

OSANTS

TRANSMISSION COMPONENTS

SOLUTIONS ENGINEERED TO
MEET YOUR REQUIREMENTS



PREMIUM
QUALITY



PRECISION
MACHINED



RELIABLE &
DURABLE



INDUSTRY
PROVEN



POWERING PROGRESS TOGETHER



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INTRODUCTION

Power transmission systems transfer mechanical energy from a power source to driven equipment, enabling efficient movement, speed control, torque multiplication, and precision operation.

POWER FLOW DIAGRAM



COMPONENT FUNCTIONS



BEARINGS

Reduce friction and support rotating shafts.



GEARBOXES

Modify speed and increase torque.



COUPLINGS

Connect rotating shafts while compensating for misalignment.



CLUTCHES

Engage and disengage power transmission.



SHAFTS

Transfer rotational power throughout the system.



CHAIN SYSTEMS

Transmit power over longer center distances.



PULLEY SYSTEMS

Provide efficient belt-driven power transfer.

BENEFITS



INCREASED EFFICIENCY

Optimize performance and reduce energy consumption.



REDUCED DOWNTIME

Reliable components minimize interruptions and keep operations running.



EXTENDED EQUIPMENT LIFE

High-quality components withstand demanding conditions.



IMPROVED OPERATIONAL RELIABILITY

Consistent performance ensures smoother operations and greater productivity.

INDUSTRY APPLICATIONS

WHERE OUR TRANSMISSION COMPONENTS EXCEL



MANUFACTURING

Conveyors,
assembly lines,
packaging systems



MINING

Heavy-duty
material handling
equipment



AGRICULTURE

Harvesters,
irrigation systems,
processing equipment



AUTOMOTIVE

Production
equipment and
drivetrain support



FOOD & BEVERAGE

Sanitary processing
and packaging
systems



MATERIAL HANDLING

Warehouses,
conveyors,
automated systems



ENERGY

Power generation
and industrial
infrastructure

KEY BENEFITS



HIGH RELIABILITY

Engineered for
consistent performance
in demanding conditions.



LOW MAINTENANCE

Built to reduce wear
and extend service
intervals.



MAXIMUM UPTIME

Dependable components
that keep your operations
running longer.



GLOBAL STANDARDS COMPLIANCE

Manufactured to meet
international quality
and safety standards.



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BEARINGS

SMOOTH OPERATION. MAXIMUM RELIABILITY.



REDUCED FRICTION

For smoother and more efficient performance.



MAXIMUM RELIABILITY

Built to perform in demanding conditions.



EXTENDED LIFE

Engineered for long service and durability.



PRECISION ENGINEERED

Manufactured to the highest quality standards.



OVERVIEW

Precision bearings designed to reduce friction, support loads, and maximize equipment performance.



FEATURES

- ✓ High load capacity
- ✓ Precision manufacturing
- ✓ Long service life
- ✓ Low friction operation



AVAILABLE TYPES



BALL BEARINGS



ROLLER BEARINGS



TAPERED BEARINGS



ANGULAR CONTACT BEARINGS



SPHERICAL BEARINGS



APPLICATIONS



GEARBOXES



ELECTRIC MOTORS



PUMPS



CONVEYORS



INDUSTRIAL MACHINERY

SANTS



CHAIN SYSTEMS

BUILT TO TRANSMIT POWER EFFICIENTLY.



HIGH TENSILE STRENGTH

Built to handle heavy loads and harsh conditions.



WEAR-RESISTANT CONSTRUCTION

Advanced materials deliver superior wear resistance.



PRECISION PITCH CONTROL

Ensures smooth engagement and optimal performance.



LONG OPERATIONAL LIFE

Designed for durability and reduced maintenance.



OVERVIEW

Engineered chain drive solutions delivering reliable power transfer under demanding operating conditions.



FEATURES

- ✓ High tensile strength
- ✓ Wear-resistant construction
- ✓ Precision pitch control
- ✓ Long operational life



AVAILABLE PRODUCTS



ROLLER CHAINS



CONVEYOR CHAINS



SPROCKETS



SPECIALTY CHAINS



APPLICATIONS



CONVEYORS

Reliable power transmission for continuous operation.



PACKAGING EQUIPMENT

Smooth, precise power transfer for packaging lines.



AGRICULTURAL MACHINERY

Durable solutions for harvesters, planters, and more.



MATERIAL HANDLING SYSTEMS

Built to move materials efficiently and reliably.

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CLUTCHES

ENGAGE PERFORMANCE. EVERY TIME.



SMOOTH ENGAGEMENT

Ensures consistent and controlled performance.



HIGH TORQUE CAPACITY

Handles demanding loads with confidence.



REDUCED WEAR

Built to minimize wear and extend service life.



RELIABLE OPERATION

Engineered for long-term reliability in critical applications.



OVERVIEW

Advanced clutch systems designed for controlled engagement, torque transmission, and equipment protection.



