



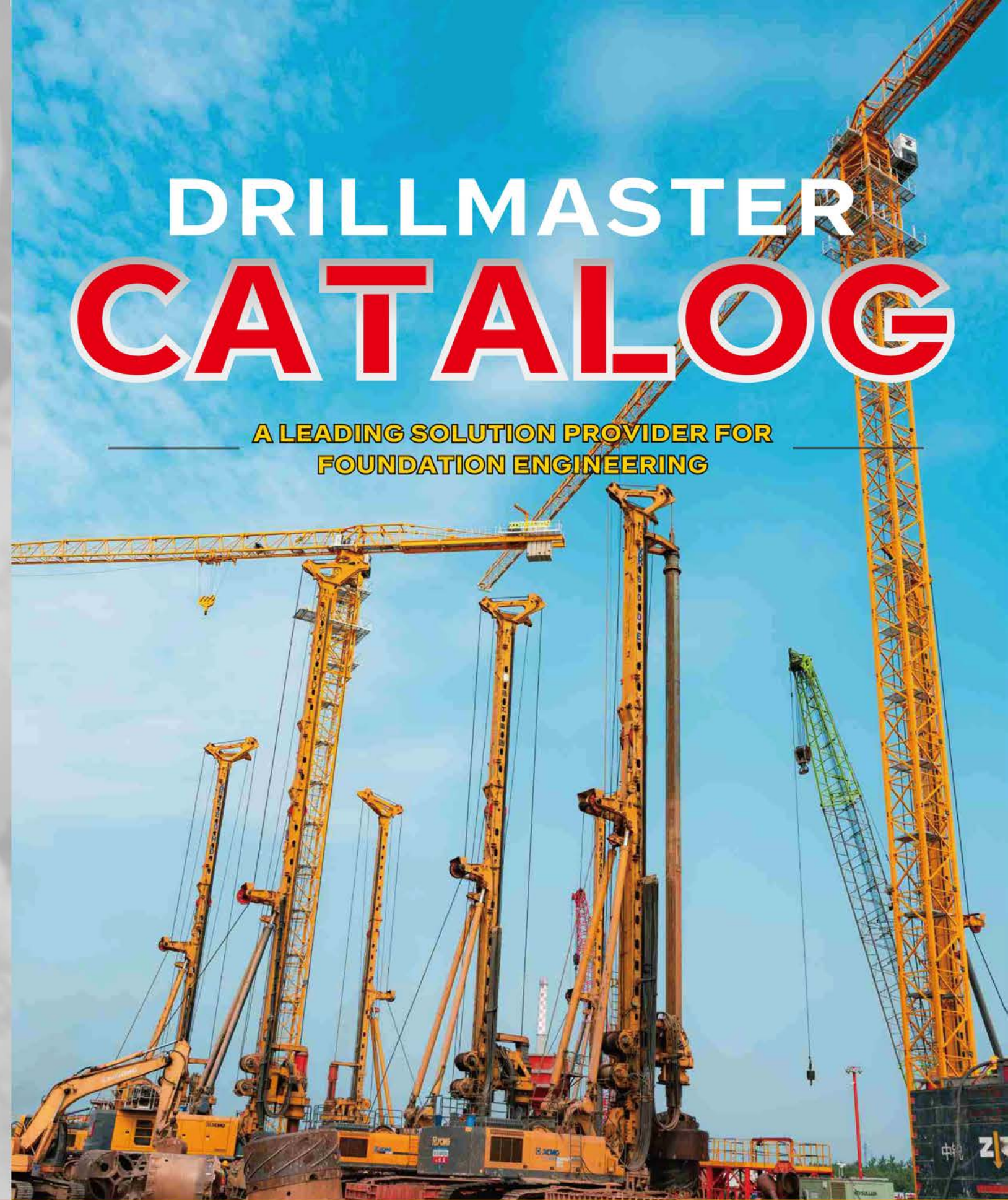
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**WWW.ANKERGEO.CA
INFO@ANKERGEO.CA
+1 (437) 855 4031**



DRILLMASTER CATALOG

**A LEADING SOLUTION PROVIDER FOR
FOUNDATION ENGINEERING**



WWW.DRILLMASTERGROUP.COM

ABOUT DRILLMASTER



As a leading solution provider for foundation engineering, Drillmaster has three international well-known brands under Drillmaster: Unidrill, Unimate and Imachine.

