

**EVER STAR**

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DRILLING TOOLS



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公司简介 COMPANY PROFILE

EVERSTAR GROUP Xuzhou Hengxing Jingiao Machinery Technology Co., Ltd is located in the high-tech development zone of Xuzhou city, where XCMG located. Our company covers an area of 40000 square meters and with factory area about 30000 square meters.

We are engaged in the manufacture of Piling Rig Kelly Bar And Spare Parts, with our own R&D and sales team.

Our internal management strictly adheres to ISO9001 standard, all products have passed the CE certification. Currently we have 40 patents and we are the high-tech enterprise. Our products have been exported to more than 50 countries such as Japan, South Korea, Russia, Singapore etc.

We provide nationwide quality assurance by 21 domestic offices, perfect after-sales service system provide customers with comprehensive and systematic solutions, we strive to build gold service in the machine industry. Over the past ten years, our products, services and reputation have been widely recognized and praised by more than 6000 construction companies.

Our mission is: Promote Industrial Progress with Scientific and Technological Innovation.

Our core value is: Customer first, Self-Criticism, Embrace Change, Keep Striving.

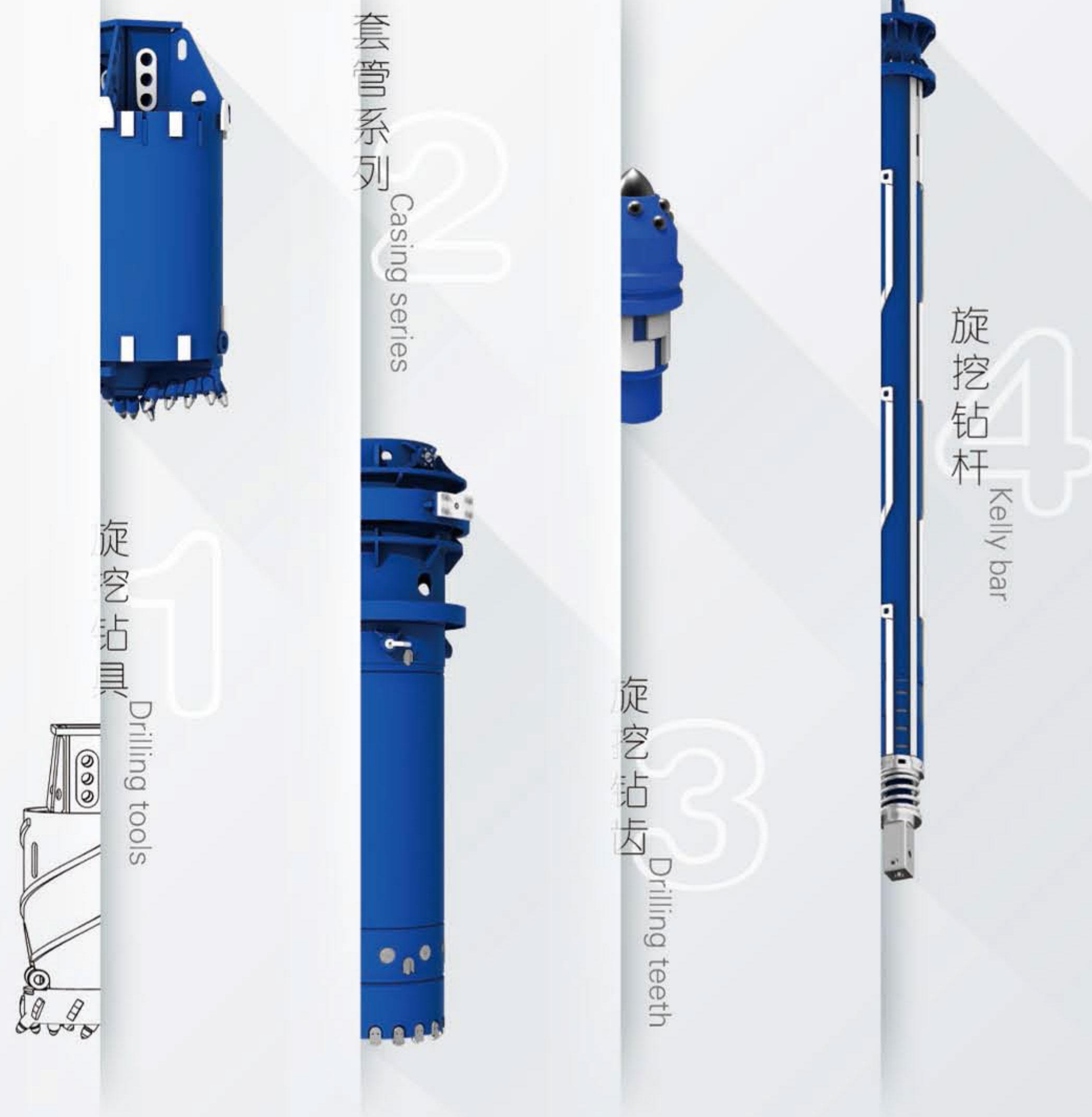
Our ten years plan is: Open branch companies in at least five countries and maintain the leading position in at least 10 industries.

Our vision is: our loyal users cover 100 countries and 2,000 cities around the world, and make at least 30% of employees become shareholders.

Welcome all colleagues to visit and give guidance! Also welcome all friends to Xuzhou for sightseeing and re-newing friendship!



产品介绍 PRODUCT OVERVIEW



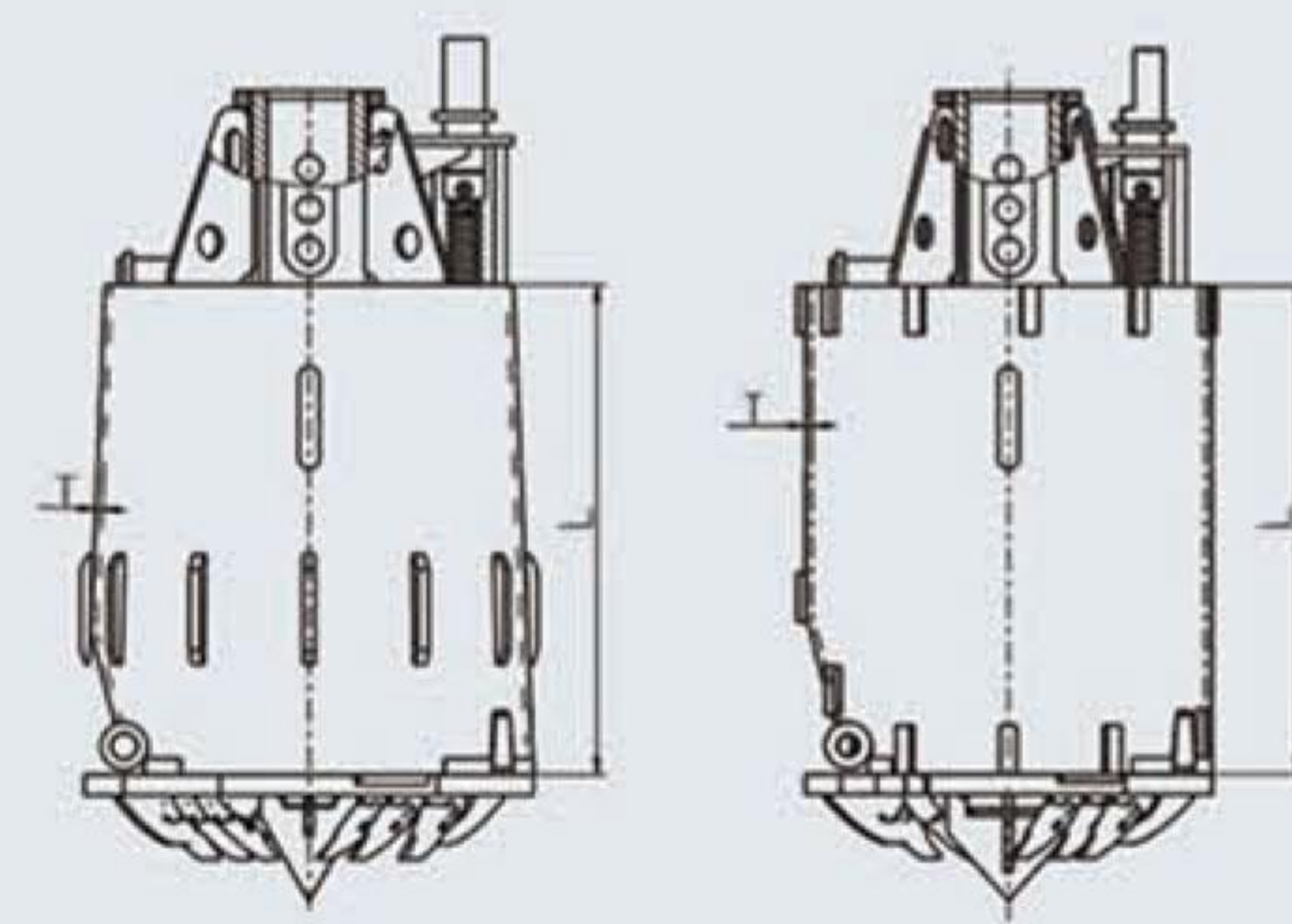
旋挖钻具
Drilling tools

- P**
- 04 ----- 土层捞砂斗 Drilling Bucket with Soil Drilling Teeth
 - 05 ----- 嵌岩捞砂斗 Drilling Bucket with Rock Drilling Teeth
 - 06 ----- 直螺旋钻斗 Straight Auger
 - 07 ----- 锥螺旋钻斗 Conical Auger
 - 08 ----- 截齿筒钻 Core Barrel with Bullet Teeth
 - 09 ----- 牙轮筒钻 Core Barrel with Roller Bit
 - 10 ----- 三叉戟筒钻 Core Barrel with Crossing Cutter
 - 11 ----- 双层筒钻 Core Barrel with Double Shell
 - 抱岩筒钻 Core Barrel with Two Arms
 - 12 ----- 体开式钻斗 Open-type Bucket
 - 13 ----- 清孔钻斗 Cleaning Bucket
 - 扩底钻头 Belling Bucket
 - 14 ----- 异形钻斗 Special Drilling Tools

土层捞砂斗 (锥筒&直筒) Drilling Bucket with Soil Drilling Teeth (conical & straight)

钻具特点 Feature

- 可选加长直筒体设计，防止钻进时斜孔；
- 内置防吸钻流水孔，依工况增加裙边；
- 适用地层：淤泥层、砂砾层、粉（粘）土层、强风化岩层等；
- Longer bucket shell is helpful to avoid pile inclined;
- Ventilation plate can avoid bucket stuck by vacuum space under the bucket bottom;
- Applicable scope: silt, gravel, clay and highly weathered rock;



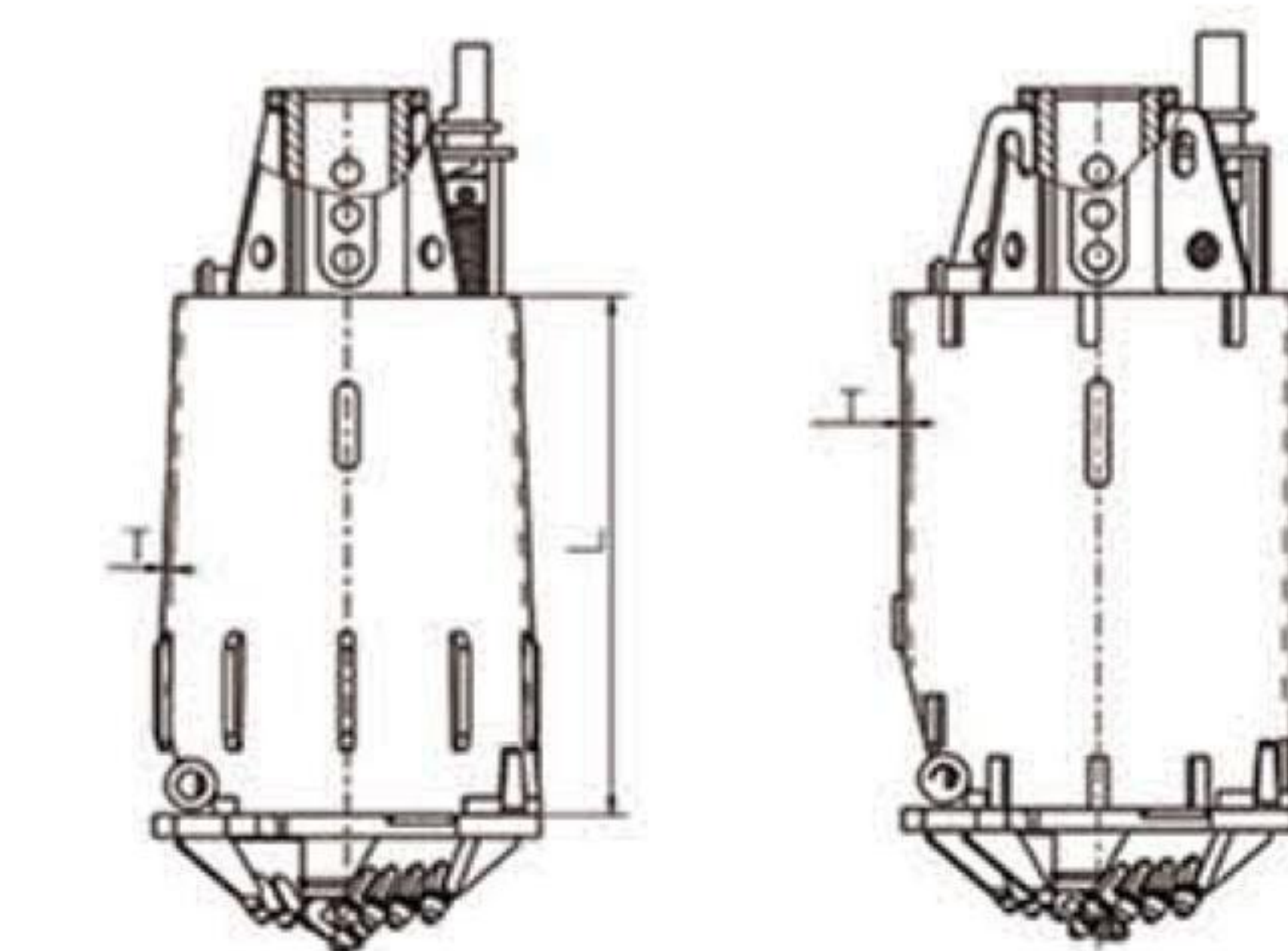
切削直径 Cutting Dia.	筒体高(L) Shell HIT.	筒壁厚(T) Shell THK.	齿数 Teeth No.	重量 Weight
φ 800	1200	16	4	950
φ 1000	1200	16	5	1250
φ 1200	1200	16	7	1550
φ 1500	1200	16	9	2200
φ 1800	1000	20	10	3200
φ 2500	800	25	19	5550
φ 3000	800	25	24	7900

度量单位为毫米 (mm) ；重量单位为千克 (kg) 。
The length is in millimeters, weight in kilograms.