FEATURES

- ✓ Smooth engagement
- ✓ High torque capacity
- ✓ Reduced wear
- ✓ Reliable operation



AVAILABLE TYPES



FRICION CLUTCHES



ELECTROMAGNETIC CLUTCHES



TORQUE LIMITERS



INDUSTRIAL CLUTCH ASSEMBLIES



APPLICATIONS



INDUSTRIAL DRIVES

Reliable power transmission for a wide range of industrial systems.



PACKAGING MACHINERY

Smooth, precise operation for packaging and processing lines.



PROCESS EQUIPMENT

Built for continuous operation in critical process applications.



MANUFACTURING SYSTEMS

Supports high-performance machinery and automated production lines.

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COUPLINGS

CONNECT WITH CONFIDENCE.



VIBRATION REDUCTION

Minimizes vibration and shock for smoother operation.



MISALIGNMENT COMPENSATION

Accommodates angular, parallel, and axial misalignment.



HIGH TORQUE CAPABILITY

Engineered to handle high torque loads with reliability.



MAINTENANCE-FRIENDLY DESIGN

Easy to install and maintain for long-term performance.



OVERVIEW

Flexible and rigid coupling solutions designed to connect rotating equipment while accommodating misalignment.



FEATURES

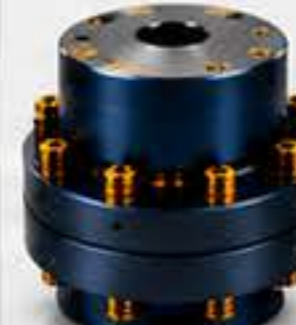
- ✓ Vibration reduction
- ✓ Misalignment compensation
- ✓ High torque capability
- ✓ Maintenance-friendly design



AVAILABLE TYPES



JAW COUPLINGS



GRID COUPLINGS



GEAR COUPLINGS



DISC COUPLINGS



FLEXIBLE COUPLINGS



APPLICATIONS



PUMPS

Reliable power transmission for pumping systems.



COMPRESSORS

Absorbs shock and misalignment in compressor drives.



MOTORS

Connects motors to driven equipment with accuracy.



GEAR DRIVES

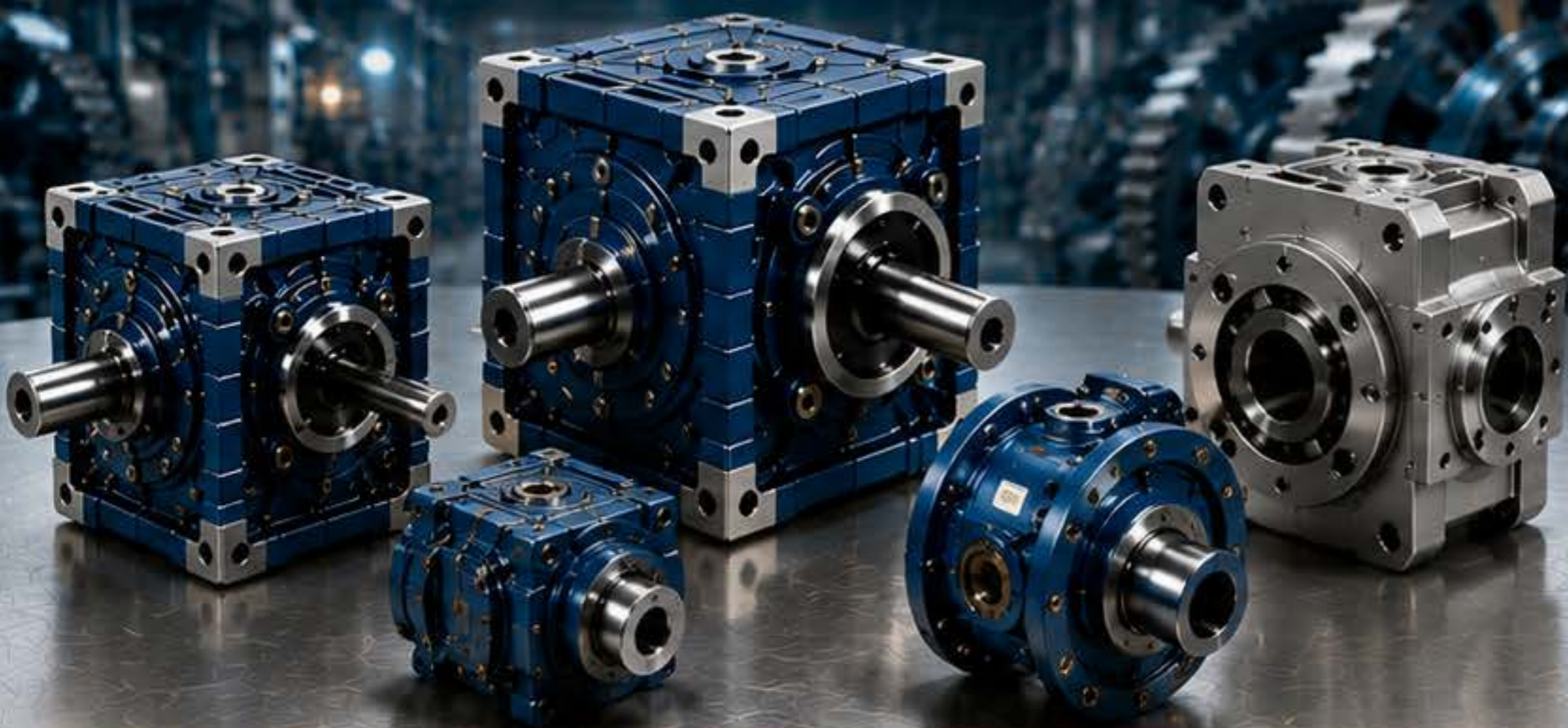
Ensures smooth and efficient power transfer in gear systems.

