

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.





PRECISION IN MOTION

BEARINGS

PRECISION. RELIABILITY. PERFORMANCE.

High-performance bearings engineered for precision, reliability, and long service life.

FEATURES

-  High load capacity
-  Low friction design
-  Precision tolerances
-  Smooth operation
-  Corrosion resistance
-  Wide range of sizes

APPLICATIONS

-  Industrial machinery
-  Electric motors
-  Automotive
-  Robotics
-  Conveyor systems
-  Wind energy

BENEFITS

-  Enhanced durability
-  Reduced maintenance
-  High efficiency
-  Quiet performance
-  Consistent reliability
-  Longer service life



ENGINEERED
FOR PRECISION.



BUILT FOR RELIABILITY.
DESIGNED TO LAST.



OPTIMIZED FOR
PERFORMANCE.



POWERING INDUSTRY.
EVERY DAY.



PRECISION IN MOTION

CHAIN SYSTEMS

POWER. RELIABILITY. ENDURANCE.

High-performance chain systems engineered for reliable power transmission and long service life.

FEATURES

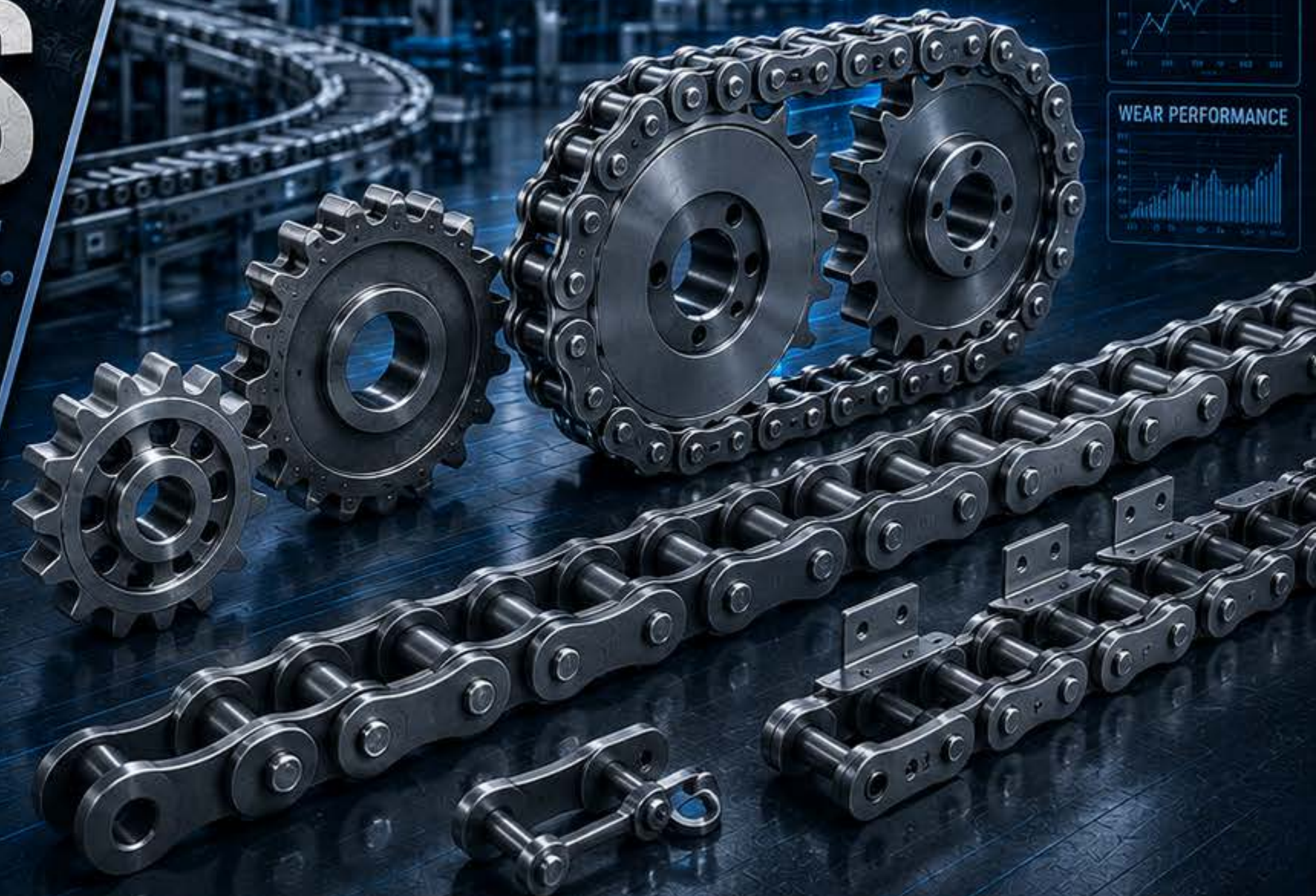
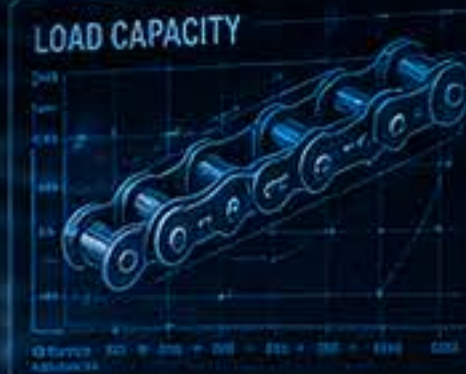
- High tensile strength
- High fatigue resistance
- Smooth & quiet operation
- Wear & impact resistant
- Corrosion protection
- Pre-lubricated options
- Wide range of sizes

APPLICATIONS

- Industrial machinery
- Conveyor systems
- Automotive
- Material handling
- Agricultural
- Robotics
- Packaging equipment

BENEFITS

- Reliable power transmission
- Reduced downtime
- Extended chain life
- High efficiency
- Consistent performance
- Low maintenance
- Cost-effective operation



ENGINEERED
FOR RELIABILITY.



BUILT FOR PERFORMANCE.
DESIGNED TO LAST.



SMOOTH POWER TRANSFER.
MAXIMUM EFFICIENCY.



POWERING INDUSTRY.
DRIVING PROGRESS.



PRECISION IN MOTION

CLUTCHES

ENGAGE. TRANSFER. PERFORM.

High-performance clutches engineered
for reliable power transmission and long service life.

FEATURES

- High torque capacity
- Smooth engagement
- Precision performance
- Heat resistance
- Wear resistance
- Corrosion protection
- Compact design

APPLICATIONS

- Automotive
- Industrial machinery
- Heavy equipment
- Agricultural
- Robotics
- Power generation
- Marine

BENEFITS

- Reliable power transfer
- Reduced downtime
- Enhanced durability
- High efficiency
- Consistent performance
- Long service life
- Lower maintenance



ENGINEERED
FOR RELIABILITY.



BUILT TO HANDLE TORQUE.
DESIGNED TO LAST.



SMOOTH ENGAGEMENT.
MAXIMUM CONTROL.



POWERING PERFORMANCE.
DRIVING EVERY MOMENT.



— PRECISION IN MOTION —

COUPLINGS

CONNECTING POWER. DELIVERING PERFORMANCE.

High-performance couplings engineered for precision, reliability, and long service life.

FEATURES

-  High torque capacity
-  Misalignment tolerance
-  Vibration damping
-  Smooth operation
-  Corrosion resistance
-  Wide range of sizes

APPLICATIONS

-  Industrial machinery
-  Pumps & compressors
-  Electric motors
-  Conveyors
-  HVAC systems
-  Marine & offshore

BENEFITS

-  Enhanced reliability
-  Reduced downtime
-  Protects equipment
-  High efficiency
-  Quiet performance
-  Longer service life



ENGINEERED
FOR PRECISION.



BUILT FOR RELIABILITY.
DESIGNED TO LAST.