嵌岩捞砂斗 (锥筒&直筒) Drilling Bucket with Rock Drilling Teeth (conical & straight)

钻具特点 Feature

- 可定制手自动一体式开锁底机构，内置防吸钻流水孔；
- 整体式中心锥，弧形导板布齿，大钻具双开锁底机构设计；
- 钻齿轨迹交错布置，全断面内交叉覆盖，相互制造自由面；
- 适用地层：砂砾层、卵石层、强风化、中风化岩层；
- Option half-automatic or manul mechanic bottom open system, Built-in ventilation pipe;
- Cast pilot with rock drilling bits, arc guide plate teeth arrangement, double unlocking system;
- Staggered arrangement of rock drilling bits;
- Applicable layers: gravel, pebble, highly or medium weathered rock;



切削直径 Cutting Dia.	筒体高(L) Shell HIT.	筒壁厚(T) Shell THK.	齿数 Teeth No.	重量 Weight
φ 800	1200	20	11	1050
φ 1000	1200	20	13	1450
φ 1200	1200	20	17	1800
φ 1500	1200	20	20	2400
φ 1800	1000	20	25	3250
φ 2500	800	25	32	5650
φ 3000	800	30	47	8400

度量单位为毫米 (mm) ；重量单位为千克 (kg) 。
The length is in millimeters, weight in kilograms.

直螺旋钻斗

(单头单螺、双头单螺、双头双螺)

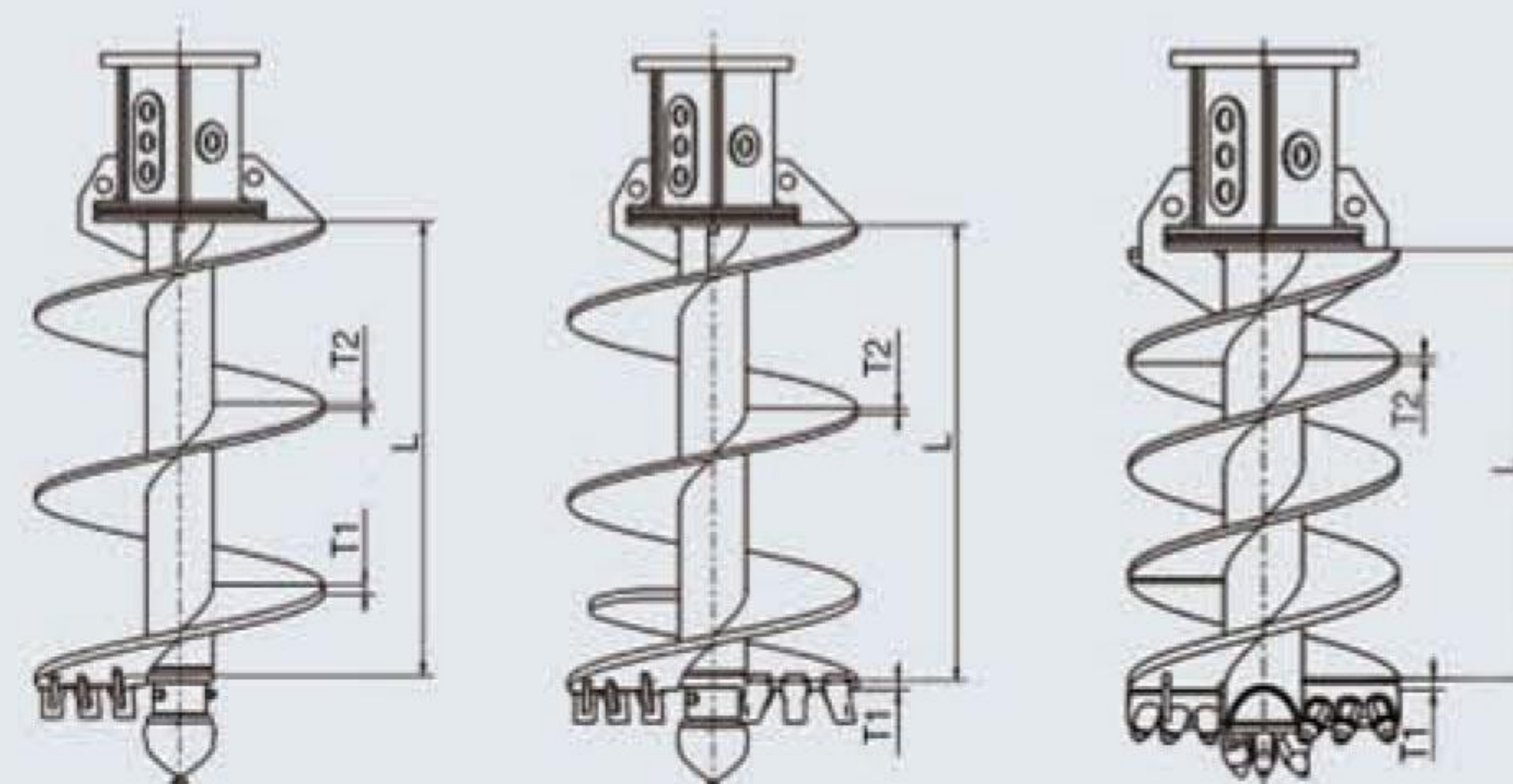
Straight Auger

(single cut, double cut)



钻具特点 Feature

- 直体螺旋设计，方便携渣；
- 双头螺旋受力均匀，不宜偏孔；
- 双螺旋携渣能力强，黏性地层时，单螺易于卸渣；
- 适用地层：黏土层、强风化层、碎石层；
- Design as straight type, better for carry soil;
- Double cutter bearing uniform force, can avoid inclined hole;
- Double spiral easy to carry soil, but meet cohesive soil, single spiral is easy to dump spoil;
- Applicable layers: clay, high-weathered layer, gravel etc;



切削直径 Cutting Dia.	螺旋高(L) Spiral HIT	螺厚(T1+T2) Spiral THK.	齿数 Teeth No.	重量 Weight
φ 600	1500	30+20	6	700
φ 800	1500	30+20	9	850
φ 1000	1500	30+20	11	1000
φ 1200	1500	30+30	13	1300
φ 1500	1500	30+30	16	1750
φ 1800	1500	35+30	21	2450
φ 2000	1500	35+30	22	2900

度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

锥螺旋钻斗

(单头单螺、双头单螺、双头双螺)

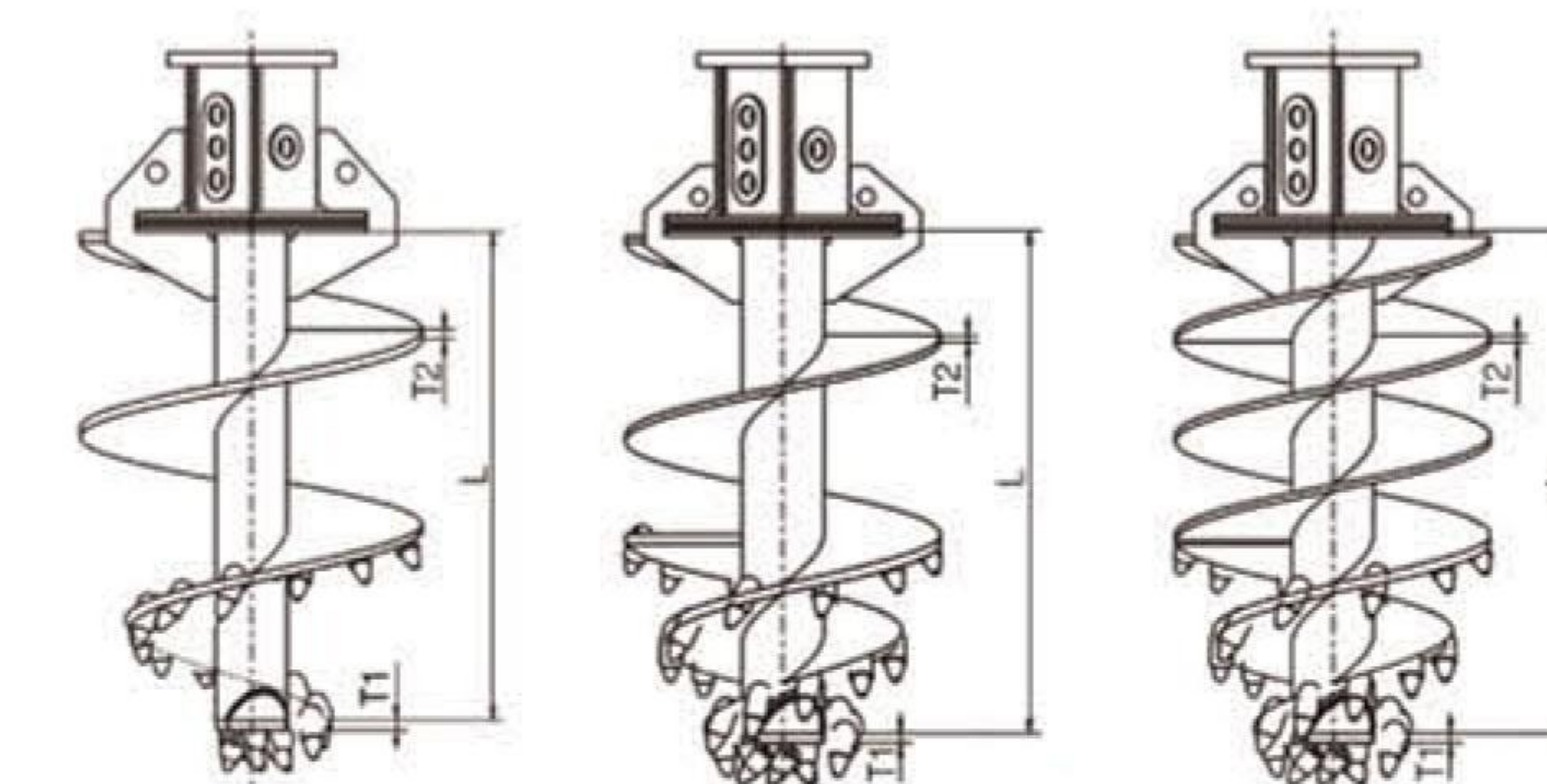
Conical Auger

(single cut, double cut)



钻具特点 Feature

- 中心锥引导，锥形钻进，破碎岩石；
- 双头螺旋受力均匀，不宜偏孔；
- 双螺旋携渣能力强，黏性地层时，单螺易于卸渣；
- 适用地层：卵石层、泥岩、砂岩层、强-中风化硬岩层；
- Location by pilot, conical structure drilling into the rock;
- Double cutter bearing uniform force, can avoid inclined hole;
- Double spiral easy to carry soil, but meet cohesive soil, single spiral is easy to dump spoil;
- Applicable layers: medium weathered rock, bedrock;



切削直径 Cutting Dia.	螺旋高(L) Spiral HIT	螺厚(T1+T2) Spiral THK.	齿数 Teeth No.	重量 Weight
φ 600	1400	30+20	15	600
φ 800	1400	30+20	21	750
φ 1000	1500	30+20	23	900
φ 1200	1500	30+30	25	1150
φ 1500	1500	30+30	32	1600
φ 1800	1500	35+30	38	2250
φ 2000	1500	35+30	40	2700

度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

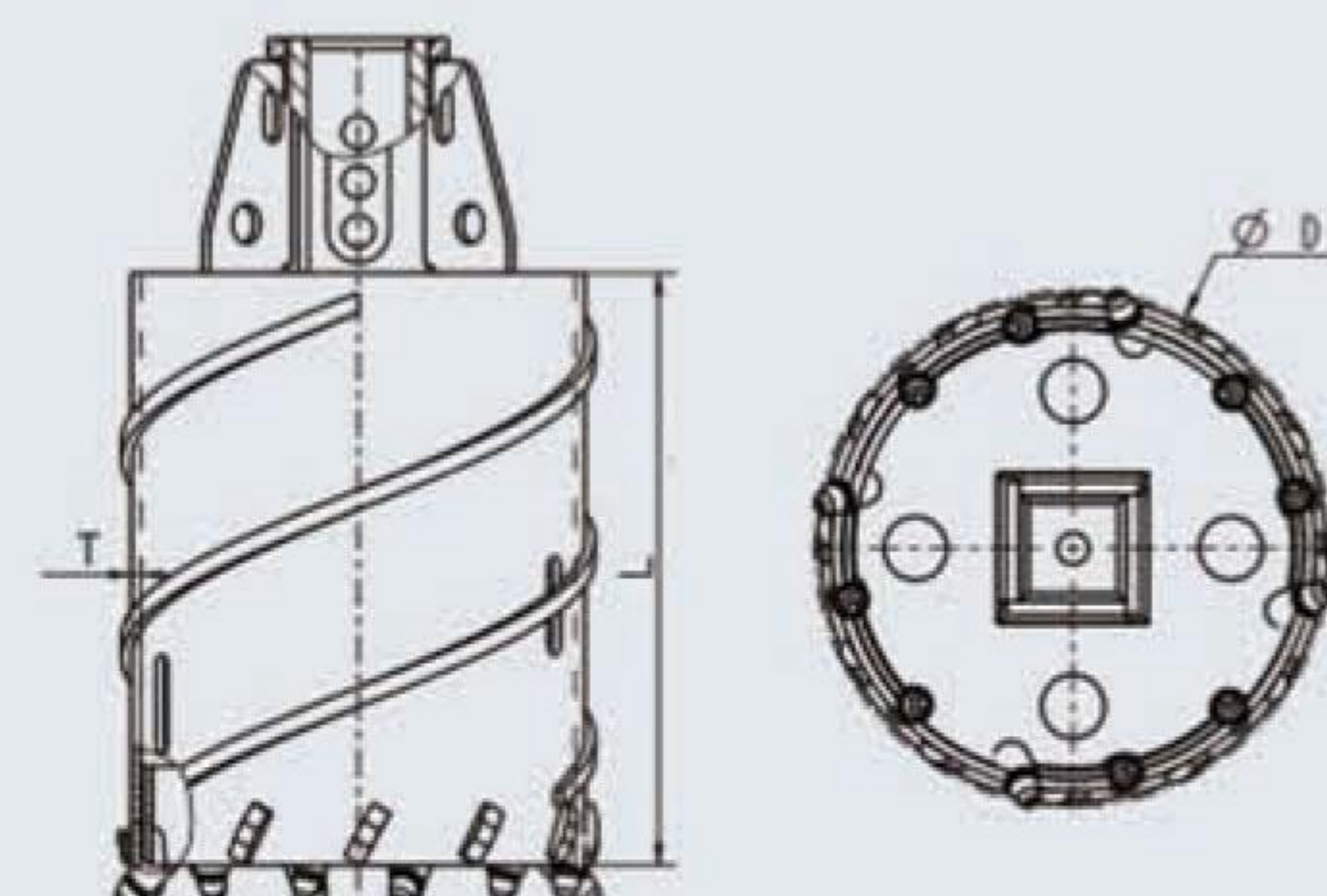


截齿筒钻

Core Barrel with
Bullet Teeth

钻具特点 Feature

- 筒体环切释放岩石围压；
- 截齿阶跃破碎兼研磨钻进；
- 小钻具取芯率高，大钻具分级配合破碎；
- 适用地层：回填层、中风化岩层、基岩层；
- Cutting ring with rock drilling bits and releases the internal stress of rock;
- Rock drilling bits perform stage breaking and drilling;
- Small barrel facilitates the coring operation, large barrel performs stage breaking;
- Applicable layers: backfill layer, medium weathered rock, bedrock;



