

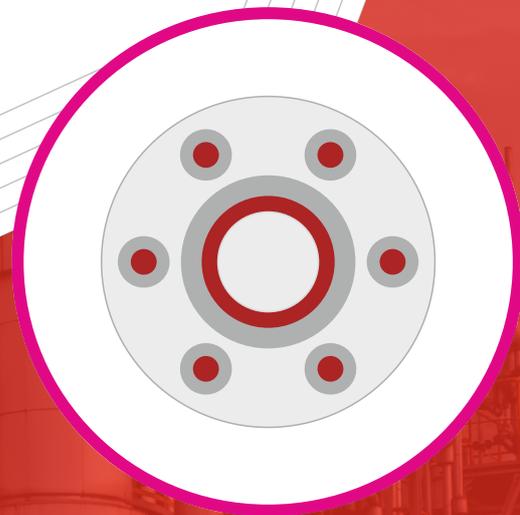
SINCE 1974



MAHALAXMI

INDUSTRIES

WHERE INNOVATION MEETS LEGACY
50 YEARS OF INDUSTRIAL SOLUTIONS



www.mahalaxmipulley.in





50⁺ YEARS

COMPANY PROFILE:

Established over five decades ago by our visionary founder and respected grandfather, **Late Shri Karshanbhai Giradharbhai Panchal**, Mahalaxmi Industries, has become synonymous with quality, innovation, and trust in the manufacturing of industrial pulleys, sprockets, gearboxes and couplings. What started as a small workshop catering to local industries has today grown into a trusted name in the Indian manufacturing sector and beyond.

With a strong foundation laid by the first generation, the business was later expanded under the stewardship of **Mr. Yogesh K Panchal**, who infused modern manufacturing techniques and widened the company's reach to include major industries across India through channel partners and direct collaborations.

As the third generation joined the business, **Mr. Nirmal Y Panchal** entered a new era of growth and transformation by launching retail counters, exploring export markets, and adopting digitalization to better serve customers and adapt to the global industrial landscape. Today, Mahalaxmi Industries, is proud to partner with some of India's largest companies, while also making its mark internationally.

OUR LEGACY, YOUR TRUST

At Mahalaxmi Industries, we take immense pride in our journey that started with a small dream and grew into a nationally recognized powerhouse. Spanning three generations, our growth reflects a deep commitment to excellence, innovation, and a vision to serve industries worldwide.

With over 50 years of expertise, we look forward to continuing this legacy and building stronger connections with our valued customers, partners, and stakeholders.



MAHALAXMI INDUSTRIES

+91-9825743120 / 9825043120

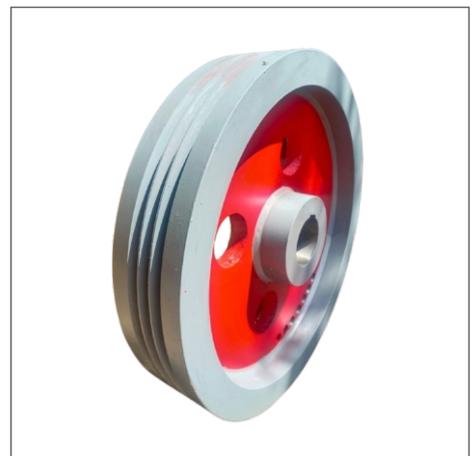
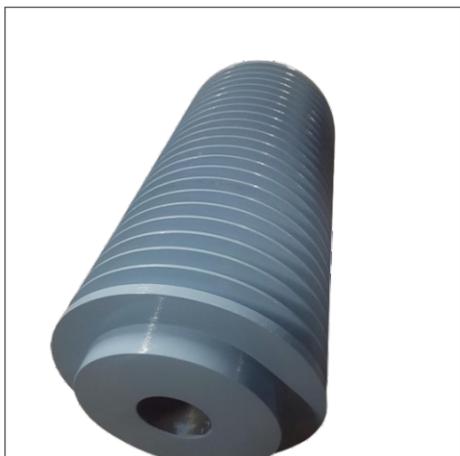
info@mahalaxmipulley.com

www.mahalaxmipulley.in

PULLEYS - TYPE 1 V-BELT PULLEYS

Engineered for efficient power transmission, Mahalaxmi's V-Belt Pulleys are precision-machined to ensure optimal belt alignment and minimal slippage. Designed with trapezoidal grooves for enhanced grip, these pulleys support high-speed operations and heavy torque loads across parallel shafts. Available in single and multi-groove configurations, they are manufactured using robust materials like cast iron and steel, ensuring durability, vibration dampening, and long service life. Ideal for industrial machinery, HVAC systems, and agricultural equipment.

