. With the installation of a solar energy system, the company now operates on 90% renewable energy, showcasing a strong dedication to environmental responsibility.





## Factory Machinery List

Fully Auto Bandsaw Machine	DIA 520	1 NOS
Fully Auto Bandsaw Machine	DIA 330	1 NOS
CNC Turning	DIA 450 X 1050 MM	1 NOS
CNC Turning	DIA 550 X 800 MM	1 NOS
CNC Turning	DIA 350 X 700 MM	1 NOS
CNC Turning	DIA 200 X 400 MM	1 NOS
VMC	Working 1800X700	1 NOS
VMC	Working 1050X450	1 NOS
HMC	630X630	1 NOS
HMC	500X500	1 NOS
Boring – DRO	Size – 100	1 NOS
Hobbing	DIA 800 X 14 Module	1 NOS
Hobbing	DIA 630 X 10 Module	1 NOS
Hobbing	DIA 500 X 8 Module	1 NOS
Hobbing	DIA 280 X 5 Module	3 NOS





## Factory Machinery List

Gear Grinding – CNC	DIA 400 – Profile	1 NOS
Gear Grinding – CNC	DIA 500 – Profile	1 NOS
Conventional Milling		1 NOS
Conventional Lathe		2 NOS
Broaching Machine – Bore key way	Broaching Machine – Bore key way	1 NOS
Slotting Machine	Slotting Machine (Stroke 400mm)	2 NOS
EOT Crane	EOT Crane (5 Ton Capacity)	4 NOS
EOT Crane	EOT Crane (3 Ton Capacity)	1 NOS
Hydraulic Press – Heavy Duty	Hydraulic Press – Heavy Duty	1 NOS
Hydraulic Press – Medium Duty	Hydraulic Press – Medium Duty	1 NOS
Hydraulic Press – Light Duty	Hydraulic Press – Light Duty	2 NOS



## PRODUCT RANGE





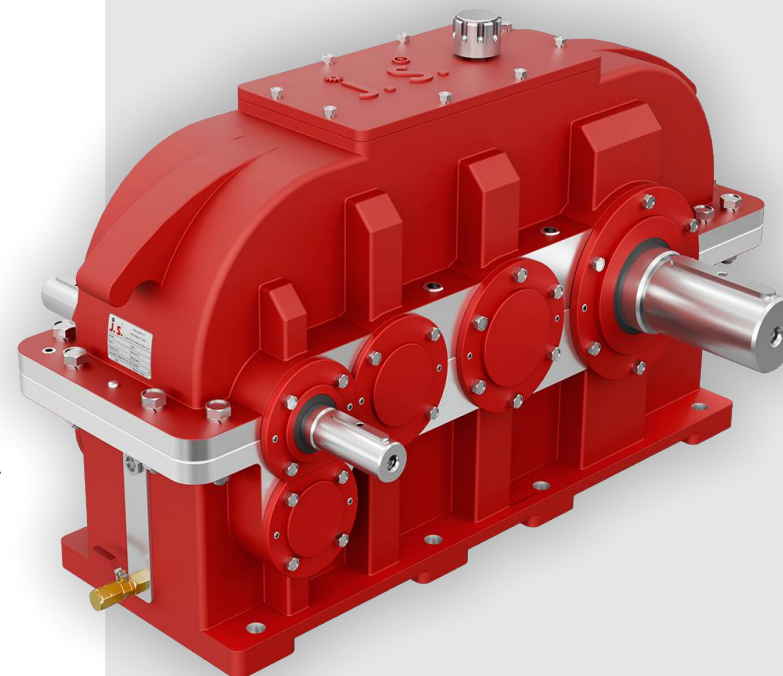
# CRANE DUTY HELICAL GEARBOXES

Engineered to meet the evolving demands of modern material handling and lifting applications.

Built on three decades of engineering excellence, this new range of helical gearboxes is designed to deliver exceptional performance, reliability, and efficiency in crane duty operations. Whether used in hoists, trolleys, or long travel mechanisms, our gearboxes are crafted to handle the most demanding industrial environments with ease.

