

ABOUT US

Established in 1989, Kalpana Gears Pvt. Ltd. is a trusted name in the world of heavy-duty gear manufacturing, based in Patancheru, Hyderabad, Telangana, India. With over three decades of experience, we have built a reputation for delivering high-quality gears and precision-engineered components for industrial applications across the country.

We specialize in the manufacturing, trading, import, and export of a wide range of gear solutions, including Klinth Gears, Helical Bevel Gearboxes, Spur Gears, and more.

CONTACT US

Get a free consultation to discuss your needs and wants. Contact us today!



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Kalpana Gears

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Founded in 1989, Kalpana Gears Pvt. Ltd. is a trusted name in industrial gear manufacturing. Based in Hyderabad, Telangana, we specialize in Klinth gears, spur gears, and helical bevel gearboxes—delivering high-performance solutions across India.

 35+ YEARS



WHAT WE DO?

We specialize in heavy gear manufacturing, custom gear design, and supply of steel, iron, and non-ferrous castings. Our expertise includes precision forgings, fabrication, and fully machined assemblies tailored to customer drawings. With advanced facilities and a strong Pan-India supply network, we deliver high-quality castings, forgings, and fabricated assemblies – ensuring precision, durability, and customer satisfaction.

We offer fully machined steel castings, CI castings, steel forgings, non-ferrous castings, and fabricated assemblies with wooden patterning – all customized to meet specific customer requirements.

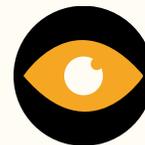


OUR PILLARS



OUR MISSION

To support industries with reliable, long-lasting components through quality manufacturing



OUR VISION

To be India's most trusted gear manufacturer, enhancing industry performance with precision and engineering excellence.



OUR VALUES

Quality, Integrity, Customization, Timely Delivery, and Sustainability — the core values driving everything we do.

OUR PRODUCTS

INDUSTRIAL GEARS



SPUR GEARS

Our spur gears are designed with the widely preferred involute profile, ensuring superior strength, long-lasting durability, and ease of manufacturing. This makes them a dependable choice for efficient and reliable power transmission.



Bevel Gear with Helical Pinion Dia 710

BEVEL GEARS

Our bevel gears efficiently transfer power between intersecting shafts, most commonly at 90°, with precision and reliability. Available in straight, spiral, and hypoid types, they ensure smooth motion.



Internal Gear 5.4 Mtr 2

GIRTH GEARS

Girth gears are large ring gears driving heavy equipment like kilns, mills, and dryers. Built in segments for easy transport, they handle high torque, need precise alignment, and ensure long-term reliable performance.

WORM GEAR ASSEMBLIES



WORM SHAFTS

Worm shafts, with their screw-like helical design, transmit torque between non-intersecting shafts at 90°. Offering high reduction ratios, smooth and quiet performance, they are widely used in elevators, conveyors, and automation systems for compact, efficient power transmission.



GEAR BOXES

Gearboxes are durable enclosures housing gear systems that transmit power while adjusting speed, torque, or direction. Essential across industries, they ensure efficient, controlled performance in machinery, vehicles, conveyors, and heavy-duty equipment under diverse operating conditions.

SPLINE , SHAFT & MACHINE COMPONENTS



SPLINES

Splines are ridged shafts with matching grooves on mating parts, enabling torque transfer without slippage. They provide precise alignment and smooth rotational motion, commonly used in automotive, aerospace, and industrial machinery for high torque and accurate positioning.



SHAFTS

Shafts are cylindrical components that transmit power and rotational motion between machine parts, supporting gears, pulleys, and other elements.



COUPLINGS

Couplings are mechanical devices that connect two shafts to transmit power while accommodating misalignment, absorbing shocks, and allowing limited movement.

PINIONS & DRIVE SHAFTS



PINION

A pinion with a shrink-fitted shaft is engineered using thermal expansion to achieve a precise interference fit. This ensures strong torque transmission, prevents slippage, and eliminates the need for additional fasteners, offering durability and reliability under demanding load conditions.



PINION GEAR

A pinion gear is the smaller of two meshing gears, often paired with a larger gear called a spur gear or rack in rack-and-pinion systems. It transmits rotational motion and torque, typically converting rotational movement into linear motion or altering speed and direction in machinery.