RANGES	1.5" (38.1MM) OD TO 140"(3556MM) OD
SECTIONS	SP Z ,A / SPA, B, SPB, C, SPC, D, E.
GROOVES	SINGLE GROOVE TO MULTIPLES.
TYPES	ARMS, HOLLOW, PLATE, SPLITE(TWO-PIECE), HALF SOLID, SOLID.
MOC	CAST IRON (GRADED),SPHEROIDAL GRAPHITE IRON ,MILD STEEL,ALLUMIINIUM.



MAHALAXMI INDUSTRIES

PULLEYS - TYPE 2 V-BELT PULLEYS (TAPPERLOCK & QUICK-DISCONNECTING (QD))

Mahalaxmi's advanced V-Belt Pulleys are available in Taper Lock and Quick-Disconnecting (QD) configurations, engineered for high-performance and ease of maintenance.

Manufactured from high-grade cast iron or steel, both variants conform to international standards (DIN, ISO) and are suitable for demanding industrial environments including HVAC, material handling, and heavy machinery.



RANGES	3:"(76.2MM) OD TO 96" (2438.4MM) OD.
SECTIONS	SPZ,A, SPA ,B , SPB , C , SPC, D.
GROOVES	SINGLE GROOVE MULTIPLES.
TYPES	ARMS, HOLLOW, PLATE, HALF-SOLID, SOLID.
MOC	CAST IRON (GRADED),SPHEROIDAL GRAPHITE IRON ,MILD STEEL,ALLUMIINIUM.



MAHALAXMI INDUSTRIES

PULLEYS - TYPE 3 FLAT BELT PULLEYS

Mahalaxmi's Flat Belt Pulleys are designed for smooth and efficient power transmission across extended shaft distances. Precision-balanced and crowned for optimal belt tracking, these pulleys operate on frictional contact, making them ideal for high-speed, low-torque applications. Manufactured from cast iron, steel, or laminated wood, they offer excellent dimensional stability and wear resistance. Available in solid and split-hub designs, they support various belt widths and diameters, conforming to IS:1691 standards. Commonly used in textile machinery, conveyors, and legacy industrial setups, they ensure quiet operation with minimal vibration and maintenance.

We are also provide Tailor-Made Solution.

RANGES	3"(76.2MM) OD TO 96" (2438.4MM) OD.
SECTIONS	1.5"(38.1MM) WIDTH TO 40" (1016MM) WIDTH
TYPES	ARMS,HOLLOW,PLATE,SPLITE(TWO-PIECE),HALF SOLID,SOLID,TAPERLOCK.
MOC	CAST IRON (GRADED),SPHEROIDAL GRAPHITE IRON ,MILD STEEL,ALLUMIINIUM.



MAHALAXMI INDUSTRIES

PULLEYS - TYPE 4 TIMING BELT PULLEYS

Mahalaxmi's Timing Belt Pulleys are engineered for synchronous power transmission, ensuring precise speed ratios and zero slippage in critical drive systems. Featuring machined tooth profiles that mate seamlessly with timing belts, these pulleys deliver high torque capacity with minimal noise and vibration. Available in trapezoidal (MXL, XL, L, H) and curvilinear (HTD, GT2) profiles, they support a wide range of pitch sizes and configurations.

Manufactured from high-grade aluminum, steel, or cast iron, each pulley is dynamically balanced for high-speed performance and long service life. Options include pilot bore, taper lock, and QD hubs, with anti-backlash designs available for precision indexing applications. Widely used in automation systems, CNC machinery, packaging equipment, and robotics, these pulleys conform to international standards (ISO, DIN) and are optimized for clean, lube-free operation.

RANGES	1.5"(76.2MM) OD TO 55" (1397MM) OD
SECTIONS	MXL,XL,L,H,XH,3M,5M,8M,14M,3MR,5MR,T2,T5,T10,AT5,AT10.
TYPES	ARMS,HOLLOW, PLATE,HALF-SOLID,SOLID,FLANGED COVERED,TAPPERLOCK.
MOC	MILD STEEL, EN SERIES(GRADED),ALLUMINIUM.



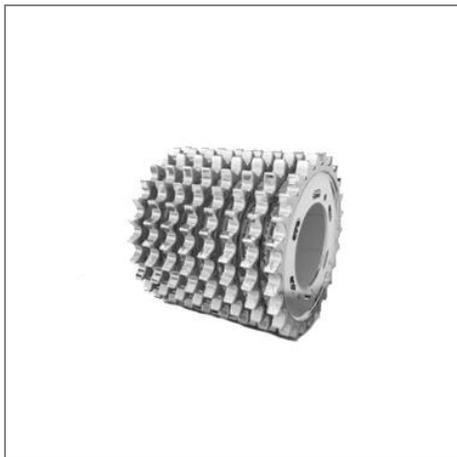
MAHALAXMI INDUSTRIES

CHAIN SPROCKET

Mahalaxmi's Chain Sprockets are engineered for robust rotary motion transmission in chain-driven systems. Featuring precision-machined tooth profiles, these sprockets ensure smooth engagement with roller chains, minimizing wear and maximizing efficiency. Available in single, duplex, and triplex configurations, they support ANSI, ISO, and BS chain standards across a wide range of pitches.