## Key Features

- ⚙️ **Hardened & Profile Ground Gears** – Designed for maximum strength, wear resistance, and smooth power transmission.
- ⚙️ **Stages** : Available in three-stage and four-stage designs.
- ⚙️ **Size Range** : Input to output center distances from 250 mm to 1400 mm.
- ⚙️ **Gear Material** : High-grade alloy steel, case-hardened and precision-ground for enhanced durability.
- ⚙️ **Bearings** : Equipped with heavy-duty roller bearings for enhanced load-carrying capacity.
- ⚙️ **Output Versions** : Options include:
- ⚙️ **Solid standard shaft** : Standard
- ⚙️ **Geared output shaft** : optional
- ⚙️ **Hollow output shaft** : optional
- ⚙️ **Housing** : Rugged cast iron or fabricated case for vibration-free, long-lasting performance.
- ⚙️ **Gear Ratios** : Available up to 630:1 for varied application needs.



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# PARALLEL SHAFT HELICAL GEARBOXES

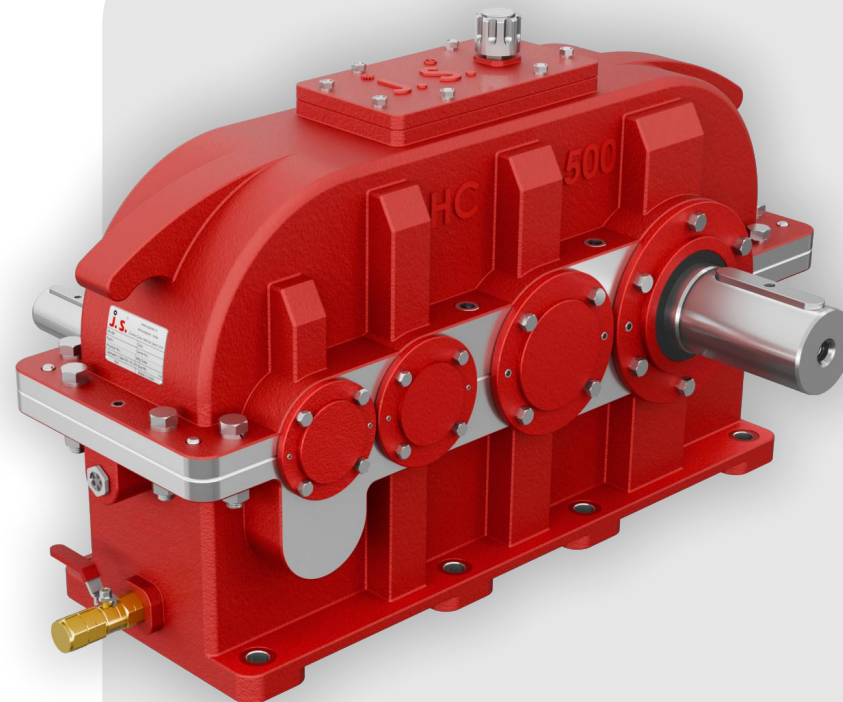
## Engineered for High Performance | Built for Demanding Applications

JS Gears offers a robust range of **Parallel Shaft Helical Gearboxes**, available in **single, two, three, and four-stage configurations**, with center distances up to **630 mm (CD)** in final stages. Designed for superior torque transmission and long-lasting reliability, our gearboxes are the ideal choice for heavy-duty industrial operations.

## Key Features

TYPES	SIZES (CD in mm)	GEAR RATIO RANGE
SAH – Single Stage	110 – 200	1:1 to 6:1
SBH – Two Stage	110 – 315	6:1 to 25:1
HC – Three Stage	100 – 630	25:1 to 140:1
HD – Four Stage	200 – 630	140:1 to 650:1

-  **Power Rating** : up to **500 KW**
-  **Mounting Options** : Foot, Flange, and Shaft-Mounted (customizable)
-  **Output Options** : Solid and Hollow Shaft available
-  **Gear Material** : High-grade alloy steel, case-hardened and precision profile ground for maximum strength and accuracy.
-  **Gear Housing** : Available in Cast Iron and Fabricated Steel, ensuring rugged construction and excellent thermal dissipation.
-  **Bearings** : Heavy-duty roller bearings for smooth operation and extended service life.
-  **Lubrication** : Splash Standard by default, and a forced lubrication system is available, depending on the application.



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# EXTRUDER DUTY HELICAL GEARBOXES

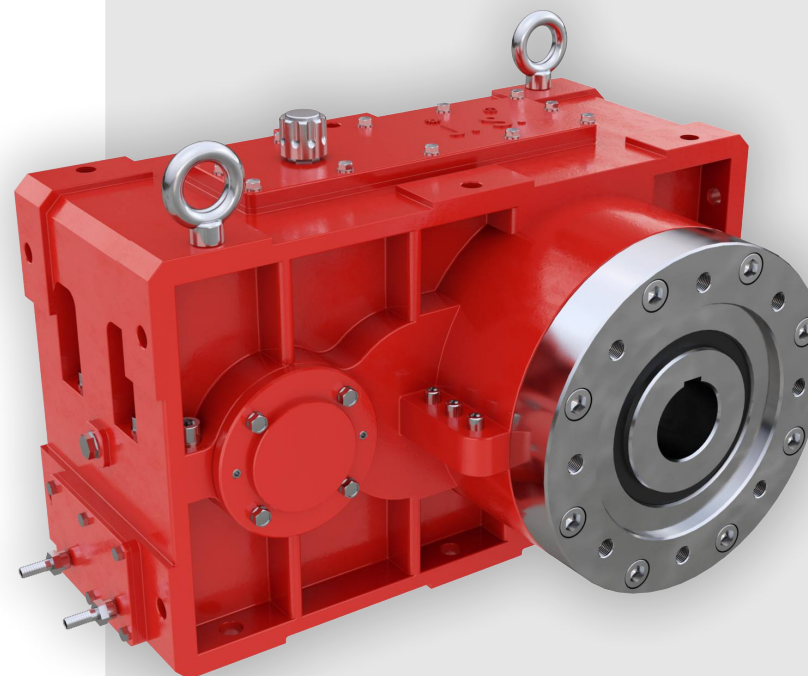


Since : 1990

Our Extruder Duty Helical Gearboxes are engineered to deliver exceptional performance in demanding industrial applications, ensuring reliability and efficiency in every turn. Designed specifically for use in extrusion machinery, these gearboxes are built to handle high torque loads, heavy-duty operations, and prolonged usage without compromising on quality or performance.

## Key Features

- ⚙️ **Extruder Duty Helical Gearboxes Design:** Rigid and robust for heavy-duty applications
- ⚙️ **Types** : Available in Single Stage & Two Stage models
- ⚙️ **Ratio Range** : 6:1 to 22:1
- ⚙️ **Housing** : Graded Cast Iron Case for strength and durability
- ⚙️ **Gears** : Manufactured from high-grade alloy steel, hardened and precision profile ground to meet superior standards
- ⚙️ **Gearbox** : equipped with Spherical Thrust Roller Bearings (294 series) and other high-capacity roller bearings
- ⚙️ **Cooling** : In-built water cooling system ensures efficient thermal management
- ⚙️ **Lubrication** : optional Oil pump option available for enhanced performance
- ⚙️ **Mounting Options** : Standard Horizontal & Vertical models are available on request.



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## K-Series – Right Angle Helical Bevel Geared Motor



Since : 1990

The **K Series Gearbox** is a high-performance helical-bevel gear unit designed to deliver maximum efficiency and reliability in demanding industrial applications. With modular construction and precision engineering, it provides smooth power transmission, durability, and flexibility for a wide range of industries.

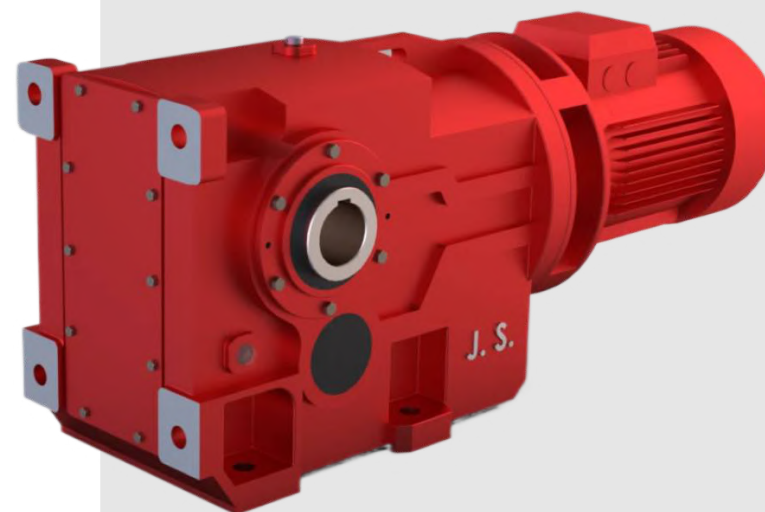
### Key Features

- High Efficiency** : Optimized gear geometry ensures superior torque transmission with minimal energy loss.
- Compact & Rigid Design** : Space-saving construction with robust housing for long service life.
- Wide Torque Range** : From light-duty to heavy-duty applications with consistent performance
- Versatile Mounting Options** : Foot-mounted, flange-mounted, and shaft-mounted versions available..
- Easy Maintenance** : Quick access for inspection and servicing to minimize downtime.

### Available Models

The K Series offers a comprehensive range of models to suit varied industrial requirements:

Model	Available Ratios
K - 07	Hollow Bore 50 mm
K - 08	Hollow Bore 60 mm
K - 09	Hollow Bore 70 mm
K - 10	Hollow Bore 80 mm
K - 12	Hollow Bore 100 mm






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# LT – Series Gearboxes

**Specially Designed for Heavy Duty Steel Mill EOT Crane Applications**  
(Suitable for Long Travel and Cross Travel mechanisms)



## Key Features

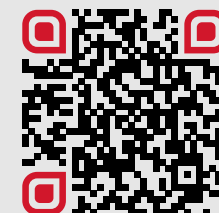
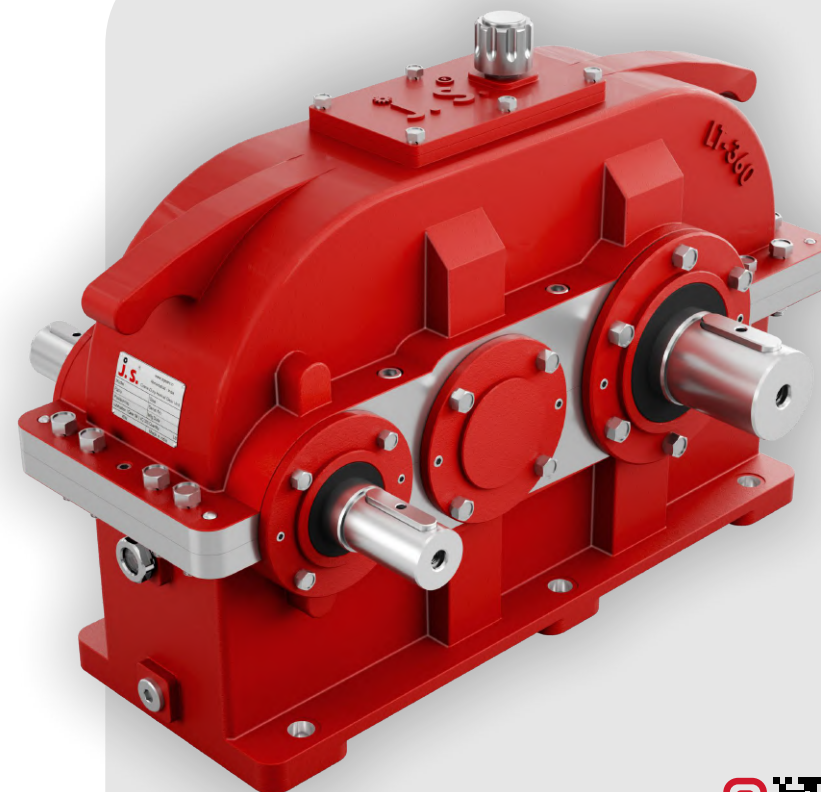
-  **Precision Gearing** : Case-hardened & profile-ground helical gears for maximum strength
-  **Heavy-Duty Bearings** : Roller bearing design for enhanced load carrying capacity.
-  **Flexible Design Options** : Available in both Cast Iron and Fabricated Steel gear cases

## Model Range & Ratios

Model	Available Ratios
LT-250	6:1, 8:1, 10:1, 12:1, 16:1, 20:1
LT-305	6:1, 8:1, 10:1, 12:1, 16:1, 20:1
LT-360	6:1, 8:1, 10:1, 12:1, 16:1, 20:1

## Gear Case Options

-  **Cast Iron (CI)** : Rugged, durable, and reliable for long-term usage.
-  **Fabricated Steel** : Strong, customizable option for extreme heavy-duty operations.



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# HT SERIES GEARED MOTOR








Since : 1990

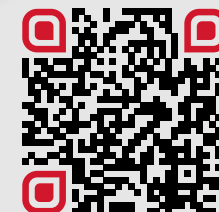
## Engineered for Hoisting Excellence

The HT Series Geared Motor by JS Gear is purpose-built for Single Girder EOT Crane hoisting applications. Designed with precision and reliability in mind, it ensures smooth performance, effortless fitment, and long-lasting durability.

## Key Features

-  **Optimized Design** : Longer center distance for easy installation—no fouling with drum or motor.
-  **Smart Assembly** : Standard input hollow and output hollow shaft with output flange for quick mounting.
-  **Precision Engineering** : High-grade alloy steel gears, case-hardened and CNC profile ground to DIN 5–6 accuracy.
-  **Quiet & Reliable** : Low noise, excellent stability, and minimal maintenance needs.
-  **Built to Last** : Robust construction for heavy-duty crane operations.

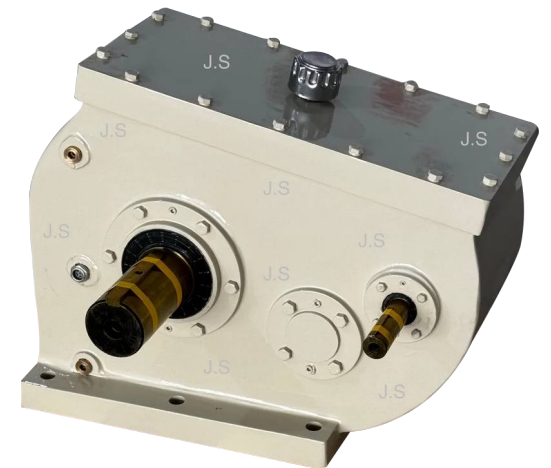
**Performance you can trust. Reliability you can count on.**



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## CUSTOM MADE GEARBOXES



Customized Design as per Client's Requirements



## **DROP-IN REPLACEMENT**

### **Description**

J.S Gear proudly announces the launch of our new drop-in replacement for helical gearboxes. Our gearboxes are expertly designed and manufactured to seamlessly replace any brand or application, providing a highly reliable solution. Casing Fabricated and DIN-6 quality profile ground gears. If you're considering upgrading your old gearboxes.





# WHY RE-FURBISHMENT GEARBOXES



- ⚙️ Cost-effective alternative to purchasing new gearboxes
- ⚙️ Improve gear functionality and extend life span
- ⚙️ Increases reliability and extends lifespan of existing equipment
- ⚙️ Offers opportunity to upgrade and improve performance
- ⚙️ Faster turnaround time than ordering new gearboxes
- ⚙️ May require less downtime for installation compared to new equipment
- ⚙️ Save more on gear components compared to existing brands
- ⚙️ No matter what type of gearbox is in need of repair, we'll get it done quickly

## BEFORE



## AFTER



## BEFORE



## AFTER











Since : 1990

CONTACT US

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THANK YOU