Our main products include: kelly bars, drilling tools, drilling teeth, casings, pile breakers, desanders, integrated drill rigs, vibro hammers, used machines, HDD, and other related tools. Backed by an experienced R&D team, we are committed to technological advancement and stringent quality control, ensuring our products meet international standards.

With a vision to be a global enterprise, Drillmaster has successfully exported to over 80 countries and regions, with a strong presence along the Belt and Road. Upholding 6 core values of integrity, diligence, gratitude, altruism, quality, and efficiency, we continue to provide the global market with reliable piling products and solutions.

16+

More Than 16 Years,
Founded in 2009

30+

More Than 30
National Patents

80+

Footprints Over
80 Countries

500+

Provide Solutions for
500+ Partners

CORPORATE VALUES

01 Integrity

Integrity is the cornerstone of Drillmaster. We are sincere with our clients and always keep our promises, never compromising our principles for the sake of business growth.

02 Diligence

Fueled by passion and dedication to work, we put in tremendous effort and are always eager to learn and improve as we strive for excellence and aim to reach new heights.

03 Gratitude

As the saying goes, a drop of water in need, shall be returned with a spring in deed. Grateful to our clients, colleagues, and partners, we strive to give back to society in meaningful ways.

04 Altruism

Putting others first is key to our growth. Everything we think, say, and do reflects our commitment to benefiting those around us—whether it's helping our employees thrive or supporting our clients and partners.

05 Quality

Quality is the backbone of Drillmaster. We're dedicated to providing top-notch products and services, creating greater value for our customers.

06 Efficiency

We prioritize important tasks and view inefficiency as our enemy. From pre-sales to post-sales, we consistently deliver excellent service to our clients.



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DRILLMASTER CATALOG

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DRILLMASTER





**BETTER TOOLING
BETTER PILING**

DRILLING TOOLS

High Quality

With the help of experienced team of engineers and well-superised production team, Drillmaster has a greater ability to produce top-quality foundation drilling tools. High quality welding and finishing is very important to increase the life of drilling tools.

Customizable

Drillmaster can specially design drilling tools according to different formations and customize various drilling tools with strong pertinence and high efficiency. Each diffeent type of drilling tool is designed to meet maximum possible variations in the soil for specific job-site conditions.

High Efficiency

The angle of attack of drilling bits are variable according to the type of soil/rock to generate maximum efficiency during drilling.

Customer Service

Our team not only provides complete per-sales service, in-sale services, and after-sale services for all customers, but also provides drilling solutions for foundation engineering.

Professional Team

We not only have a professional technical support and test team, but also a hard working, diligent and professional team with rich export experience.

Fast Delivery

As the biggest drilling tools exporter in China, Drillmaster possesses strong and powerful production capacity to ensure fast delivery.

ROCK BUCKET

SINGLE CUT ROCK BUCKET



DOUBLE CUT ROCK BUCKET



FEATURES

- Throughout ventilation hole.
- Hard facing strips for wear protection.
- Sturdy and wearable rock pilot for accurate positioning.

APPLICATIONS

- Applicable for very dense sand and gravel formations, weak rock layers, and coarse gravel conditions.
- Double cut rock bucket is recommended in uncased bores or for bigger diameters and for pile walls.



SOIL BUCKET

SINGLE-BOTTOM DOUBLE CUT SOIL BUCKET



DOUBLE-BOTTOM DOUBLE CUT SOIL BUCKET



FEATURES

- Throughout ventilation hole.
- Hard facing strips for wear protection.
- Sturdy and wearable rock pilot for accurate positioning.

APPLICATIONS

- Applicable for clay, silt, and loose to medium-dense sand and gravel formations, including coarse gravel.
- Double-bottom double cut soil bucket is recommended in cased/uncased and for bigger diameter piles.



CLEANING BUCKET



FEATURES

- Throughout ventilation hole.
- Hard facing strips for wear protection.

APPLICATIONS

- Used for cleaning the bottom of borehole.

DRILLMASTER



ROCK AUGER

Conical Rock Auger

SINGLE CUT CONICAL ROCK AUGER



DOUBLE CUT CONICAL ROCK AUGER



FEATURES

- Sturdy and wearable forging steel pilot for accurate positioning.
- Hard facing strips on flights for wear protection.

APPLICATIONS

- Medium to strong rock (15-60 Mpa)
- Double cut auger is recommended in uncased bores or for bigger diameter piles.