Constructed from C45 steel, stainless steel, or cast iron, each sprocket is heat-treated for enhanced surface hardness and durability. Options include pilot bore, taper lock, QD, and split-hub designs, facilitating easy installation and maintenance. Ideal for conveyors, material handling systems, agricultural machinery, and industrial gearboxes, these sprockets deliver consistent torque transfer with minimal backlash.

RANGES	1"(25MM) OD TO 59"(1500MM) OD./ 8TEETH TO 180TEETHS.
SECTIONS	SIMPLEX TO EIGHTPLEX.
PITCHES	6MM TO 150MM/1/4" TO 6"
TYPES	ARMS,PLATE,SOLID,SPLITE(TWO-PIECE),TAPPERLOCK.
MOC	MILD STEEL, EN SERIES(GRADED),CAST IRON.



MAHALAXMI INDUSTRIES

ROLLER CHAINS

Mahalaxmi's Roller Chains are precision-engineered for positive, non-slip power transmission in industrial and mechanical systems. Comprising interlinked rollers, bushings, and side plates, these chains deliver consistent torque transfer with minimal elongation and wear. Designed to mesh seamlessly with sprockets, they ensure high mechanical efficiency—up to 98%—even under continuous-duty cycles.

Key technical features include:

- **Construction:** Hardened steel rollers rotate over bushings, reducing friction and wear; side plates are interference-fitted for structural integrity.
- **Configurations:** Available in single, duplex, and triplex strands, conforming to ANSI, ISO 606, DIN 8187/8188 standards.
- **Pitch Range:** Offered in pitches from 6.35 mm to 76.2 mm, suitable for light to heavy-duty applications.
- **Material Options:** Carbon steel, stainless steel, and nickel-plated variants for corrosion resistance and extended service life.
- **Lubrication:** Supports manual, drip, or oil bath lubrication; self-lubricating options available for maintenance-free operation.

Widely used in conveyors, packaging lines, agricultural machinery, automotive systems, and material handling equipment, these chains offer high tensile strength, dimensional stability, and reliable performance in demanding environments.

TYPES	STANDARD ROLLER CHAINS, ATTACHMENT CHAINS, EXTENDED PIN CHAINS, HOLLOW PIN CHAINS, ACCUMULATOR CHAINS, RUBBER TOP CHAINS, SELF LUBE CHAINS, O-RING CHAINS, SPECIAL CHAINS, CORROSION RESISTANT CHAINS, LEAF CHAINS, CONVEYOR CHAINS, TEXTILE CHAINS
PITCH	6MM TO 6"



MAHALAXMI INDUSTRIES

WORM REDUCTION GEARBOX

Mahalaxmi's Worm Reduction Gearboxes are designed for high-torque, low-speed transmission with compact form factors and smooth operation. Utilizing a worm and worm wheel mechanism, these gearboxes achieve substantial speed reduction ratios—ranging from 5:1 to 70:1 in single reduction and up to 4900:1 in double reduction configurations.

Widely used in conveyors, stirrers, cooling towers, hoists, and heavy-duty industrial machinery, these gearboxes offer self-locking capability, quiet operation, and high shock-load absorption—making them ideal for space-constrained and safety-critical applications.

TYPES	MNU, MNU-V, FFMU, UFR, UFRV
UNIT SIZE	1.75 TO 17 CENTER DISTANCE
GEAR RATION	5:1 TO 70:1
MOTOR SIZE	IEC FRAME SIZES 63 TO 315



MAHALAXMI INDUSTRIES

HELICAL REDUCTION GEARBOX

Mahalaxmi's Helical Reduction Gearboxes are engineered for high-efficiency torque transmission with smooth, silent operation across demanding industrial applications. Utilizing helical gear profiles, these gearboxes offer superior load distribution and reduced noise compared to spur gear systems.



