



企业网址二维码
Enterprise website QR code



祥和圆
XIANG HE YUAN

匠心精工 · 品质凿岩 · 合作共赢
Artisanal Precision · Quality Drilling · Win-Win Cooperation

业务对接热线: 15167648666 13357659293

公司地址: 浙江省台州市路桥区金清镇黄琅分水盐场1号地块

台州市祥和机械有限公司

匠心精工 · 品质凿岩 · 合作共赢

网址: www.xhydrill.com

Email: xhydrill@gmail.com

WhatsApp: +86 13357659293

Business Contact Hotline: 15167648666 13357659293

Company Address: Plot 1, Huanglang Shenshui Salt Field,
Jinqing Town, Luqiao District, Taizhou City, Zhejiang Province

Taizhou Xianghe Machinery Co., Ltd.

Artisanal Precision · Quality Drilling · Win-Win Cooperation

Website: www.xhydrill.com

Email: xhydrill@gmail.com

WhatsApp: +86 13357659293



祥和圆
XIANG HE YUAN

专注矿山凿岩工具研发制造 匠心铸就掘进利器

Focus on the research and manufacturing of mining rock drilling tools
With meticulous craftsmanship, create powerful excavation tools



台州市祥和机械有限公司
Taizhou Xianghe Machinery Co., Ltd.

企业介绍

Company Introduction

台州市祥和机械有限公司，扎根制造业底蕴深厚的滨海之城——浙江台州，深耕矿山凿岩工具领域多年，是集研发、生产、销售于一体的业内知名球齿钻头专业供应商。

公司倾力打造自主品牌祥和圆，以“产品品质圆满、客户合作圆满、行业共赢圆满”为核心初心，凭借稳定可靠的产品与诚信务实的经营，赢得了海内外广大客户的长期信赖与口碑认可。

自成立以来，祥和机械始终专注矿山凿岩工具赛道，核心产品覆盖台车钻头、潜孔式钻头、硬质合金球齿等全系列品类，广泛应用于矿山开采、隧道掘进、基建工程、地质勘探等各类高硬岩层复杂作业场景，以硬核产品实力助力工程高效掘进。

依托现代化先进生产设备、资深专业研发技术团队，以及“以客户为核心”的全程服务理念，祥和机械不仅为市场提供耐磨耐用、高效节能的凿岩工具，更深度聚焦客户需求，为全球合作伙伴量身定制高适配性岩石钻进整体解决方案，实现与客户的长期共赢发展。

Taizhou Xianghe Machinery Co., Ltd. is rooted in the coastal city of Zhejiang Province, which has a profound manufacturing heritage. It has been deeply engaged in the mining rock drilling tool industry for many years and is a well-known professional supplier of ball tooth drills in the industry, integrating R&D, production and sales.

The company has made every effort to build its own brand, "Xianghe Yuan". With the core principle of "perfect product quality, perfect customer cooperation, and perfect industry win-win", it has gained the long-term trust and favorable reputation recognition from customers both at home and abroad through stable and reliable products and honest and pragmatic business operations.

Since its establishment, Xianghe Machinery has always focused on the mining rock drilling tool market. Its core products cover a full range of categories such as truck-mounted drill bits, sub-mechanical drill bits, and hard alloy ball teeth, and are widely used in various

complex operation scenarios involving high-hardness rock layers, such as mining, tunnel excavation, infrastructure projects, and geological exploration. With its cutting-edge product capabilities, it helps ensure efficient excavation of engineering projects.

Relying on modern advanced production equipment, a senior professional R&D team, and the "customer-centered" overall service concept, Xianghe Machinery not only provides the market with wear-resistant, durable and energy-efficient rock drilling tools, but also deeply focuses on customer needs, customizing high-adaptability rock drilling overall solutions for global partners, achieving long-term win-win development with customers.