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GEARBOXES

POWER IN. PERFORMANCE OUT.



HIGH EFFICIENCY

Advanced gear technology delivers maximum power transmission with minimal energy loss.



RUGGED CONSTRUCTION

Built with premium materials for superior strength and durability in demanding conditions.



COMPACT DESIGN

Space-saving designs provide high performance in minimal footprint.



LONG SERVICE LIFE

Precision engineering and quality components ensure years of reliable operation.



OVERVIEW

High-performance gear reducers designed to optimize torque and speed for industrial applications.



FEATURES

- ✓ High efficiency
- ✓ Rugged construction
- ✓ Compact design
- ✓ Long service life



AVAILABLE TYPES



WORM GEARBOXES



HELICAL GEARBOXES



BEVEL GEARBOXES



INLINE GEAR REDUCERS



APPLICATIONS



CONVEYORS

Reliable power transmission for smooth and efficient material movement.



MIXERS

Delivers consistent torque and speed for optimal mixing performance.



MATERIAL HANDLING

Provides the power and reliability needed for heavy-duty handling systems.



INDUSTRIAL AUTOMATION

Ensures precision motion control in automated systems and machinery.

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PULLEY SYSTEMS

ENGINEERED FOR PRECISION AND EFFICIENCY.



B-112
B-112
B-112



QUIET OPERATION

Engineered for low noise and smooth, vibration-free performance.



REDUCED MAINTENANCE

Durable components designed to minimize wear and service needs.



HIGH EFFICIENCY

Optimized designs maximize power transmission efficiency and reduce energy loss.



FLEXIBLE SPEED RATIOS

Offers a wide range of speed options to match application requirements.



OVERVIEW

Reliable belt-driven transmission systems delivering smooth and efficient power transfer.



FEATURES

- ✓ Quiet operation
- ✓ Reduced maintenance
- ✓ High efficiency
- ✓ Flexible speed ratios



AVAILABLE PRODUCTS



TIMING PULLEYS



V-BELT PULLEYS



SYNCHRONOUS DRIVES



BELT SYSTEMS



APPLICATIONS



HVAC SYSTEMS

Ensures efficient performance in heating, ventilation, and air conditioning systems.



MANUFACTURING EQUIPMENT

Delivers consistent power transfer for production and processing machinery.



AGRICULTURAL MACHINERY

Provides reliable power transmission for tractors and farm equipment.



INDUSTRIAL DRIVES

Supports a wide range of industrial drive applications with smooth operation.

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SHAFTS

STRENGTH THAT KEEPS THINGS MOVING.



HIGH-STRENGTH MATERIALS

Built to withstand high loads and demanding conditions.



PRECISION TOLERANCES

Manufactured to tight tolerances for optimal fit and performance.



EXCELLENT FATIGUE RESISTANCE

Engineered for long service life and reliability.



CUSTOM CONFIGURATIONS AVAILABLE

Tailored solutions to meet your specific application needs.



OVERVIEW

Precision-machined shafts designed for reliable torque transmission and superior mechanical performance.



FEATURES

- ✓ High-strength materials
- ✓ Precision tolerances
- ✓ Excellent fatigue resistance
- ✓ Custom configurations available



AVAILABLE TYPES



KEYED SHAFTS



SPLINED SHAFTS



HOLLOW SHAFTS



PRECISION GROUND SHAFTS



APPLICATIONS



GEAR DRIVES

Transmit torque efficiently in gear drive systems.



MOTORS

Provide reliable power transmission in electric motors.



CONVEYORS

Ensure smooth and consistent operation in conveyor systems.



HEAVY INDUSTRIAL MACHINERY

Built for durability in demanding industrial applications.



YOUR TRUSTED POWER TRANSMISSION PARTNER

WHY CHOOSE OSANTS?



PREMIUM QUALITY

Manufactured to international standards.



PRECISION MACHINED

Tight tolerances for optimal performance.



WIDE APPLICATIONS

Solutions for automotive, industrial, and heavy machinery.



RELIABLE & DURABLE

Built for long service life and demanding conditions.



GET IN TOUCH



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