Key technical highlights include:

- **Gear Design:** Case-hardened and precision-ground helical gears with optimized tooth geometry for high contact ratio and minimal backlash.
- **Housing:** Robust, ribbed cast iron housing ensures structural rigidity and effective heat dissipation under continuous duty cycles.
- **Configurations:** Available in single, double, triple, and quadruple reduction stages with parallel or right-angle shaft arrangements.
- **Mounting Options:** Foot-mounted, flange-mounted, and shaft-mounted variants with solid or hollow output shafts (keyed, splined, or shrink disc).
- **Bearings & Seals:** Heavy-duty antifriction bearings and high-integrity oil seals for extended service life in dusty or high-temperature environments.
- **Lubrication:** Splash or forced lubrication systems with optional cooling coils or fans for thermal stability in continuous operations.

Widely used in **conveyors, crushers, mixers, hoists, and heavy-duty processing equipment**, these gearboxes conform to DIN and AGMA standards, offering high torque density, modularity, and long-term reliability.

RANGES	5KW TO 1410KW
UNIT SIZE	90MM TO 800MM CENTRE DISTANCE
GEAR RATIOS	1.25:1 TO 560:1
NO. OF STAGES	TWO STAGE, THREE STAGE, FOUR STAGE
MOTOR SIZES	IEC FRAME SIZES 63 TO 315



MAHALAXMI INDUSTRIES

IN LINE HELICAL REDUCTION GEARBOX

Mahalaxmi's In-Line Helical Reduction Gearboxes are designed for **efficient torque transmission** with compact, coaxial shaft alignment—ideal for space-constrained industrial setups. Utilizing **helical gears arranged in a linear configuration**, these gearboxes deliver high mechanical efficiency (up to 96%) with low noise and vibration.

Key technical features include:

- **Gear Construction:** Case-hardened alloy steel gears with precision-ground tooth profiles for high contact ratio and smooth meshing.
- **Housing:** Monolithic cast iron or aluminum housing with ribbed structure for enhanced rigidity and thermal dissipation.
- **Reduction Stages:** Available in **single, double, and triple reduction options**,
- **Mounting Flexibility:** Foot-mounted, flange-mounted, and shaft-mounted variants with IEC/NEMA motor compatibility.
- **Bearings & Seals:** Heavy-duty ball or taper roller bearings with high-integrity oil seals for long service life in harsh environments.
- **Lubrication:** Synthetic oil-filled for lifetime lubrication; optional cooling fans or coils for continuous-duty applications.

Widely used in **conveyors, mixers, packaging lines, and material handling systems**, these gearboxes conform to **DIN and AGMA standards**, offering high load capacity, minimal backlash, and reliable performance under dynamic loads.

RANGE	0.18KW TO 37KW
TWO STAGE UNIT SIZES	M102,M128,M142,M160,M162
THREE STAGE UNIT SIZES	M12,M21,M30,M60,M85,M150
OUTPUT TORQUE	UP TO 20000NM
GEAR RATIOS	5:1 TO 360:1
MOTOR SIZES	IEC FRAME SIZES 63 TO 315



MAHALAXMI INDUSTRIES

SHAFT MOUNTED SPEED REDUCER GEARBOX

Mahalaxmi's Shaft Mounted Speed Reducer (SMSR) Gearboxes are compact, high-torque transmission units designed for direct mounting onto the driven shaft, eliminating the need for base plates or couplings. Engineered for conveyor systems, crushers, and bulk material handling, these gearboxes offer simplified installation and maintenance with integrated torque arms for belt tensioning.

Key technical features include:

- **Gear Design:** Helical gears made from case-hardened alloy steel, precision-ground for high efficiency (up to 98%) and quiet operation.
- **Mounting Configuration:** Direct shaft mounting with hollow output shaft; available in sizes B to H with ratios of **5:1, 13:1, and 20:1**.
- **Torque Arm System:** Adjustable torque arm enables quick belt tensioning and alignment without disturbing the gearbox.
- **Housing:** High-strength cast iron body with ribbed design for shock absorption and thermal stability.
- **Bearings & Seals:** ISO-compliant taper roller bearings and double-lip oil seals ensure long service life in dusty or high-load environments.
- **Lubrication:** Filled with synthetic or mineral oil; supports splash lubrication with breather and drain plug.
- **Optional Features:** Backstop mechanism for anti-reverse operation, CEMA screw conveyor adaptors, and Taper-Grip bushings for secure shaft fitment.

Widely used in **cement plants, mining operations, road construction machinery, and textile processing**, these gearboxes deliver **high torque density, minimal footprint**, and proven reliability under continuous-duty cycles.