切削直径 Cutting Dia.	筒体高(L) Shell HIT	筒壁厚(T) Shell THK.	齿数 Teeth No.	重量 Weight
φ 800	1200	20	15	800
φ 1000	1200	20	18	1050
φ 1200	1200	20	21	1250
φ 1500	1200	20	27	1600
φ 1800	1000	20	33	1900
φ 2500	800	25	45	2900
φ 3000	800	30	54	4200

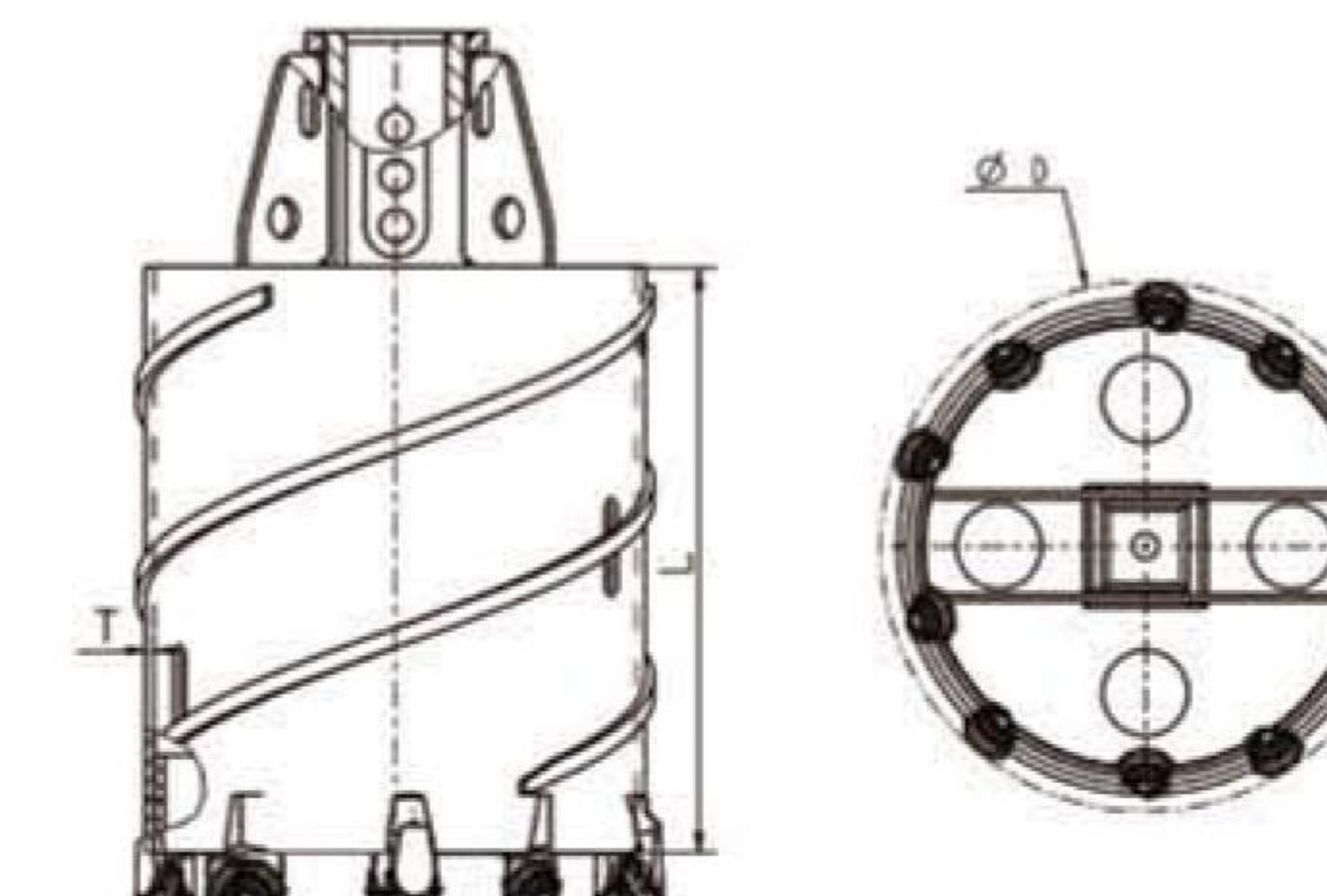
度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

牙轮筒钻

Core Barrel with
Roller Bit

钻具特点 Feature

- 筒体环切释放岩石围压；
- 牙轮钻齿滚压研磨钻进，钻齿损耗小；
- 小钻具取芯率高，大钻具分级配合破碎；
- 适用地层：中-微风化岩层、硬岩层、超硬基岩层；
- Cutting ring with rock drilling bits and releases the internal stress of rock;
- Drilling with the method of rolling and squeezing can increase the anti-wear ability of the barrel;
- Small barrel facilitates the coring operation, large barrel performs stage breaking;
- Applicable layers: medium or slightly weathered rock, hard or superhard bedrock;



切削直径 Cutting Dia.	筒体高(L) Shell HIT	筒壁厚(T) Shell THK.	齿数 Teeth No.	重量 Weight
φ 800	1200	20	6	850
φ 1000	1200	20	8	1100
φ 1200	1200	20	10	1300
φ 1500	1200	20	12	1650
φ 2000	800	20	18	2000
φ 2500	800	25	20	2900
φ 3000	800	30	26	4000

度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

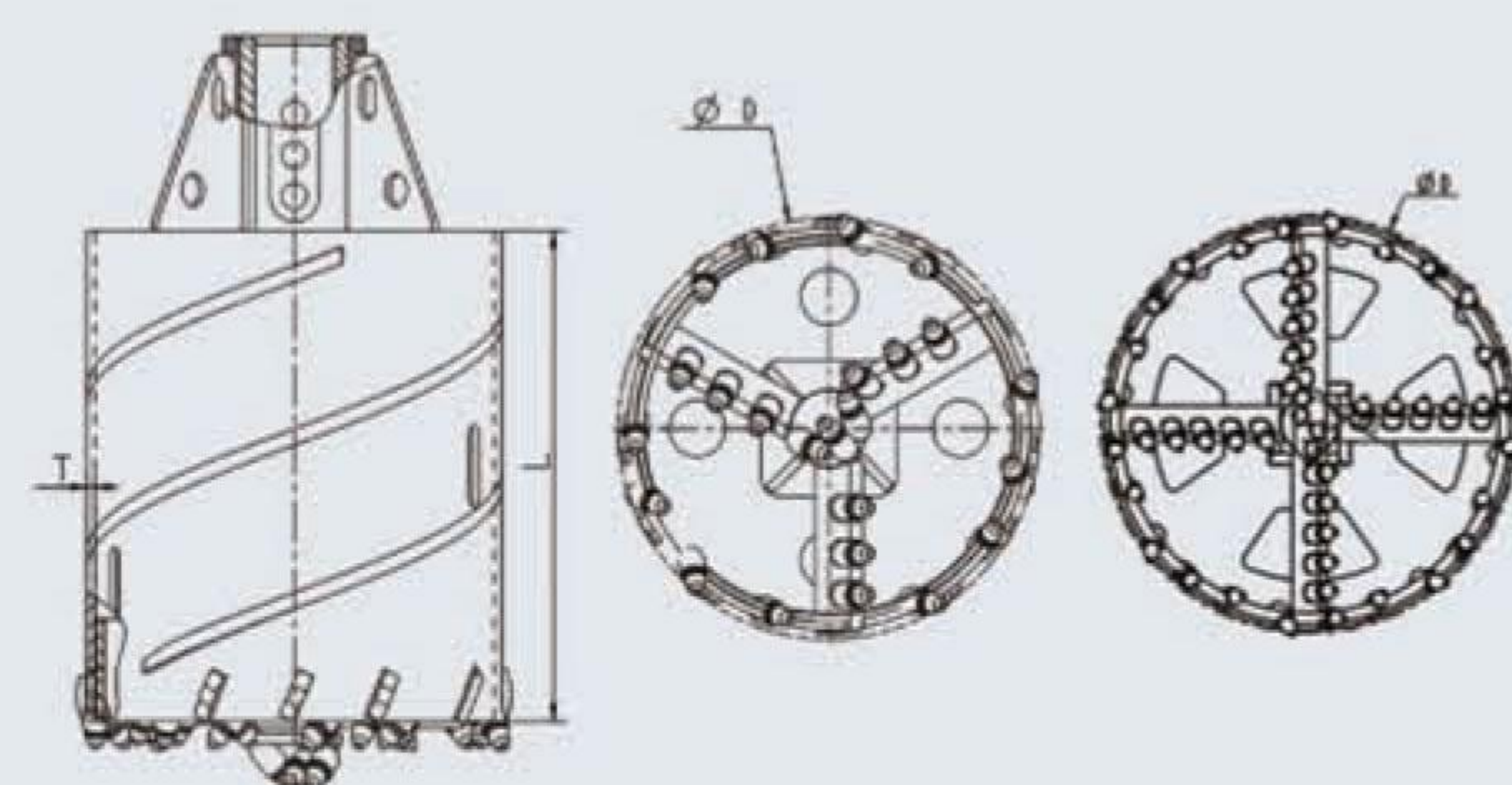
三叉戟筒钻 (三叉型&十字型)

Core Barrel with Crossing Cutter



钻具特点 Feature

- 筒体环切释放岩石围压，三叉（十字）型装置跟进研磨破碎；
- 裂隙发育丰富的地层，三叉（十字）型装置提升带渣能力；
- 适用地层：碎石土层、强风化岩层、中风化岩层；
- Cutting ring with rock drilling bits and releases the internal stress of rock, while cutting inside;
- Crossing cutter make it easy to carry soil, when drilling in the full fracture rock layer;
- Applicable layers: gravel soil, highly weathered rock, medium weathered rock;

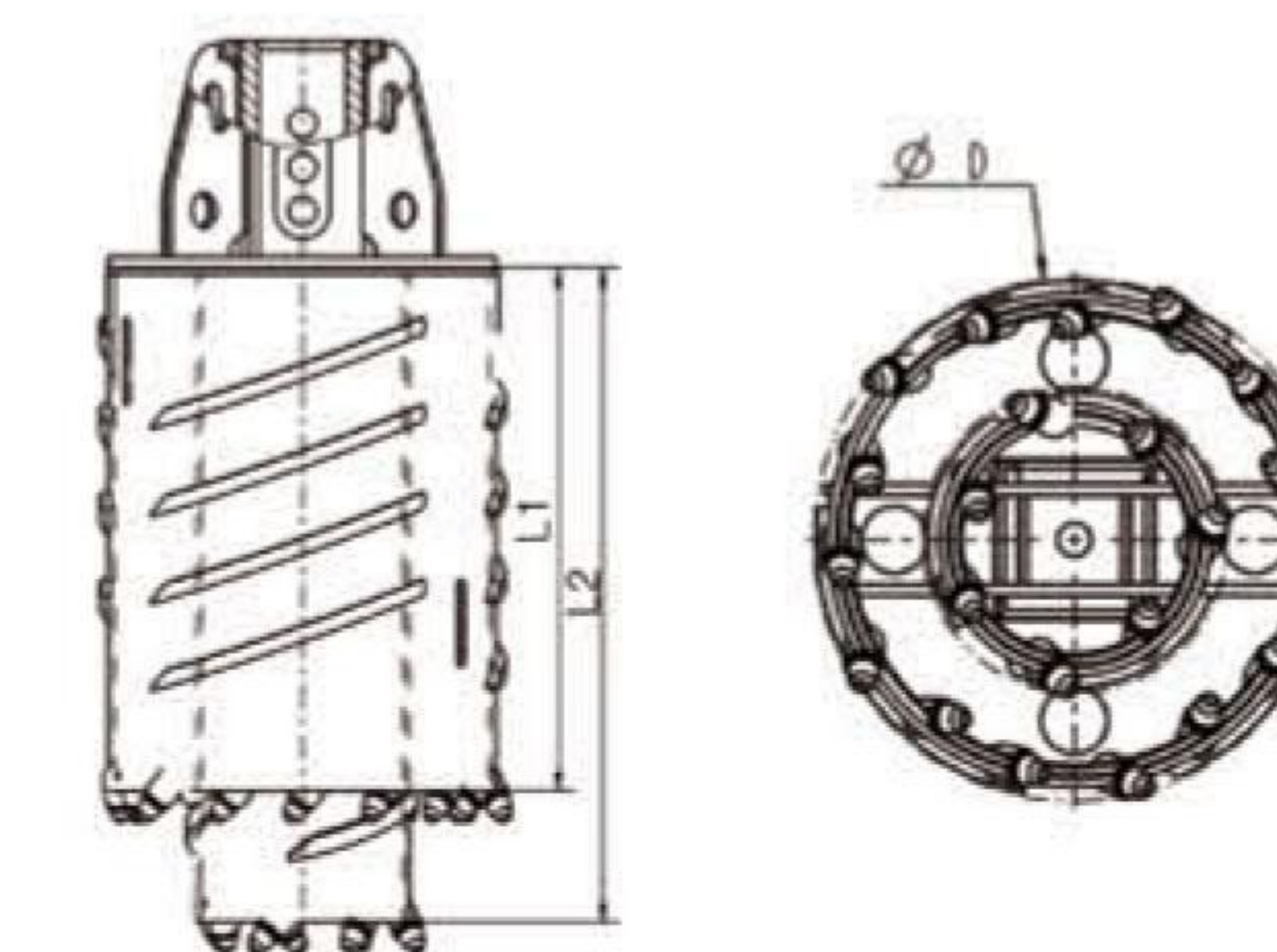


切削直径 Cutting Dia.	筒体高(L) Shell HIT.	筒壁厚(T) Shell THK.	齿数 Teeth No.	重量 Weight
φ 600	1200	20	11	850
φ 800	1200	20	18	1050
φ 1000	1200	20	24	1200
φ 1200	1200	20	27	1450
φ 1400	1200	20	33	1700
φ 1500	1200	20	36	1900
φ 1800	1000	20	40	2200