专业凿岩工具制造商

Professional rock drilling tool manufacturer

主营业务： Main business:

- 1 液压台车钻头
Hydraulic platform drill bit
- 2 锥度柱齿钻头
Conical cylindrical tooth drill bit
- 3 扩孔钻头
Reaming drill bit
- 4 潜孔钻头
Drill bit for deep hole drilling

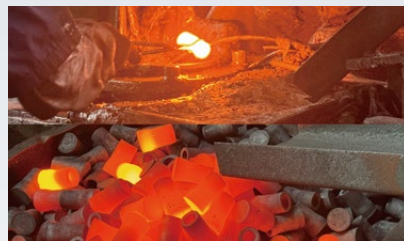


生产流程

Production process

整个生产过程都是由经过认证的工程师和高技能员工在内部完成的。从材料选择到产品包装，所有的步骤都是为了给我们的客户提供卓越的凿岩工具。

The entire production process is carried out internally by certified engineers and highly skilled employees. From material selection to product packaging, all steps are designed to provide our customers with outstanding rock drilling tools.



01 壳体锻打:

Shell forging:

采用优质特殊合金钢材，超高温成型锻打工艺。
Adopt high quality special alloy steel, ultra high temperature forming forging process.

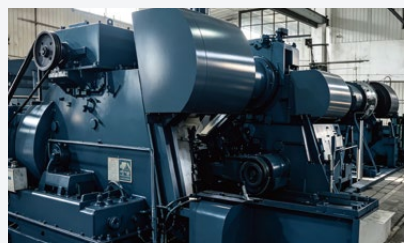


02 壳体机加工:

Shell forging:

利用精密车床机器将钻头壳体进行机加工，保证壳体加工的准确度和稳定性。

The precision lathe machine is used to machine the drill shell to ensure the accuracy and stability of the shell processing.



03 壳体热处理:

Shell heattreatment:

壳体热处理:采用先进热处理设备，提高钎头的全方面性能。

Advanced heat treatment equipment is used to provide all aspects of the performance of the bit.



04 壳体与合金成型工艺:

Shell and alloy forming process:

采用优质的耐磨性合金与钻头壳体进行配备。保证齿孔与合金齿的紧密相连，杜绝合金掉齿的可能。

Equipped with a high quality wear resistant alloy and drill casing. Ensure that the tooth hole and alloy teeth are closely connected to prevent the possibility of alloy tooth loss.