UNIT SIZES	TABLE :- C,D,E,F,G,H
INPUT POWER	UP TO 55KW
OUTPUT TORQUE	UP TO 5000NM
GEAR RATIOS	SINGLE REDUCTION UP TO 5:1 , DOUBLE REDUCTION UP TO 25:1

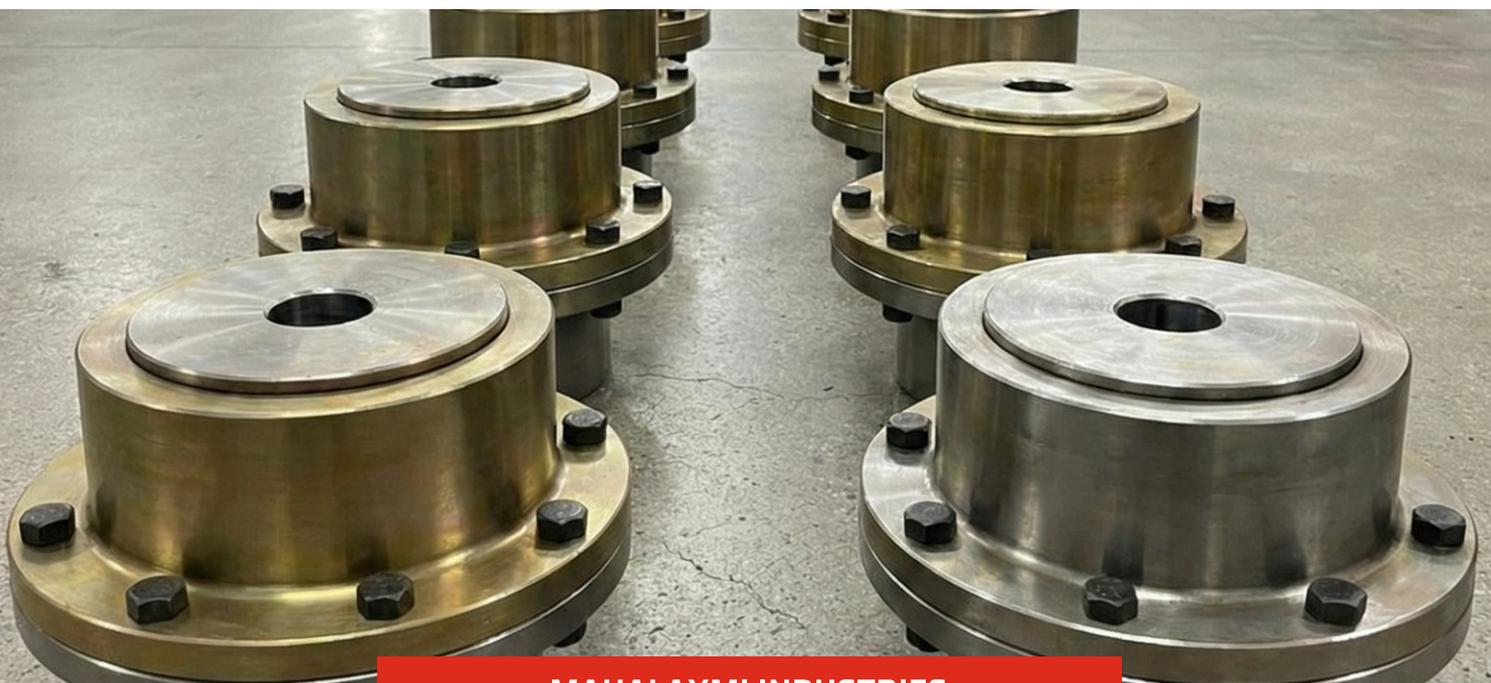


FLEXIBLE GEAR COUPLING

Mahalaxmi's Flexible Gear Couplings are engineered for high-torque transmission while accommodating angular, parallel, and axial misalignments between connected shafts. Designed with crowned gear teeth and precision-machined hubs, these couplings ensure uniform load distribution and smooth torque transfer under dynamic conditions.

Widely used in steel mills, compressors, blowers, conveyors, and heavy-duty industrial drives, these couplings conform to AGMA and DIN standards, offering high torque density, vibration damping, and reliable performance in demanding environments.

TYPES	Full Gear, Half Gear, Rigid
SIZE	M100 to M119
RATING RANGE	5.9KW to 17454KW @100RPM
TORQUE RANGE	559NM to 1666744NM
BORE RANGE	13MM TO 710MM
MOC	ALLOY STEEL EN-19



MAHALAXMI INDUSTRIES

FLEXIBLE CHAIN COUPLING

Mahalaxmi's Flexible Chain Couplings are compact, all-steel power transmission units designed for high torque transfer with built-in flexibility to accommodate angular, parallel, and axial misalignments. These couplings consist of two sprocketed hubs connected by a duplex roller chain, forming a rugged and balanced assembly that ensures smooth torque transmission even under dynamic loads.