度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

双层筒钻

Core Barrel with Double Shell

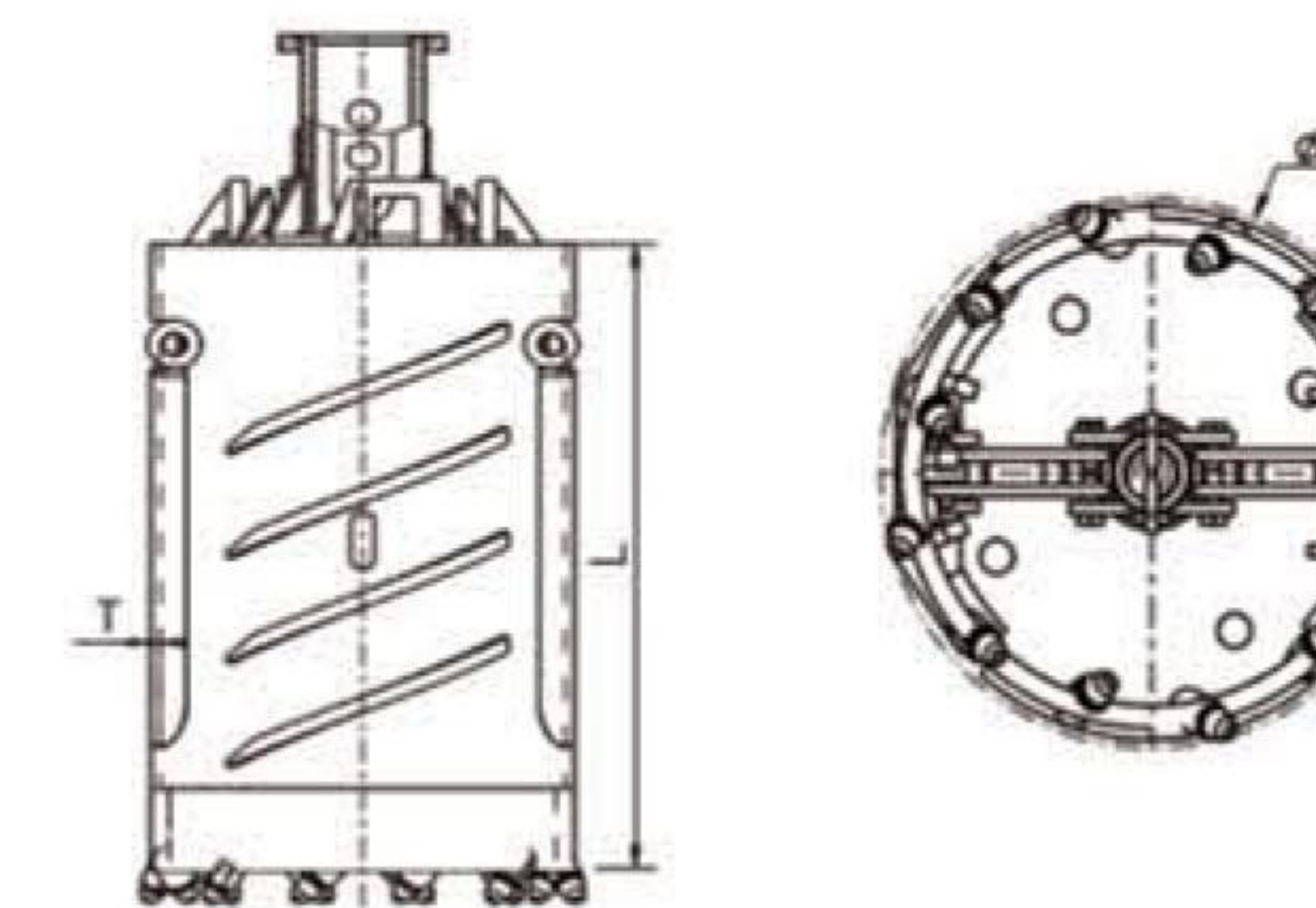


切削直径 Cutting Dia.	外筒高(L1) Shell HIT.	内筒高(L2) Shell HIT.	齿数 Teeth No.	重量 Weight
φ 1000	1200	1500	17	1200
φ 1200	1200	1500	20	1400
φ 1500	1200	1500	24	1900
φ 1800	1000	1300	29	2500
φ 2000	800	1100	33	2600

度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

抱岩筒钻

Core Barrel with Two Arms



切削直径 Cutting Dia.	筒体高(L) Shell HIT.	筒壁厚(T) Shell THK.	齿数 Teeth No.	重量 Weight
φ 800	1200	20	12	900
φ 1000	1500	20	15	1400
φ 1200	1500	20	18	1700
φ 1500	1500	20	24	2100
φ 2000	1500	20	36	3000

度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

体开钻斗&体开筒钻

Open-type Bucket
Open-type Core Barrel



钻具特点 Feature

- 大进口口设计，体开式筒体结构，高效卸渣，提升钻进效率；
- 筒体、导板、加强筋强化设计，提升钻斗使用寿命；
- 筒体周围布置导条，防止吸钻；
- 适用地层：粘土层、淤泥层、强风化岩层；
- Large inlet of soil, open shell design, easy to dump spoil so increases the drilling efficiency;
- Super strength structure for shell, guide plate etc, increase the life cycle of bucket;
- Guide strips arranged on the surface of bucket can avoid drilling tool sucked by the pressure;
- Applicable layers: clay, silt, highly weathered rock;

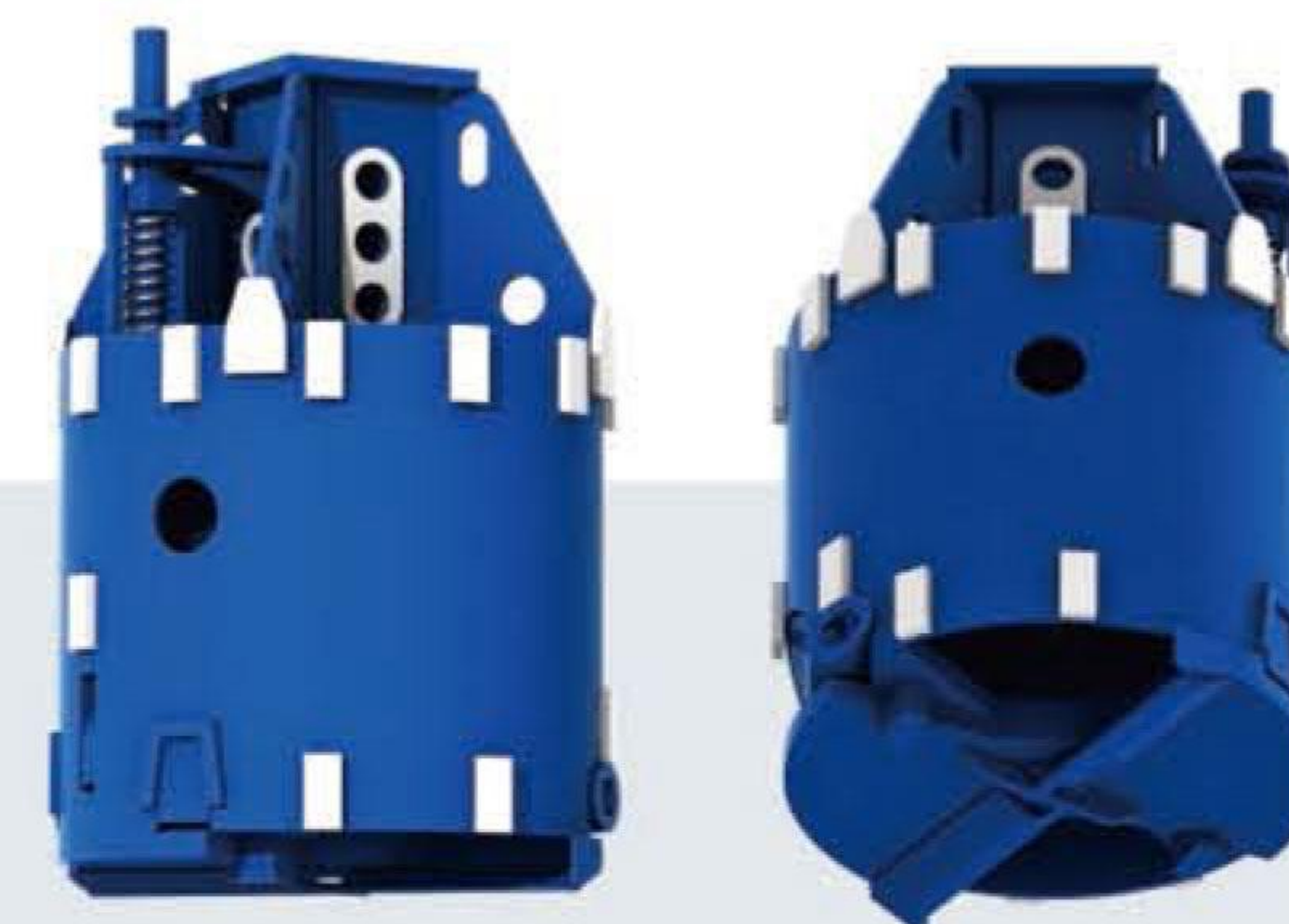


切削直径 Cutting Dia.	筒体高(L) Shell HIT	筒壁厚(T) Shell THK.	齿数 Teeth No.	重量 Weight
φ 600	1200	25	8	800
φ 800	1200	30	10	1200
φ 900	1200	30	12	1350
φ 1000	1200	30	14	1650
φ 1200	1200	30	16	1900

度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

清孔钻斗

Cleaning Bucket



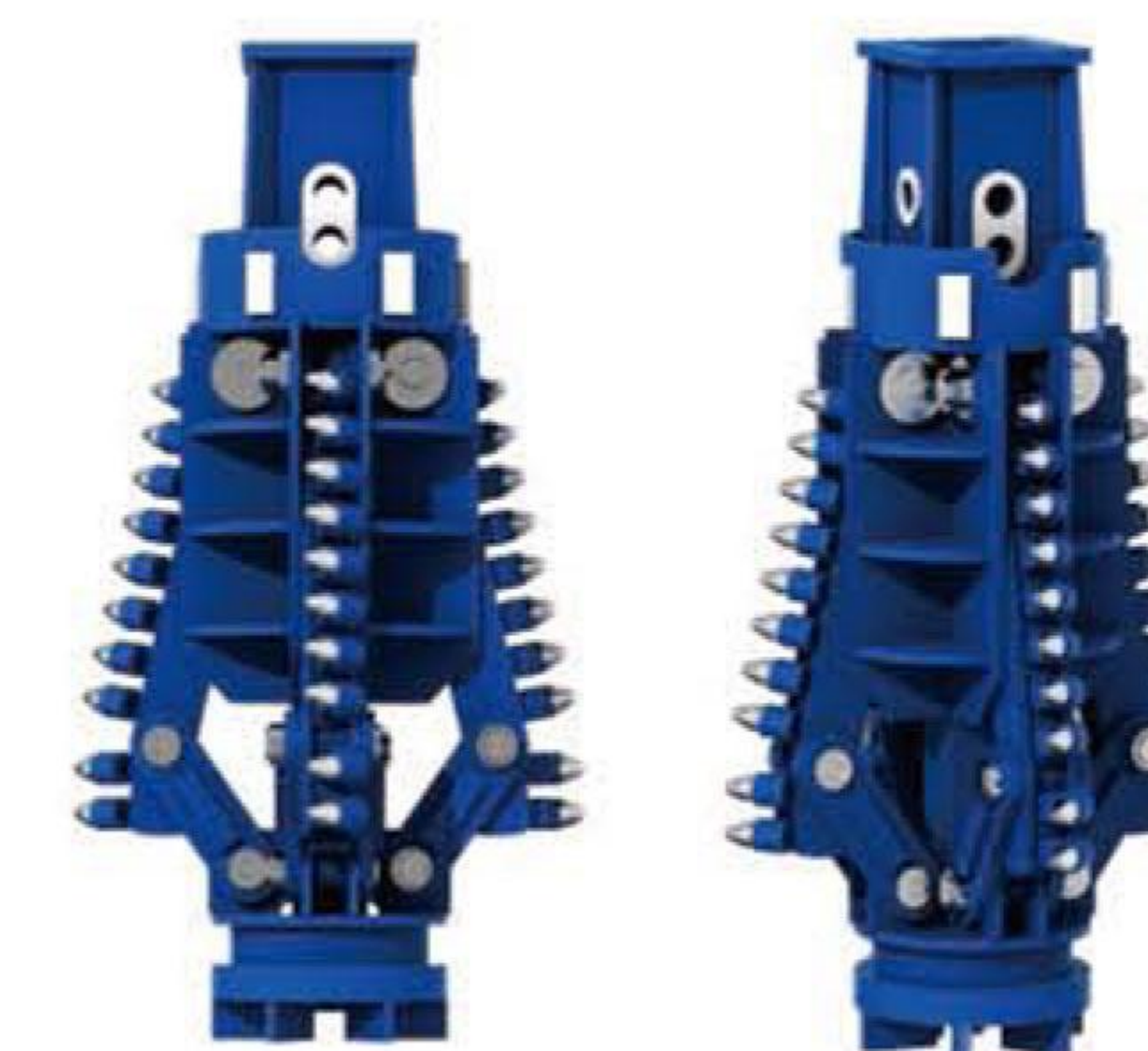
钻具特点 Feature

- 锥筒、直筒依工况酌情选取；
- 直导板或无导板依工况酌情选取；
- 适用范围：清理孔底沉渣，流塑性软土地层；
- Choose conical or straight bucket according to different working conditions;
- Choose straight guide plate or no guide plate according to different working conditions;
- Applicable scope: cleaning spoil at pile bottom, soft layer;



扩底钻头

Belling Bucket



型号 Model	翼展数目 Swing No.	齿数 Teeth No.	重量 Weight
φ 600-1200	4	40	1500
φ 800-1600	4	48	1900
φ 900-1800	4	56	2100
φ 1000-2000	4	60	2400
φ 1500-3000	4	64	3500

度量单位为毫米 (mm)；重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.

