



**CHANGSHU YE LU SING FIRM**

**CATALOGUE**

# 06 ROCK PICKS & SOIL TEETH

Drilling Tools for Rotary Rig — The Core Cutting Components of Foundation Engineering



## CORE COMPONENTS

As the direct execution unit of rock and soil breaking, it is the key factor determining the drilling efficiency, construction period and comprehensive cost of the rotary drilling rig.



## DURABLE DESIGN

Adopt high-strength alloy steel substrate and wear-resistant carbide teeth, with optimized structural stress distribution, which can withstand extreme impact and abrasion in complex formations.



## VERSATILE ADAPTATION

Complete product series covers clay, sandy soil, gravel and hard rock formations. Precise tooth type matching maximizes the drilling speed under different geological conditions.

**KEY TAKEAWAY:** Selecting the right rock picks and soil teeth is not only about durability, but about matching the specific ground conditions to achieve the optimal balance of performance and economy.

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深入了解企业发展历程、核心使命与愿景，以及我们在行业中的定位与长期战略规划。

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## Product Overview

全面介绍产品系列与核心功能，直观呈现设计理念与面向市场的核心竞争力。

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解析产品核心技术参数与工艺指标，展示精密制造标准与严苛的质量检测流程。

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对比行业同类产品，提炼我们在性能、效率、成本控制及创新设计上的显著优势。

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探索产品在各行业的实际应用场景，呈现多元化解决方案带来的商业价值与社会价值。

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## Contact Us

提供详细的联系方式与沟通渠道，期待与合作伙伴、客户及行业同仁建立深度的交流。

# COMPANY PROFILE



## PROFESSIONAL MANUFACTURER

CHANGSHU YE LU SING FIRM is a specialized enterprise dedicated to producing high-performance rock picks and soil teeth for rotary drilling rigs, with a focus on delivering reliable components for the construction and drilling industry.



## SUPERIOR PERFORMANCE & DURABILITY

Our cutting tools are engineered with precision to ensure maximum wear resistance and exceptional cutting efficiency. We prioritize material quality and innovative design to meet the rigorous demands of heavy-duty drilling applications.

Committed to driving progress in the drilling industry through cutting-edge tool technology and uncompromising quality standards.

# PRODUCT OVERVIEW



## CORE CUTTING TOOLS

Rock picks and soil teeth serve as the primary cutting components for rotary drilling rigs. Engineered for extreme durability, they are the frontline elements engaging directly with the ground formation during drilling operations.



## VERSATILE GEOLOGY

These tools are designed to penetrate and fragment a wide spectrum of ground compositions, ranging from soft soil, loose sand, and sticky clay to consolidated rock layers, ensuring reliable performance across diverse construction sites.



## OPERATIONAL IMPACT

High-quality cutting tools significantly boost drilling efficiency by reducing penetration time and minimizing downtime for replacements. They directly control wear rates, thus lowering long-term operational and maintenance costs for projects.

**Conclusion:** Investing in premium rock picks and soil teeth is fundamental to achieving optimal drilling performance and economic viability.

# TECHNICAL SPECIFICATIONS

## 01. ROCK PICKS

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**MODELS & MATERIALS:** RP-30 / RP-40 / RP-50 / RP-60 series, featuring high-grade tungsten carbide tips and robust alloy steel shanks for maximum durability.

**PERFORMANCE:** Hardness rated at HRC 58 ~ 62, with excellent impact resistance to withstand the harshest rock drilling conditions.

## 02. SOIL TEETH

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**MODELS & MATERIALS:** ST-25 / ST-35 / ST-45 range, crafted from premium high manganese steel to deliver superior toughness and longevity.

**PERFORMANCE:** Hardness of HRC 48 ~ 55, sizes from 25 to 60 mm, and exceptional wear resistance for efficient soil excavation applications.



Engineered for extreme industrial applications, our components balance high hardness with unmatched mechanical strength to ensure optimal operational efficiency.

# TECHNICAL SPECIFICATIONS

we can produce a lot of type  
rocktooth and soil tooth

## 01. ROCK TOOTH HOLDER



## 02. ROCK TOOTH HOLDER

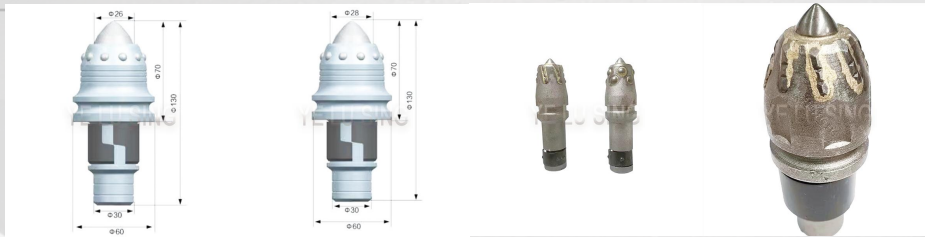


Engineered for extreme industrial applications, our components balance high hardness with unmatched mechanical strength to ensure optimal operational efficiency.

# TECHNICAL SPECIFICATIONS

we can produce a lot of type  
rocktooth and soil tooth holders

## 01. ROCK PICKS



Y26-60

Y28-60

C31

Y22-60

## 02. SOIL TEETH



Y25

BZF72/80



Engineered for extreme industrial applications, our components balance high hardness with unmatched mechanical strength to ensure optimal operational efficiency.

# PRODUCT ADVANTAGES



## Exceptional Wear Resistance

Crafted for prolonged durability, ensuring an extended service life even under the harshest operational conditions.



## Strong Impact Resistance

Engineered to withstand heavy impacts and prevent breakage, maintaining structural integrity during rigorous use.



## High Drilling Efficiency

Features ultra-sharp cutting performance that minimizes energy loss and maximizes the speed of drilling operations.



## Effortless & Quick Replacement

Streamlined design allows for fast, tool-free disassembly and installation, significantly reducing machine downtime.



## Universal Brand Compatibility

Perfectly compatible with all major drilling rig brands, eliminating the need for custom modifications or adapters.

# APPLICATIONS

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## Soil, Clay & Sand Drilling

Efficient penetration and stabilization in loose, unconsolidated ground formations, ensuring optimal borehole integrity for various geotechnical and construction purposes.



## Foundation Piling Construction

Critical for creating deep, load-bearing foundations to support high-rise buildings, bridges, and heavy industrial structures.



## Road & Highway Construction

Used in subgrade preparation, slope stabilization, and installing underground utilities for transportation infrastructure projects.



## Soft & Medium Rock Drilling

Precision cutting and wear resistance in fractured or competent rock layers, delivering consistent performance for exploration, mining, and civil engineering boreholes.



## Mining & Quarrying Operations

Essential for blast hole drilling, exploration core sampling, and excavation support in surface and underground mining applications.

# CONTACT US

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