SIZE	12 TEETH TO 30 TEETH
PITCH	1/2" to 1 1/2"
MOC	MILD STEEL, EN SERIES (HIGH GRADE)



FLEXIBLE PINBUSH COUPLING

Mahalaxmi's Flexible Pinbush Couplings are designed for reliable torque transmission while accommodating multi-directional shaft misalignments and damping torsional vibrations. These couplings feature barrel-shaped rubber bushes mounted between flanged hubs and high-tensile steel pins, offering enhanced flexibility and shock absorption compared to plain bush designs.

SIZE	3" OD to 26" OD: BC-1 TO NBC-11
RATING RANGE	1.0KW TO 5105KW
TORQUE RANGE	95NM TO 487492 NM
BORE RANGE	11MM TO 320MM
MOC	CAST IRON (HIGH GRADE FG260)



MAHALAXMI INDUSTRIES

FLEXIBLE JAW COUPLING

Mahalaxmi's Flexible Jaw Couplings are compact, fail-safe power transmission units designed to absorb shock loads, dampen vibrations, and accommodate angular and parallel misalignments between connected shafts. These couplings feature interlocking metal hubs with a resilient elastomeric spider element compressed between them, ensuring smooth torque transfer and minimal backlash.

Widely used in pumps, compressors, gearboxes, conveyors, and general industrial drives, these couplings conform to AGMA and DIN standards, offering quiet operation, high torsional stiffness, and long service life in demanding environments.

TYPES	12 TEETH TO 30 TEETH
SIZES	1/2" to 1 1/2"
POWER RATING	MILD STEEL, EN SERIES (HIGH GRADE)
BORE RANGE	6MM TO 600MM
MOC	CAST IRON (HIGH GRADE - FG260)



MAHALAXMI INDUSTRIES

FLEXIBLE TYRE COUPLING

Mahalaxmi's Flexible Tyre Couplings are torsionally soft, high-performance units designed to **absorb shock loads, dampen vibrations**, and accommodate **large angular, parallel, and axial misalignments**. These couplings feature a **reinforced rubber tyre element** mounted between two precision-machined steel flanges, forming a rugged yet flexible assembly ideal for dynamic industrial environments.

Key technical features include:

- **Misalignment Compensation:** Supports up to **4° angular, 6 mm parallel, and 8 mm axial** offsets without inducing excessive restoring forces.
- **Construction:** Tyre made from **natural rubber or FRAS (fire-resistant, antistatic, oil-resistant)** compound bonded with synthetic cord plies; flanges in **cast or forged steel** with optional taper bush mounting.
- **Torque Transmission:** Backlash-free operation with torsional flexibility up to **12°**, ensuring smooth power delivery under fluctuating loads.
- **Installation & Maintenance:** Radial assembly/disassembly possible without disturbing connected shafts; tyre replacement is quick and tool-friendly.
- **Temperature Range:** Operates reliably between **-50°C to +70°C**, suitable for indoor and outdoor installations.
- **Variants:** Available in standard, spacer, and brake drum-integrated types; conforms to **IS:14285 and IPSS:1-01-004** standards for industrial applications.

Widely used in **pumps, compressors, conveyors, mixers, and steel processing equipment**, these couplings offer **quiet operation, long service life**, and exceptional resilience in high-shock environments.

SERIES	F, A, AF, TC, PH.
SIZES	F-40 TO F-250, A-2 TO A-300, TC-04 TO TC-25, PH-86 TO PH-520
TYPES	STRAIGHT BORE(B) AND TAPERLOCK BUSH (F/H)
POWER RATING	0.25 KW 154KW @100RPM
BORE RANGE	32MM TO 190MM
MOC	CAST IRON (HIGH GRADE - FG260)



MAHALAXMI INDUSTRIES

NYLON SLEEVE GEAR COUPLING

Mahalaxmi's Nylon Sleeve Gear Couplings are compact, maintenance-free units designed for smooth torque transmission with excellent misalignment compensation. These couplings feature two precision-machined steel gear hubs engaged within a high-strength nylon sleeve, offering quiet, backlash-free operation in medium-duty applications.

Key technical features include:

- **Construction:** Steel hubs with crowned gear teeth mesh inside a molded nylon sleeve, allowing for **axial, angular, and radial misalignments** without inducing edge pressure.
- **Material Properties:** Nylon sleeves are made from **engineering-grade polyamide**, offering high thermal stability (-25°C to $+100^{\circ}\text{C}$), chemical resistance, and low friction.
- **Performance:** Torsionally stiff design ensures consistent torque transfer with minimal vibration; ideal for speeds up to **6000 RPM** depending on size.
- **Installation:** Blind assembly with slip-fit components enables quick installation and inspection without disturbing shaft alignment.
- **Variants:** Available in standard and junior plug-in types, with finished bores conforming to **ISO H7** and keyways per **DIN 6885**.