异形钻头 Special Drilling Tools



● 摆管器
Casing Adaptor

● 驱动花筒
Casing Driver

● 双壁套管
Double Wall Casing

● 套管靴
Casing Shoes

套管系列
Casing Series

P

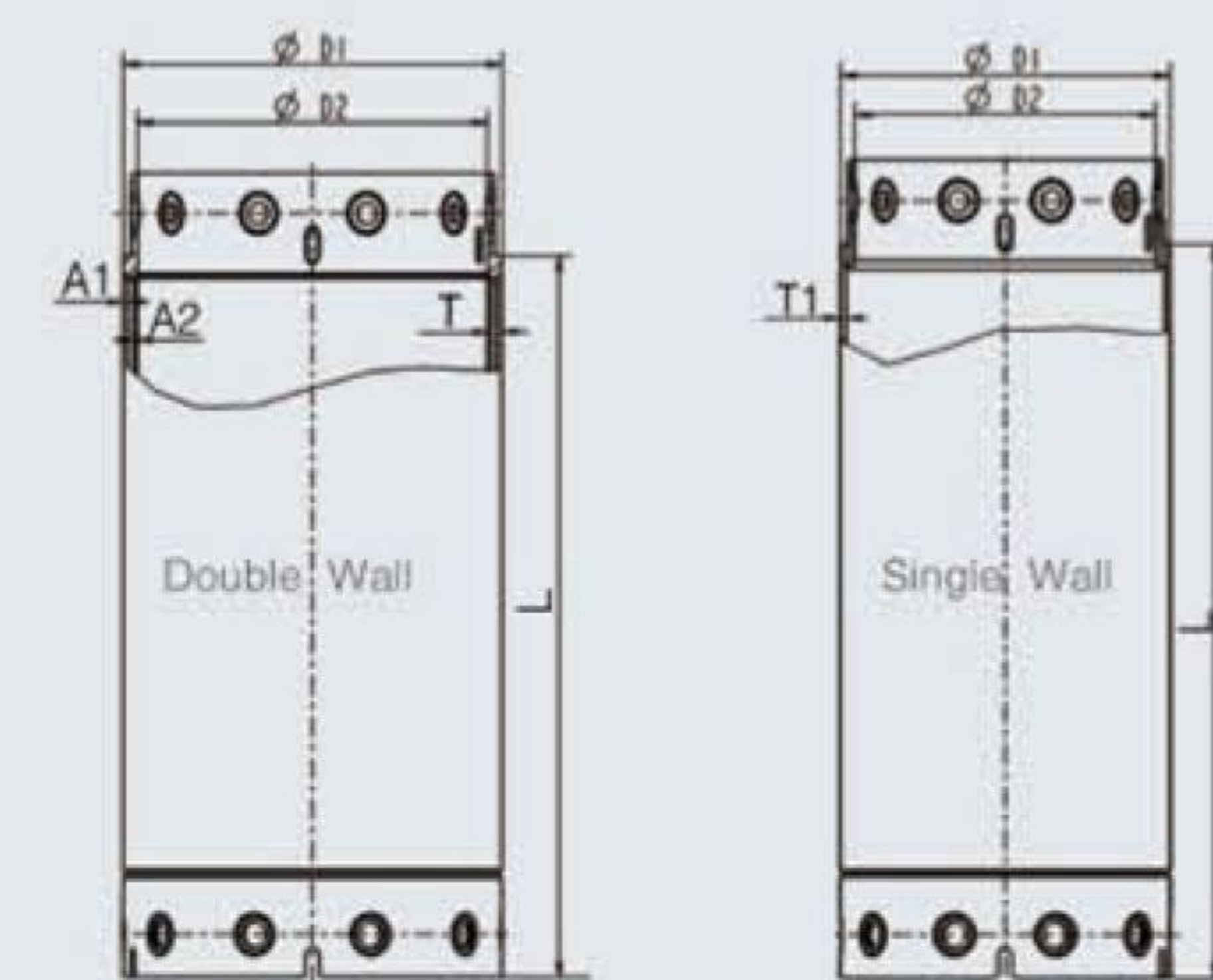
- 16 ----- 双壁套管 Double Wall Casing
- 17 ----- 摆管器 Casing Adaptor
- 驱动花筒 Casing Driver
- 18 ----- 套管靴 Casing Shoes
- 套管辅件 Casing Attachment



套管 (双壁&单壁) Double Wall Casing & Single Wall Casing

钻具特点 Feature

- 产品技术参数与工艺均沿用宝峨标准;
- 套管接头经过热处理工艺, 严格控制变形量, 保证精度, 各套管节可互换;
- 除适配国产钻机和宝峨钻机外, 也适配于土力、卡萨等机型;
- The technical parameters and processes of the products are in line with the Bauer standard;
- Deformation and accuracy is strictly controlled through heat treatment, each casing is interchangeable;
- Besides Bauer, casing is also suitable for Soilmec, Casagrande and other brand;

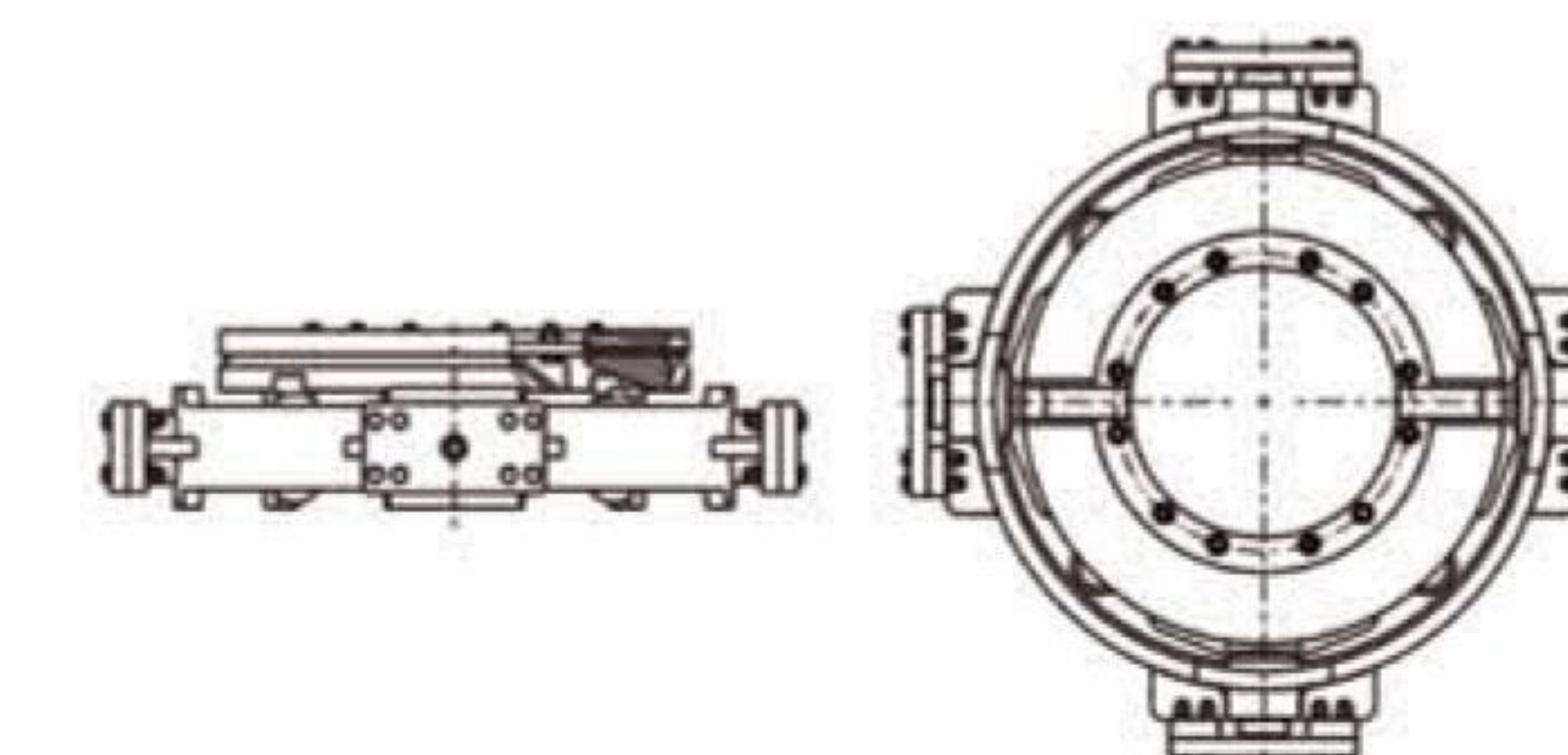


直径 D1-D2	外筒厚 A1	内筒厚 A2	总壁厚 T	螺栓数 Bolts No.
680-600	12	8	40	8
880-800	12	8	40	10
1080-1000	16	8	40	10
1280-1200	16	10	40	12
1600-1500	20	10	50	16
1800-1700	20	10	50	16
2000-1880	20	16	60	12

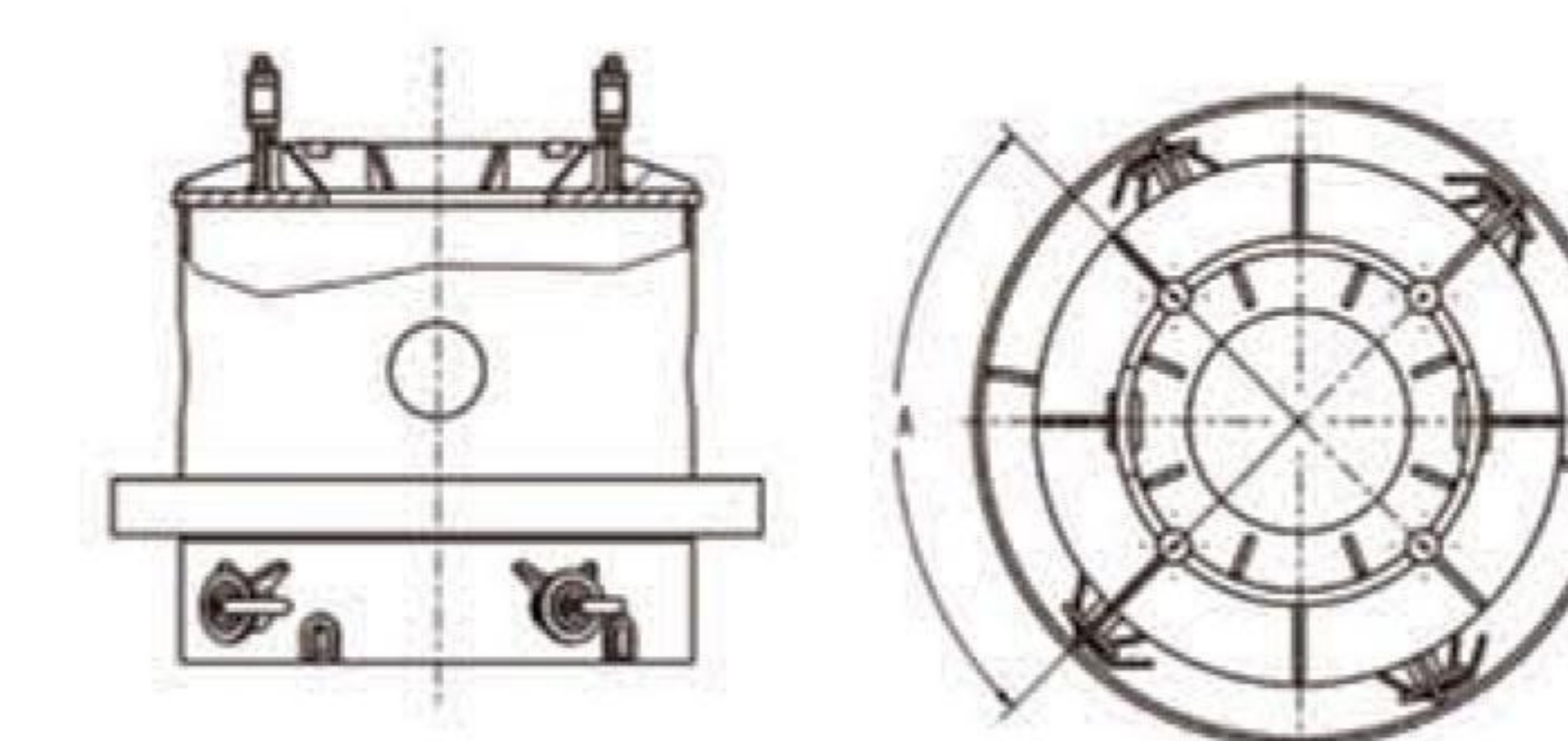
度量单位为毫米 (mm); 重量单位为千克 (kg)。
The length is in millimeters, weight in kilograms.



