



About Us

Shri Butbhavani Engineering

Rack and Pinion Manufacturers in Gujarat Established in the year 2006 in Amraiwadi, Ahmedabad, Gujarat, Shri Butbhavani Engineering has earned a reputable position in the industry as a trusted Manufacturer and Service Provider. With a strong commitment to quality and precision, we specialize in offering a wide range of industrial components and services including Rack Pinions, CNC Rack Cutting Work, and other customized engineering solutions.

Backed by years of expertise and a dedicated team of professionals, we ensure each product is manufactured using advanced technology and rigorous quality standards. Our services are known for their accuracy, durability, and timely execution, catering to the specific needs of our clients across various industrial sectors.

Emergency Services

At Shri Butbhavani Engineering, we provide quick and reliable emergency support for all your engineering needs.

Guaranteed Works

At Shri Butbhavani Engineering, we stand by the quality of every product and service we deliver.

Fast Services

At Shri Butbhavani Engineering, we value your time. Our Fast Services ensure quick response, efficient work.

Affordable Price

At Shri Butbhavani Engineering, we offer high-quality products and services at competitive prices.

Highly Trained Staff

At Shri Butbhavani Engineering, our success is driven by a team of highly trained and experienced professionals.

Free Consultation

At Shri Butbhavani Engineering, we believe in guiding our clients toward the right solutions.



Our Products

Rack Pinion

Custom Rack and Pinion

Gear Rack

Heavy Duty Rack and Pinion

Industrial Rack and Pinion

Precision Rack and Pinion

Rack and Gear

Rack and Pinion

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Shri Butbhavani Engineering

Rack Pinion

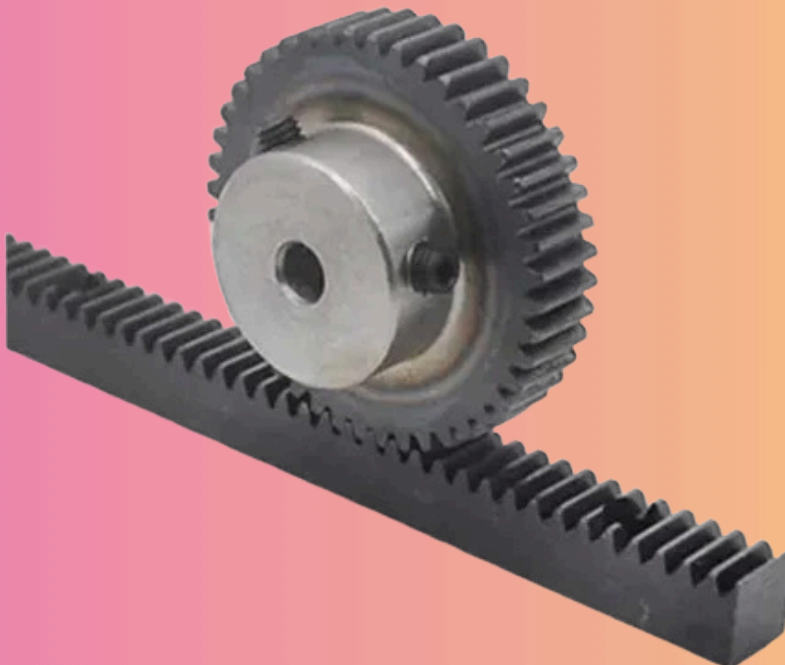
Material	Mild Steel (MS)
Color	Silver
Usage/Application	Industrial
Country of Origin	Made in India

Rack and pinions are mechanical components used to convert rotational motion into linear motion or vice versa. They consist of two main parts:

- 1 Rack - A flat, toothed bar (linear gear)
- 2 Pinion - A small, round gear that meshes with the rack

How It Works

When the pinion rotates, its teeth engage with the rack, causing the rack to move in a straight line. If the rack is fixed and the pinion moves along it, rotational motion is converted into linear motion.





Shri Butbhavani Engineering

Custom Rack and Pinion

At Shri Butbhavani Engineering, we specialize in custom rack and pinion manufacturing in Ahmedabad, offering precision-engineered solutions for industrial automation, motion control, and heavy-duty machinery. Our rack and pinion systems are designed for maximum accuracy, strength, and reliability—helping industries achieve seamless mechanical motion and high performance. With decades of engineering experience and advanced infrastructure, we manufacture both straight and helical racks, ensuring perfect engagement and smooth transmission of power.