Widely used in pumps, blowers, packaging machinery, and general-purpose drives, these couplings offer lightweight design, electrical insulation, and reliable performance in clean, dry environments.

SIZES	M19 TO M125
TORQUE RATING	17NM TO 2749NM
BORE RANGE	6MM TO 125MM



UNIVERSAL JOINT COUPLING

Mahalaxmi's Universal Joint Couplings are precision-engineered for **torque transmission between misaligned shafts**, enabling smooth rotary motion across angular offsets. These couplings utilize a **cross-and-yoke mechanism** (also known as Cardan or Hooke's joint) to accommodate **up to 45° angular misalignment** in single joints and **up to 90°** in double joint configurations

Key technical features include:

- **Design:** Two yokes connected via a central cross (spider) with hardened trunnions and needle roller bearings for low-friction, high-load operation.
- **Variants:** Offered in **single, double, and telescopic drive** shaft assemblies for constant velocity and extended axial displacement.
- **Material Options:** Available in **alloy steel, stainless steel, and thermoplastic composites** for corrosion resistance, electrical insulation, and high-speed performance.
- **Torque & Speed:** Supports high RPM and torque loads with minimal backlash; ideal for dynamic applications requiring flexibility and durability.
- **Lubrication & Sealing:** Pre-lubricated designs with optional boots or seals for dust protection and extended service life.
- **Customization:** Bore styles include **solid, keyed, splined, hex, and square**, tailored to specific shaft configurations.

Widely used in automotive drivelines, industrial machinery, textile equipment, packaging systems, and precision instruments, these couplings conform to AGMA, DIN, and ISO standards, offering reliable performance under variable angular conditions.

TYPES	M, HM, M-STAINLESS, NEEDLE BEARING, LOJ, MULTI SPNDLE
SIZES	M-1 TO M-14
BORE RANGE	2MM TO 50MM
TORQUE RATING	UPTO 7389NM



MAHALAXMI INDUSTRIES

MUFF COUPLING

Mahalaxmi's Muff Couplings are rigid shaft connectors designed for **precise torque transmission** between co-axial shafts in aligned systems. These couplings consist of a **single-piece cast iron sleeve (muff)** that fits over the ends of two shafts, secured via a **gib head key**, ensuring a firm and backlash-free connection.

Key technical features include:

- **Construction:** Solid cylindrical sleeve with internal bore matching shaft diameter; precision-machined for tight fit and uniform torque transfer.
- **Material:** Made from **close-grained cast iron or alloy steel**, offering high tensile strength and wear resistance.
- **Torque Transmission:** Power is transmitted through the key and sleeve interface, with torque capacity dependent on shaft diameter and key dimensions.
- **Design Standards:** Conforms to **IS and DIN specifications**; sleeve dimensions typically follow $D = 2d + 13 \text{ mm}$ and $L = 3.5d$ (where d = shaft diameter).
- **Applications:** Ideal for **line shafting, pumps, compressors, and low-speed machinery** where shaft alignment is critical and misalignment is minimal.

Advantages include compact design, ease of manufacturing, and cost-effectiveness, while limitations involve inability to accommodate misalignment or absorb shock loads, making them best suited for rigid setups.

Advantages include **compact design, ease of manufacturing, and cost-effectiveness**, while limitations involve **inability to accommodate misalignment or absorb shock loads**, making them best suited for rigid setups.

SIZES	M-20 TO M-280
BORE RANGE	20 MM TO 280 MM
TORQUE RATING	235 NM TO 205422 NM



BEARING PEDESTALS

Mahalaxmi's Bearing Pedestals—also known as **Plummer Blocks or Pillow Blocks**—are robust, modular housings designed to support rotating shafts with minimal friction and maximum alignment stability. These units integrate ball or roller bearing inserts within heavy-duty cast iron or steel housings, providing a secure base for high-load, high-speed applications.

Key technical features include:

- **Housing Design:** Precision-machined pedestal base with bolt-through mounting holes; available in **split and solid configurations** for easy installation and maintenance.
- **Bearing Inserts:** Supports **deep groove ball bearings, spherical roller bearings, or self-aligning units**, depending on load and speed requirements.
- **Sealing Options:** Equipped with **labyrinth seals, end covers, and grease nipples** to retain lubrication and prevent contamination.
- **Alignment & Load Handling:** Self-aligning variants compensate for shaft deflection and misalignment; designed to handle **radial and axial loads** efficiently.
- **Material & Finish:** Housings made from **close-grained cast iron, ductile iron, or stainless steel** for corrosion resistance and structural integrity.
- **Standards & Sizes:** Conforms to **IS, DIN, and ISO** standards; available in metric and imperial sizes with bore diameters ranging from **20 mm to 300 mm**.