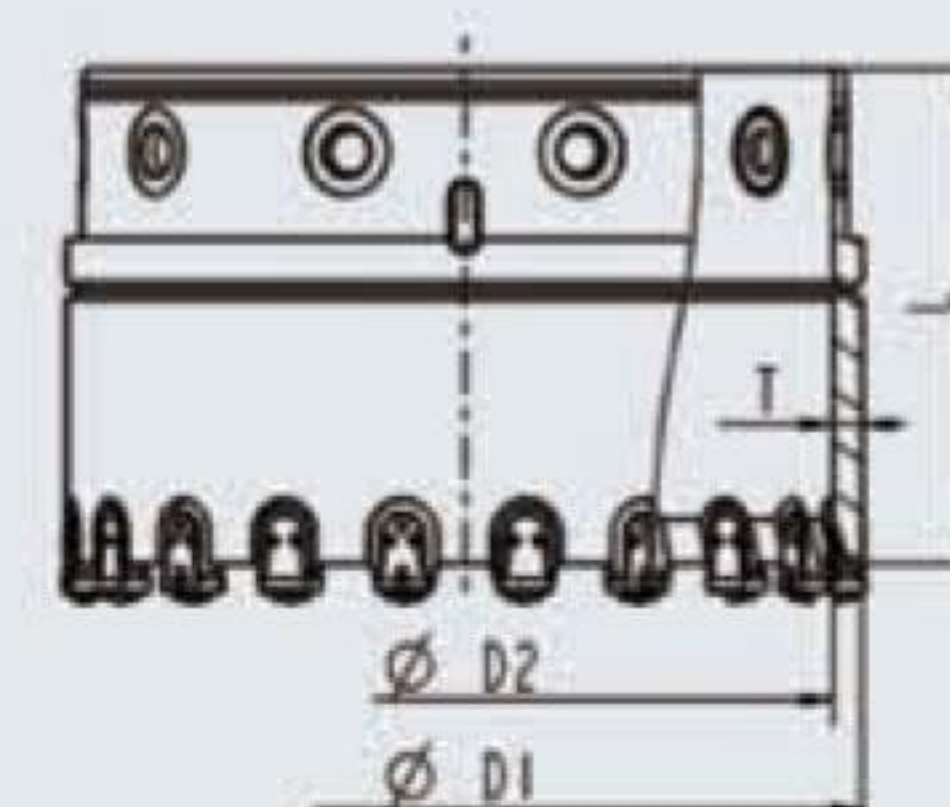
摆管器 Casing Adaptor



驱动花筒 Casing Driver



套管靴 Casing Shoes



套管辅件 Casing Attachment



套管支架
Casing Support



套管接头
Casing Joint



套管靴齿
WS39 Teeth



套管连接件
Casing Connection



旋挖钻齿
Drilling teeth

- P*
- 20-21 ----- 截齿 Bullet Teeth
 - 牙轮 Roller Bits
 - 22 ----- 土齿 Soil Teeth
 - 中心锥 Pilot Bits

截齿 (Bullet Teeth)

软岩(Soft rock) & 中硬岩
(Medium hard rock)

软岩层截齿推荐 (fr < 30Mpa)

Bullet Teeth For Soft Rock

适用地层：卵石层、泥岩层、煤矸石。

Applicable layers: pebble, mudstone, Coal gangue.



DF60-22



DF60-25

中硬岩层截齿推荐 (30Mpa < fr < 60Mpa)

Bullet Teeth For Medium Hard Rock

适用地层：页岩、灰岩、砂岩、花岗岩、砾岩。

Applicable layers: shale, limestone, sandstone, granite, conglomerate.



DF60-26



DF60-22V10



DF60-25E10

适用地层：砂岩、花岗岩、凝灰岩、辉长岩。

Applicable layers: sandstone, granite, tuff, gabbro.



DF60-25V10



DF60-26V10



DF60-30



DF60-30E

截齿 (Bullet Teeth)

硬岩(Hard rock)

硬岩层截齿推荐 (fr > 60Mpa)

Bullet Teeth For Hard Rock

适用地层：花岗岩、玄武岩、片麻岩、石英岩、凝灰岩

Applicable layers: granite, basalt, gneiss, quartzite, tuff.



DF60-30V10



DF60-30E10

坚硬岩层牙轮推荐

Roller Bit For Hard Rock

焊接式牙轮
Weld type roller bits

可更换式牙轮
Replaceable type roller bits



截齿齿座

Teeth Holder



土齿 (Soil Teeth) 中心锥(Pilot Bits)



FZ80 Series



FZ72 Series



V20 Teeth



TL18 Teeth



TL25 Teeth



鱼尾座
Fishtail Bits



四分头
RP Bits



中心锥
Pilot Bits



旋挖钻杆
Kelly Bar

- P**
- 24-25 ----- 旋挖钻杆 Kelly Bar
 - 26 ----- 钻杆配件 Accessories
 - 27 ----- 长螺旋钻杆 CFA Continue Flight Auger

钻杆 Kelly Bar



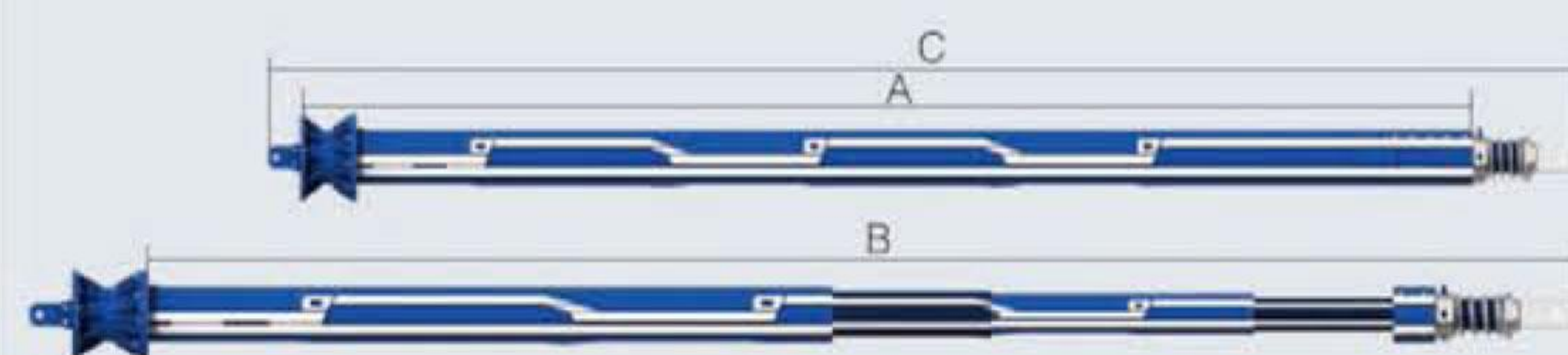
钻杆特点 Feature

- 原材料选控严格，钻杆方头等关键零部件全部采用锻造工艺，质量可靠；
- 加压点、键条、内键等部件采用热处理工艺，并优化布键结构，提高耐磨性；
- 钻杆整体抗扭安全系数高，抗压及抗振能力亦高于平均水平，更适合入岩要求；
- Strict selection of raw materials and forging parts such as drive stub to assure the reliable quality;
- Heat treatment is widely used in the key parts such as drive keys to improve wear resistance;
- With high torsional coefficient, the compression and vibration resistance of Kelly bar is higher than average level, high efficient in rock drilling construction;



钻杆尺寸 Dimensions

- A 最外层杆长度 The first section length
B 钻杆展开长度 The extended length
C 钻杆运输长度 The transport length



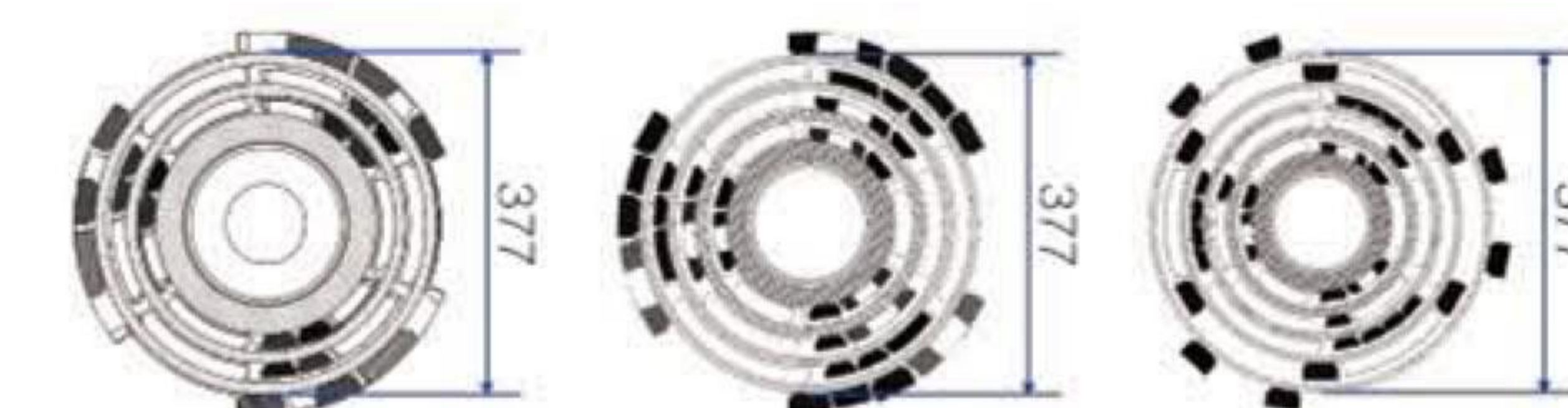
325系列钻杆型谱表 325 Series Kelly Bar Model List



型号(m) Type	C (mm)	钻深(m) Drilling depth	重量(T) Weight
三层机锁 $\phi 325-3 \times 12$ 3 sections Interlocking	13325	31	5.1
四层机锁 $\phi 325-4 \times 12$ 4 sections Interlocking	13325	43	4.5

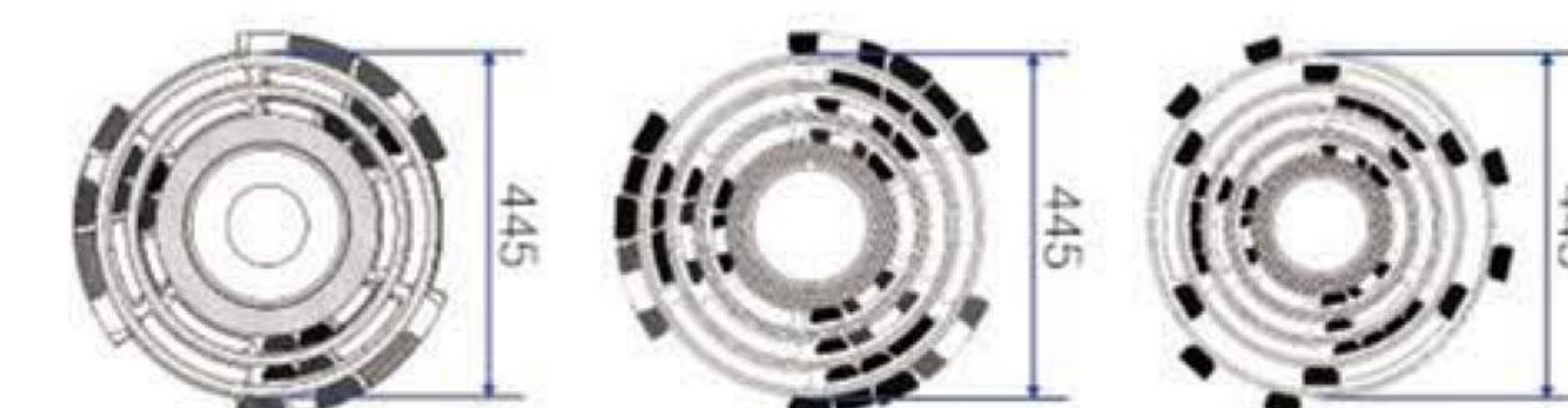
钻杆 Kelly Bar

377系列钻杆型谱表 377 Series Kelly Bar Model List



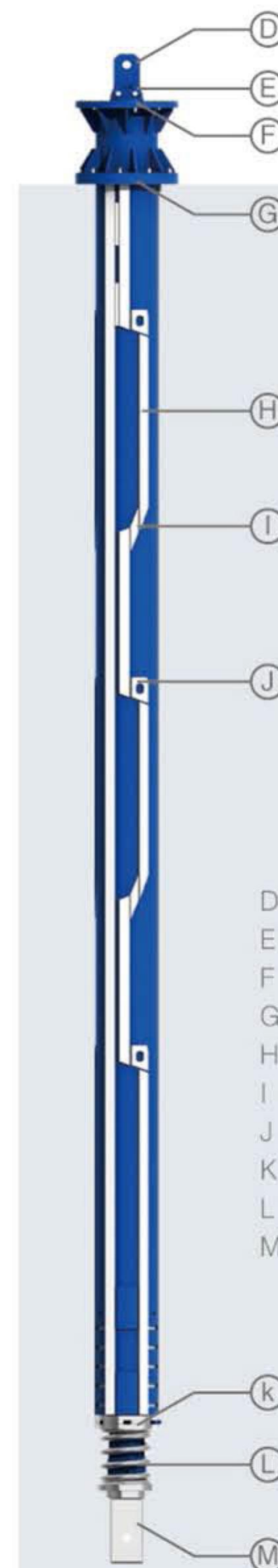
型号(m) Type	C (mm)	钻深(m) Drilling depth	重量(T) Weight
三层机锁 $\phi 377-3 \times 10$ 3 sections Interlocking	11600	25	7.1
三层机锁 $\phi 377-3 \times 12$ 3 sections Interlocking	13600	31	8.5
四层机锁 $\phi 377-4 \times 10$ 4 sections Interlocking	11600	34	5.4
四层机锁 $\phi 377-4 \times 12$ 4 sections Interlocking	13600	42	6.5
五层摩阻 $\phi 377-5 \times 10$ 5 sections Friction	11400	45	5.1
五层摩阻 $\phi 377-5 \times 12$ 5 sections Friction	13400	55	6.1

445系列钻杆型谱表 445 Series Kelly Bar Model List



型号(m) Type	C (mm)	钻深(m) Drilling depth	重量(T) Weight
三层机锁 $\phi 445-3 \times 13$ 3 sections Interlocking	14640	33	9.2
三层机锁 $\phi 445-3 \times 15$ 3 sections Interlocking	16640	39	10.6
四层机锁 $\phi 445-4 \times 13$ 4 sections Interlocking	14640	44	10.0
四层机锁 $\phi 445-4 \times 15$ 4 sections Interlocking	16640	52	11.5
五层摩阻 $\phi 445-5 \times 13$ 5 sections Friction	14570	58	9.8
五层摩阻 $\phi 445-5 \times 15$ 5 sections Friction	16570	68	11.3