ROCK AUGER

Flat Rock Auger

SINGLE CUT ROCK AUGER



DOUBLE CUT ROCK AUGER



FEATURES

- Sturdy and wearable forging steel pilot for accurate positioning.
- Hard facing strips on flights for wear protection.

APPLICATIONS

- Very dense sand and gravel, weak rock ($< 5\text{Mpa}$)
- Double cut auger is recommended in uncased bores or for bigger diameter piles and secant pile walls.



SOIL AUGER

SINGLE CUT SOIL AUGER



DOUBLE CUT SOIL AUGER



FEATURES

- Fish-tail pilot for accurate positioning.
- Hard facing strips on flights for wear protection.

APPLICATIONS

- Soft to stiff slit and clay, loose to medium dense sand and gravel.
- Double cut soil auger is recommended for uncased bores or for bigger diameter piles.



CORE BARREL

CORE BARREL WITH BULLET TEETH



CORE BARREL WITH ROLLER BITS



CROSS CUTTER CORE BARREL



FEATURES

- Cutting ring with staggered arrangement of round shank chisels.
- Chisel holders are welded to the base body. The round shank chisels can be easily replaced.

APPLICATIONS

- Core barrel with bullet teeth is used for cutting an annular ring in rock or concrete (also reinforced concrete).
- Core barrel with roller bits is used in very strong rock formations (compressive strength > 100 Mpa).
- Cross Cutter Core barrel is mainly used to break rock cores which remain in the borehole after using a core barrel, also suitable for drilling hard, jointed rock < 100Mpa) and for penetrating through layers containing boulders.



CFA

CONTINUOUS FLIGHT AUGERS (CFA)



CFA SPECIFICATIONS

- **Type:** Flange/ Hexagonal/ DTH Hammer/ Triaxial Stir Type CFA Rod
- **Diameters:** 280 - 980 mm
- **Pitch:** 280 - 600mm
- **Flight Thickness:** 16 - 25mm
- **Length:** 2-10m



CUSTOMIZED/SPECIAL DRILLING TOOLS

CORE BARREL EQUIPPED WITH CENTRALIZER AND TWO-STAGE ROLLER BITS FOR EXPANDING HOLE



FEATURES

- improve efficiency and shorten construction time;
- Cutting diameter can be customized as required.

APPLICATIONS

Hard Rock (> 60 Mpa)
Large diameter requires stepped drilling with high torque rigs, which can directly expand the hole with double-stage roller bits.

CENTRIFUGAL BUCKET



FEATURES

- Large inlet of soil open shell design, easy to dump spoil to increase the drilling efficiency.
- Super high strength structure and guide plate to increase the working life of bucket.
- Wearing strips arranged on the surface of bucket for wear protection.

APPLICATIONS

- Drilling in clay, silt and loose to medium dense sand and gravel.

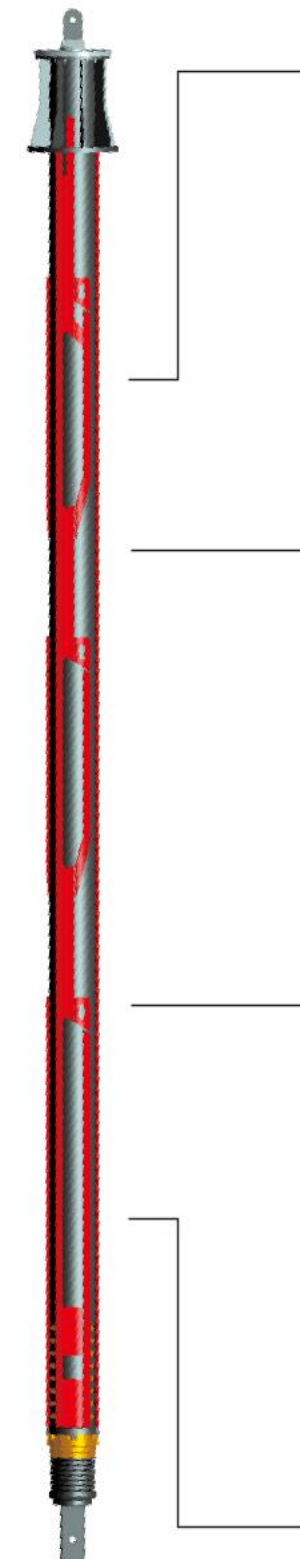
KELLY BAR



OD930

Model: OD930-5×27m/Interlocking
Rotary Drilling Rig: XR1600E(XCMG)
Drilling Depth: 125m

OD930, THE BIGGEST KELLY BAR IN THE WORLD!