螺纹钻成品

Threaded drill product



锥孔球齿成品

Cone hole ball tooth finished product

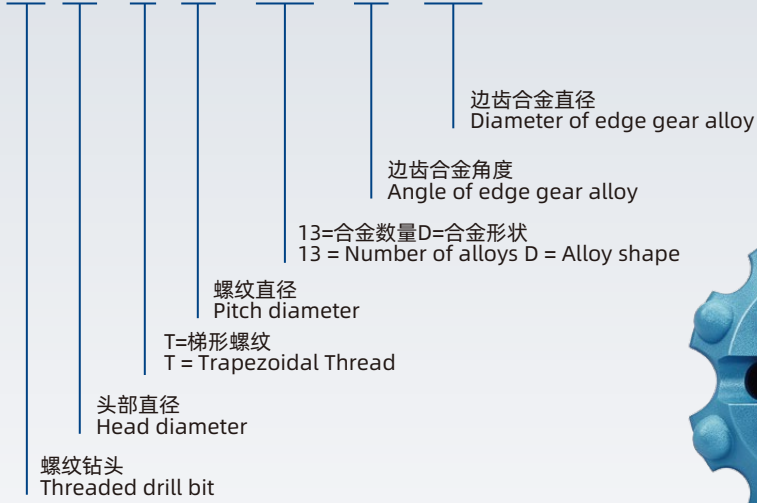


常规梯形螺纹钻头

CONVENTIONAL TRAPEZOIDAL THREAD DRILL BIT

型号说明 Model Description

L 89 - T 45 - 13D - 35 - B13



产品技术参数 Product technical parameters

				合金齿数量x直径 Number of alloy teeth x Diameter			水孔数量(pcs) Number of water holes (pcs)		
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	螺纹 Thread	边齿 Gauge	中齿 Front	边齿角度 Pitch angle	侧 Side	正 Sure	重量 Weight
L024	L64-T38-9D-40-B12	64	T38	6x12	3x11	40°	2	1	1.6
L025	L64-T38-10D-35-B12	64	T38	6x12	3x111x9	35°		3	1.6
L026	L64-T38-12D-35-B10	64	T38	8x10	4x10	35°	1	2	1.6
L027	L76-T38-12D-35-B12	76	T38	8x12	4x12	35°	1	4	2.4
L028	L76-T38-10D-40-B13	76	T38	6x13	4x12	40°	1	2	2.45
L029	L76-T45-12D-35-B12	76	T45	8x12	4x12	35°	1	4	2.5
L030	L76-T45-13D-35-B12	76	T45	8x12	5x11	35°	1	4	2.5
L031	L89-T38-14D-35-B12	89	T38	8x12	4x122x10	35°		4	3
L032	L89-T38-13D-36-B13	89	T38	8x13	5x12	35°	1	4	3.25
L033	L89-T45-14D-35-B13	89	T45	8x13	4x122x10	35°		4	3.3
L034	L89-T45-13D-35-B13	89	T45	8x13	5x12	35°	1	4	3.4
L035	L89-T51-14D-35-B13	89	T51	8x13	4x122x10	35°		4	3.4
L036	L89-T51-13D-35-B13	89	T51	8x13	5x12	35°		4	3.4
L037	L92-GT60-14D-35-B14	92	GT60/TW80	8x14	6x12	35°		3	5.8
L038	L102-T45-14D-35-B14	102	T45	8x14	4x122x10	35°		4	4.2
L039	L102-T45-18D-35-B13	102	T45	9x13	9x11	35°		3	4.3
L040	L102-T51-14D-35-B14	102	T51	8x14	4x122-11	35°		4	4.2
L041	L102-T51-18D-35-B13	102	T51	9x13	9x11	35°		3	4.5
L042	L102-GT60-18D-35-B14	102	GT60/TW60	9x14	9x12	35°		3	6.5
L043	L115-T45-15D-35-B14	115	T45	8x14	4x143x12	35°		4	5.6
L044	L115-T45-19D-35-B14	115	T45	9x14	10x12	35°		3	5.8
L046	L115-T51-16D-35-B14	115	T51	8x14	4x144x12	35°		4	5.6
L046	L127-T45-19D-35-B15	127	T45	9x15	10x13	35°		3	7.1
L047	L165-GT60-21D-35-B16	165	GT60/TW60	9x16	12x16	35°		3	15

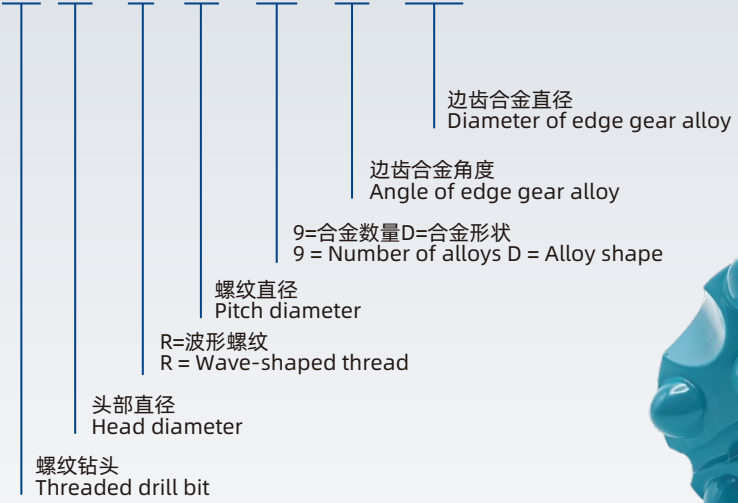
注:除以下常规规格以外, 可根据客户的不同要求生产各种特殊规格产品
Note: Apart from the following standard specifications, various special specifications can be produced according to the different requirements of customers.