PINION SHAFT

A pinion shaft is a mechanical component that transfers rotational motion and torque in machinery, commonly found in gear systems, automotive differentials, and industrial equipment. It typically consists of a shaft with a pinion gear mounted on it, which meshes with a larger gear (ring gear) to change speed, direction, or torque.



Dia 1000, 3450 L, Internal Splines

LARGE PINION GEAR

A large pinion gear is a small driving gear that meshes with a larger gear or rack, but in this context, "large" refers to its size compared to standard pinions. It is designed to transmit rotational motion and torque efficiently within heavy-duty machinery.



PULLEYS

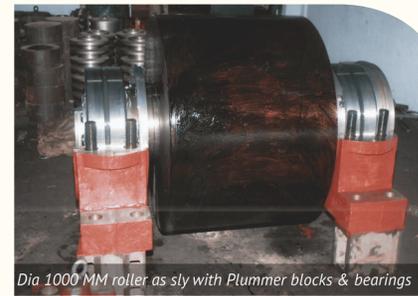
Pulleys are essential mechanical components used to transfer motion and power between shafts using belts. We offer a wide range of precision-engineered pulleys including V-belt, timing, flat belt, taper lock, and customized types. Manufactured with high-quality materials and advanced techniques.



Piston Dia 580 X 1900 L

HYDRAULIC PISTON

Our hydraulic pistons are engineered for high-performance fluid power applications, delivering precise force and motion control in demanding industrial environments.



Dia 1000 MM roller as sly with Plummer blocks & bearings

ROLLERS

Rollers are essential components used in conveyors, machinery, and material handling systems to facilitate smooth and efficient movement of goods. Made from durable materials like steel, rubber, or polyurethane, rollers ensure minimal friction, reduced wear, and enhanced performance.

TRANSMISSION COMPONENTS



Sprocket 2.2 Mtr triplex

SPROCKETS

As a prestigious chain sprocket manufacturer, we specialize in supplying and exporting a precision-engineered range of sprockets including chain and conveyor sprockets.

FIXTURES & HOUSINGS



FIXTURES

Fixtures are specialized mechanical devices used to securely locate, hold, and support workpieces or machine components during manufacturing, assembly, or machining operations. They ensure precision, repeatability, and efficiency by eliminating the need for frequent measurements and adjustments.

CUSTOM FABRICATIONS



SHELL CASING / DRUM

Our shell casings and drums are custom-fabricated for robust performance in industrial rotary equipment, including kilns, dryers, and mills. Built with high-strength steel and precision-engineered for perfect balance and alignment.

OUR MACHINERY

At Kalpana Gears, we are equipped with a wide range of advanced machinery to deliver precision engineering solutions. Our setup includes VTL, gear hobbing, hob sharpening, slotting, radial drilling, floor and horizontal boring, milling machines, and center lathes. We are further supported by powerful generators, manual cranes, and high-capacity EOT cranes, ensuring seamless operations for heavy-duty gear manufacturing.

Our modern infrastructure features VTL, gear hobbing, drilling, boring, milling, and machining equipment. Supported by generators, manual cranes, and high-capacity EOT cranes, we ensure precision, efficiency, and reliability in every stage of gear manufacturing.

INDUSTRIES WE SERVE

At Kalpana Gears, we proudly serve a diverse range of industries with reliable, high-precision gear solutions. Our expertise extends to power generation, steel plants, cement manufacturing, mining, heavy engineering, oil & gas, paper mills, railways, and defense applications. With advanced machinery and decades of experience, we manufacture heavy gears, custom gear assemblies, and precision components tailored to demanding industrial needs.

Our ability to handle large gear modules, complex machining, and fabricated assemblies ensures consistent quality and durability. Backed by a strong Pan-India supply network, we are committed to powering industries with gears that drive efficiency and long-term performance.

OUR NETWORK

Kalpana Gears Pvt. Ltd. proudly supports over 400 clients nationwide with reliable gear solutions and precision engineering. With strong networks across Telangana, Andhra Pradesh, and India's industrial hubs, we ensure seamless delivery, trusted partnerships, and consistent quality for sectors including cement, steel, sugar, thermal power, mining, defense, and machine building.

Our commitment to innovation, large-scale capacity, and customer satisfaction continues to strengthen our presence and reputation across India's industrial landscape.