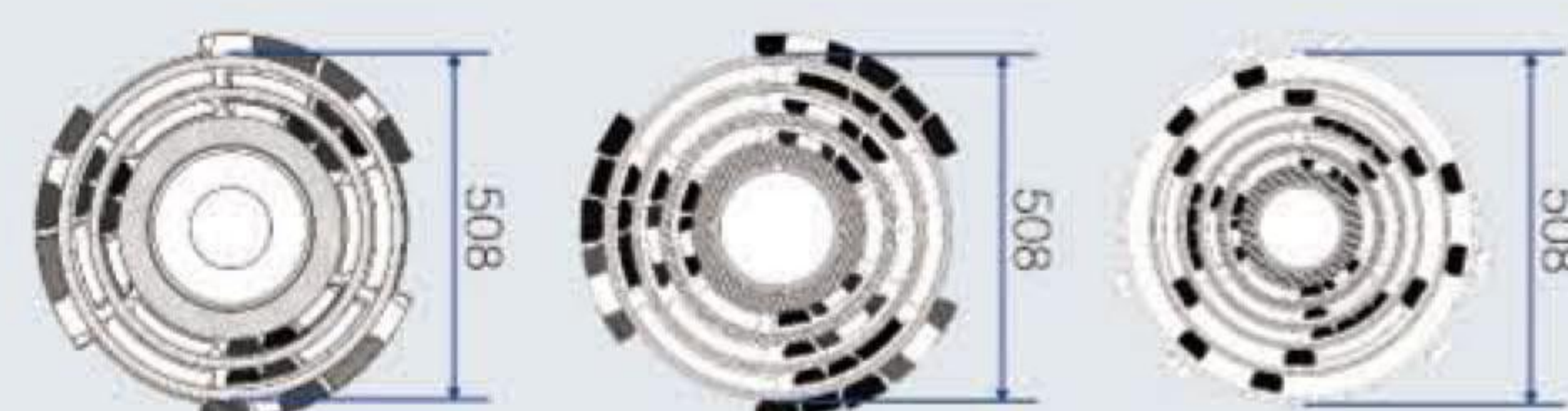
- D 扁头 Flat head
E 螺栓 Bolts
F 挡板 Baffle
G 减震橡胶 Dumping Rubber
H 外键 Foreign Keys
I 斜键 Taper Keys
J 加压台 Pressure Plate
K 分水盘 Water Separator
L 弹簧 Spring
M 方头 Drive Stub



钻杆配件 Accessories

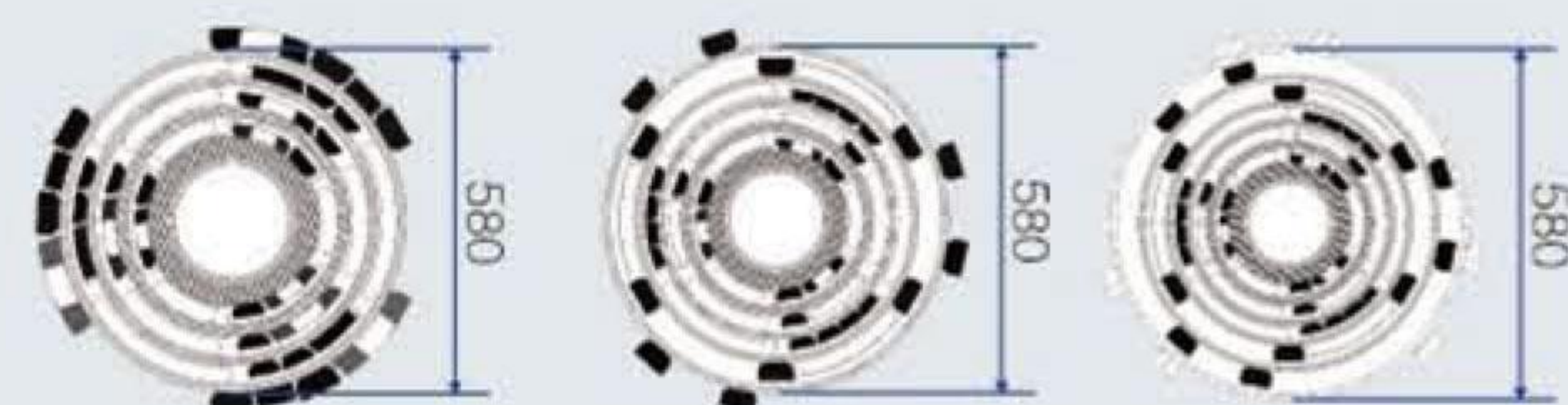


508系列钻杆型谱表 508 Series Kelly Bar Model List



型号(m) Type	C (mm)	钻深(m) Drilling depth	重量(T) Weight
三层机锁 $\phi 508-3 \times 13$ 3 sections Interlocking	14640	33	11.7
三层机锁 $\phi 508-3 \times 15$ 3 sections Interlocking	16640	39	13.4
四层机锁 $\phi 508-4 \times 13$ 4 sections Interlocking	14670	44	10.8
四层机锁 $\phi 508-4 \times 15$ 4 sections Interlocking	16670	52	12.3
六层摩阻 $\phi 508-6 \times 13$ 6 sections Friction	14580	68	12.7
六层摩阻 $\phi 508-6 \times 15$ 6 sections Friction	16580	81	14.7

580系列钻杆型谱表 580 Series Kelly Bar Model List

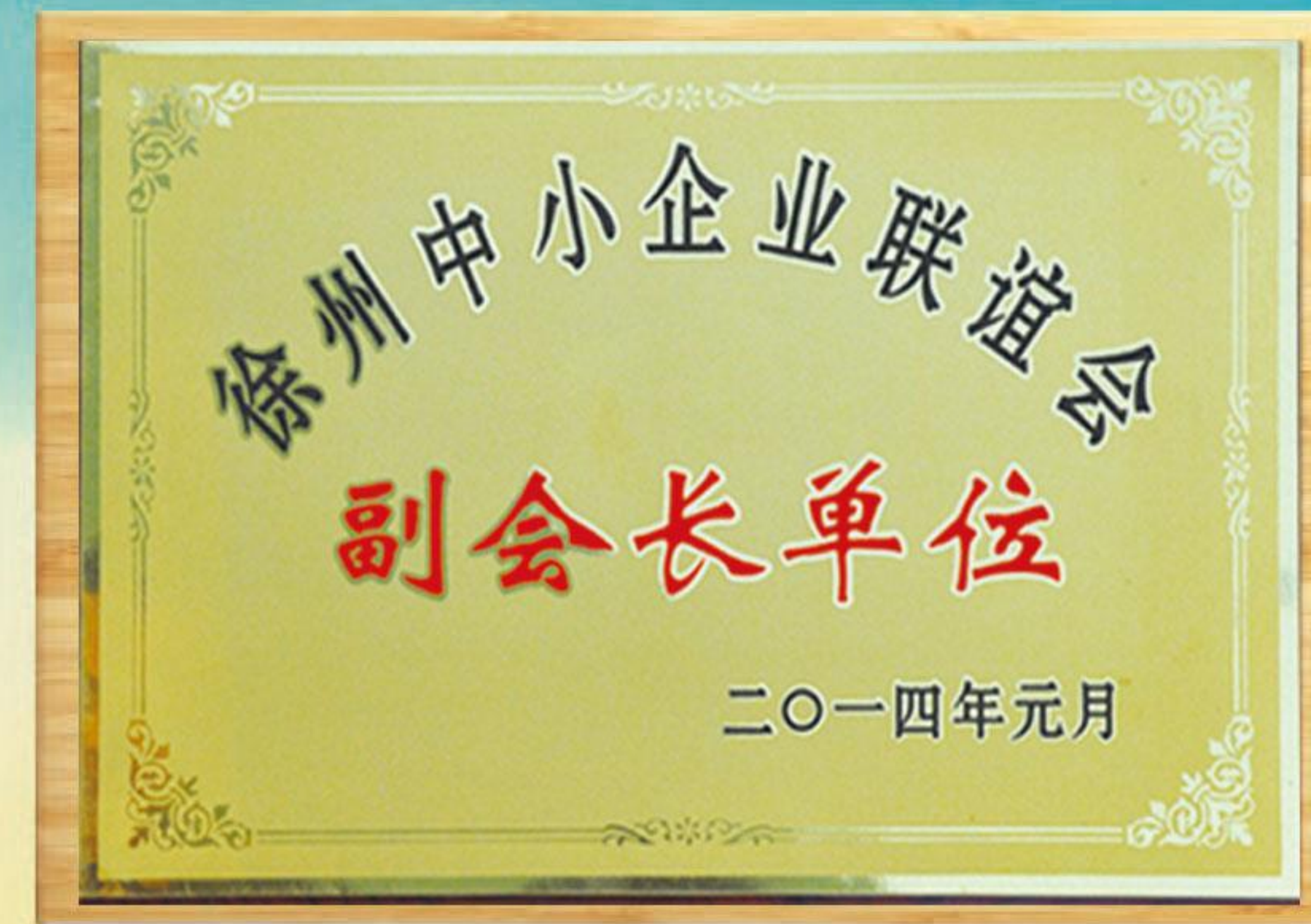


型号(m) Type	C (mm)	钻深(m) Drilling depth	重量(T) Weight
四层机锁 $\phi 580-4 \times 18$ 4 sections Interlocking	19750	64	19.0
四层机锁 $\phi 580-4 \times 20$ 4 sections Interlocking	21750	72	21.1
五层机锁 $\phi 580-5 \times 18$ 5 sections Interlocking	19750	82	21.8
五层机锁 $\phi 580-5 \times 20$ 5 sections Interlocking	21750	92	24.3
六层摩阻 $\phi 580-6 \times 18$ 6 sections Friction	19750	99	20.5
六层摩阻 $\phi 580-6 \times 20$ 6 sections Friction	21750	110	22.8