常规波形螺纹钻头

CONVENTIONAL PROFILE THREADED DRILL BIT

型号说明 Model Description

L 45 - R 32 - 9D - 35 - B10



产品技术参数 Product technical parameters

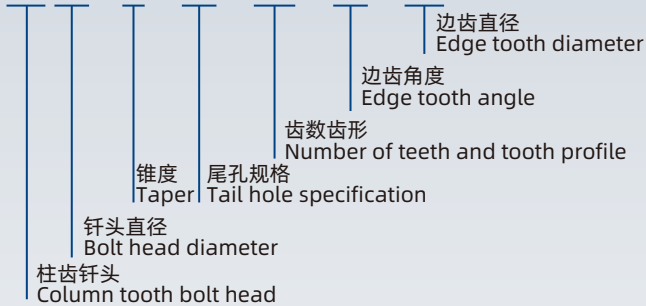
				合金齿数量x直径 Number of alloy teeth x Diameter			水孔数量(pcs) Number of water holes (pcs)		
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	螺纹 Thread	边齿 Gauge	中齿 Front	边齿角度 Pitch angle	侧 Side	正 Sure	重量 Weight
L001	L33-R22-7D-35-B7	33	R22	5x7	2x7	35°	2	1	0.4
L002	L35-R25-7D-35-B8	35	R25	5x8	2x7	35°	2	1	0.4
L003	L38-R25-7D-35-B8	38	R25	5x8	2x7	35°	1	2	0.5
L004	L41-R25-7D-35-B9	41	R25	5x9	2x8	35°	1	2	0.55
L005	L41-R28-7D-35-B9	41	R28	5x9	2x8	35°	1	2	0.55
L006	L41-R32-7D-35-B9	41	R32	5x9	2x9	35°	2	1	0.55
L007	L43-R32-9D-30-B9	43	R32	6x9	3x8	30°	1	2	0.67
L008	L45-R28-9D-35-B10	45	R28	6x10	3x8	35°	3	1	0.8
L009	L45-R32-9D-30-B10	45	R32	6x10	3x8	35°	2	1	0.8
L010	L45-R32-9D-35-B9	45	R32	6x9	3x8	30°	1	3	0.8
L011	L45-R32-9D-35-B10	45	R32	6x10	3x8	35°	1	3	0.8
L012	L48-R32-9D-35-B10	48	R32	6x10	3x9	35°	1	3	0.9
L013	L51-R32-9D-35-B10	51	R32	6x10	3x9	35°	1	3	1.1
L014	L57-R32-9D-35-B11	67	R32	6x11	3x10	35°	-	3	1.3
L015	L64-R32-9D-40-B11	64	R32	6x12	3x11	40°	2	1	1.6
L016	L64-R32-12D-35-B10	64	R32	8x10	4x10	35°	2	2	1.6
L017	L64-R38-9D-35-B12	64	R38	6x12	3x11	35°	2	1	1.6
L018	L76-R32-12D-35-B11	76	R32	6x12	6x12	35°	1	2	2.7
L019	L76-R32-12D-35-B12	76	R32	8x12	4x12	35°	2	2	2.7
L020	L76-R38-12D-35-B12	76	R38	8x12	4x12	35°	2	2	2.3
L021	L89-R32-13D-35-B13	80	R32	8x13	5x12	35°	-	3	2.9
L022	L89-R38-13D-35-B13	80	R38	8x13	5x12	35°	2	2	3.3
L023	L102-R32-15D-35-B12	102	R32	14x12	1x11	35°	2	3	3.5

注:除以下常规规格以外, 可根据客户的不同要求生产各种特殊规格产品
Note: Apart from the following standard specifications, various special specifications can be produced according to the different requirements of customers.

锥体连接柱齿钻头

The taper Button Bit

Q 30 - 7 - 19 - 4N - 38 - D7



产品技术参数 Product technical parameters

			合金 Tip size.(mm)			
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	边齿 Gauge	正面齿 Front	边齿角度 Gauge Angle	内锥度 Angle
Q100	Q30-7-19-4N-38-D7	30	3×7	1×7	38°	7/11/12
Q102	Q30-7-19-5N-38-D6	30	3×6	2×6	38°	7/11/12
Q103	Q30-7-22-7N-38-D6	30	5×6	2×6	38°	7/11/12
Q104	Q32-7-23-4N-38-D7	32	3×7	1×7	38°	7/11/12
Q105	Q32-7-23-5N-38-D6	32	3×6	2×6	38°	7/11/12
Q106	Q32-7-23-6N-38-D6	32	4×6	2×7	38°	7/11/12
Q107	Q32-7-23-6N-38-D7	32	3×7	2×7	38°	7/11/12
Q108	Q32-7-23-7N-38-D7	32	5×7	2×7	38°	7/11/12
Q109	Q34-7-23-4N-38-D7	34	3×7	1×7	38°	7/11/12
Q110	Q34-7-23-5N-38-D8	34	4×8	1×7	38°	7/11/12
Q111	Q34-7-23-6N-38-D7	34	4×7	2×7	38°	7/11/12
Q112	Q34-7-23-7N-38-D8	34	5×8	2×7	38°	7/11/12
Q113	Q34-7-23-7N-38-D7	34	5×7	2×7	38°	7/11/12
Q114	Q36-7-23-4N-38-D8	36	3×8	1×8	38°	7/11/12
Q115	Q36-7-23-5N-38-D8	36	4×8	1×8	38°	7/11/12
Q116	Q36-7-23-6N-38-D7	36	4×7	2×7	38°	7/11/12
Q117	Q36-7-23-7N-38-D7	36	5×7	2X7	38°	7/11/12
Q118	Q36-7-23-8N-38-D7	36	6×7	2×7	38°	7/11/12
Q119	Q38-7-23-4N-38-D9	38	3×9	1×8	38°	7/11/12
0120	Q38-7-23-5N-38-D9	38	3×9	2×8	38°	7/11/12
0121	Q38-7-23-7N-38-D7	38	5×7	2×7	38°	7/11/12
0122	Q38-7-23-6N-38-D8	38	4×8	2×7	38°	7/11/12
Q124	Q38-7-23-7N-38-D8	38	5×8	2×7	38°	7/11/12
0125	Q40-7-23-4N-38-D9	40	3×9	1×9	38°	7/11/12
0126	Q40-7-23-5N-38-D9	40	4×9	1×9	38°	7/11/12
0127	Q40-7-23-6N-38-D8	40	4×8	2×7	38°	7/11/12
Q128	Q40-7-23-7N-38-D7	40	5×7	2×7	38°	7/11/12
Q129	Q40-7-23-7N-38-D8	40	5×8	2×7	38°	7/11/12
0130	Q42-7-23-4N-38-D9	42	3×9	1×9	38°	7/11/12
0131	Q42-7-23-6N-38-D8	42	4×8	2×8	38°	7/11/12
0132	Q42-7-23-5N-38-D9	42	4×9	1×9	38°	7/11/12
0133	Q42-7-23-7N-38-D8	42	5×8	2×8	38°	7/11/12
0134	Q42-7-23-8N-38-D8	42	6×8	2×8	38°	7/11/12
0135	Q50-7-23-5N-38-D9	50	3×9	2×9	38°	7/11/12
0136	Q50-7-23-7N-38-D9	50	4×9	3×9	38°	7/11/12
0137	Q60-7-23-5N-38-D9	60	4×9	1×9	38°	7/11/12
0138	Q24-7-17-4N-38-D6	24	3×6	1×6	38°	7/11/12
0139	Q24-7-17-5N-38-D6	24	3×6	2×5	38°	7/11/12
0140	Q60-7-23-7N-38-D9	60	4×9	3×9	38°	7/11/12
Q141	Q70-7-23-10N-38-D9	70	6×9	4×9	38°	7/11/12
0142	Q80-7-23-11N-38-D6	80	8×6	3×5	38°	7/11/12
0143	Q90-7-23-12N-38-D6	90	6×6	6×6	38°	7/11/12

注:除以下常规规格以外, 可根据客户的不同要求生产各种特殊规格产品
Note: Apart from the following standard specifications, various special specifications can be produced according to the different requirements of customers.