OPTIMIZED FOR
PERFORMANCE.



POWERING INDUSTRY.
EVERY DAY.



PRECISION IN MOTION

GEARBOXES

TRANSMIT. TRANSFORM. PERFORM.

High-performance gearboxes engineered
for reliable power transmission and long service life.

FEATURES

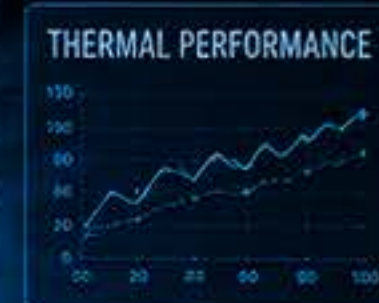
- High torque density
- Precision gearing
- Smooth & quiet operation
- High efficiency
- Low backlash
- Robust construction
- Compact design
- Wide range of ratios

APPLICATIONS

- Industrial machinery
- Conveyor systems
- Automotive
- Robotics
- Wind energy
- Agricultural
- Marine
- Material handling

BENEFITS

- Reliable power transmission
- Reduced downtime
- Extended service life
- High efficiency
- Consistent performance
- Low maintenance
- Versatile mounting
- Cost-effective operation



ENGINEERED
FOR RELIABILITY.



BUILT TO PERFORM.
DESIGNED TO LAST.



MAXIMUM EFFICIENCY.
MINIMAL DOWNTIME.



POWERING INDUSTRY.
DRIVING PROGRESS.



PRECISION IN MOTION

PULLEY SYSTEMS

DRIVE. CONTROL. PERFORM.

High-performance pulley systems engineered for reliable power transmission and long service life.

FEATURES

- High load capacity
- Precision balancing
- Smooth & quiet operation
- Low vibration
- Corrosion protection
- Compact design
- Wide range of sizes

APPLICATIONS

- Industrial machinery
- Conveyor systems
- HVAC systems
- Automotive
- Robotics
- Agricultural
- Power generation

BENEFITS

- Efficient power transmission
- Reduced maintenance
- Extended service life
- High efficiency
- Consistent performance
- Cost-effective solution
- Versatile integration



ENGINEERED
FOR PRECISION.



BUILT FOR RELIABILITY.
DESIGNED TO LAST.



SMOOTH OPERATION.
MAXIMUM EFFICIENCY.



POWERING INDUSTRY.
DRIVING PERFORMANCE.

SANTS

— PRECISION IN MOTION —

SHAFTS

STRENGTH. PRECISION. PERFORMANCE.

High-performance shafts engineered
for reliable power transmission and long service life.

FEATURES

-  High torsional strength
-  Precision machining
-  Excellent straightness
-  Surface hardening
-  Wear & fatigue resistance
-  Corrosion protection
-  Smooth operation
-  Wide range of sizes

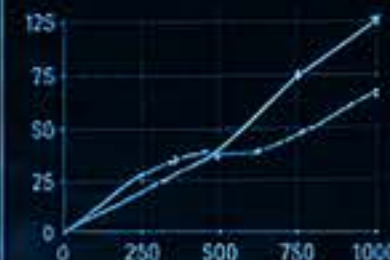
APPLICATIONS

-  Industrial machinery
-  Gearboxes
-  Pumps & compressors
-  Conveyor systems
-  Automotive
-  Robotics
-  Marine
-  Power generation

BENEFITS

-  Reliable power transmission
-  Reduced vibration
-  Extended service life
-  High efficiency
-  Consistent performance
-  Lower maintenance
-  Cost-effective solution
-  Custom engineering

TORSIONAL STRENGTH



STRAIGHTNESS TOLERANCE



SURFACE HARDNESS



FATIGUE STRENGTH



ENGINEERED
FOR STRENGTH.



BUILT FOR PRECISION.
DESIGNED TO LAST.



PRECISELY MACHINED.
PERFECTLY BALANCED.



POWERING INDUSTRY.
DRIVING PERFORMANCE.



PRECISION IN MOTION

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.



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