长螺旋钻杆 CFA Continue Flight Auger

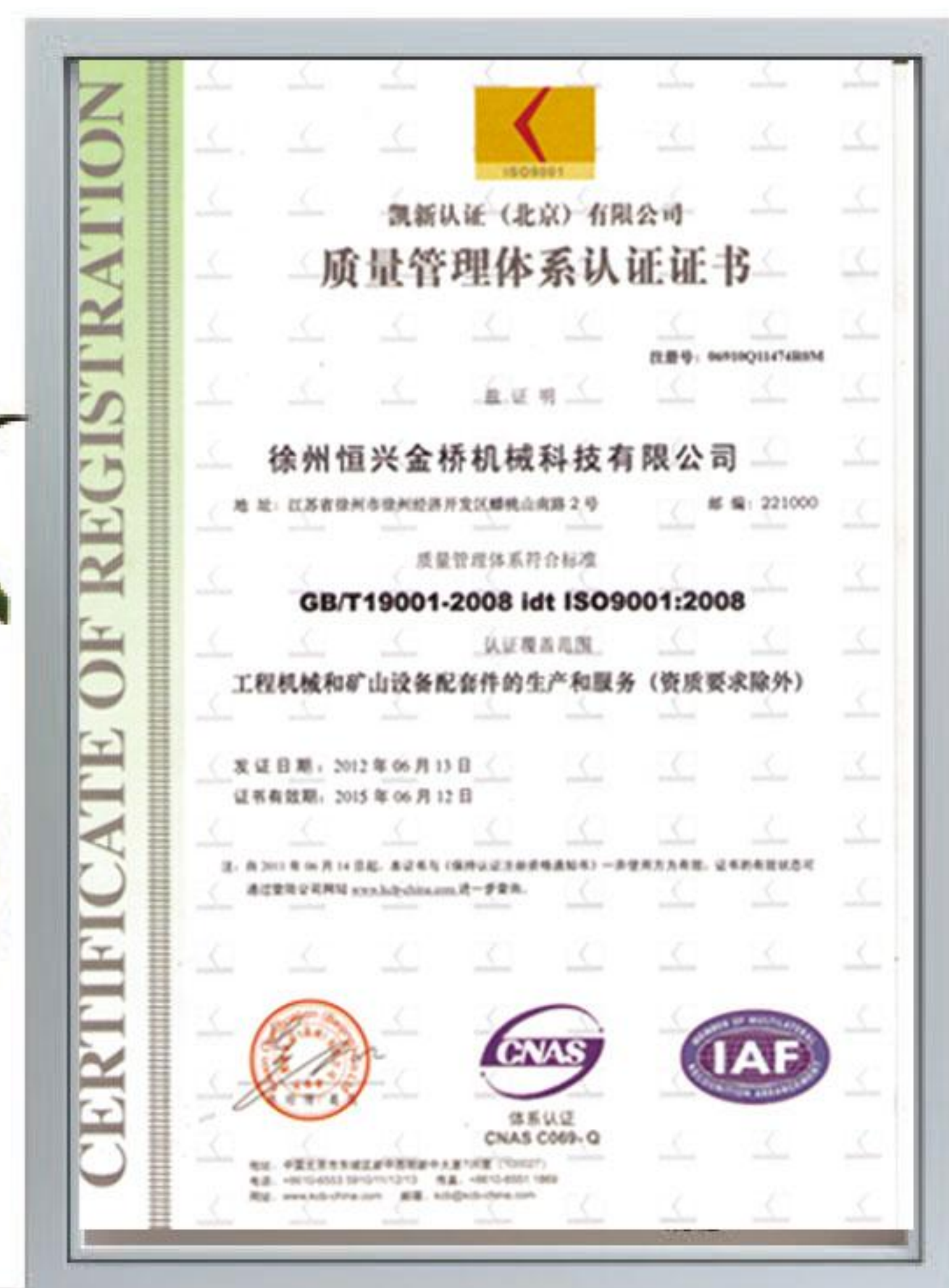


资质荣誉 QUALIFICATION



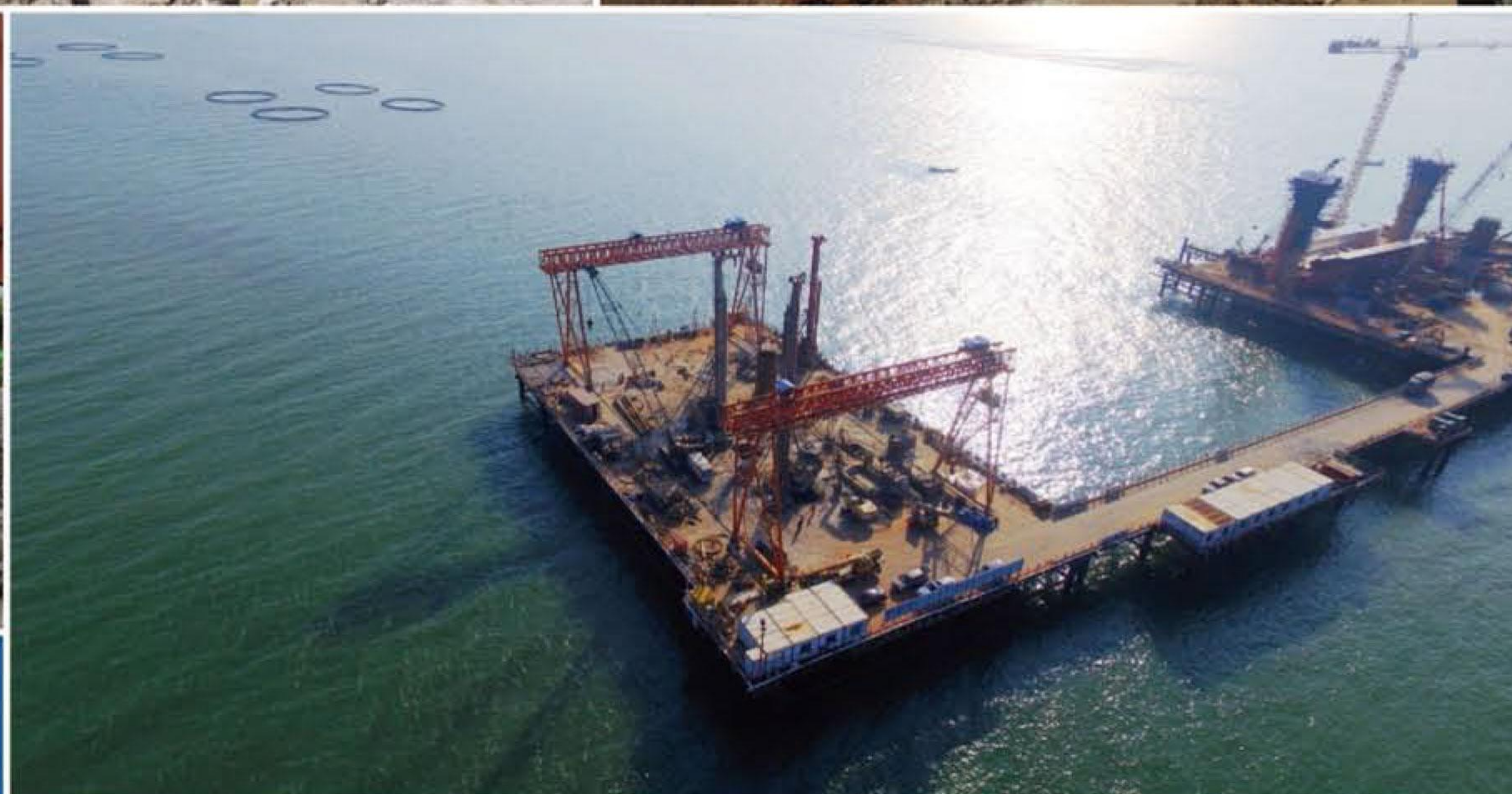
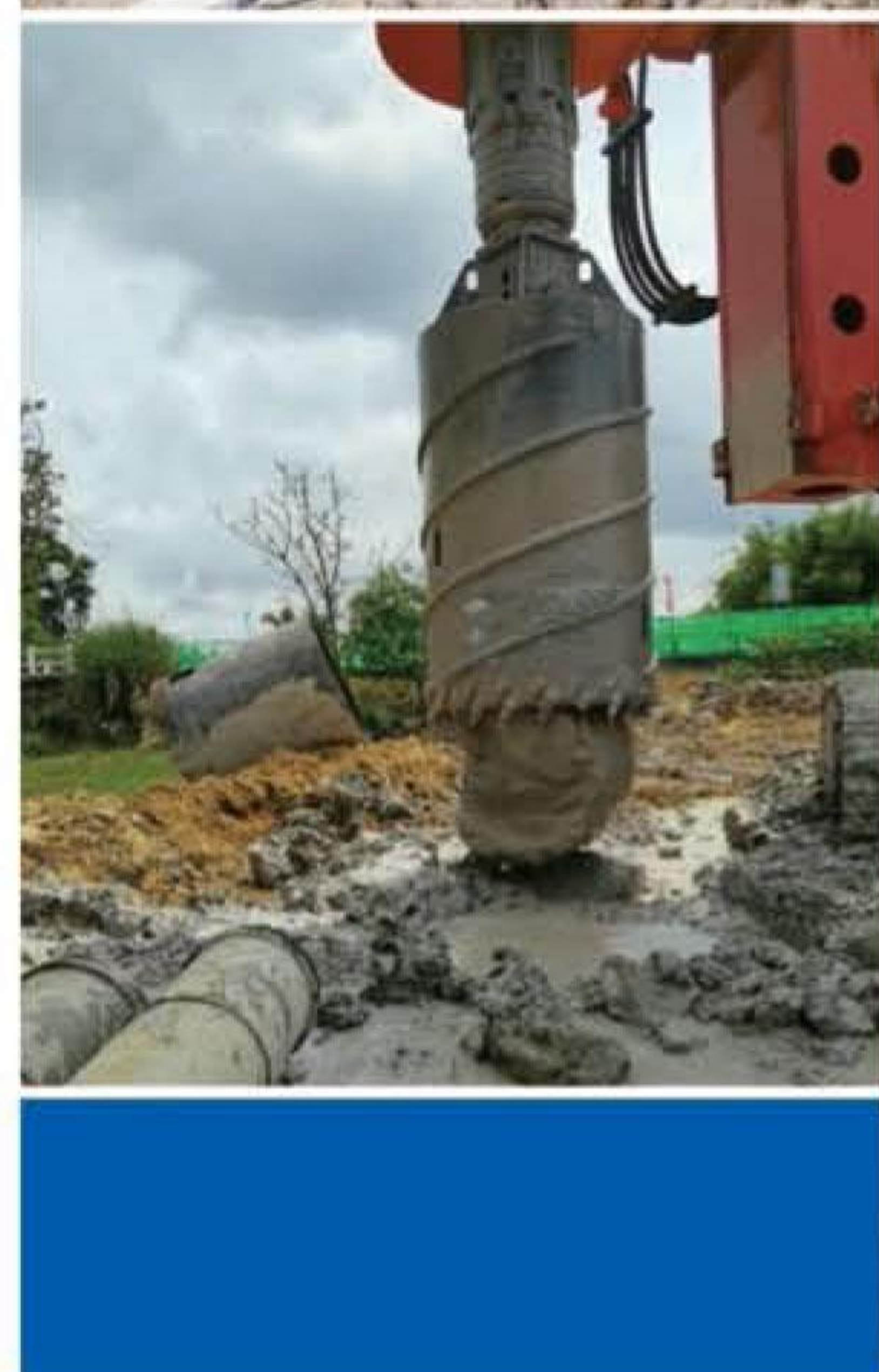
精湛的技术
优秀的研发团队
专业的施工工法服务

Exquisite quality of technology
Excellent R&D team
Professional construction method service



工程业绩 PERFORMANCE

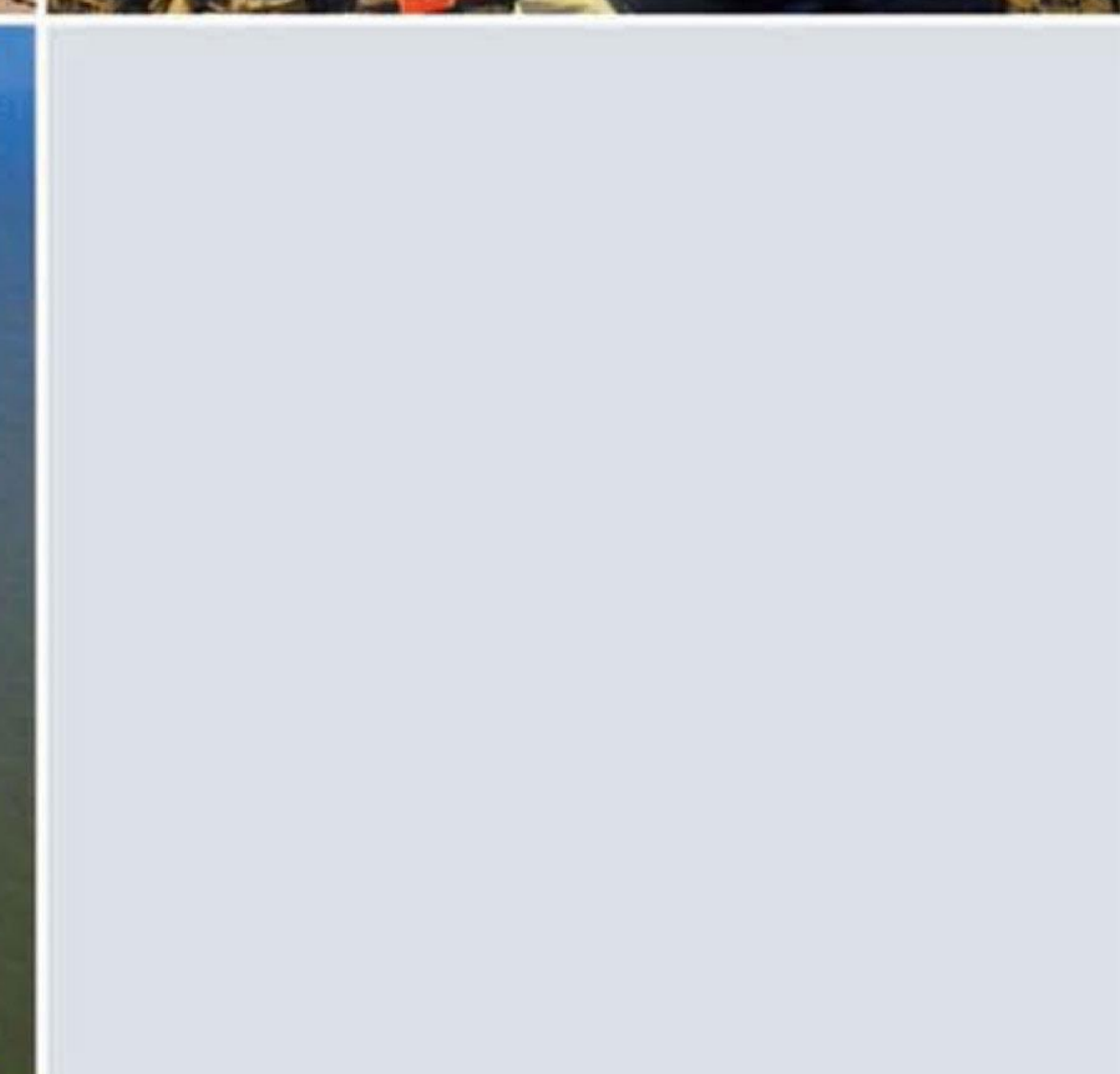
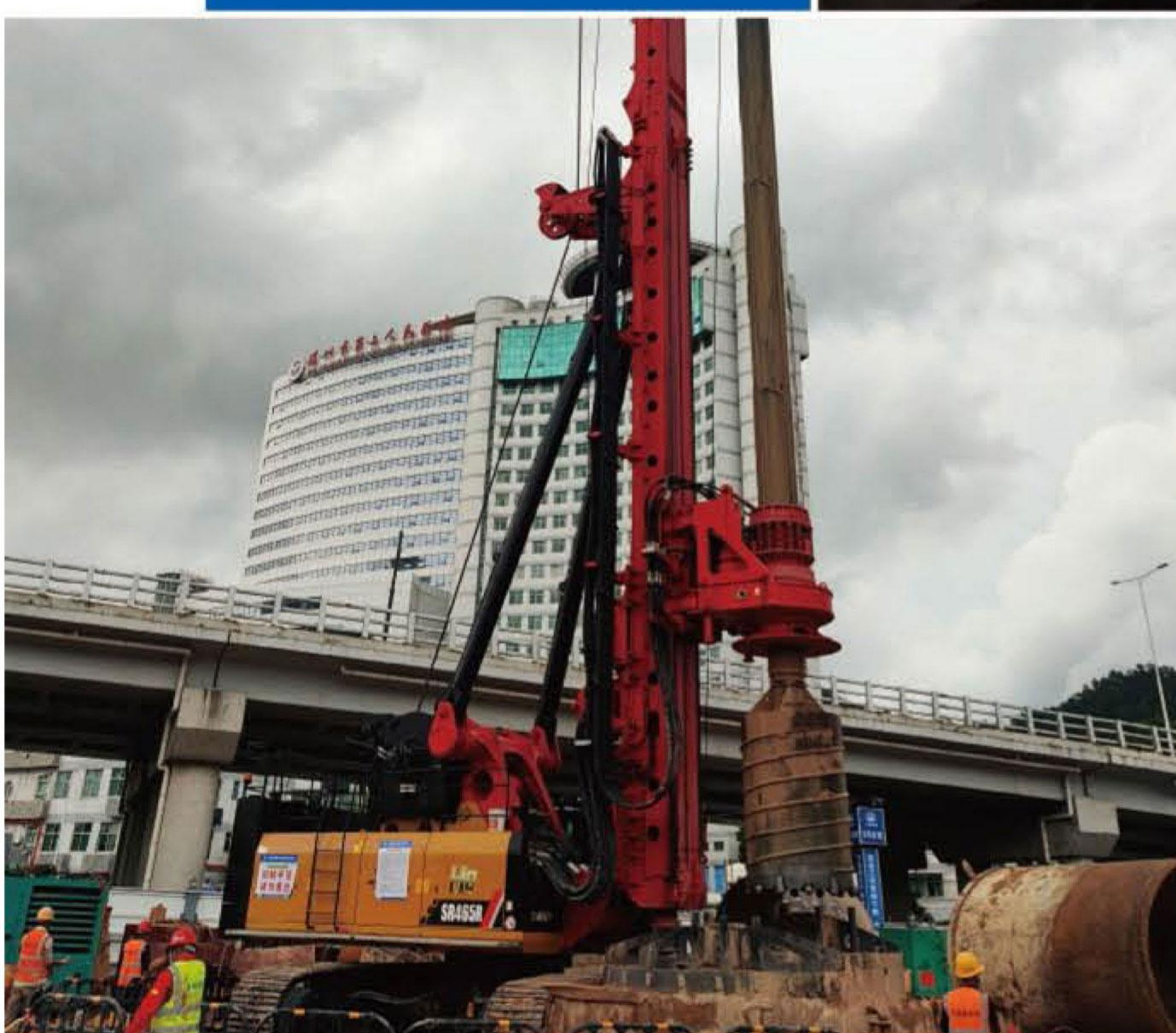
发挥钻机潜能; *Exert machine's potential;*
提高施工效率; *Improve operating efficiency;*
减少施工故障; *Reduce the accident rate;*
增加投资回报; *Increase the investment return;*



施工工法助您赢利

Construction Method Help You Gain Profits

Our products have excellent performance in practical application.



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产品畅销全国并远销至泰国、马来西亚、新加坡、菲律宾、印尼、越南、缅甸、迪拜、澳大利亚、加拿大、日本、俄罗斯等国家和地区。

actively explores the international market. Our products have been exported to Thailand, Malaysia, Singapore, Philippines, Indonesia, Vietnam, Myanmar, Dubai, Australia, Canada, Japan and Russia.



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展示展览 EXHIBITIONS