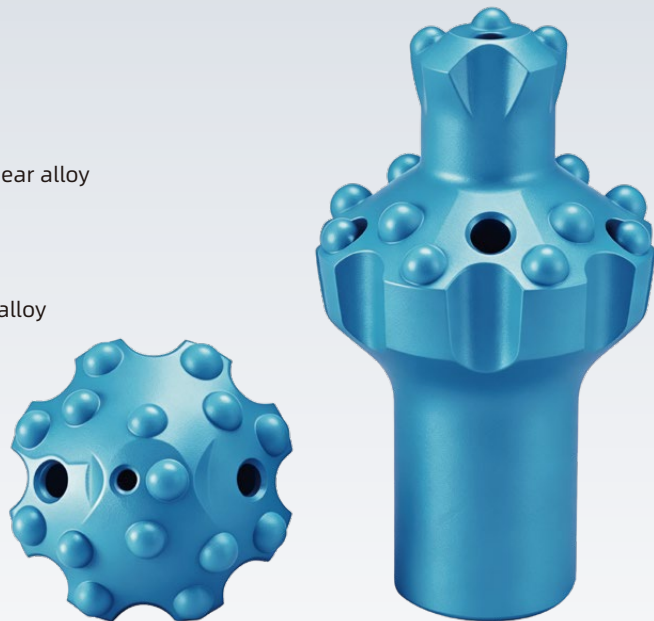
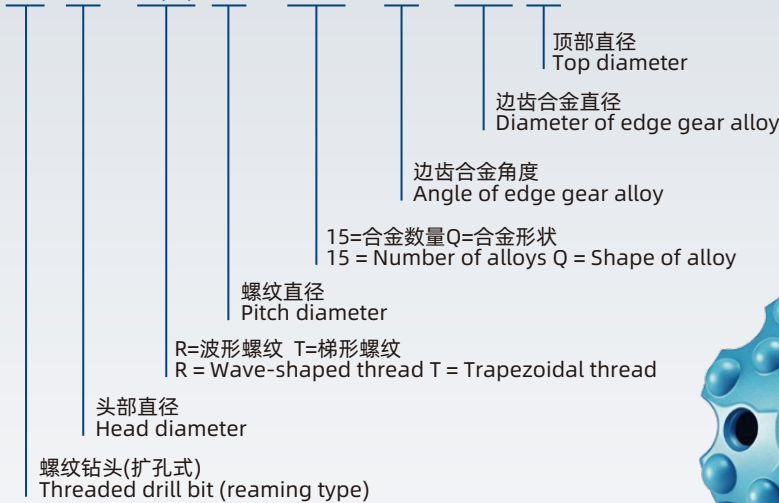
扩孔钻头

REAMING BIT

型号说明

Model Description

LK 89 - R(T) 32 - 15Q - 35 - B12 40



产品技术参数 Product technical parameters

				合金齿数量x直径 Number of alloy teeth x Diameter			水孔数量(pcs) Number of water holes (pcs)		
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	螺线 Thread	边齿 Gauge	中齿 Front	边齿角度 Pitch angle	侧 Side	正 Sure	重量 Weight
LK001	LK76-R28-12Q-35-B12	76	R28	9x12	2x101x9	35°	3	1	1.8
LK002	LK76-R28-12Q-35-B12-40	76	R28	9x12	3x10	35°	3	1	2.0
LK003	LK76-R32-12Q-35-B12	76	R32	9x12	3x10	35°	3	1	1.8
LK004	LK76-R32-12Q-35-B12-40	76	R32	9x12	3x10	35°	3	1	2.0
LK005	LK89-R32-15Q-35-B12	89	R32	12x12	3x10	35°	2	1	2.5
LK006	LK89-R32-15Q-35-B12-40	89	R32	12x12	3x10	35°	2	1	2.7
LK007	LK102-R32-15Q-35-B13	102	R32	12x13	2x131x11	35°	2	1	3.5
LK008	LK102-R32-18Q-35-B12-40	102	R32	14x12	4x8	35°	2	1	3.8
LK009	LK127-T38-17Q-35-B14	127	T38	14x14	2x121x11	35°	2	1	4.8
LK010	LK127-T38-17Q-35-B14-48	127	T38	14x14	3x10	35°	2	1	5.3