01

TOP QUALITY MATERIAL

Top quality material from the top steel manufacturer with high yield strength, wear-resistant and longer using life.



02

STRICT QUALITY CONTROL

THREE steps alignment to check the roundness and straightness before and after welding, to prevent the deformation during heat treatment.



03

EXPERIENCED R & D AND MANUFACTURING TEAM

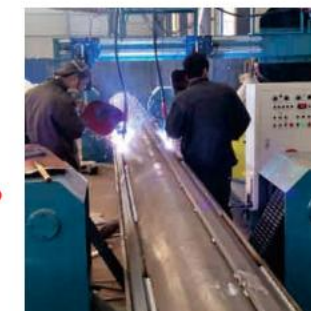
Specialized in manufacturing high quality kelly bar, over 10 years experience technician and welders in kelly bar R&D, design and manufacturing



04

MOST ADVANCED PRODUCTION &MANUFACTURING PROCESS

The key components are made of imported steel, special heat treatments and surface painting treatments, better performance in large torque, large diameter, super deep socked drilling.



KELLY BAR FOR

BAUER RIGS:

CASE FOR REFERENCE:

Dimensions 470-4x17m/Interlocking
Max Drilling Depth 63m
Customer from Malaysia
Drilling Rig Bauer BG38



KELLY BAR FOR

LIEBHERR RIGS:

CASE FOR REFERENCE:

Dimensions 470-4x13m/ Interlocking
Max Drilling Depth 46m
Drilling Diameter 1180mm
Customer from Australia
Drilling Rig Liebherr Lb36



KELLY BAR FOR

SOILMEC RIGS:

CASE FOR REFERENCE:

Dimensions 355-4x11/Interlocking
Max Drilling Depth 38m
Customer from Mexico
Drilling Rig Soilmec R312/200



KELLY BAR FOR

MAIT/ CASAGRANDE/ IMT RIGS:

CASE FOR REFERENCE:

Dimensions 445-4x13/Interlocking
Max Drilling Depth 46m
Customer from Thailand
Drilling Rig Mait Hr260



CASE FOR REFERENCE:

Dimensions 406-4x14.5m/Interlocking
Max Drilling Depth 50m
Customer from Malaysia
Drilling Rig IMT AF240



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KELLY BAR FOR

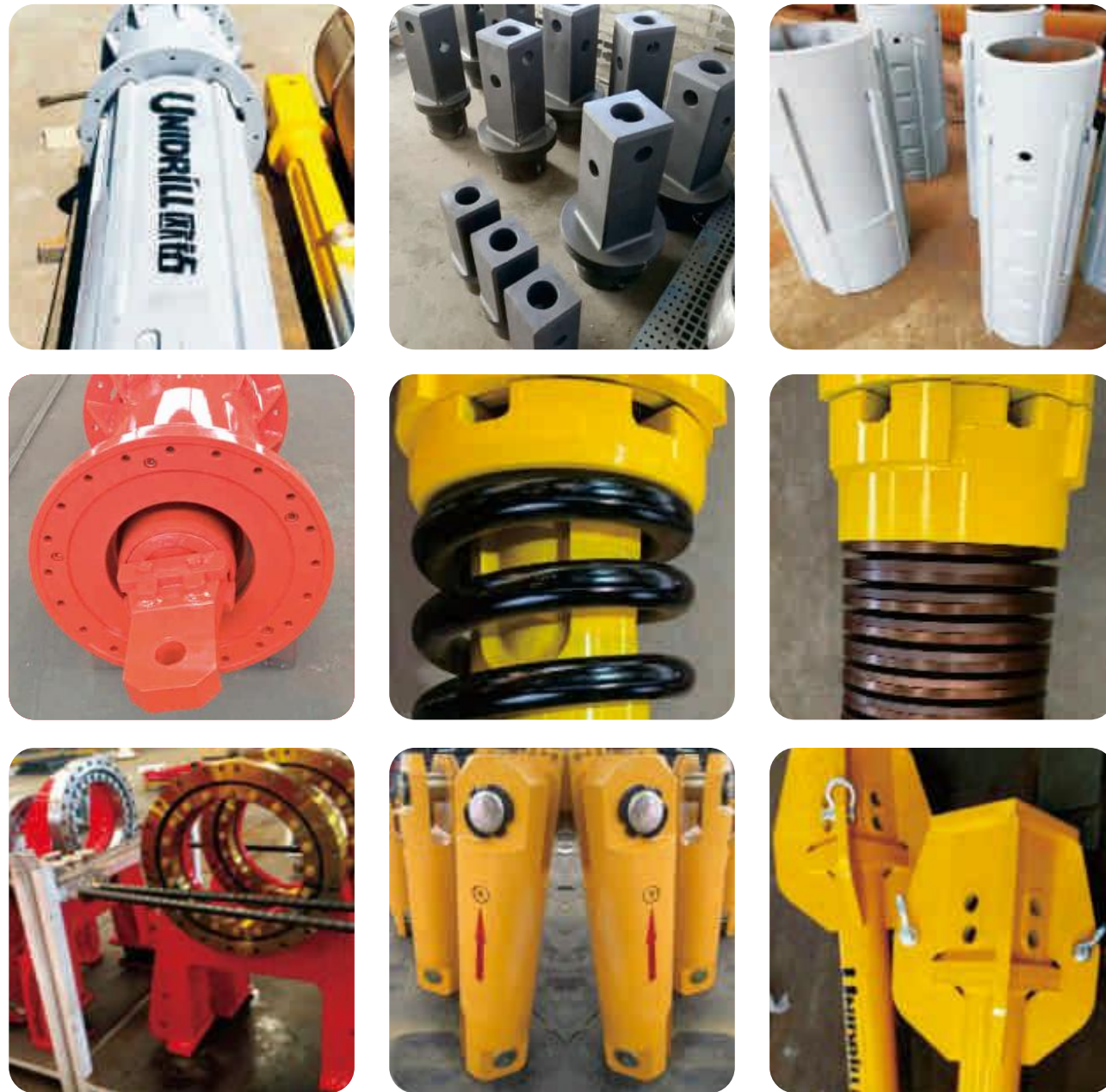
SANY /XCMG /JINT/SUNWARD RIGS:



CASE FOR REFERENCE:

- **Drill Rig Model:** XR780、SW550
- **Kelly Bar Type:** Unidrill $\phi 720-6 \times 28\text{m}$ / Friction
- **Kelly Bar Type:** Unidirll $\phi 630-6 \times 24.5\text{m}$ / Friction
- **Drilling Depth:** 156m、135m

Accessories



In addition to kelly bars, we also supplies kelly bar accessories, including teminal joint, swivel head, upper sections, kelly stub welded parts, damping springs, rings, pallets, etc. We can arrange professional R&D personnel to conduct onsite measurements, to ensure that the kelly bar accessories ordered by customers match their original kelly bar.

CASING



DOUBLE WALL SEGMENTAL CASING



SPECIFICATIONS

- **Diameter:** Ø620-2500mm
- **Length:** 1-6m per segment
- **Material:** Q355B/customized
- **Double wall structure**
- **Segmental connection**
- **Suitable for rotary drilling rigs**
- **Customized sizes available**

SINGLE WALL SEGMENTAL CASING



SPECIFICATIONS

- **Diameter:** Ø620-2500mm
- **Length:** 1-6m per segment
- **Material:** Q355B / customized
- **Single wall structure**
- **Segmental connection**
- **Suitable for rotary drilling rigs**
- **Customized sizes available**

CASING SHOES



CASING JOINT



CASING DRIVE ADAPTER



CASING ACCESSORIES

WS39



WS46



BOLT & NUT



SUCCESSFUL CASES

Casing Dia.(mm) OD1000/ID920
Type Double-walled casing tube
Rig Model Bauer BG38 drilling rig
Country Australia



Casing Dia.(mm) OD1180/ID1100 OD1280/ID1200
Type Double-walled casing tube
Rig Model XCMG XR400S drilling rig
Country Singapore



Casing Dia.(mm) OD620/ID540
Type Double-walled casing tube
Rig Model Bauer BG20 drilling rig
Country Kenya



AUTOMATIC CASING DRIVE ADAPTER



Unlike traditional manual operations, the automatic casing drive adaptor system achieves the connection and disconnection between the drive and the casing through the reciprocating motion of two hydraulic cylinders on the driving device. This eliminates the need for auxiliary workers to operate manually on the ground, significantly improving construction efficiency, enhancing safety, and reducing costs—especially when dealing with longer casing lengths.