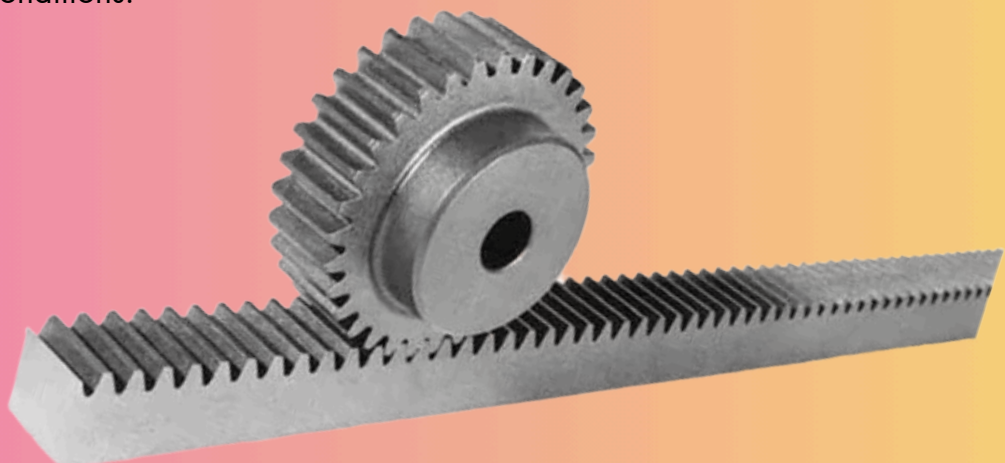
As one of the most trusted rack and pinion manufacturers in Ahmedabad, we understand that every industry requires unique specifications. That's why our team works closely with clients to create customized designs suited for their operational needs. From prototype development to full-scale production, our comprehensive process ensures that each component meets international quality standards.

Comprehensive Rack and Pinion Solutions

We provide end-to-end solutions covering design, machining, heat treatment, and surface finishing. Our modern CNC machines allow us to manufacture racks and pinions with tight tolerances, smooth finishes, and consistent performance. Whether you require precision gears for robotics, industrial machines, or automotive steering systems, we deliver tailor-made products that ensure efficiency and long-term durability.

Quality Assurance and Materials

Quality is the foundation of our manufacturing philosophy. We use only high-grade materials such as alloy steel, carbon steel, and stainless steel to ensure superior strength and wear resistance. Each rack and pinion undergoes rigorous inspections, hardness testing, and dimensional verification. Our in-house heat treatment and grinding facilities guarantee perfect tooth geometry and extended service life even under high-load conditions.





Shri Butbhavani Engineering

Gear Rack

Shri Butbhavani Engineering is a leading provider of gear rack manufacturers in ahmedabad delivering precision, durability and customization for diverse industrial applications. With years of experience in manufacturing and stringent quality control, we produce rack and pinion assemblies that meet international standards. Our services include material selection, heat treatment, machining and finishing to ensure optimal performance and long service life. Whether you need a single prototype or large-scale production runs, our skilled team works closely with clients to deliver cost-effective, reliable solutions. Contact us at +91- 8780655185 to discuss your requirements and get a fast, competitive quote

Quality & Materials

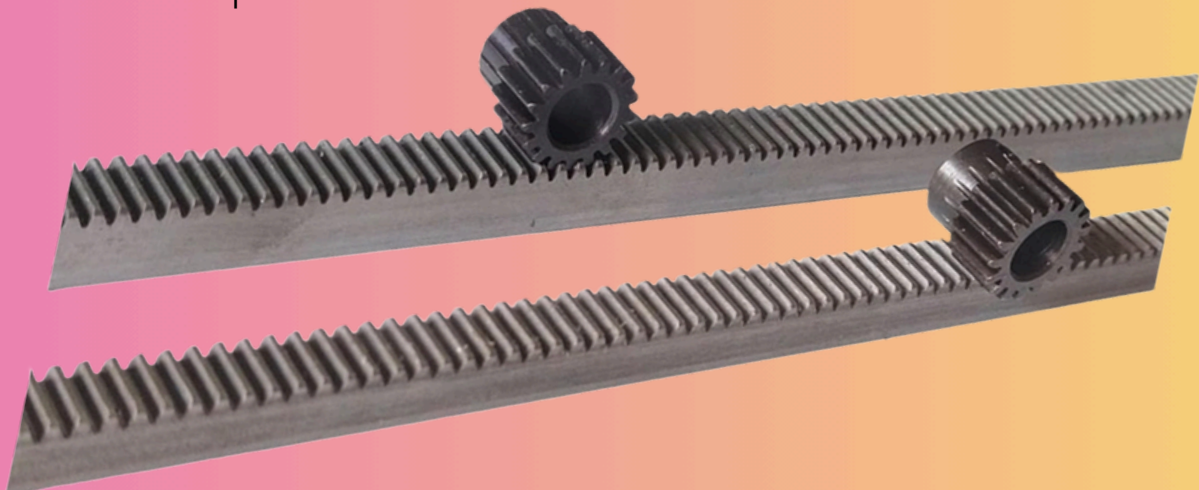
We use high-grade steels and alloys, follow strict heat treatment processes, and conduct dimensional inspections to guarantee product reliability and longevity. Our quality checks reduce downtime and increase safety in applications.