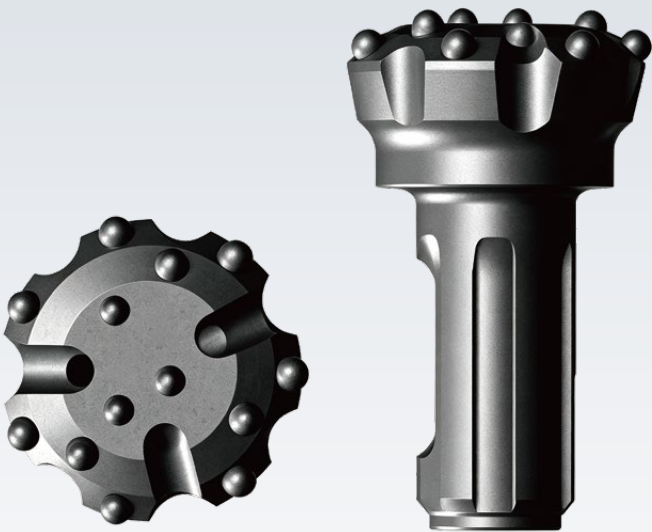
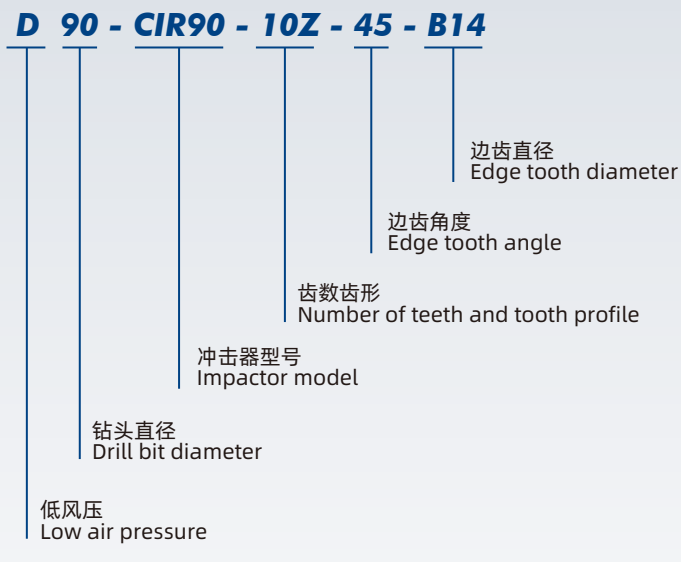
注:除以下常规规格以外, 可根据客户的不同要求生产各种特殊规格产品
Note: Apart from the following standard specifications, various special specifications can be produced according to the different requirements of customers.

潜孔钻头

DTH DRILL BIT

型号说明

Model Description



产品技术参数

Product technical parameters

产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	中齿 Front	边齿 Gauge	适配冲击器 Connection	齿型 Teeth model
A001	D76-CIR76-9Z-45-B12	76	3x12	6x12	CIR76	Z
A002	D80-CIR76-9Z-45-B12	80	3x12	6x12	CIR76	Z
A003	D90-CIR90-10Z-45-B14	90	2x13/2x14	6x14	CIR90	Z
A005	D100-CIR90-11Z-45-B14	100	3x12/2x14	6x14	CIR90	Z
A006	D110-CIR90-13Z-45-B14	110	4x12/3x14	6x14	CIR90	Z
A007	D120-CIR90-14Z-45-B14	120	5x12/3x14	6x14	CIR90	Z
A009	D130-CIR90-15Z-45-B14	130	5x12/4x14	7x14	CIR90	Z
A010	D120-CIR110-14Z-45-B14	120	5x12/3x14	6x14	CIR110	Z
A011	D130-CIR110-15Z-45-B14	130	5x12/3x14	7x14	CIR110	Z
A012	D140-CIR110-15Z-45-B14	140	5x12/3x14	7x14	CIR110	Z
A013	D150-CIR110-19Z-45-B14	150	4x12/6x14	9x14	CIR110	Z
A014	D160-CIR110-19Z-45-B16	160	4x14/6x14	9x16	CIR110	Z
A015	D150-CIR150-19Z-45-B16	150	4x14/6x14	9x16	CIR150	Z
A016	D165-CIR150-20Z-45-B16	165	5x14/6x14	9x16	CIR150	Z
A017	D175-CIR150-20Z-45-B16	175	6x14/5x14	9x16	CIR150	Z
A018	D185-CIR150-22Z-45-B16	185	7x14/6x14	9x16	CIR150	Z

注:除以下常规规格以外, 可根据客户的不同要求生产各种特殊规格产品
Note: Apart from the following standard specifications, various special specifications can be produced according to the different requirements of customers.