FEATURES

- Simple Disassembly
- Improve safety onsite
- Speed up the operations

Type: Casing Driver

Diameter: 620mm-2500mm

Suitable for Rig Brands:

Bauer, Liebherr, Soilmec, Casagrande, Mait, IMT, Sany, XCMG..

HOT SALE SIZE

- OD620mm/ID540mm
- OD750mm/ID670mm
- OD880mm/ID800mm
- OD1000mm/ID920mm
- OD1080mm/ID1000mm
- OD1180mm/ID1100mm



DRILLING TEETH

ROUND SHANK CHISEL



B47K17.5H



B47K22H



B47K19H



UMT55-2227



UMT55-9T22



UMT55-12K2227



UMT60-24P



UMT60-24S



UMT60-12K2434



UMT60-31S



UMT55-22S



B85/2



B43H



C31HD



C30



FLAT TEETH



BFZ70

BFZ72

BFZ80

BFZ72 Holder

BFZ80
Holder,
Screw and Bolt

25T

18T

ROLLER BITS



FL42J14CH

FL55J14QH

FL55C14QH

FL42Z14CX

FL52Z17QX

FL55Z14QX

8 1/2 XW527

REPLACEABLE TEETH



WS39

WS46

WELD-ON TEETH



BA 90-35

BA 90-42

DIAPHRAGM WALL TEETH



DiaphragmWall
Drilling Teeth

SB38ZM

SB42ZR

SB42ZL





High Quality Carbide & Steel Material

We use the high quality carbide and steel to guarantee drilling efficiency and long life.

Customizable

We customize the drilling bits according to your rock hardness and soil formation, and provide flexible solutions. Carbide tips from 17.5mm-30mm, body protection design with carbide beans or carbide strips.

Heat treatment process and welding

According to quality management system, we have complete heat treatment process and welding technology, to guarantee drilling bit hardness.

Customer Service

Our team not only provides complete services for customer needs and special requirements, but also provides drilling bit solutions.

Quality Control

With metallographic examination, hardness test and strict quality control under quality management systems, our drilling bits have higher efficiency for various soil formation and hard rock drilling, long life and less replacement time.

Fast Delivery

We have sold more than 500,000pcs of B47K, and we have stock and production capability to guarantee fast delivery.



DESANDER & BENTONITE MIXER



EXTENSIVE APPLICATION

The treatment system adopts multi-stage treatment method according to the particle size range of the solid particles in the mud, which can be applied to all kinds of construction mud and river sludge treatment.

HIGH WORK EFFICIENCY AND LOW COST

The multi-stage treatment method utilizes the optimal work efficiency of each system for the treatment of respective particle size range of solid particles, effectively reducing the unit mud treatment cost and improving the treatment efficiency.

GOOD SYSTEM RELIABILITY

The multi-stage treatment method significantly reduces the wear of the machine and the damage to the filter cloth of the filter press caused by the large solid particles in the mud, reducing the equipment failure rate and prolonging the service life of the equipment.

SMALL FOOTPRINT, SIMPLE OPERATION

The system adopts modular and intelligent design, characteristic of convenient and fast transportation, on-site installation and simple operation. Under the same treatment capacity, the footprint is only 50% of that needed for the simple filter press treatment process.

SUPPORTING SWITCH BETWEEN DIFFERENT TREATMENT MODES

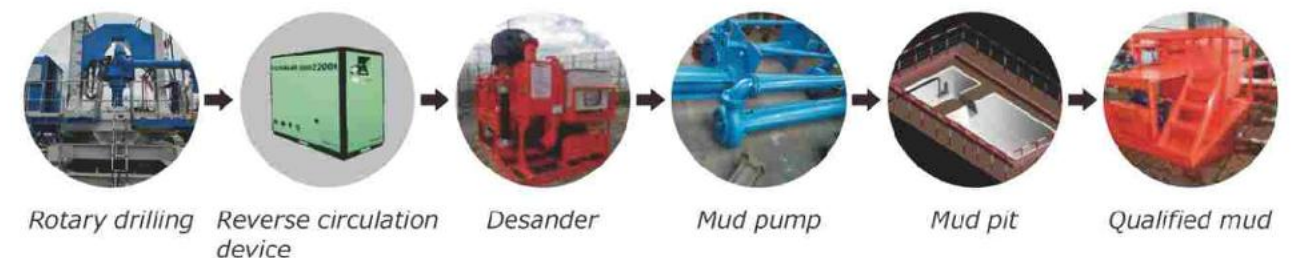
As the system adopts multi-stage treatment method, the treatment mode the construction site adopts can be switched between three modes, i.e. the mud de-sanding for reuse, mud de-sanding and desilting for reuse (the ration is 1.02-1.05 after treatment), and mud flocculation liquid-solid separation (dry mud + clean water) according to actual needs.



