



**CHANGSHU YE LU SING FIRM**

**CATALOGUE**

# HYDRAULIC REDUCER & MOTOR

For Rotary Drilling Rig & Construction Machinery



## HIGH TORQUE

Delivers robust power for heavy-duty rotary drilling operations, ensuring reliable performance under extreme load conditions in construction sites.



## LOW SPEED PRECISION

Provides stable, low-speed rotation with exceptional positional accuracy, critical for precise drilling depth and angle adjustments.



## MACHINERY COMPATIBLE

Seamlessly integrates with a wide range of construction machinery, engineered to withstand the harsh operating environments of the industry.

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An overview of our company's history, core values, and vision for driving innovation in the industrial sector.



## 02 / PRODUCT OVERVIEW

A comprehensive look at our flagship product line, designed for durability, efficiency, and seamless integration.



## 03 / TECHNICAL SPECS

Detailed breakdown of engineering parameters, material composition, and performance metrics for precision and reliability.



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Key differentiators including cost-effectiveness, superior build quality, and industry-leading operational efficiency.



## 05 / APPLICATION FIELDS

Versatile use cases across manufacturing, logistics, infrastructure, and automation industries worldwide.



## 06 / CONTACT INFORMATION

Connect with our expert team for inquiries, collaborations, and support to find tailored solutions for your needs.

# COMPANY PROFILE



## INDUSTRY SPECIALIST

CHANGSHU YE LU SING FIRM is a professional supplier focused on high-performance hydraulic components for construction machinery.



## CORE PRODUCT PORTFOLIO

We specialize in manufacturing hydraulic reducers and motors, engineered to excel in the most demanding operational environments.



## RELIABLE POWER SOLUTIONS

Our products deliver robust and consistent power transmission, ensuring safety and efficiency for all heavy-duty applications.

Committed to engineering excellence, we empower construction machinery with dependable hydraulic systems for the modern industrial landscape.

# PRODUCT OVERVIEW



**GEAR REDUCER**



**MOTOR**

# PRODUCT OVERVIEW



**BANGFIGLIOLI BRAND**



**REXROTH BRAND**



**REXROTH BRAND MOTOR**

# PRODUCT OVERVIEW

## GEARBOX SPARE PARTS



# PRODUCT OVERVIEW

## MOTOR PARTS



# PRODUCT OVERVIEW

## GEARBOX REDUCER PRODUCTION



# PRODUCT OVERVIEW WAREHOUSE



# PRODUCT OVERVIEW HOT SALS MODELS



# TECHNICAL SPECIFICATIONS

## 01 / HYDRAULIC REDUCER



### AVAILABLE MODELS

GR-18 / GR-25 / GR-35 / GR-45 – comprehensive range for industrial needs.



### RATED TORQUE

1,800 ~ 60,000 N·m – delivers robust power for heavy-duty applications.



### REDUCTION RATIO

1:30 ~ 1:150 – precise speed control and torque multiplication.



### WORKING PRESSURE

25 ~ 32 MPa – engineered for high-pressure, continuous operation.

## 02 / HYDRAULIC MOTOR



### MODEL SERIES

HM-200 / HM-400 / HM-600 / HM-800 – versatile models for diverse tasks.



### DISPLACEMENT

200 ~ 800 ml/r – optimized fluid dynamics for maximum efficiency.



### OUTPUT TORQUE

500 ~ 2,500 N·m – high torque output for demanding industrial machinery.



### ROTATIONAL SPEED

10 ~ 500 rpm – wide speed range for precise operational flexibility.

# PRODUCT ADVANTAGES



## Superior Power Efficiency

Boasts an exceptional high torque density and optimized power-to-weight ratio, ensuring maximum performance in every application.



## Compact & Robust Build

Engineered with a compact and rugged structure, designed to withstand harsh industrial environments while saving valuable installation space.



## Quiet & Efficient Operation

Operates with minimal noise levels and high energy efficiency, reducing operational costs and creating a safer working environment.



## Exceptional Heavy Load Resistance

Delivers uncompromising performance under extreme heavy loads, maintaining stability and precision even in the most demanding operational conditions.



## Durable & Low Maintenance

Designed for an extended service life with minimal maintenance requirements, significantly lowering long-term ownership and upkeep expenses.

# APPLICATIONS



## Rotary drilling rig main drive

High-torque transmission systems designed for the extreme loads and continuous operation of rotary drilling rigs in foundation engineering.



## Winch system

Precision-engineered components ensuring reliable load handling and smooth lifting performance in heavy-duty winch applications.



## Crawler travel drive

Robust drive solutions for superior traction and maneuverability across rugged, uneven terrain in construction machinery.



## Excavator swing drive

High-efficiency swing mechanisms delivering precise control and stability for excavator upper structure rotation.



## Crane hoist mechanism

Heavy-duty lifting systems engineered for maximum safety and efficiency in crane operations and material handling.

# CONTACT US

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