Widely used in conveyors, fans, blowers, crushers, agricultural machinery, and marine equipment, these pedestals offer quiet operation, long service life, and simplified shaft support in both static and dynamic systems.

TYPES	S, SN, SNA, SNH, SNL, SAF, TVN, SN-3000, SD, UCP, UC, UCF, UCFA, UCFB, UCFC, UCPA, UCPH, UCT, SBFF, SBPFL
SIZES	S SERIES :- 505 TO 640, UC-SERIES :- 202 TO 330
BORE RANGE	10MM TO 220MM



GEARS & PINIONS

Mahalaxmi's Gears & Pinions are precision-engineered for rotational power transmission, offering reliable speed control, torque multiplication, and directional change across industrial systems. These components operate in meshed pairs—where the pinion (smaller gear) drives the larger gear—delivering smooth motion transfer with high mechanical efficiency.

Key technical features include:

- **Gear Types:** Available in *spur, helical, bevel, worm, and rack & pinion* configurations to suit parallel, intersecting, or skewed shaft arrangements.
- **Material Options:** Manufactured from *alloy steel, cast iron, stainless steel*, or case-hardened materials, with optional surface treatments like nitriding or induction hardening for wear resistance.
- **Tooth Profiles:** Precision-cut using *hobbing, shaping, or grinding*, with optimized pressure angles for minimal backlash and noise.
- **Pinion Characteristics:** Typically smaller with fewer teeth, rotating faster to drive the gear; ideal for *speed reduction and torque amplification*.
- **Mounting & Integration:** Offered in *pilot bore, taper lock, keyed, or splined* formats for seamless integration into gearboxes, reducers, and drive assemblies.
- **Quality Standards:** Conforms to *AGMA, DIN, and ISO* specifications for pitch accuracy, surface finish, and load capacity.

Widely used in **gearboxes, conveyors, automotive systems, machine tools, and heavy-duty industrial drives**, Mahalaxmi's Gears & Pinions deliver **high torque density, long service life**, and consistent performance under dynamic loads.

TYPES	AVAILABLE IN SPUR, HELICAL, BEVEL, WORM, AND RACK & PINION CONFIGURATIONS TO SUIT PARALLEL, INTERSECTING, OR SKEWED SHAFT ARRANGEMENTS.
PINION CHARACTERISTICS:	TYPICALLY SMALLER WITH FEWER TEETH, ROTATING FASTER TO DRIVE THE GEAR; IDEAL FOR SPEED REDUCTION AND TORQUE AMPLIFICATION.



HEAVY DUTY GIRTH GEARS

Mahalaxmi's Gears & Pinions are precision-engineered for rotational power transmission, offering reliable speed control, torque multiplication, and directional change across industrial systems. These components operate in meshed pairs—where the pinion (smaller gear) drives the larger gear—delivering smooth motion transfer with high mechanical efficiency.

TYPES	SPUR GEARS & SPUR PINIONS
MOC	MILD STEEL, CAST STEEL, EN SERIES (GRADED)



WORM WHEELS AND WORM SHAFTS

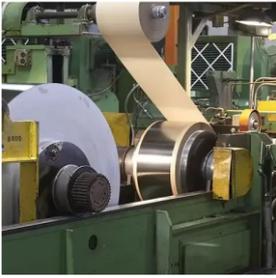
Mahalaxmi's Worm Gear Sets—comprising Worm Shafts and Worm Wheels—are precision-engineered for smooth, quiet, and high-torque transmission in compact spaces. These gear pairs are ideal for applications requiring large speed reductions, self-locking capability, and shock-load resilience.

TYPES	CUSTOMISED
MOC	EN SERIES(GRADED), BRONZE



MAHALAXMI INDUSTRIES

APPLICATION



Rolling Mill



Paper Mill



Rice Mill



Crusher Mill



Road Construction



Packaging Industry



Pharmaceuticals



Heat Exchangers



Beverages



Food Processing



Textile Machinery



Fertilizer



Oil- Gas



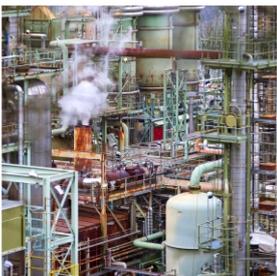
Boilers



Aerospace



Sugar Plant



Petroleum Refineries



Automotive



Cement Plant



Railways

MAHALAXMI INDUSTRIES

Our Market Spread



Part-1, Mathur Master Estate, Nr. Nagarvel Hanuman Temple,
Amraiwadi Road, Ahmedabd - 382426



+91-9825743120 / 9825043120



info@mahalaxmipulley.com