MUD RECYCLING SYSTEM WORKFLOW CHART

- 1 Motors for vibrating screens
- 2 Fine filter screen
- 3 Storage tank
- 4 Cyclone feeder pump
- 5 Cyclone unit
- 6 Cyclone unit spigot
- 7 Coarse screen
- 8 Cyclone overflow
- 9 Holding tank
- 10 Automatic level control
- 11 Stock inlet
- 12 Drain connection
- 13 Sand outlet

MUD RECYCLING SYSTEM APPLICATION



PILE BREAKER

Easy operation,
high efficiency

High safety and
reliability



No harm to the
pile body(no vibration)

Environmental friendly
Low noise, dust free

ROUND TYPE



SP800

SPECIFICATIONS

- Model: SP800
- Pile diameter range: 500-2500mm
- Hydraulic cylinder stroke: 205mm
- Max Hydraulic Pressure: 34.3Mpa
- Max flow (single cylinder): 25L/min
- Cutting pile numbers/8h: 20-100
- Supporting excavator weight: 20-64t

SQUARE TYPE



SP500

SPECIFICATIONS

- Model: SP500 Heavy duty
- Pile diameter range: 250-500mm
- Max drill rod pressure: 320t
- Hydraulic cylinder stroke: 205mm
- Max hydraulic pressure: 34.3Mpa
- Max flow (single cylinder): 25L/min
- Cutting pile numbers/8h: 100-120
- Supporting excavator weight: ≥15t

SP600

SPECIFICATIONS

- Model: SP600-8 Heavy Duty
- Pile diameter range: 600-800mm
- Max drill rod pressure: 640t
- Hydraulic cylinder stroke: 205mm
- Max Hydraulic Pressure: 34.3Mpa
- Max flow (single cylinder): 25L/min
- Cutting pile numbers/8h: 20-50
- Supporting excavator weight: ≥26t

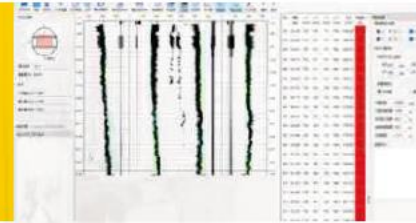
**PILE BREAKER IS
A SPECIAL TOOL TO
BREAK THE GROUND
HEAD CONCRETE OF
FOUNDATION PILE.**



ULTRASONIC DRILLING MONITOR



SMALL & LIGHT WINCH
Convenient for transportation.



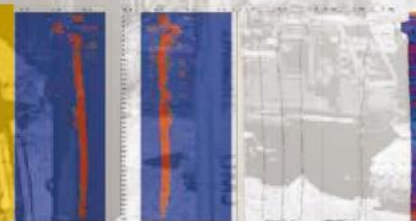
WIRELESS WIFI CONNECTION
Convenient to operate.



STAINLESS STEEL WINCH
Corrosion prevention & rust prevention, beautiful outlook.



CLOUD PLATFORM DATA
Sharing remotely & synchronized in time.



MOBILE POWER SUPPLY
Without external 220VAC, strong applicability.



DRILLMASTER



35+

More than 35 exporting countries

45+

More than 45 cooperative universities

2000+

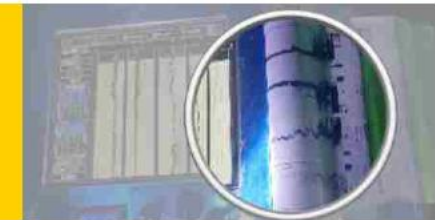
More than 2000 end users

3000+

Annual production capacity of over 3000 units

REAL-TIME PRINTING

Real-time detection, printing, test results reliable.



2D & 3D OPTIONS

2D-3D display of hole and diaphragm wall, flexible switching, intuitively clear.



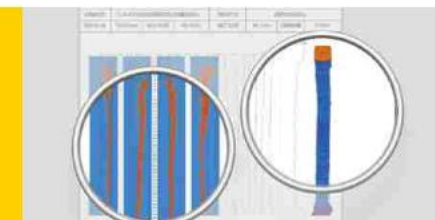
CLEAR IMAGES AND ACCURATE RESULTS

Image of hole and diaphragm wall are clear, test results accurate.