Applications

Our rack and pinion products serve material handling, robotics, automotive steering systems, CNC machinery, and heavy-duty industrial equipment. We design for load, speed, and environment-specific requirements.

Why Choose Shri Butbhavani Engineering?

With competitive pricing, timely delivery, and a focus on precision, Shri Butbhavani Engineering stands out among gear rack manufacturers in ahmedabad providers in Ahmedabad and Gujarat. Reach out at +91- 8780655185 for expert assistance and fast turnaround.





Shri Butbhavani Engineering

Heavy Duty Rack and Pinion

Heavy Duty Rack and Pinion Manufacturing in Ahmedabad, Shri Butbhavani Engineering is a leading name in heavy duty rack and pinion manufacturing in Ahmedabad, delivering precision-engineered mechanical systems that ensure high strength, durability, and performance. We specialize in manufacturing heavy-duty rack and pinion mechanisms suitable for industrial machinery, automation equipment, and heavy-load applications where superior motion control and reliability are essential.

Our Heavy Duty Rack and Pinion Products

We offer a complete range of heavy duty rack and pinion systems built with high precision and superior materials to ensure exceptional strength and long service life. Our offerings include:

- Industrial Heavy Duty Racks – Engineered for high load-bearing applications in construction and manufacturing sectors.
- High-Strength Pinions – Precision-machined pinions with hardened teeth for smooth, consistent motion transfer.
- Custom Rack and Pinion Sets – Designed to meet specific mechanical and dimensional requirements of your machinery.
- Helical and Straight-Tooth Racks – Manufactured using CNC machining for superior surface finish and accuracy.

Why Choose Shri Butbhavani Engineering?

Shri Butbhavani Engineering is known for its technical excellence, manufacturing precision, and commitment to customer satisfaction. Here's what sets us apart as one of the best heavy duty rack and pinion manufacturers in Ahmedabad:





Shri Butbhavani Engineering

Industrial Rack and Pinion

Industrial Rack and Pinion Manufacturers in Gujarat, Shri Butbhavani Engineering is one of the most reputed industrial rack and pinion manufacturers in Gujarat, offering precision-engineered motion control systems designed for reliability, strength, and efficiency. Our rack and pinion mechanisms are widely used in industrial automation, machinery manufacturing, and heavy-duty applications, ensuring smooth and accurate linear motion in every operation.

Our Heavy Duty Rack and Pinion Products

We offer a complete range of heavy duty rack and pinion systems built with high precision and superior materials to ensure exceptional strength and long service life. Our offerings include:

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Shri Butbhavani Engineering

Precision Rack and Pinion

Precision Rack and Pinion Manufacturing in Ahmedabad, Shri Butbhavani Engineering is a trusted name in precision rack and pinion manufacturing in Ahmedabad, delivering high-quality motion control solutions that combine accuracy, durability, and performance. Our rack and pinion systems are engineered to meet the demands of modern industries where smooth and reliable linear motion is essential.

Our Product Range

At Shri Butbhavani Engineering, we manufacture a comprehensive range of precision rack and pinion products to suit various operational requirements:

- Precision Helical Racks and Pinions – Designed for silent operation and high load capacity.
- Straight Tooth Racks and Pinions – Perfect for general industrial applications requiring accuracy.
- Custom Rack and Pinion Sets – Tailor-made as per specific client designs and load conditions.
- High-Strength Steel Racks – Built using hardened alloy steel for maximum lifespan and efficiency.
- Heavy-Duty Industrial Assemblies – Ideal for construction, automation, and mechanical industries.

Why Choose Shri Butbhavani Engineering?

With years of expertise in mechanical design and manufacturing, Shri Butbhavani Engineering has become one of the most reliable names for precision rack and pinion manufacturing in Ahmedabad. Our products are designed to deliver long-term accuracy and performance even in challenging industrial conditions. Here's what makes us stand out:





Shri Butbhavani Engineering

Rack and Gear

As one of the most reputed rack and gear manufacturers in Ahmedabad, we offer a comprehensive range of products designed to meet the specific requirements of various industries including automotive, machine tools, packaging, automation, and construction equipment. Our manufacturing process integrates advanced CNC machining, gear hobbing, and strict quality inspection to ensure consistency and reliability in every component.

Our Range of Racks and Gears

At Shri Butbhavani Engineering, we manufacture a wide range of racks and gears for different mechanical and automation needs:

- Straight Gear Racks – Ideal for linear motion and precision positioning.
- Helical Gear Racks – Designed for high-load and low-noise performance.
- Spur Gears – High-accuracy gears used for general motion transfer.
- Helical Gears – Provide smooth, quiet operation with high efficiency.
- Custom Racks and Gears – Manufactured as per client drawings, materials, and specifications.

Why Choose Shri Butbhavani Engineering?

We combine years of technical expertise with modern machinery to deliver the best rack and gear manufacturing in Ahmedabad. Our products are widely recognized for their dimensional accuracy, durability, and reliability in high-performance applications.





Shri Butbhavani Engineering

Rack and Pinion

Rack and Pinion Manufacturers in Ahmedabad, Shri Butbhavani Engineering is one of the leading names in rack and pinion manufacturing in Ahmedabad, offering precision-engineered mechanical components designed for superior performance and reliability. With years of experience in gear and transmission systems, we specialize in manufacturing high-quality rack and pinion mechanisms for industrial, automotive, and heavy machinery applications.

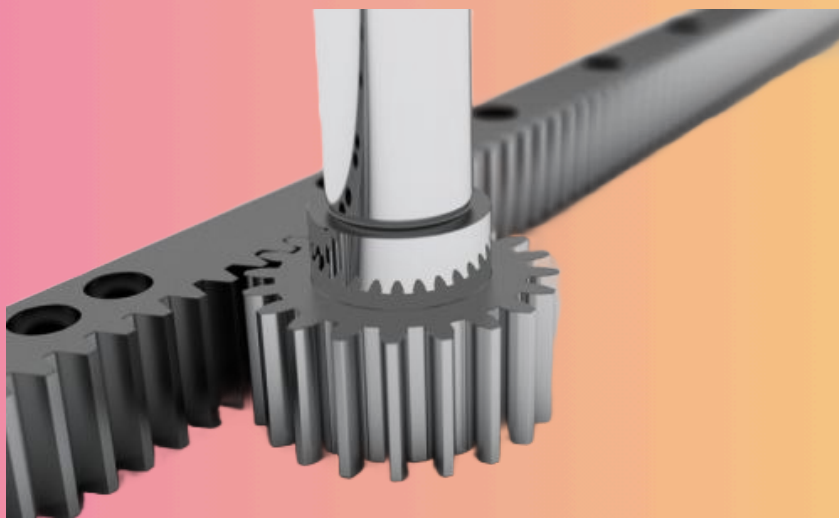
Our Rack and Pinion Manufacturing Capabilities

We offer a comprehensive range of rack and pinion manufacturing services in Ahmedabad, suitable for diverse applications and industries. Our key capabilities include:

- Precision Rack Manufacturing – We produce straight and helical racks with fine tooth profiles for high-precision motion control.
- Pinion Gear Manufacturing – Custom-designed pinions made from premium materials for strength and durability.
- Custom Rack and Pinion Assemblies – Complete sets engineered for specific client applications and load requirements.
- Industrial Rack and Pinion Systems – Ideal for automation, material handling, and heavy-duty machinery.
- Repair and Replacement Services – Refurbishment and replacement of worn-out rack and pinion parts for smooth operation.

Why Choose Shri Butbhavani Engineering?

As a trusted rack and pinion manufacturer in Ahmedabad, Shri Butbhavani Engineering focuses on quality, precision, and customer satisfaction. Here's why our clients choose us over others.





Shri Butbhavani Engineering

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