其他配件

OTHER ACCESSORIES



产品技术参数

Product technical parameters

产品规格 Product Specifications	最大直径 (mm) Maximum diameter (mm)	内孔直径 (mm) Inner hole diameter (mm)	高度 (mm) Height (mm)	适应工况 Applicable working conditions
圆座 Round seat	68	30	95	高强度合金钢 High-strength alloy steel
圆座 Round seat	78	30	95	高强度合金钢 High-strength alloy steel
方形齿座 Square toothed seat	/	30	/	高强度合金钢 High-strength alloy steel

锚杆推进器

Anchor propeller



内六角

Hexagon socket head



规格&齿轮选取——助力矿山凿岩领域

Specifications & Gear Selection - Enhancing Performance in the Mining Drilling Field

如何选择款式 How to choose the style



普通型钻头 Regular drill bit

适用于普通岩石，硬度8-14.磨蚀性岩石。主要外观表现为平面型，齿径适中、合金耐冲击和耐磨性平衡，多选择高球齿和半弹道齿，普遍适应多种岩石，对一般岩石和不明岩石类型的情况下建议采用。

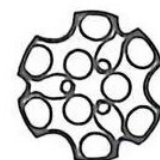
Suitable for common rocks with hardness ranging from 8 to 14. Abrasive rocks. The main appearance is planar, with moderate tooth diameter, balanced alloy impact resistance and wear resistance. High ball teeth and semi-biased teeth are mostly selected. It is generally applicable to various rocks and is recommended for use in cases involving common rocks and unclear rock types.



软岩钻头 Soft rock drill bit

主要适用于非破碎，硬度8以下、非磨蚀性岩石。主要外观表现为凹面型，齿径较小、合金耐冲击和耐磨性较好，多选择半弹道齿、弹道齿，排粉效果比普通型好，以利于提高工作效率。

It is mainly applicable to non-crushed, hardness below 8, non-abrasive rocks. Its main appearance is in the form of concave surfaces, with smaller tooth diameters, and the alloy has good impact resistance and wear resistance. Semi-bullet-shaped teeth and bullet-shaped teeth are mostly selected, and the powder discharge effect is better than that of the ordinary type, which is conducive to improving work efficiency.



硬岩钻头 Hard rock drill bit

主要应用于F14以上、非磨蚀性岩石。主要表现为齿形较大，齿形多选择球齿和高球齿，合金耐磨性和耐冲击性较好，排粉效果略低于普通钻头。因合金用量较多，所以价格比普通型要高。

It is mainly applied to rocks above F14 and non-abrasive ones. Its main feature is that the teeth are relatively large in shape. The tooth types mostly choose ball teeth and high-ball teeth. The alloy has good wear resistance and impact resistance, and the powder discharge effect is slightly lower than that of ordinary drills. Due to the large amount of alloy used, the price is higher than that of the ordinary type.

如何选择齿型 How to choose the tooth type



D=抛物线齿

D=Parabolic teeth

抛物线齿通常用作潜孔钻头边齿和中齿，适用于腐蚀性中等，比较硬的岩石。

Parabolic teeth are usually used as the edge teeth and middle teeth of the bottom hole drill bit, and are suitable for rocks with moderate corrosiveness and relatively hard texture.



Z=锥形齿(弹道齿)

Z=Conical teeth (ballistic teeth)

露齿高度高，主要应用于软岩和破碎的岩石，进尺速度快。

The tooth height is high, mainly used for soft rocks and crushed rocks, and it has a fast advancement speed.



Q=球齿

Q=Ball teeth

露齿高度低的球齿主要应用于极硬的岩石，以提高耐磨度，防止出现碎齿情况，应降低钻齿速度。

The ball teeth with a low tooth height are mainly used for extremely hard rocks to enhance wear resistance and prevent tooth breakage. Therefore, the drilling speed of the teeth should be reduced.

专业凿岩工具制造商

Professional rock drilling tool manufacturer