BOTH DRY & MUD HOLETESTING

Seamless switching between dry hole testing and mud hole testing, strong adaptability.



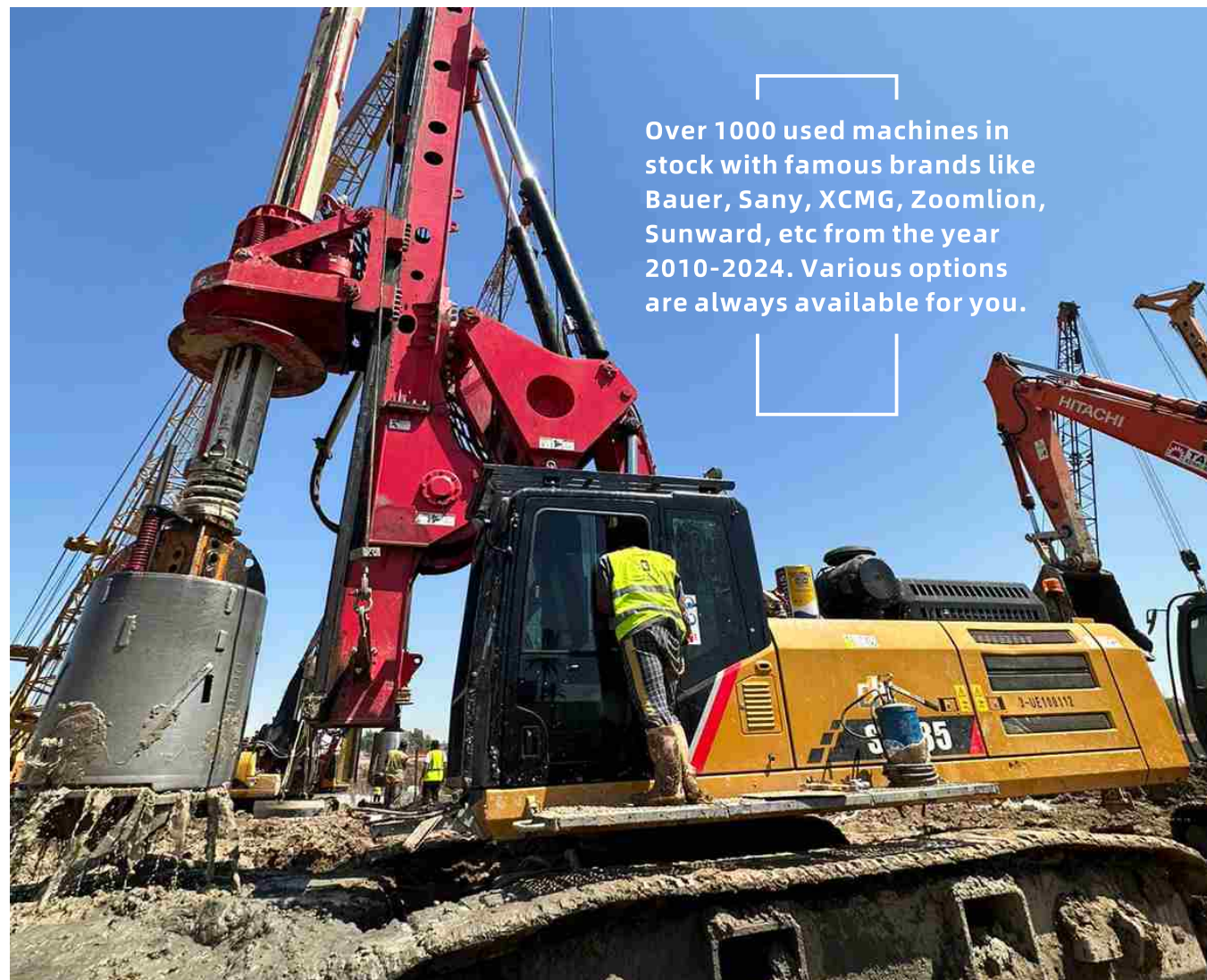
USED MACHINERY

TOP 1 USED MACHINERY
SUPPLIER IN
CENTRAL AND SOUTH CHINA



USED MACHINERY

1. Abundant Supply of High Quality Used Machines:



2. Professional Refitting and Maintenance Services:



3. Comprehensive Performance Test and Inspection:



4. Delivery With Rich Export Experience:

