



**INDUSTRIAL AND
ENGINEERING TECHNOLOGY**
Co., Limited
HONG KONG

DRILLING TOOLS PRODUCT CATALOG

Reliable Tools. Superior Performance.
Built for Demanding Conditions.



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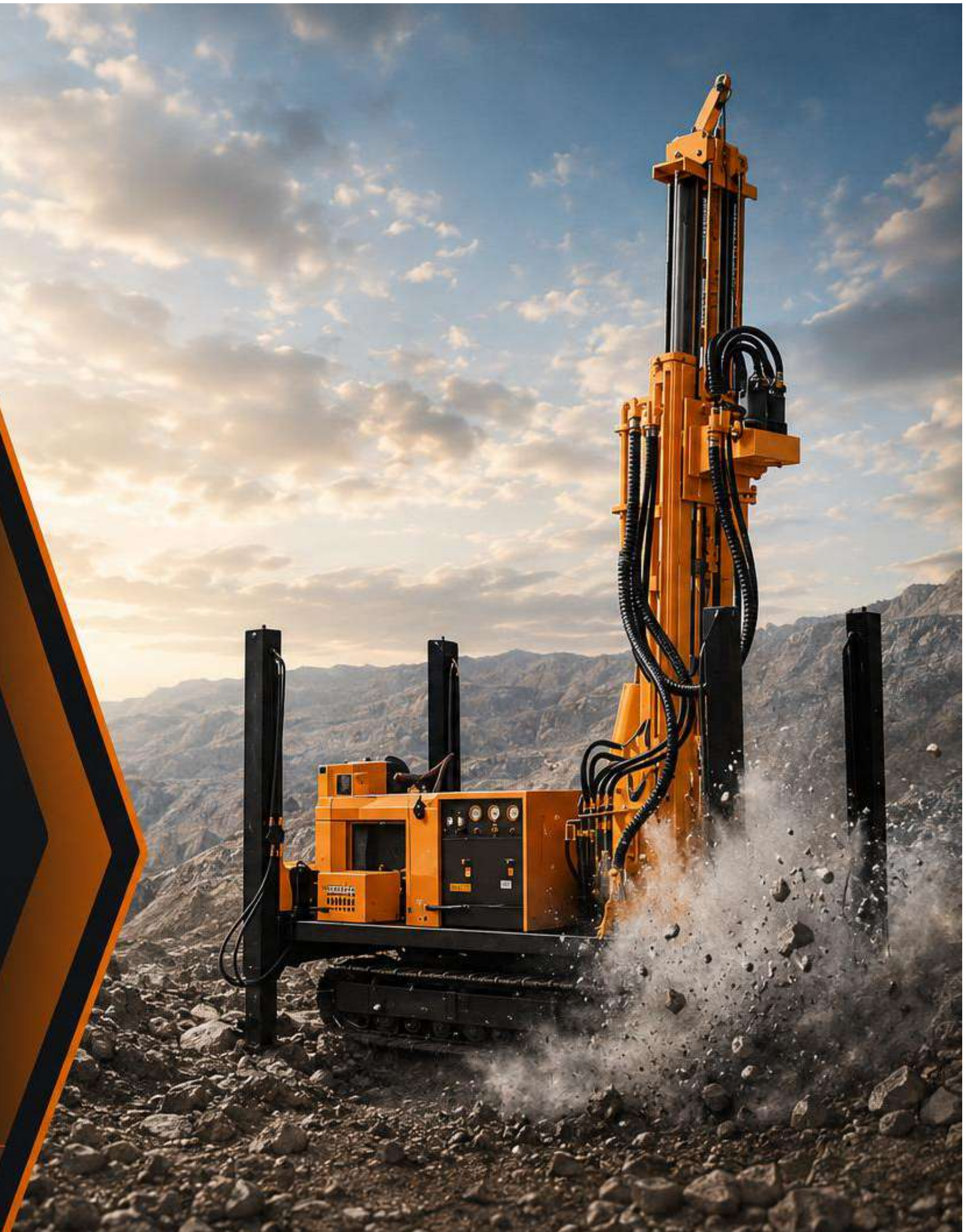


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ENGINEERING TECHNOLOGY
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Find the right tools.
Built for performance.

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About Us

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DTH Hammer



About Us

Industrial and Engineering Technology Co., Limited is a Hong Kong-based company specializing in drilling tools, mining equipment, casing systems, and industrial products for mining, construction, and infrastructure industries. We cooperate with manufacturing partners in China to provide reliable industrial products, OEM services, and stable quality control for customers worldwide.

-  Drilling Tools & DTH Systems
-  Casing Systems & Industrial Components
-  OEM Manufacturing Services
-  Export & International Supply
-  Quality Control & Inspection Support

Industrial and Engineering Technology Co., Limited is focused on reliable products, professional service, and long-term cooperation with global customers.





PRODUCT APPLICATION

Our products are widely used in various drilling and excavation applications across multiple industries.

01

WATER WELL DRILLING

Efficient drilling solutions for water well exploration and development.



04

CONSTRUCTION ENGINEERING

Advanced equipment for foundation, piling and infrastructure projects.



02

OPEN-PIT MINING

High-performance drilling tools for blast hole drilling in open-pit mines.



05

TUNNEL EXCAVATION

Reliable drilling tools for tunnel boring, rock support and excavation works.



03

UNDERGROUND MINING

Durable tools for underground drilling, production and development.



06

EARTHWORK PROJECTS

Effective drilling solutions for anchoring, rock breaking and earthwork applications.





COMPETITIVE ADVANTAGES

We are committed to delivering high-quality drilling tools and reliable solutions that help our customers improve efficiency, reduce costs, and achieve long-term success in demanding mining and construction environments.



STRONG SUPPLY CHAIN

With manufacturing partners and OEM production support in China, we provide stable quality, competitive pricing, and reliable supply for customers worldwide.



CUSTOMIZATION SERVICES

Based on customer requirements and project needs, we provide customized industrial products and OEM solutions.



PRODUCT IMPROVEMENT SOLUTIONS

Our technical team continuously improves product performance according to market demand and customer feedback.



COMPETITIVE PRICING

Direct cooperation with manufacturing partners allows us to provide competitive prices and flexible supply conditions.



TECHNICAL SUPPORT

Professional technical support and quality inspection help ensure reliable product performance.



GLOBAL EXPORT SUPPLY

Supply experience for customers in Germany, Italy, Bulgaria, Canada, USA, and Eastern Europe.





**INDUSTRIAL AND
ENGINEERING TECHNOLOGY CO., LIMITED**
Reliable Tools. Superior Performance. Built for Demanding Conditions.

RELIABLE TOOLS FOR HARD ROCK CONDITIONS

Our DTH hammers are engineered for stable performance, high wear resistance, and long service life in the most demanding drilling environments.



STABLE PERFORMANCE

Engineered for consistent and reliable operation.



HIGH WEAR RESISTANCE

Premium materials and heat treatment for extended life.



LONG SERVICE LIFE

Designed for durability and maximum productivity.



SUITABLE FOR MULTIPLE APPLICATIONS

Ideal for mining, quarrying and construction projects.



01

DTH Hammer



DTH hammers are designed for reliable drilling in hard rock conditions.

- » Stable performance
- » High wear resistance
- » Long service life
- » Suitable for mining and construction projects

Quick Performance



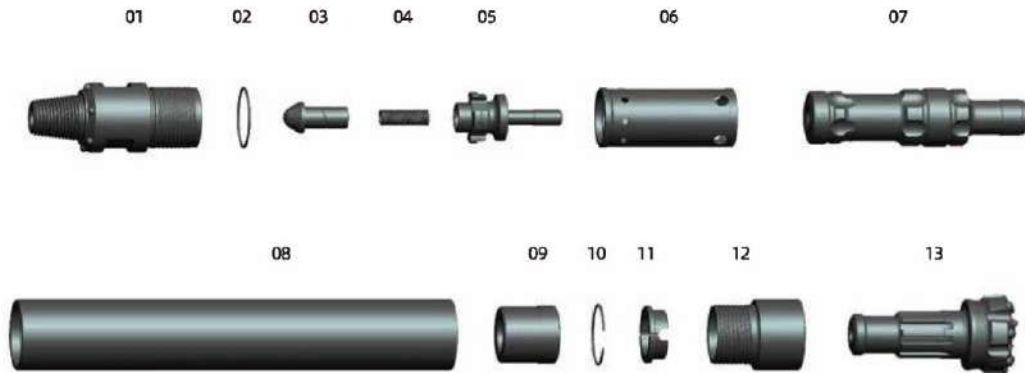
Our high-pressure DTH hammer without foot valve is designed for stable performance and efficient drilling in hard rock conditions.

- Advantages:
- Lower air consumption
 - Higher drilling efficiency
 - Simple structure and easy maintenance
 - Long service life
 - Stable performance in hard rock drilling

Widely used in mining, quarry, water well, foundation, and construction drilling projects.



QP480



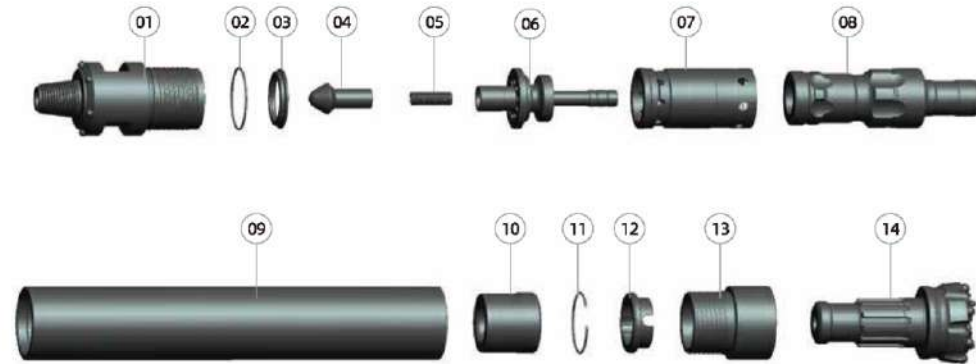
01-SP480-01

Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	7.4 Kg	01-QP480-01	09	衬套 Guided Sleeve	1.5 Kg	01-QP480-09
02	O形圈 "O"Ring	0.01 Kg	01-QP480-02	10	挡圈 Check Ring	0.02 Kg	01-QP480-10
03	逆止阀 Check Valve	0.3 Kg	01-QP480-03	11	卡环 Retainer Ring	0.34 Kg	01-QP480-11
04	弹簧 Spring	0.04 Kg	01-QP480-04	12	卡钎套 Drive Chuck	3.1 Kg	01-QP480-12
05	配气座 Valve Seat	1 Kg	01-QP480-05	13	钻头 Drill Bit		01-QP480-13
06	内缸 Inner Cylinder	1.5 Kg	01-QP480-06				
07	活塞 Piston	8 Kg	01-QP480-07				
08	外缸 Piston Case	11.6 Kg	01-QP480-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
863mm	35Kg	φ 100mm	API2 3/8"REG	SP480	φ 108- φ 135mm
工作风压 Working Pressure	推荐转速 Recommended Rotation Speed	耗风量 / Air Consumption			
1.0-1.9 Mpa	30-60 r/min	1.0Mpa	5.5m³/min	1.8Mpa	9m³/min

QP580

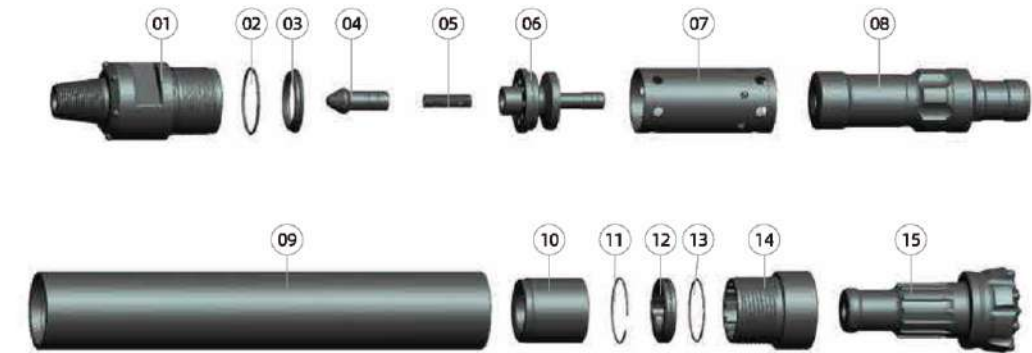


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	14.2 Kg	01-QP580-01	09	外缸 Piston Case	22.7 Kg	01-QP580-09
02	O形圈 "O"Ring	0.01 Kg	01-QP580-02	10	衬套 Guided Sleeve	3.1 Kg	01-QP580-10
03	碟簧 Disc Spring	0.2 Kg	01-QP580-03	11	挡圈 Check Rin	0.02 Kg	01-QP580-11
04	逆止阀 Check Valve	0.4 Kg	01-QP580-04	12	卡环 Retainer Ring	0.7 Kg	01-QP580-12
05	弹簧 Spring	0.02 Kg	01-QP580-05	13	卡钎套 Drive Chuck	5.7 Kg	01-QP580-13
06	配气座 Valve Seat	2.5 Kg	01-QP580-06	14	钻头 Drill Bit		01-QP580-14
07	内缸 Inner Cylinder	2.3 Kg	01-QP580-07				
08	活塞 Piston	12 Kg	01-QP580-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
970mm	64Kg	φ 126mm	API2 3/8"REG	SP580	φ 136- φ 155mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量 / Air Consumption			
		1.0Mpa	1.8Mpa		
1.2-2.2 Mpa	30-60 r/min	7.5m ³ /min	12m ³ /min		

QP680

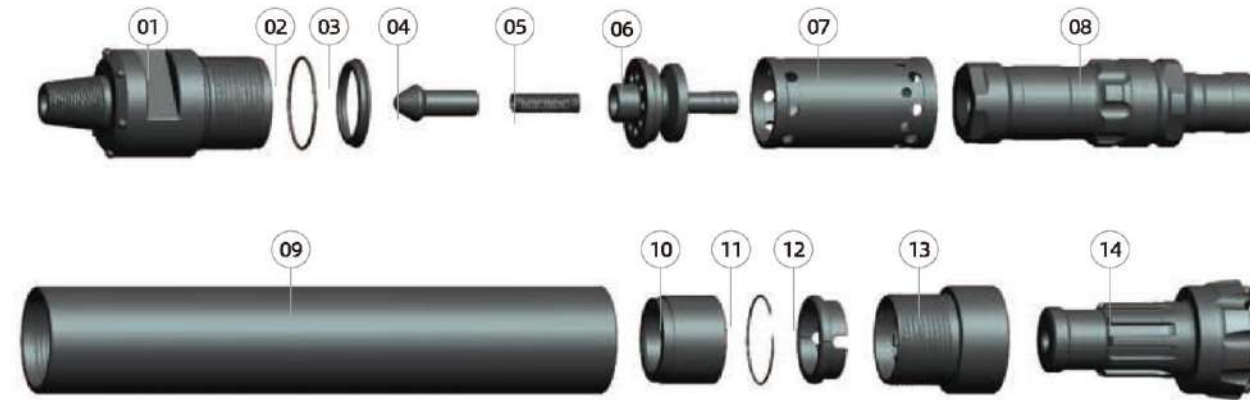


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	21.5 Kg	01-QP680-01	09	外缸 Piston Case	33 Kg	01-QP680-09
02	O形圈 "O"Ring	0.01 Kg	01-QP680-02	10	衬套 Guided Sleeve	5.5 Kg	01-QP680-10
03	碟簧 Disc Spring	0.34 Kg	01-QP680-03	11	挡圈 Check Ring	0.02 Kg	01-QP680-11
04	逆止阀 Check Valve	0.56 Kg	01-QP680-04	12	卡环 Retainer Ring	1 Kg	01-QP680-12
05	弹簧 Spring	0.05 Kg	01-QP680-05	13	O形圈 "O"Ring	0.01 Kg	01-QP680-13
06	配气座 Valve Seat	4.3 Kg	01-QP680-06	14	卡钎套 Drive Chuck	7 Kg	01-QP680-14
07	内缸 Inner Cylinder	4.2 Kg	01-QP680-07	15	钻头 Drill Bit		01-QP680-15
08	活塞 Piston	23 Kg	01-QP680-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1131mm	100.5Kg	φ 148mm	API3 1/2"REG	SP680	φ 158- φ 203mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量 / Air Consumption			
		1.8Mpa	2.4Mpa		
1.2-2.7 Mpa	30-60 r/min	16m ³ /min	23m ³ /min		

QP780

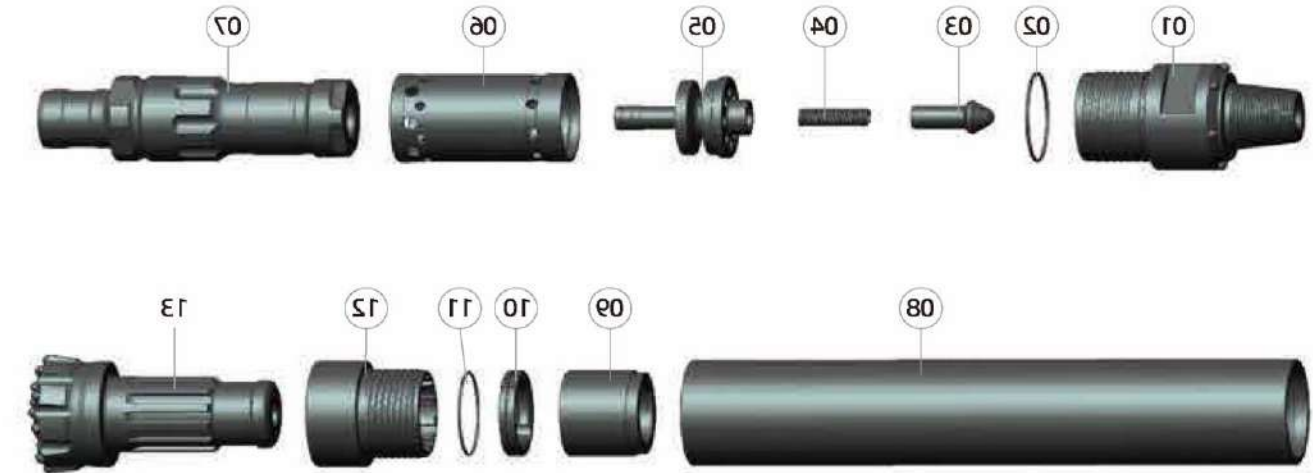


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	38.5 Kg	01-QP780-01	09	衬套 Guided Sleeve	6.8 Kg	01-QP780-09
02	O形圈 "O"Ring	0.02 Kg	01-QP780-02	10	卡环 Retainer Ring	1.3 Kg	01-QP780-10
03	逆止阀 Check Valve	0.65 Kg	01-QP780-03	11	O形圈 "O"Ring	0.01 Kg	01-QP780-11
04	弹簧 Spring	0.1 Kg	01-QP780-04	12	卡钎套 Drive Chuck	12.6 Kg	01-QP780-12
05	配气座 Valve Seat	6.2 Kg	01-QP780-05	13	钻头 Drill Bit		01-QP780-13
06	内缸 Inner Cylinder	7.4 Kg	01-QP780-06				
07	活塞 Piston	44.5 Kg	01-QP780-07				
08	外缸 Piston Case	63 Kg	01-QP780-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	API 1/2" REG	SP882	Φ 198- Φ 254mm
1264mm	181Kg	Φ 185mm			
适用气压 Work Pressure		推荐转速 Recommended Rotation Speed			
1.5-3.3 Mpa		30-60 r/min		25m³/min	34m³/min

QP882

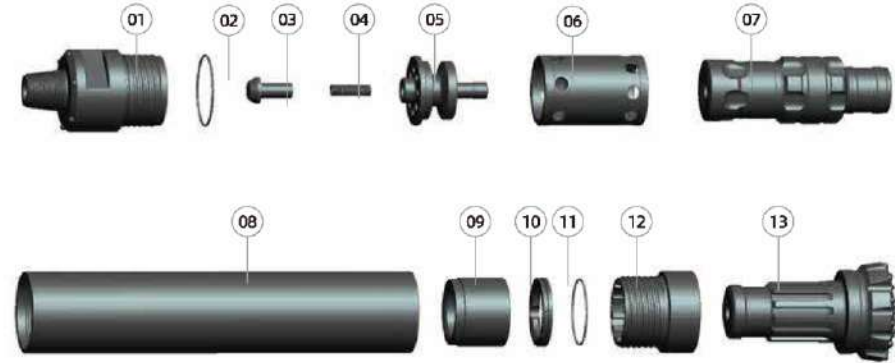


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	31.2 Kg	01-QP882-01	09	外缸 Piston Case	44.5 Kg	01-QP882-09
02	O形圈 "O"Ring	0.01 Kg	01-QP882-02	10	衬套 Guided Sleeve	5 Kg	01-QP882-10
03	碟簧 Disc Spring	0.5 Kg	01-QP882-03	11	挡圈 Check Rin	0.03 Kg	01-QP882-11
04	逆止阀 Check Valve	0.65 Kg	01-QP882-04	12	卡环 Retainer Ring	1.5 Kg	01-QP882-12
05	弹簧 Spring	0.09 Kg	01-QP882-05	13	卡钎套 Drive Chuck	10.5 Kg	01-QP882-13
06	配气座 Valve Seat	5.5 Kg	01-QP882-06	14	钻头 Drill Bit		01-QP882-14
07	内缸 Inner Cylinder	5.5 Kg	01-QP882-07				
08	活塞 Piston	34.5 Kg	01-QP882-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1195mm	140Kg	Φ 165mm	API 3/4" REG	SP780	Φ 178- Φ 216mm
适用气压 Work Pressure		推荐转速 Recommended Rotation Speed		耗风量/Air Consumption	
1.5-2.8 Mpa		30-60 r/min		1.8Mpa	2.4Mpa
				21m³/min	28m³/min

QP1080

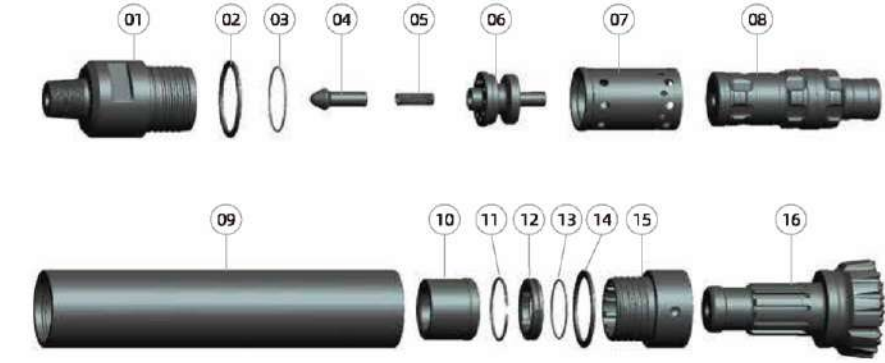


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	62 Kg	01-QP1080-01	09	衬套 Guided Sleeve	12.5 Kg	01-QP1080-11
02	O形圈 "O"Ring	0.02 Kg	01-QP1080-02	10	卡环 Retainer Ring	2 Kg	01-QP1080-12
03	逆止阀 Check Valve	1.5 Kg	01-QP1080-03	11	O形圈 "O"Ring	0.02 Kg	01-QP1080-13
04	弹簧 Spring	0.25 Kg	01-QP1080-04	12	卡钎套 Drive Chuck	19.8 Kg	01-QP1080-14
05	配气座 Valve Seat	13.5 Kg	01-QP1080-05	13	钻头 Drill Bit		01-QP1080-15
06	内缸 Inner Cylinder	13 Kg	01-QP1080-06				
07	活塞 Piston	71.5 Kg	01-QP1080-07				
08	外缸 Piston Case	92 Kg	01-QP1080-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1410mm	289Kg	φ 225mm	API5 1/2"REG	SP1080	φ 254- φ 311mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	25 ~ 50 r/min	36m ³ /min	58m ³ /min		

QP1280

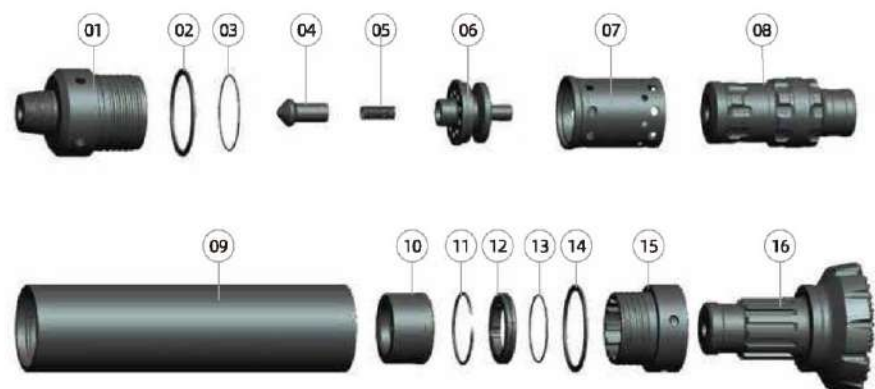


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	126 Kg	01-QP1280-01	09	外缸 Piston Case	185.4 Kg	01-QP1280-09
02	垫片 Adjuster Shim	1.2 Kg	01-QP1280-02	10	衬套 Guided Sleeve	19 Kg	01-QP1280-10
03	O形圈 "O"Ring	0.03 Kg	01-QP1280-03	11	挡圈 Check Ring	0.25 Kg	01-QP1280-11
04	逆止阀 Check Valve	1.5 Kg	01-QP1280-04	12	卡环 Retainer Ring	4.5 Kg	01-QP1280-12
05	弹簧 Spring	0.2 Kg	01-QP1280-05	13	O形圈 "O"Ring	0.03 Kg	01-QP1280-13
06	配气座 Valve Seat	18.5 Kg	01-QP480-06	14	垫片 Adjuster Shim	1.2 Kg	01-QP1280-14
07	内缸 Inner Cylinder	22 Kg	01-QP480-07	15	卡钎套 Drive Chuck	42.5 Kg	01-QP1280-15
08	活塞 Piston	107 Kg	01-QP480-08	16	钻头 Drill Bit		01-QP1280-16

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1630mm	530Kg	φ 275mm	API6 5/8"REG	SP1280	φ 295- φ 400mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	30 ~ 55 r/min	45m ³ /min	68m ³ /min		

QP1480

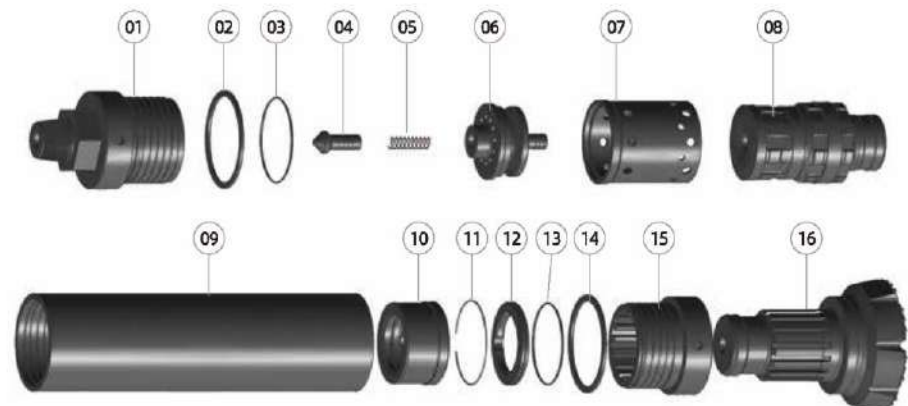


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	160 Kg	01-QP1480-01	09	外缸 Piston Case	292 Kg	01-QP1480-09
02	垫片 Adjuster Shim	1.5 Kg	01-QP1480-02	10	衬套 Guided Sleeve	31.5 Kg	01-QP1480-10
03	O形圈 "O"Ring	0.05 Kg	01-QP1480-03	11	挡圈 Check Ring	0.5 Kg	01-QP1480-11
04	逆止阀 Check Valve	3.4 Kg	01-QP1480-04	12	卡环 Retainer Ring	7.6 Kg	01-QP1480-12
05	弹簧 Spring	0.4 Kg	01-QP1480-05	13	O形圈 "O"Ring	0.03 Kg	01-QP1480-13
06	配气座 Valve Seat	31.5 Kg	01-QP1480-06	14	垫片 Adjuster Shim	1.5 Kg	01-QP1480-14
07	内缸 Inner Cylinder	28.7 Kg	01-QP1480-07	15	卡钎套 Drive Chuck	64 Kg	01-QP1480-15
08	活塞 Piston	173 Kg	01-QP1480-08	16	钻头 Drill Bit		01-QP1480-16

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1744mm	796Kg	φ 332mm	API7 5/8"REG	SP1480	φ 350- φ 550mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	30 ~ 55 r/min	53m³/min	76m³/min		

QP1880



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	361.5Kg	01-QP1880-01	09	外缸 Piston Case	493 Kg	01-QP1880-09
02	垫片 Adjuster Shim	4 Kg	01-QP1880-02	10	衬套 Guided Sleeve	69 Kg	01-QP1880-10
03	O形圈 "O"Ring	0.1 Kg	01-QP1880-03	11	挡圈 Check Ring	1 Kg	01-QP1880-11
04	逆止阀 Check Valve	3.4 Kg	01-QP1880-04	12	卡环 Retainer Ring	14.8 Kg	01-QP1880-12
05	弹簧 Spring	0.4 Kg	01-QP1880-05	13	O形圈 "O"Ring	0.08 Kg	01-QP1880-13
06	配气座 Valve Seat	76 Kg	01-QP1880-06	14	垫片 Adjuster Shim	4 Kg	01-QP1880-14
07	内缸 Inner Cylinder	54.5 Kg	01-QP1880-07	15	卡钎套 Drive Chuck	134 Kg	01-QP1880-15
08	活塞 Piston	366 Kg	01-QP1880-08	16	钻头 Drill Bit		01-QP1880-16

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1957mm	1582Kg	φ 445mm	API8 5/8"REG	SP1880	φ 500- φ 680mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	20-40 r/min	73m³/min	97m³/min		

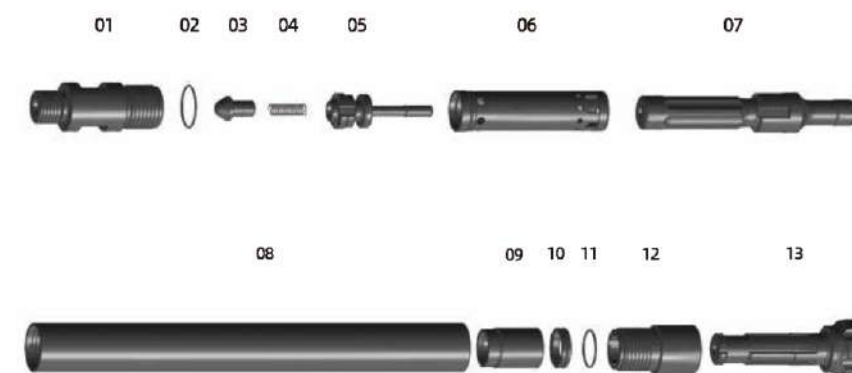
QD/QL Valveless Series DTH Hammer

High performance valveless DTH hammer for reliable drilling in hard rock conditions.

-  Stable performance
-  High wear resistance
-  Long service life
-  Low air consumption
-  Suitable for mining and construction drilling applications



QD25A

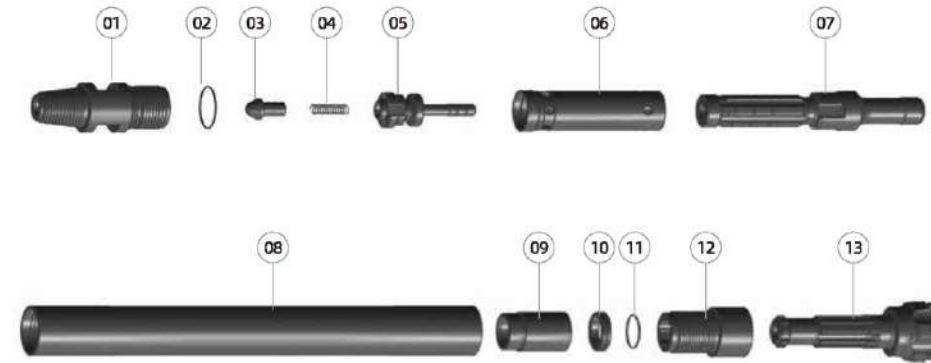


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	3.5 Kg	01-QD25A-01	09	衬套 Guided Sleeve	0.7 Kg	01-QD25A-09
02	O形圈 "O"Ring	0.01 Kg	01-QD25A-02	10	卡环 Retainer Ring	0.1 Kg	01-QD25A-10
03	逆止阀 Check Valve	0.13 Kg	01-QD25A-03	11	O形圈 "O"Ring	0.01 Kg	01-QD25A-11
04	弹簧 Spring	0.02 Kg	01-QD25A-04	12	卡钎套 Drive Chuck	1.5 Kg	01-QD25A-12
05	配气座 Valve Seat	0.56 Kg	01-QD25A-05	13	钻头 Drill Bit		01-QD25A-13
06	内缸 Inner Cylinder	1.1 Kg	01-QD25A-06				
07	活塞 Piston	3.8 Kg	01-QD25A-07				
08	外缸 Piston Case	4.5 Kg	01-QD25A-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
872mm	16Kg	φ 71mm	T48X10X1.5	ND25A	φ 76- φ 90mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.0Mpa	1.5Mpa	3m³/min	4.5m³/min
1.0-1.7 Mpa	30-50 r/min				

QD35A

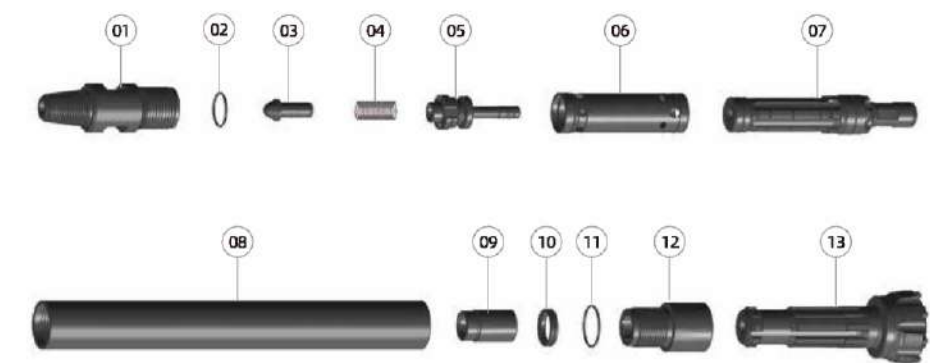


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	4.5 Kg	01-QD35A-01	09	衬套 Guided Sleeve	0.9 Kg	01-QD35A-09
02	O形圈 "O"Ring	0.01 Kg	01-QD35A-02	10	卡环 Retainer Ring	0.15 Kg	01-QD35A-10
03	逆止阀 Check Valve	0.13 Kg	01-QD35A-03	11	O形圈 "O"Ring	0.01 Kg	01-QD35A-11
04	弹簧 Spring	0.02 Kg	01-QD35A-04	12	卡钎套 Drive Chuck	1.9 Kg	01-QD35A-12
05	配气座 Valve Seat	0.76 Kg	01-QD35A-05	13	钻头 Drill Bit		01-QD35A-13
06	内缸 Inner Cylinder	1.45 Kg	01-QD35A-06				
07	活塞 Piston	4.8 Kg	01-QD35A-07				
08	外缸 Piston Case	9.5 Kg	01-QD35A-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
886mm	24.2Kg	φ 82mm	API2 3/8"REG	ND35A	φ 90- φ 115mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.0Mpa	1.5Mpa		
1.0-1.7 Mpa	30-50 r/min	4m ³ /min	6.5m ³ /min		

QD45A

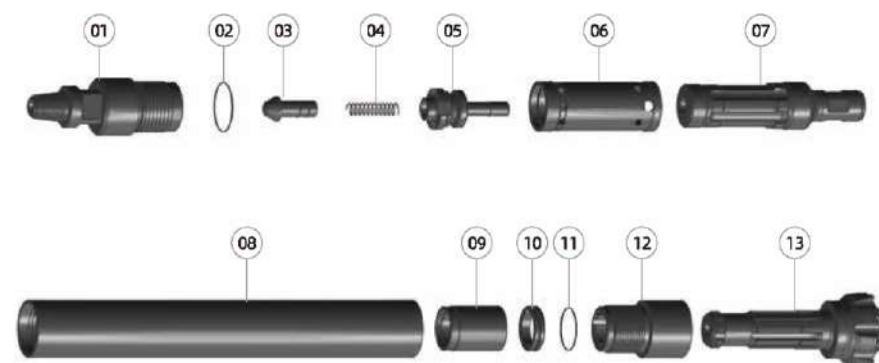


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	8.1 Kg	01-QD45A-01	09	衬套 Guided Sleeve	1 Kg	01-QD45A-09
02	O形圈 "O"Ring	0.01 Kg	01-QD45A-02	10	卡环 Retainer Ring	0.2 Kg	01-QD45A-10
03	逆止阀 Check Valve	0.3 Kg	01-QD45A-03	11	O形圈 "O"Ring	0.01 Kg	01-QD45A-11
04	弹簧 Spring	0.04 Kg	01-QD45A-04	12	卡钎套 Drive Chuck	3.6 Kg	01-QD45A-12
05	配气座 Valve Seat	1.5 Kg	01-QD45A-05	13	钻头 Drill Bit		01-QD45A-13
06	内缸 Inner Cylinder	2.1 Kg	01-QD45A-06				
07	活塞 Piston	8.4 Kg	01-QD45A-07				
08	外缸 Piston Case	15 Kg	01-QD45A-08				

技术参数 / Technical Parameters

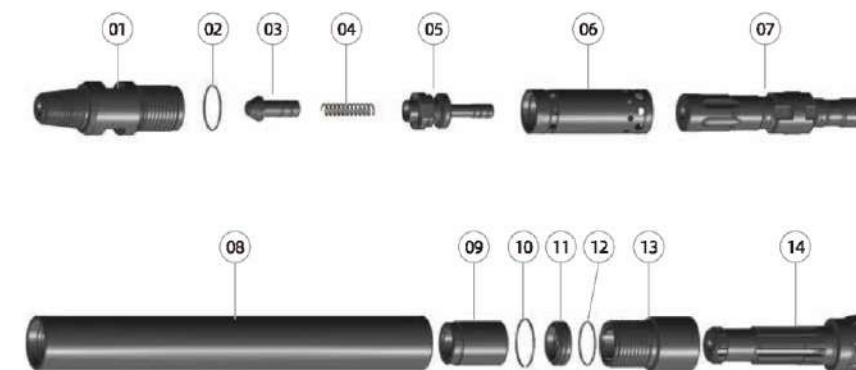
总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
986mm	40.5Kg	φ 99mm	API2 3/8"REG	ND45A	φ 110- φ 135mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.2 Mpa	30-60 r/min	5m ³ /min	9m ³ /min		

QD55A



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	14 Kg	01-QD55A-01	09	衬套 Guided Sleeve	2.64 Kg	01-QD55A-09
02	O形圈 "O"Ring	0.01 Kg	01-QD55A-02	10	卡环 Retainer Ring	0.5 Kg	01-QD55A-10
03	逆止阀 Check Valve	0.6 Kg	01-QD55A-03	11	O形圈 "O"Ring	0.01 Kg	01-QD55A-11
04	弹簧 Spring	0.06 Kg	01-QD55A-04	12	卡钎套 Drive Chuck	7 Kg	01-QD55A-12
05	配气座 Valve Seat	2.15 Kg	01-QD55A-05	13	钻头 Drill Bit		01-QD55A-13
06	内缸 Inner Cylinder	3.3 Kg	01-QD55A-06				
07	活塞 Piston	15.5 Kg	01-QD55A-07				
08	外缸 Piston Case	24.2 Kg	01-QD55A-08				

QD55S



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	13.5 Kg	01-QD55S-01	09	衬套 Guided Sleeve	2.3 Kg	01-QD55S-09
02	O形圈 "O"Ring	0.01 Kg	01-QD55S-02	10	挡圈 Check Ring	0.02 Kg	01-QD55S-10
03	逆止阀 Check Valve	0.6 Kg	01-QD55S-03	11	卡环 Retainer Ring	0.5 Kg	01-QD55S-11
04	弹簧 Spring	0.06 Kg	01-QD55S-04	12	O形圈 "O"Ring	0.01 Kg	01-QD55S-12
05	配气座 Valve Seat	1.85 Kg	01-QD55S-05	13	卡钎套 Drive Chuck	5.8 Kg	01-QD55S-13
06	内缸 Inner Cylinder	3.1 Kg	01-QD55S-06	14	钻头 Drill Bit		01-QD55S-14
07	活塞 Piston	11.8 Kg	01-QD55S-07				
08	外缸 Piston Case	22.5 Kg	01-QD55S-08				

技术参数 / Technical Parameters

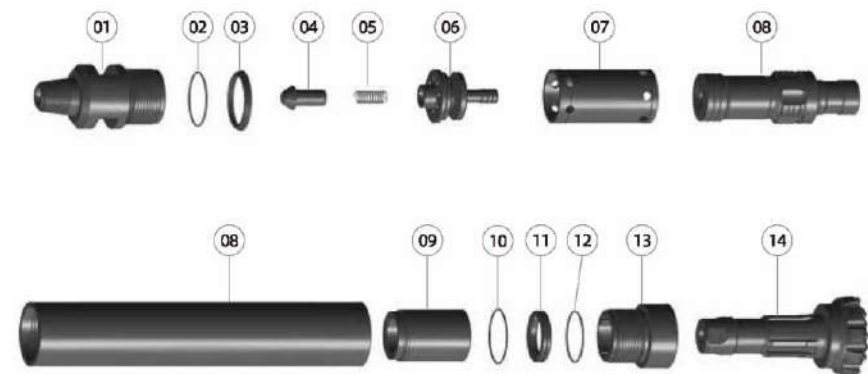
总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1122mm	70Kg	φ 126mm	API2 3/8"REG	ND55A	φ 136- φ 155mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.0Mpa	1.5Mpa		
1.0-2.5 Mpa	30-60 r/min	7m³/min	13m³/min		

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1119mm	62Kg	φ 117mm	API3 1/2"REG	ND55S	φ 127- φ 145mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.0Mpa	1.5Mpa		
1.0-2.5 Mpa	30-60 r/min	6m³/min	12m³/min		

QP681

(QD65A)



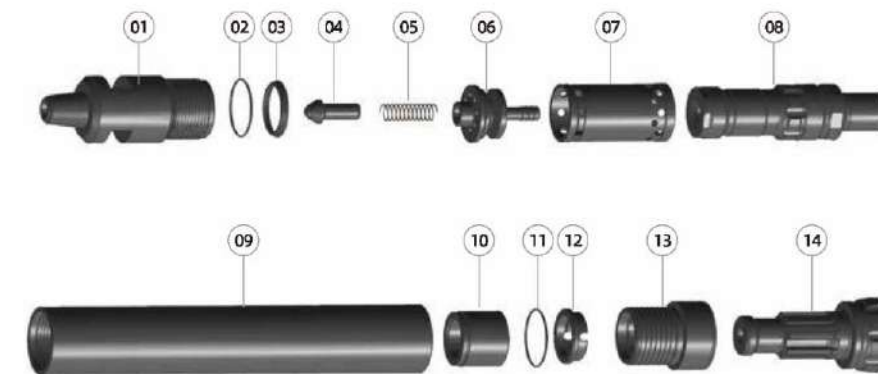
Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	21.5 Kg	01-QP681-01	09	外缸 Piston Case	36.5 kg	01-QP681-09
02	O形圈 "O"Ring	0.01 Kg	01-QP681-02	10	衬套 Guided Sleeve	6.3 kg	01-QP681-10
03	碟簧 Disc Spring	0.34 Kg	01-QP681-03	11	挡圈 Check Ring	0.02 kg	01-QP681-11
04	逆止阀 Check Valve	0.56 Kg	01-QP681-04	12	卡环 Retainer Ring	1 kg	01-QP681-12
05	弹簧 Spring	0.05 Kg	01-QP681-05	13	O形圈 "O"Ring	0.01 Kg	01-QP681-13
06	配气座 Valve Seat	4.3 Kg	01-QP681-06	14	卡钎套 Drive Chuck	8.2 kg	01-QP681-14
07	内缸 Inner Cylinder	4.2 Kg	01-QP681-07	15	钻头 Drill Bit		01-QP681-15
08	活塞 Piston	23 Kg	01-QP681-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1210mm	106Kg	φ 148mm	API3 1/2"REG	ND65A	φ 158- φ 203mm
适用气压 Work Pressure		推荐转速 Recommended Rotation Speed	耗风量/Air Consumption		
			1.8Mpa	2.4Mpa	
1.2-2.5 Mpa		30-60 r/min		16m³/min	23m³/min

QP781

(QD75A)



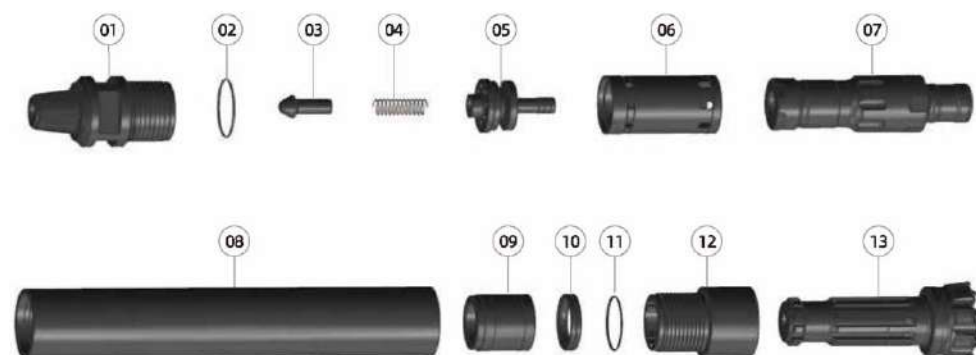
Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	31.2 Kg	01-QP781-01	09	外缸 Piston Case	47 kg	01-QP781-09
02	O形圈 "O"Ring	0.01 Kg	01-QP781-02	10	衬套 Guided Sleeve	5.65 kg	01-QP781-10
03	碟簧 Disc Spring	0.5 Kg	01-QP781-03	11	挡圈 Check Ring	0.02 kg	01-QP781-11
04	逆止阀 Check Valve	0.65 Kg	01-QP781-04	12	卡环 Retainer Ring	1.3 kg	01-QP781-12
	弹簧 Spring	0.09 Kg	01-QP781-05	13	卡钎套 Drive Chuck	11.5 kg	01-QP781-13
06	配气座 Valve Seat	5.5 Kg	01-QP781-06	14	钻头 Drill Bit		01-QP781-14
07	内缸 Inner Cylinder	5.5 Kg	01-QP781-07				
08	活塞 Piston	34.5 Kg	01-QP781-08				

技术参数 / Technical Parameters

总长（不含钻头） Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1225mm	143.5Kg	φ 165mm	API3 1/2"REG	ND75A	φ 178- φ 216mm
适用气压 Work Pressure	1.5-2.8 Mpa	30-60 r/min	21m³/min	耗风量/Air Consumption	
				1.8Mpa	2.4Mpa
1.5-2.8 Mpa		30-60 r/min	21m³/min	28m³/min	

QP880

(QD85A)



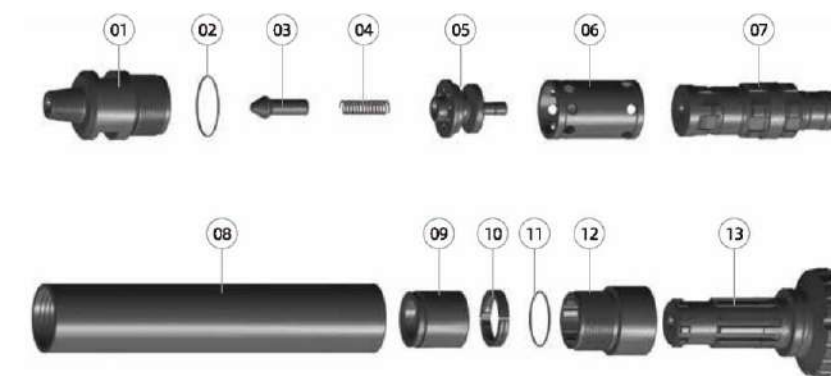
Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	38.5 Kg	01-QP880-01	09	衬套 Guided Sleeve	6.1 kg	01-QP880-09
02	O形圈 "O"Ring	0.02 Kg	01-QP880-02	10	卡环 Retainer Ring	1.2 kg	01-QP880-10
03	逆止阀 Check Valve	0.65 Kg	01-QP880-03	11	O形圈 "O"Ring	0.01 Kg	01-QP880-11
04	弹簧 Spring	0.1 Kg	01-QP880-04	12	卡钎套 Drive Chuck	19.3 kg	01-QP880-12
05	配气座 Valve Seat	6.2 Kg	01-QP880-05	13	钻头 Drill Bit		01-QP880-13
06	内缸 Inner Cylinder	7.4 Kg	01-QP880-06				
07	活塞 Piston	44.5 Kg	01-QP880-07				
08	外缸 Piston Case	69.5 Kg	01-QP880-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1354mm	193Kg	φ 185mm	API4 1/2"REG	ND85A	φ 198- φ 254mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	30-60 r/min	25m ³ /min	34m ³ /min		

QP1081

(N100A)

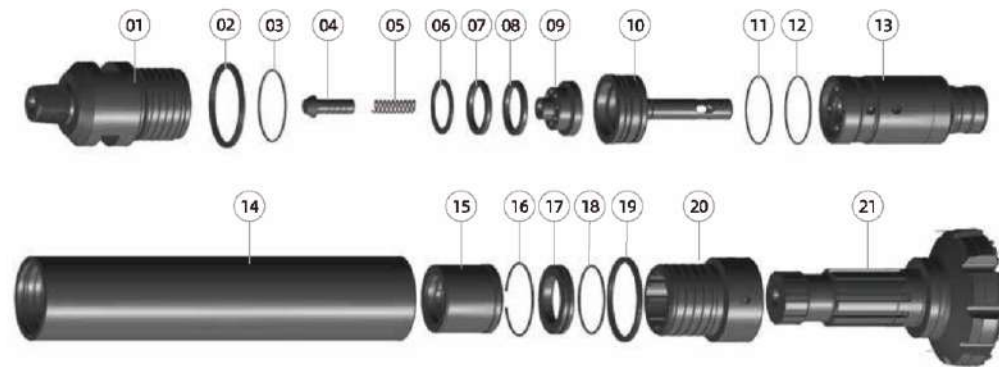


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	62 Kg	01-QP1081-01	09	衬套 Guided Sleeve	11.5 kg	01-QP1081-09
02	O形圈 "O"Ring	0.02 Kg	01-QP1081-02	10	卡环 Retainer Ring	2.2 kg	01-QP1081-10
03	逆止阀 Check Valve	1.5 Kg	01-QP1081-03	11	O形圈 "O"Ring	0.02 Kg	01-QP1081-11
04	弹簧 Spring	0.20 Kg	01-QP1081-04	12	卡钎套 Drive Chuck	26 kg	01-QP1081-12
05	配气座 Valve Seat	13.5 Kg	01-QP1081-05	13	钻头 Drill Bit		01-QP1081-13
06	内缸 Inner Cylinder	13 Kg	01-QP1081-06				
07	活塞 Piston	71.5 Kg	01-QP1081-07				
08	外缸 Piston Case	98 Kg	01-QP1081-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1475mm	299.5Kg	φ 225mm	API5 1/2"REG	NUMA100A	φ 254- φ 311mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	25 ~ 50 r/min	36m ³ /min	58m ³ /min		

N125A

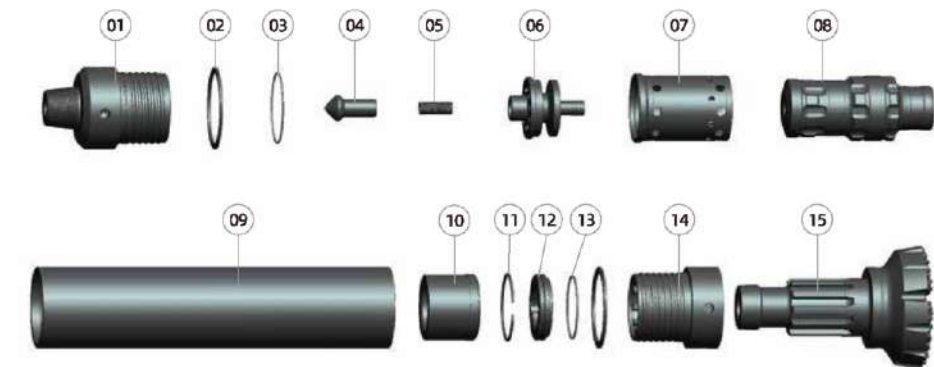


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	163.5 Kg	01-N125A-01	12	O形圈 "O"Ring	0.03 Kg	01-N125A-12
02	垫圈 Washer	1.5 Kg	01-N125A-02	13	活塞 Piston	137.7Kg	01-N125A-13
03	O形圈 "O"Ring	0.03 Kg	01-N125A-03	14	外缸 Piston Case	247.5Kg	01-N125A-14
04	逆止阀 Check Valve	1.5 Kg	01-N125A-04	15	衬套 Guided Sleeve	29.7 Kg	01-N125A-15
05	弹簧 Spring	0.2 Kg	01-N125A-05	16	挡圈 Check Ring	0.2 Kg	01-N125A-16
06	垫片 Adjuster Shim	0.7 Kg	01-N125A-06	17	卡环 Retainer Ring	7 Kg	01-N125A-17
07	橡胶垫 Rubber Buffer	0.3 Kg	01-N125A-07	18	O形圈 "O"Ring	0.3 Kg	01-N125A-18
08	橡胶垫 Rubber Buffer	0.3 Kg	01-N125A-08	19	垫圈 Washer	1.5 Kg	01-N125A-19
09	配气座 Valve Seat	11.8 Kg	01-N125A-09	20	卡钎套 Drive Chuck	67.2 Kg	01-N125A-20
10	配气杆 Rigid Valve	27.4 Kg	01-N125A-10	21	钻头 Drill Bit		01-N125A-21
11	O形圈 "O"Ring	0.03 Kg	01-N125A-11				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1785mm	698.5Kg	Φ 305mm	API6 5/8"REG	NUMA125A	Φ 330- Φ 400mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
				1.8Mpa	2.4Mpa
1.5-3.3 Mpa	25 ~ 45 r/min	46m³/min		58m³/min	

QP330 (QD140A)

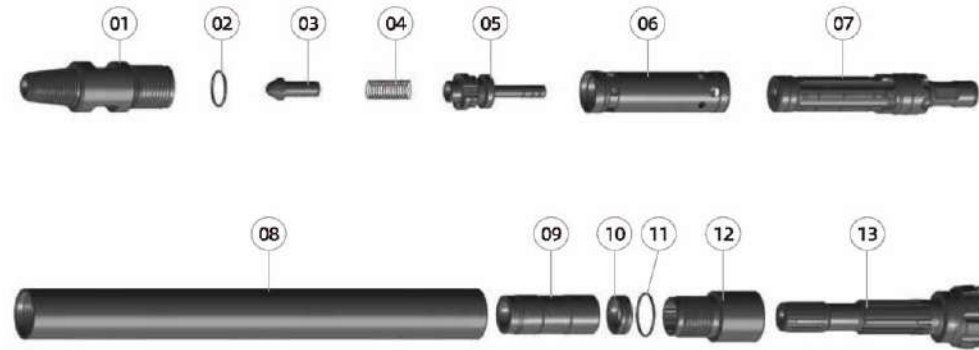


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	160 Kg	01-QP330-01	09	外缸 Piston Case	317 Kg	01-QP330-09
02	垫片 Adjuster Shim	1.5 Kg	01-QP330-02	10	衬套 Guided Sleeve	43.5 Kg	01-QP330-10
03	O形圈 "O"Ring	0.05 Kg	01-QP330-03	11	挡圈 Check Ring	0.5 Kg	01-QP330-11
04	逆止阀 Check Valve	3.4 Kg	01-QP330-04	12	卡环 Retainer Ring	12.4 Kg	01-QP330-12
05	弹簧 Spring	0.4 Kg	01-QP330-05	13	O形圈 "O"Ring	0.03 Kg	01-QP330-13
06	配气座 Valve Seat	31.5 Kg	01-QP330-06	14	垫片 Adjuster Shim	1.9 Kg	01-QP330-14
07	内缸 Inner Cylinder	28.7 Kg	01-QP330-07	15	卡钎套 Drive Chuck	77.4 Kg	01-QP330-15
08	活塞 Piston	173 Kg	01-QP330-08	16	钻头 Drill Bit		01-QP330-16

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1861mm	851Kg	Φ 332mm	API7 5/8"REG	SP330	Φ 350- Φ 550mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
				1.8Mpa	2.4Mpa
1.5-3.3 Mpa	25 ~ 45 r/min	53m³/min		76m³/min	

QL40A

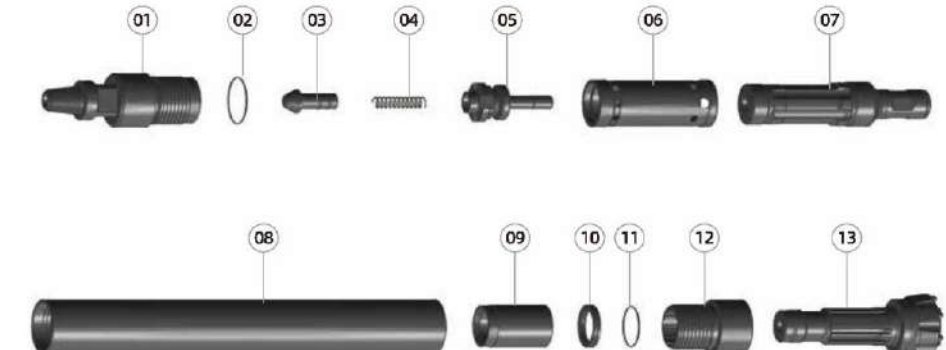


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	8.1 Kg	01-QL40A-01	09	衬套 Guided Sleeve	2.3 Kg	01-QL40A-09
02	O形圈 "O"Ring	0.01 Kg	01-QL40A-02	10	卡环 Retainer Ring	0.27 Kg	01-QL40A-10
03	逆止阀 Check Valve	0.3 Kg	01-QL40A-03	11	O形圈 "O"Ring	0.01 Kg	01-QL40A-11
04	弹簧 Spring	0.04 Kg	01-QL40A-04	12	卡钎套 Driver Chuck	3.3 Kg	01-QL40A-12
05	配气座 Valve Seat	1.5 Kg	01-ND45A-05	13	钻头 Drill Bit		01-QL40A-13
06	内缸 Inner Cylinder	2.1 Kg	01-QL40A-06				
07	活塞 Piston	8.4 Kg	01-QL40A-07				
08	外缸 Piston Case	16.4 Kg	01-QL40A-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1057mm	42.7Kg	φ 99mm	API2 3/8"REG	QL40A	φ 110- φ 135mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.2 Mpa	30-60 r/min	5m ³ /min	9m ³ /min		

QL50A

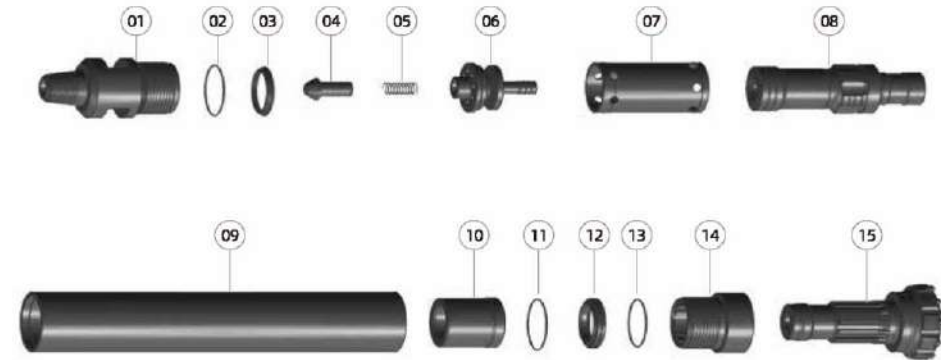


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	14 Kg	01-QL50A-01	09	衬套 Guided Sleeve	2.75 Kg	01-QL50A-09
02	O形圈 "O"Ring	0.01 Kg	01-QL50A-02	10	卡环 Retainer Ring	0.45 Kg	01-QL50A-10
03	逆止阀 Check Valve	0.6 Kg	01-QL50A-03	11	O形圈 "O"Ring	0.01 Kg	01-QL50A-11
04	弹簧 Spring	0.06 Kg	01-QL50A-04	12	卡钎套 Drive Chuck	5.4 Kg	01-QL50A-12
05	配气座 Valve Seat	2.15 Kg	01-QL50A-05	13	钻头 Drill Bit		01-QL50A-13
06	内缸 Inner Cylinder	3.3 Kg	01-QL50A-06				
07	活塞 Piston	15.5 Kg	01-QL50A-07				
08	外缸 Piston Case	24.2 Kg	01-QL50A-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 External Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1102mm	68.5Kg	φ 126mm	API2 3/8"REG	QL50A	φ 136- φ 155mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.5 Mpa	30-60 r/min	7m ³ /min	13m ³ /min		

QL680

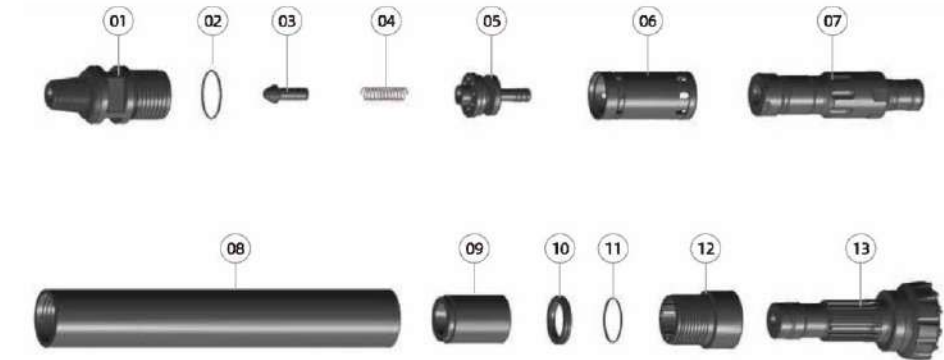


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	21.5 Kg	01-QL680-01	09	外缸 Piston Case	34.3 Kg	01-QL680-09
02	O形圈 "O"Ring	0.01 Kg	01-QL680-02	10	衬套 Guided Sleeve	5.4 Kg	01-QL680-10
03	碟簧 Disc Spring	0.34 Kg	01-QL680-03	11	挡圈 Check Ring	0.02 Kg	01-QL680-11
04	逆止阀 Check Valve	0.56 Kg	01-QL680-04	12	卡环 Retainer Ring	0.92 Kg	01-QL680-12
05	弹簧 Spring	0.05 Kg	01-QL680-05	13	O形圈 "O"Ring	0.01 Kg	01-QL680-13
06	配气座 Valve Seat	4.3 Kg	01-QL680-06	14	卡钎套 Drive Chuck	7.5 Kg	01-QL680-14
07	内缸 Inner Cylinder	4.2 Kg	01-QL680-07	15	钻头 Drill Bit		01-QL680-15
08	活塞 Piston	23 Kg	01-QL680-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 External Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1155mm	102Kg	φ 148mm	API3 1/2"REG	QL60A	φ 158- φ 203mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.2-2.7 Mpa	30 ~ 60 r/min	16m³/min	23m³/min		

QL880



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	38.5 Kg	01-QL880-01	09	衬套 Guided Sleeve	10.5 kg	01-QL880-09
02	O形圈 "O"Ring	0.02 Kg	01-QL880-02	10	卡环 Retainer Ring	1.2 kg	01-QL880-10
03	逆止阀 Check Valve	0.65 Kg	01-QL880-03	11	O形圈 "O"Ring	0.01 Kg	01-QL880-11
04	弹簧 Spring	0.1 Kg	01-QL880-04	12	卡钎套 Drive Chuck	14.5 kg	01-QL880-12
05	配气座 Valve Seat	6.2 Kg	01-QL880-05	13	钻头 Drill Bit		01-QL880-13
06	内缸 Inner Cylinder	7.4 Kg	01-QL880-06				
07	活塞 Piston	44.5 Kg	01-QL880-07				
08	外缸 Piston Case	64.5 Kg	01-QL880-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 External Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1335mm	188Kg	φ 185mm	API4 1/2"REG	QL80A	φ 198- φ 254mm
适用气压 Work Pressure	推荐转速 Recommended Rotation Speed	耗风量/Air Consumption			
		2.4Mpa			
1.5-3.3 Mpa	30 ~ 60 r/min	25m³/min	34m³/min		

ND/QL Series DTH Hammer with Foot Valve

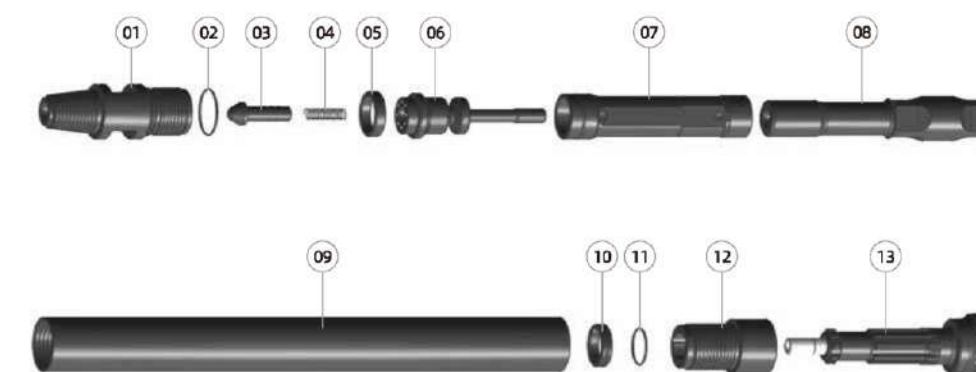
This high air pressure DTH hammer working with foot valve



MAIN FEATURES:

- Simple design of the piston, long life span.
- More efficient energy transfer, faster drilling speed, lower air consumption and lower oil consumption.
- Fewer internal parts, simple structure, long life span, less failure and easier to maintain because all the parts are heat treated.
- Easy to disassemble because the top sub, the drive chuck and the external cylinder are connected by multiple steps thread.

DHD3.5

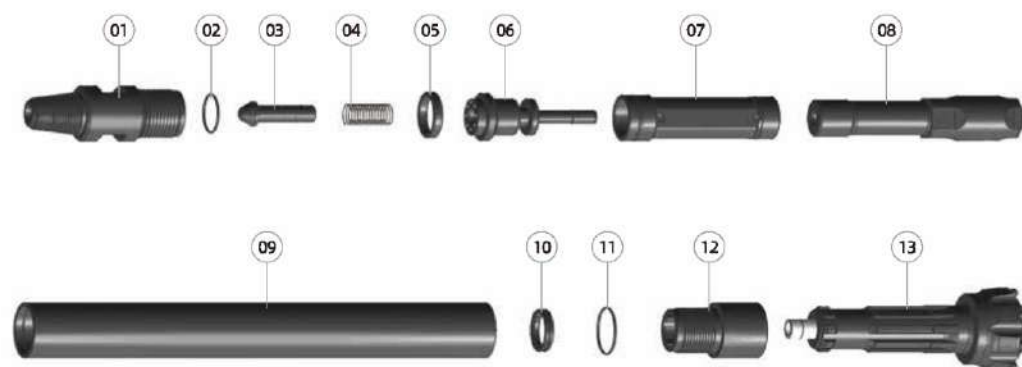


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	4.4 Kg	01-DHD3.5-01	09	外缸 Piston Case	9.5 Kg	01-DHD3.5-09
02	O形圈 "O"Ring	0.01 Kg	01-DHD3.5-02	10	卡环 Retainer Ring	0.1 Kg	01-DHD3.5-10
03	逆止阀 Check Valve	0.2 Kg	01-DHD3.5-03	11	O形圈 O Ring of Top Sub	0.01 Kg	01-DHD3.5-11
04	弹簧 Spring	0.02 Kg	01-DHD3.5-04	12	卡钎套 Drive Chuck	2.1 Kg	01-DHD3.5-12
05	橡胶垫 Rubber Buffer	0.02 Kg	01-DHD3.5-05	13	钻头 Drill Bit		01-DHD3.5-13
06	配气座 Valve Seatt	1.4 Kg	01-DHD3.5-06				
07	内缸 Inner Cylinder	1.7 Kg	01-DHD3.5-07				
08	活塞 Piston	5.6 Kg	01-DHD3.5-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
928mm	25Kg	φ 82mm	API2 3/8"REG	DHD3.5	φ 90- φ 110mm
工作风压 working pressure		推荐转速 Recommended rotation speed		耗风量/Air Consumption	
				1.0Mpa	1.5Mpa
1.0-1.7 Mpa		30-60 r/min		4.5m³/min	8.5m³/min

DHD340

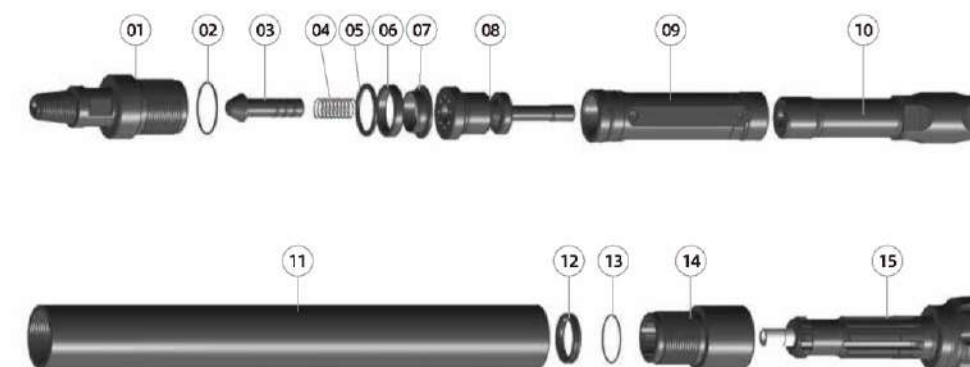


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	8.8 Kg	01-DHD340-01	09	外缸 Piston Case	15.9 Kg	01-DHD340-09
02	O形圈 "O"Ring	0.01 Kg	01-DHD340-02	10	卡环 Retainer Ring	0.2 Kg	01-DHD340-10
03	逆止阀 Check Valve	0.46 Kg	01-DHD340-03	11	O形圈 "O"Ring	0.01 Kg	01-DHD340-11
04	弹簧 Spring	0.04 Kg	01-DHD340-04	12	卡钎套 Drive Chuckk	3.7 Kg	01-DHD340-12
05	橡胶垫 Rubber Buffer	0.2 Kg	01-DHD340-05	13	钻头 Drill Bit		01-DHD340-13
06	配气座 Valve Seat	2.1 Kg	01-DHD340-06				
07	内缸 Inner Cylinder	2.45 Kg	01-DHD340-07				
08	活塞 Piston	9 Kg	01-DHD340-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1032mm	43Kg	φ 99mm	API2 3/8"REG	DHD340	φ 110- φ 135mm
适用气压 Work Pressure				耗风量/Air Consumption	
				1.0Mpa	1.8Mpa
1.0-2.2 Mpa				30-60 r/min	5.5m³/min 10m³/min

DHD350

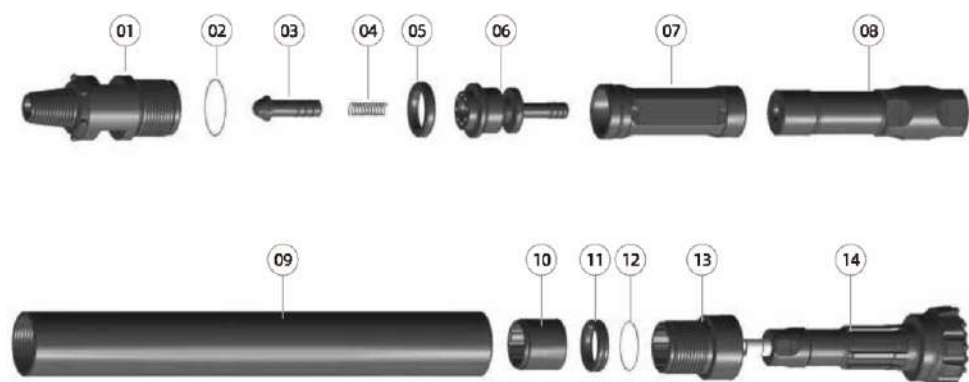


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	14.7 Kg	01-DHD350-01	09	内缸 Inner Cylinde	4.9 Kg	01-DHD350-09
02	O形圈 "O"Ring	0.02 Kg	01-DHD350-02	10	活塞 Piston	15.5 Kg	01-DHD350-10
03	逆止阀 Check Valve	1 Kg	01-DHD350-03	11	外缸 Piston Case	30.3 Kg	01-DHD350-11
04	弹簧 Spring	0.06 Kg	01-DHD350-04	12	卡环 Retainer Ring	0.3 Kg	01-DHD350-12
05	调整圈 Adjuster Ring	0.1 Kg	01-DHD350-05	13	O形圈 "O"Ring	0.01 Kg	01-DHD350-13
06	橡胶垫 Rubber Buffer	0.06 Kg	01-DHD350-06	14	卡钎套 Drive Chuckk	7.1 Kg	01-DHD350-14
07	垫座 Ring Lock	0.2 Kg	01-DHD350-07	15	钻头 Drill Bit		01-DHD350-15
08	配气座 Valve Seat	4.2 Kg	01-DHD350-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1209mm	78.5Kg	φ 125mm	API2 3/8"REG	DHD350	φ 135- φ 155mm
适用气压 Work Pressure				耗风量/Air Consumption	
				1.0Mpa	1.8Mpa
1.0-2.5 Mpa				30-60 r/min	9m³/min 15m³/min

DHD360

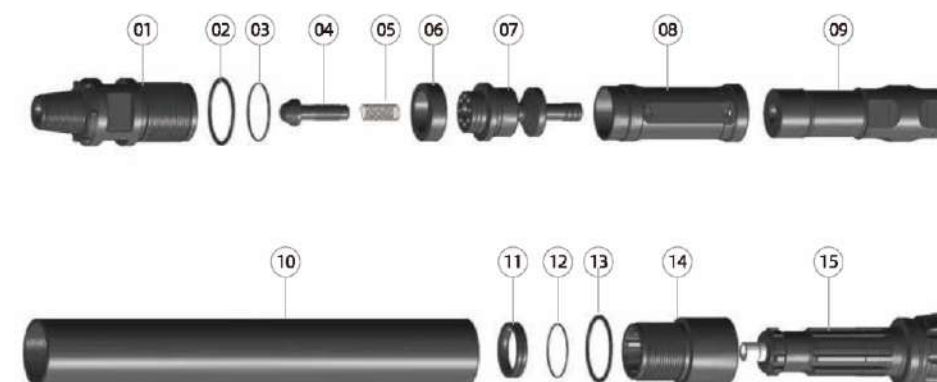


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	20.3 Kg	01-ND45A-01	09	外缸 Piston Case	37.2 Kg	01-DHD360-09
02	O形圈 "O"Ring	0.02 Kg	01-ND45A-02	10	衬套 Guided Sleeve	2.5 Kg	01-DHD360-10
03	逆止阀 Check Valve	0.8 Kg	01-ND45A-03	11	卡环 Retainer Ring	0.6 Kg	01-DHD360-11
04	弹簧 Spring	0.05 Kg	01-ND45A-04	12	O形圈 "O"Ring	0.02 Kg	01-DHD360-12
05	橡胶垫 Rubber Buffer	0.3 Kg	01-ND45A-05	13	卡钎套 Drive Chuckk	6 Kg	01-DHD360-13
06	内缸 Inner Cylinder	5 Kg	01-ND45A-06	14	钻头 Drill Bit		01-DHD360-14
07	活塞 Piston	4 Kg	01-ND45A-07				
08	外缸 Piston Case	23.5 Kg	01-ND45A-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1063mm	100.5Kg	φ 142mm	API3 1/2"REG	DHD360	φ 150- φ 190mm
适用气压 Work Pressure				耗风量/Air Consumption	
				1.0Mpa	1.8Mpa
1.0-2.5 Mpa				20m³/min	28m³/min
		推荐转速 Recommended rotation speed			
		30-60 r/min			

DHD380

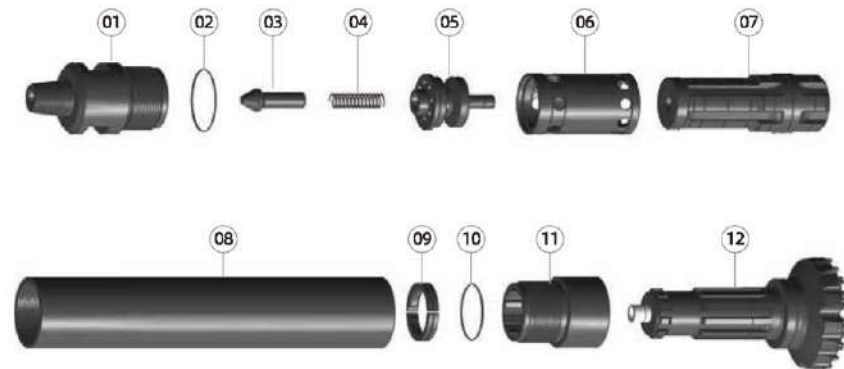


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	42 Kg	01-DHD380-01	09	活塞 Piston	41.5 Kg	01-DHD380-09
02	垫片 Adjuster Shim	0.2 Kg	01-DHD380-02	10	外缸 Piston Case	62.5 Kg	01-DHD380-10
03	O形圈 "O"Ring	0.02 Kg	01-DHD380-03	11	卡环 Retainer Ring	1.2 Kg	01-DHD380-11
04	逆止阀 Check Valve	1.3 Kg	01-DHD380-04	12	O形圈 "O"Ring	0.02 Kg	01-DHD380-12
05	弹簧 Spring	0.09 Kg	01-DHD380-05	13	垫片 Adjuster Shim	0.2 Kg	01-DHD380-13
06	橡胶垫 Rubber Buffer	0.4 Kg	01-DHD380-06	14	卡钎套 Drive Chuckk	18.2 Kg	01-DHD380-14
07	配气座 Valve Seat	13 Kg	01-DHD380-07	15	钻头 Drill Bit		01-DHD380-15
08	内缸 Inner Cylinder	9.1 Kg	01-DHD380-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1492mm	190Kg	φ 180mm	API4 1/2"REG	DHD380	φ 195- φ 254mm
适用气压 Work Pressure				耗风量/Air Consumption	
				1.8Mpa	2.4Mpa
1.5-3.3 Mpa				26m³/min	34m³/min
		推荐转速 Recommended rotation speed			
		30-60 r/min			

NUMA100

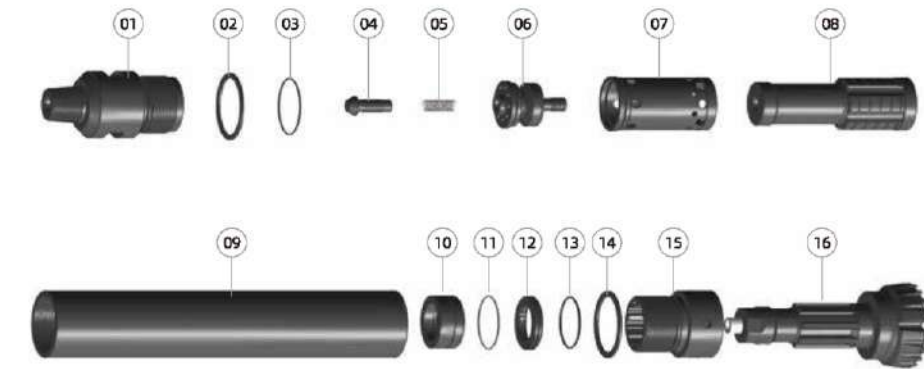


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	60 kg	01-NUMA100-01	09	卡环 Retainer Ring	2.2 kg	01-NUMA100-09
02	O形圈 "O"Ring	0.03 kg	01-NUMA100-02	10	O形圈 "O"Ring	0.02 kg	01-NUMA100-10
03	逆止阀 Check Valve	1.5 kg	01-NUMA100-03	11	卡钎套 Drive Chuckk	27 kg	01-NUMA100-11
04	弹簧 Spring	0.2 kg	01-NUMA100-04	12	钻头 Drill Bit		01-NUMA100-12
05	配气座 Valve Seatt	12.8 kg	01-NUMA100-05				
06	内缸 Inner Cylinder	13.5 kg	01-NUMA100-06				
07	活塞 Piston	71 kg	01-NUMA100-07				
08	外缸 Piston Case	94.5 kg	01-NUMA100-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1432mm	283Kg	φ 225mm	API5 1/2"REG	NUMA100	φ 254- φ 311mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	25 ~ 50 r/min	40m ³ /min	60m ³ /min		

DHD1120

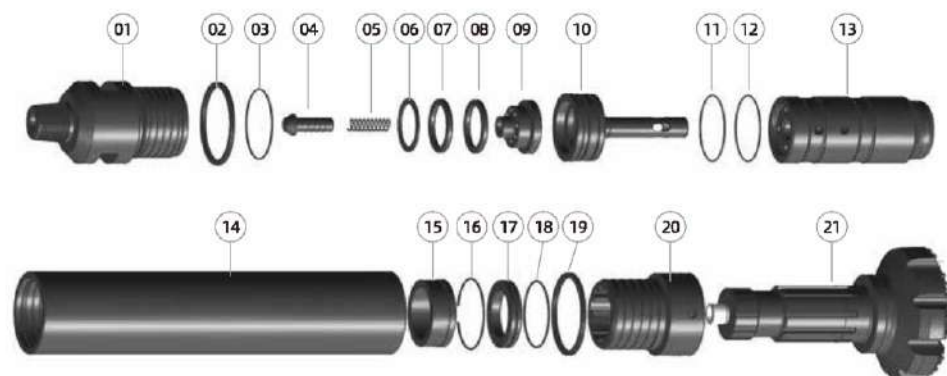


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	134 kg	01-DHD1120-01	09	外缸 Piston Case	220 Kg	01-DHD1120-09
02	垫片 Adjuster Shim	0.8 kg	01-DHD1120-02	10	衬套 Guided Sleeve	12 Kg	01-DHD1120-10
03	O形圈 "O"Ring	0.04 kg	01-DHD1120-03	11	挡圈 Check Ring	0.25 Kg	01-DHD1120-11
04	逆止阀 Check Valve	1.5 kg	01-DHD1120-04	12	卡环 Retainer Ring	5.2 Kg	01-DHD1120-12
05	弹簧 Spring	0.2 kg	01-DHD1120-05	13	O形圈 "O"Ring	0.04 Kg	01-DHD1120-13
06	配气座 Valve Seatt	21 kg	01-DHD1120-06	14	垫片 Adjuster Shim	1.2 Kg	01-DHD1120-14
07	内缸 Inner Cylinder	29 kg	01-DHD1120-07	15	卡钎套 Drive Chuckk	53.5 Kg	01-DHD1120-15
08	活塞 Piston	119 kg	01-DHD1120-08	16	钻头 Drill Bit		01-DHD1120-16

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1845mm	598Kg	φ 275mm	API6 5/8"REG	DHD1120	φ 295- φ 400mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	25 ~ 50 r/min	50m ³ /min	70m ³ /min		

N125

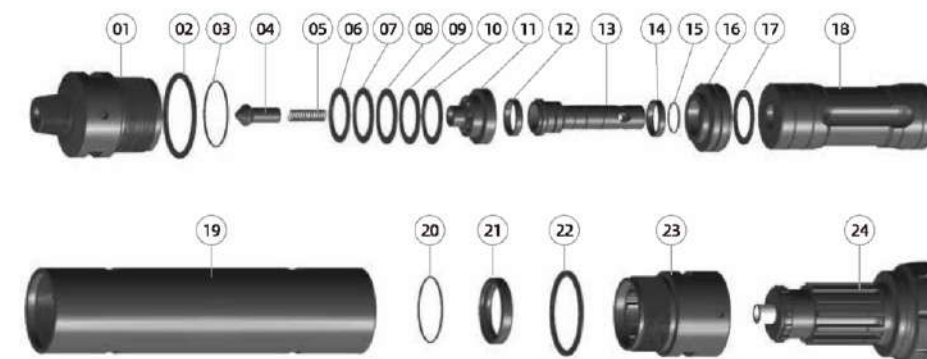


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	163.5 Kg	01-N125-01	12	O形圈 "O"Ring	0.03 Kg	01-N125-12
02	垫圈 Adjuster Shim	1.5 Kg	01-N125-02	13	活塞 Piston	154 Kg	01-N125-13
03	O形圈 "O"Ring	0.03 Kg	01-N125-03	14	外缸 Piston Case	246.5Kg	01-N125-14
04	逆止阀 Check Valve	1.5 Kg	01-N125-04	15	衬套 Guided Sleeve	12.7 Kg	01-N125-15
05	弹簧 Spring	0.2 Kg	01-N125-05	16	挡圈 Check Ring	0.2 Kg	01-N125-16
06	垫片 Adjuster Shim	0.7 Kg	01-N125-06	17	卡环 Retainer Ring	7 Kg	01-N125-17
07	橡胶垫 Rubber Buffer	0.3 Kg	01-N125-07	18	O形圈 "O"Ring	0.3 Kg	01-N125-18
08	橡胶垫 Rubber Buffer	0.3 Kg	01-N125-08	19	垫圈 Adjuster Shim	1.5 Kg	01-N125-19
09	配气座 Valve Seatt	11.8 Kg	01-N125-09	20	卡钎套 Driver Chuck	68.5 Kg	01-N125-20
10	配气杆 Rigid Valve	27.4 Kg	01-N125-10	21	钻头 Drill Bit		01-N125-21
11	O形圈 "O"Ring	0.03 Kg	01-N125-11				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1785mm	698Kg	φ 305mm	API6 5/8"REG	NUMA125	φ 330- φ 400mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	25 ~ 45 r/min	46m ³ /min	58m ³ /min		

YC410

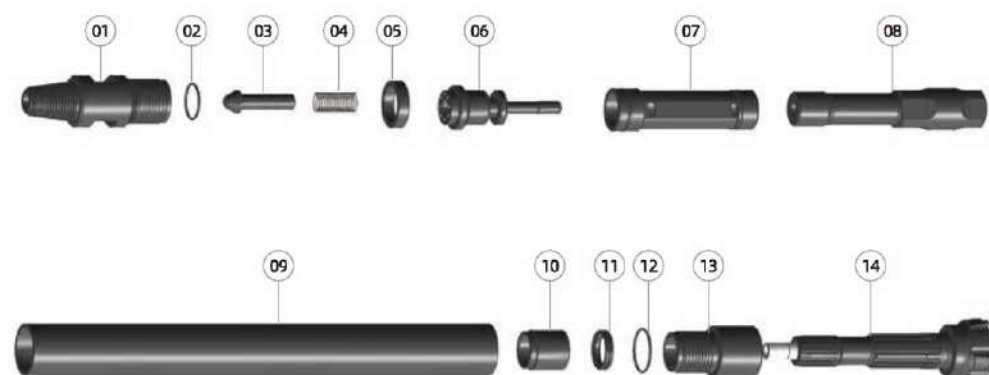


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	274 Kg	01-YC410-01	13	配气杆 Rigid Valve	0.3 Kg	01-YC410-13
02	垫片 Adjuster Shim	2.9 Kg	01-YC410-02	14	橡胶垫 Rubber Buffer	0.3 Kg	01-YC410-14
03	O形圈 "O"Ring	0.03 Kg	01-YC410-03	15	O形圈 "O"Ring	0.03 Kg	01-YC410-15
04	逆止阀 Check Valve	3.4 Kg	01-YC410-04	16	杆座 Pole seat	50 Kg	01-YC410-16
05	弹簧 Spring	0.3 Kg	01-YC410-05	17	O形圈 "O"Ring	0.03 Kg	01-YC410-17
06	调整圈 Adjuster Ring	1.5 Kg	01-YC410-06	18	活塞 Piston	347 Kg	01-YC410-18
07	碟簧 Disc Spring	1.35 Kg	01-YC410-07	19	外缸 Piston Case	562 Kg	01-YC410-19
08	碟簧 Disc Sping	1.35 Kg	01-YC410-08	20	挡圈 Check Ring	0.3 Kg	01-YC410-20
09	碟簧 Disc Sping	1.35 Kg	01-YC410-09	21	卡环 Retainer Ring	10 Kg	01-YC410-21
10	碟簧 Disc Sping	1.35 Kg	01-YC410-10	22	垫片 Adjuster Shim	2.9 Kg	01-YC410-22
11	配气座 Valve Seat	26.4 Kg	01-YC410-11	23	卡钎套 Driver Chuck	155 Kg	01-YC410-23
12	橡胶垫 Rubber Buffer	0.3 Kg	01-YC410-12	24	钻头 Drill Bit		01-YC410-24

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
2162mm	1464Kg	φ 406mm	API8 5/8"REG	Numa180	φ 450- φ 600mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.5 Mpa	20~40 r/min	63m ³ /min	85m ³ /min		

QL40

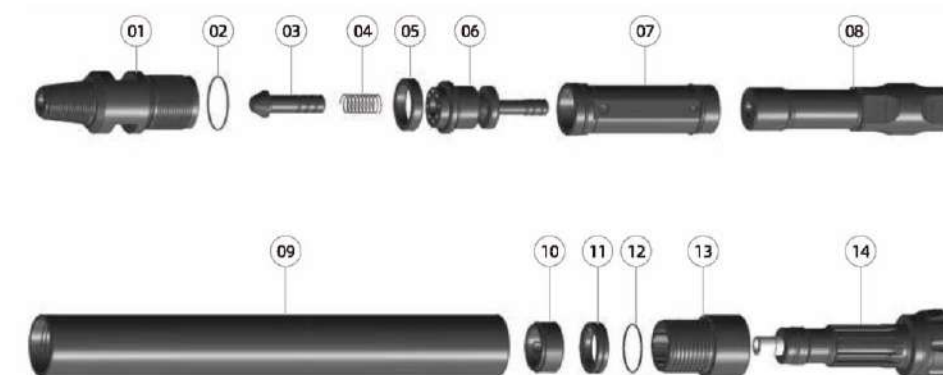


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	8.8 Kg	01-QL40-01	09	外缸 Piston Case	16.5 Kg	01-QL40-09
02	O形圈 "O"Ring	0.01 Kg	01-QL40-02	10	衬套 Guided Sleeve	0.9 Kg	01-QL40-10
03	逆止阀 Check Valve	0.46 Kg	01-QL40-03	11	卡环 Retainer Ring	0.2 Kg	01-QL40-11
04	弹簧 Spring	0.04 Kg	01-QL40-04	12	O形圈 "O"Ring	0.01 Kg	01-QL40-12
05	橡胶垫 Rubber Buffer	0.2 Kg	01-QL40-05	13	卡钎套 Drive Chuck	3.3 Kg	01-QL40-13
06	配气座 Valve Seat	2.1 Kg	01-QL40-06	14	钻头 Drill Bit		01-QL40-14
07	内缸 Inner Cylinder	2.45 Kg	01-QL40-07				
08	活塞 Piston	8.8 Kg	01-QL40-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1102mm	43.7Kg	φ 99mm	API2 3/8"REG	QL40	φ 110- φ 135mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.2 Mpa	30-60 r/min	5.5m ³ /min	10m ³ /min		

QL50

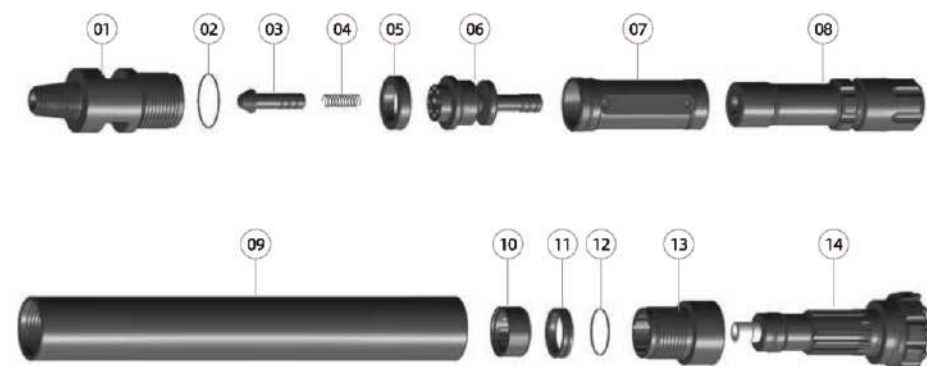


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	14.7 Kg	01-QL50-01	09	外缸 Piston Case	24.7 Kg	01-QL50-09
02	O形圈 "O"Ring	0.02 Kg	01-QL50-02	10	衬套 Guided Sleeve	1 Kg	01-QL50-10
03	逆止阀 Check Valve	1 Kg	01-QL50-03	11	卡环 Retainer Ring	0.6 Kg	01-QL50-11
04	弹簧 Spring	0.06 Kg	01-QL50-04	12	O形圈 "O"Ring	0.01 Kg	01-QL50-12
05	橡胶垫 Rubber Buffer	0.2 Kg	01-QL50-05	13	卡钎套 Drive Chuck	5.6 Kg	01-QL50-13
06	配气座 Valve Seat	4.1 Kg	01-QL50-06	14	钻头 Drill Bit		01-QL50-14
07	内缸 Inner Cylinder	4.4 Kg	01-QL50-07				
08	活塞 Piston	17 Kg	01-QL50-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1154mm	73.5Kg	φ 126mm	API2 3/8"REG	QL50	φ 135- φ 155mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.5 Mpa	30-60 r/min	9m ³ /min	15m ³ /min		

QL60

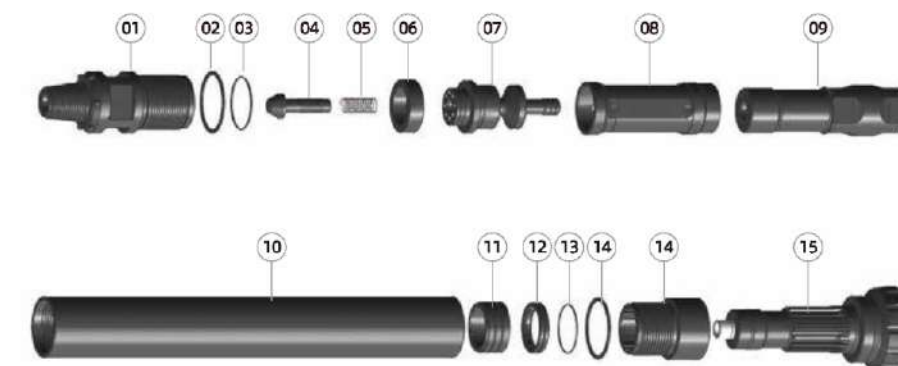


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	23 Kg	01-QL60-01	09	外缸 Piston Case	39 Kg	01-QL60-09
02	O形圈 "O"Ring	0.02 Kg	01-QL60-02	10	衬套 Guided Sleeve	1.1 Kg	01-QL60-10
03	逆止阀 Check Valve	0.08 Kg	01-QL60-03	11	卡环 Retainer Ring	0.6 Kg	01-QL60-11
04	弹簧 Spring	0.05 Kg	01-QL60-04	12	O形圈 "O"Ring	0.02 Kg	01-QL60-12
05	橡胶垫 Rubber Buffer	0.3 Kg	01-QL60-05	13	卡钎套 Drive Chuckk	6.3 Kg	01-QL60-13
06	配气座 Valve Seat	6.2 Kg	01-QL60-06	14	钻头 Drill Bit		01-QL60-14
07	内缸 Inner Cylinder	5 Kg	01-QL60-07				
08	活塞 Piston	23.5 Kg	01-QL60-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1211mm	105Kg	Φ 148mm	API3 1/2"REG	QL60	Φ 158- Φ 190mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 / Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.5 Mpa	30-60 r/min	20m³/min	28m³/min		

QL80



Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	42 Kg	01-QL80-01	09	活塞 Piston	41 Kg	01-QL80-09
02	垫片 Adjuster Shim	0.2 Kg	01-QL80-02	10	外缸 Piston Case	64 Kg	01-QL80-10
03	O形圈 "O"Ring	0.02 Kg	01-QL80-03	11	衬套 Guided Sleeve	2.9 Kg	01-QL80-11
04	逆止阀 Check Valve	1.3 Kg	01-QL80-04	12	卡环 Retainer Ring	1.2 Kg	01-QL80-12
05	弹簧 Spring	0.1 Kg	01-QL80-05	13	O形圈 "O"Ring	0.02 Kg	01-QL80-13
06	橡胶垫 Rubber Buffer	0.4 Kg	01-QL80-06	14	垫片 Adjuster Shim	0.2 Kg	01-QL80-14
07	配气座 Valve Seat	12.7 Kg	01-QL80-07	15	卡钎套 Drive Chuckk	12 Kg	01-QL80-15
08	内缸 Inner Cylinder	9.1 Kg	01-QL80-08	16	钻头 Drill Bit		01-QL80-16

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1471mm	187Kg	Φ 180mm	API4 1/2"REG	QL80	Φ 195- Φ 254mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 / Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	30-60 r/min	26m³/min	34m³/min		

MISSION / SD Shank DTH Hammer

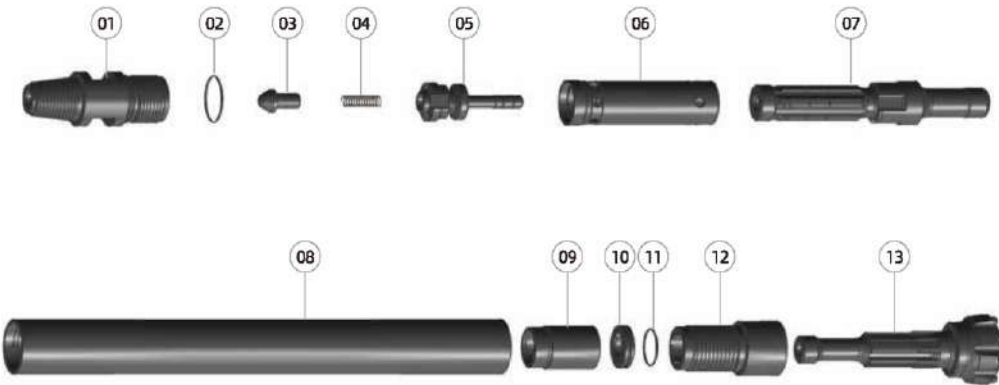
Mission/SD series

Our MISSION/SD series DTH hammers are designed and manufactured with advanced technology and strict quality control. Simple structure, high reliability, easy maintenance and excellent performance make the hammers ideal for various drilling conditions.

Industrial and Engineering Technology Co., Limited DTH hammers are manufactured from high quality alloy steel and precision machined parts. All key components are heat treated to ensure high durability and long service life. We are committed to providing our customers with stable, efficient and cost-effective drilling solutions.



M30

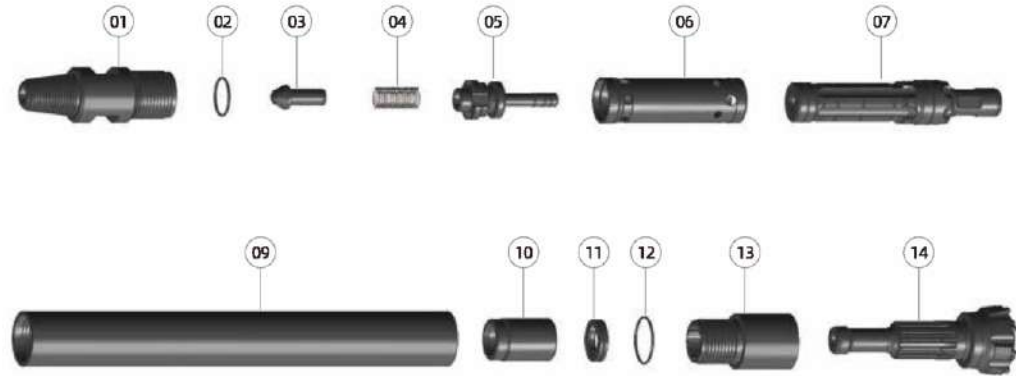


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	4.5 Kg	01-Mis30-01	09	衬套 Guided Sleeve	0.9 Kg	01-Mis30-09
02	O形圈 "O"Ring	0.01 Kg	01-Mis30-02	10	卡环 Retainer Ring	0.2 kg	01-Mis30-10
03	逆止阀 Check Valve	0.13 Kg	01-Mis30-03	11	O形圈 "O"Ring	0.01 Kg	01-Mis30-11
04	弹簧 Spring	0.02 Kg	01-Mis30-04	12	卡钎套 Drive Chuckk	2.5 kg	01-Mis30-12
05	配气座 Valve Seat	0.76 Kg	01-Mis30-05	13	钻头 Drill Bit		01-Mis30-13
06	内缸 Inner Cylinder	1.45 Kg	01-Mis30-06				
07	活塞 Piston	4.8 Kg	01-Mis30-07				
08	外缸 Piston Case	7.6 Kg	01-Mis30-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
931mm	23Kg	φ 82mm	API2 3/8"REG	M30	φ 90- φ 115mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.0Mpa	1.5Mpa		
1.0-1.7 Mpa	30-50 r/min	4m ³ /min	6.5m ³ /min		

M40

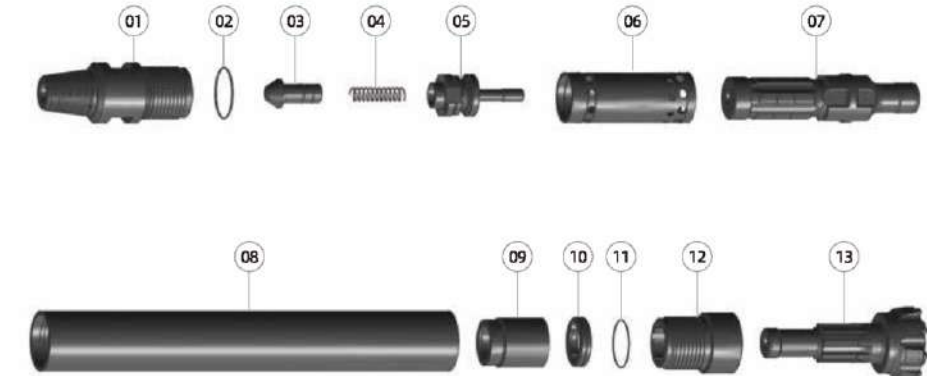


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	8.1 Kg	01-Mis40-01	09	衬套 Guided Sleeve	1.84 Kg	01-Mis40-09
02	O形圈 "O"Ring	0.01 Kg	01-Mis40-02	10	卡环 Retainer Ring	0.3 Kg	01-Mis40-10
03	逆止阀 Check Valve	0.3 Kg	01-Mis40-03	11	O形圈 "O"Ring	0.01 Kg	01-Mis40-11
04	弹簧 Spring	0.04 Kg	01-Mis40-04	12	卡钎套 Drive Chuckk	3.9 Kg	01-Mis40-12
05	配气座 Valve Seat	1.5 Kg	01-Mis40-05	13	钻头 Drill Bit		01-Mis40-13
06	内缸 Inner Cylinder	2.1 Kg	01-Mis40-06				
07	活塞 Piston	8.4 Kg	01-Mis40-07				
08	外缸 Piston Case	15 Kg	01-Mis40-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1004mm	40.5Kg	φ 99mm	API2 3/8"REG	M40	φ 110- φ 135mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
1.0-2.2 Mpa	30-60 r/min	5m ³ /min		9m ³ /min	

NM5C

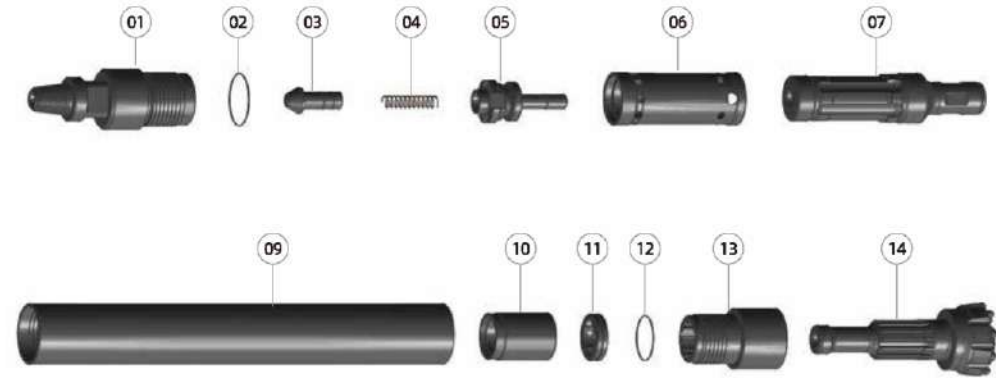


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	12.7 Kg	01-NM5C-01	09	衬套 Guided Sleeve	3 Kg	01-NM5C-09
02	O形圈 "O"Ring	0.01 Kg	01-NM5C-02	10	卡环 Retainer Ring	0.7 Kg	01-NM5C-10
03	逆止阀 Check Valve	0.6 Kg	01-NM5C-03	11	O形圈 "O"Ring	0.01 Kg	01-NM5C-11
04	弹簧 Spring	0.06 Kg	01-NM5C-04	12	卡钎套 Drive Chuckk	5.3 Kg	01-NM5C-12
05	配气座 Valve Seat	1.7 Kg	01-NM5C-05	13	钻头 Drill Bit		01-NM5C-13
06	内缸 Inner Cylinder	2.9 Kg	01-NM5C-06				
07	活塞 Piston	12 Kg	01-NM5C-07				
08	外缸 Piston Case	23 Kg	01-NM5C-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1080mm	62Kg	φ 114mm	API2 3/8"REG	NM5C	φ 125- φ 146mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
1.0-2.5 Mpa	30-60 r/min	6m ³ /min		12m ³ /min	

M50

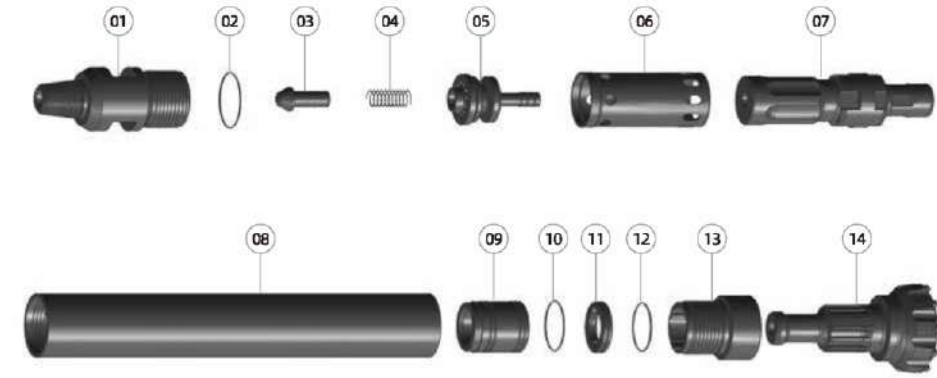


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	13.7 Kg	01-Mis50-01	09	衬套 Guided Sleeve	2.6 Kg	01-Mis50-09
02	O形圈 "O"Ring	0.02 Kg	01-Mis50-02	10	卡环 Retainer Ring	0.7 Kg	01-Mis50-10
03	逆止阀 Check Valve	0.7 Kg	01-Mis50-03	11	O形圈 "O"Ring	0.01 Kg	01-Mis50-11
04	弹簧 Spring	0.1 Kg	01-Mis50-04	12	卡钎套 Drive Chuckk	7.1 Kg	01-Mis50-12
05	配气座 Valve Seat	2 Kg	01-Mis50-05	13	钻头 Drill Bit		01-Mis50-13
06	内缸 Inner Cylinder	2.8 Kg	01-Mis50-06				
07	活塞 Piston	15 Kg	01-Mis50-07				
08	外缸 Piston Case	24 Kg	01-Mis50-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1122mm	70.5Kg	φ 126mm	API2 3/8"REG	M50	φ 136- φ 155mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 /Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.5 Mpa	30-60 r/min	7m ³ /min	13m ³ /min		

M60

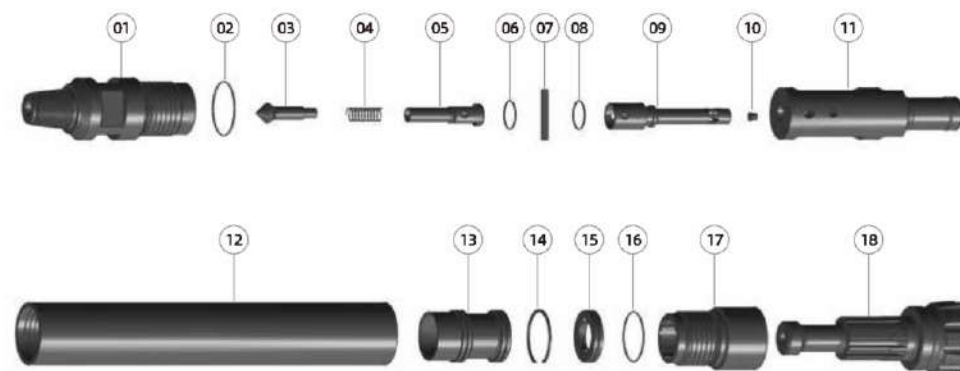


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	20 kg	01-Mis60-01	09	衬套 Guided Sleeve	4.8 kg	01-Mis60-09
02	O形圈 "O"Ring	0.01 Kg	01-Mis60-02	10	O形圈 "O"Ring	0.01 Kg	01-Mis60-10
03	逆止阀 Check Valve	0.56 Kg	01-Mis60-03	11	卡环 Retainer Ring	0.9 kg	01-Mis60-11
04	弹簧 Spring	0.06 Kg	01-Mis60-04	12	O形圈 "O"Ring	0.01 Kg	01-Mis60-12
05	配气座 Valve Seat	3.5 kg	01-Mis60-05	13	卡钎套 Drive Chuckk	5.8 kg	01-Mis60-13
06	内缸 Inner Cylinder	3.9 kg	01-Mis60-06	14	钻头 Drill Bit		01-Mis60-14
07	活塞 Piston	21.5 kg	01-Mis60-07				
08	外缸 Piston Case	30.5 kg	01-Mis60-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1129mm	91.5Kg	φ 144mm	API3 1/2"REG	M60	φ 152- φ 203mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 /Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.8 Mpa	30-60 r/min	18m ³ /min	25m ³ /min		

M80

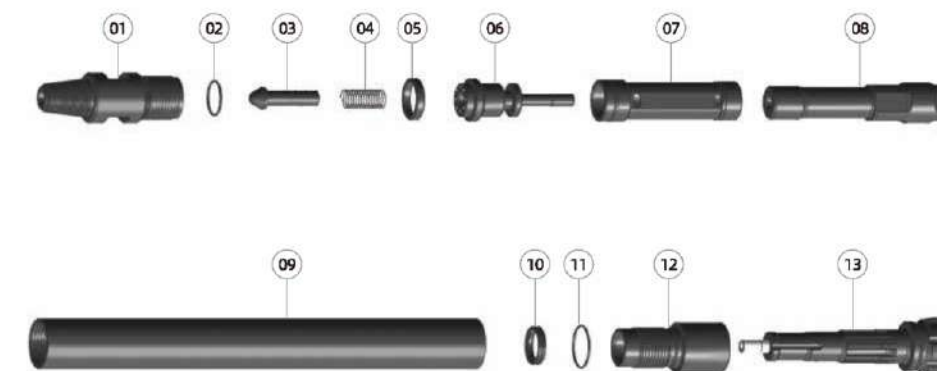


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	43 Kg	01-Mis80-01	10	尼龙塞 Nylon Plug	0.04 Kg	01-Mis80-10
02	O形圈 "O"Ring	0.01 Kg	01-Mis80-02	11	活塞 Piston	42 Kg	01-Mis80-11
03	逆止阀 Check Valve	0.46 Kg	01-Mis80-03	12	外缸 Piston Case	43 Kg	01-Mis80-12
04	弹簧 Spring	0.07 Kg	01-Mis80-04	13	衬套 Guided Sleeve	9.8 Kg	01-Mis80-13
05	阀座 Valve Seatt	0.65 Kg	01-Mis80-05	14	挡圈 Check Ring	0.09 Kg	01-Mis80-14
06	O形圈 "O"Ring	0.01 Kg	01-Mis80-06	15	卡环 Retainer Ring	1.9 Kg	01-Mis80-15
07	插销 Lock Pin	0.3 Kg	01-Mis80-07	16	O形圈 "O"Ring	0.01 Kg	01-Mis80-16
08	O形圈 "O"Ring	0.01 Kg	01-Mis80-08	17	卡钎套 Drive Chuckk	17 Kg	01-Mis80-17
09	配气杆 Rigid Valve	2 Kg	01-Mis80-09	18	钻头 Drill Bit		01-Mis80-18

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1333mm	160.5Kg	φ 180mm	API4 1/2"REG	M80	φ 195- φ 245mm
适用气压 Work Pressure				耗风量/Air Consumption	
				1.8Mpa	2.4Mpa
1.5-3.3 Mpa				30 ~ 60 r/min	26m³/min 35m³/min

SD4

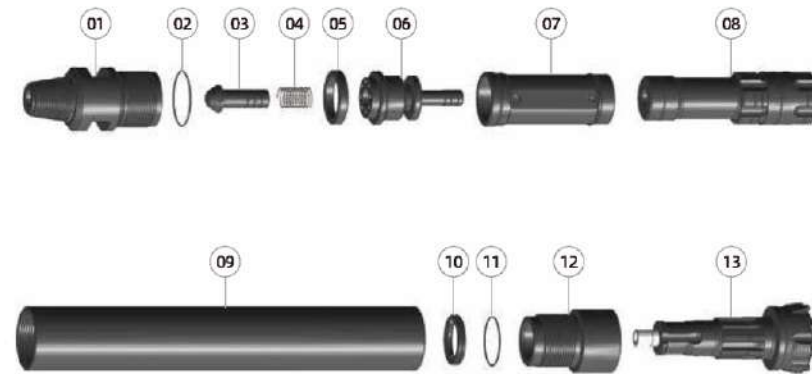


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	01 接头 Top Sub	8.8 Kg	01-SD4-01	09	外缸 Piston Case	15.6 Kg	01-SD4-09
02	O形圈 "O"Ring	0.01 Kg	01-SD4-02	10	卡环 Retainer Ring	0.2 Kg	01-SD4-10
03	逆止阀 Check Valve	0.46 Kg	01-SD4-03	11	O形圈 "O"Ring	0.01 Kg	01-SD4-11
04	弹簧 Spring	0.04 Kg	01-SD4-04	12	卡钎套 Drive Chuckk	4 Kg	01-SD4-12
05	橡胶垫 Rubber Buffer	0.2 Kg	01-SD4-05	13	钻头 Drill Bit		01-SD4-13
06	配气座 Valve Seat	2.1 Kg	01-SD4-06				
07	内缸 Inner Cylinder	2.45 Kg	01-SD4-07				
08	活塞 Piston	9 Kg	01-SD4-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1082mm	43Kg	φ 99mm	API2 3/8"REG	SD4	φ 110- φ 135mm
适用气压 Work Pressure				耗风量/Air Consumption	
				1.8Mpa	2.4Mpa
1.0-2.2 Mpa				30-60 r/min	5.5m³/min 10m³/min

SD5

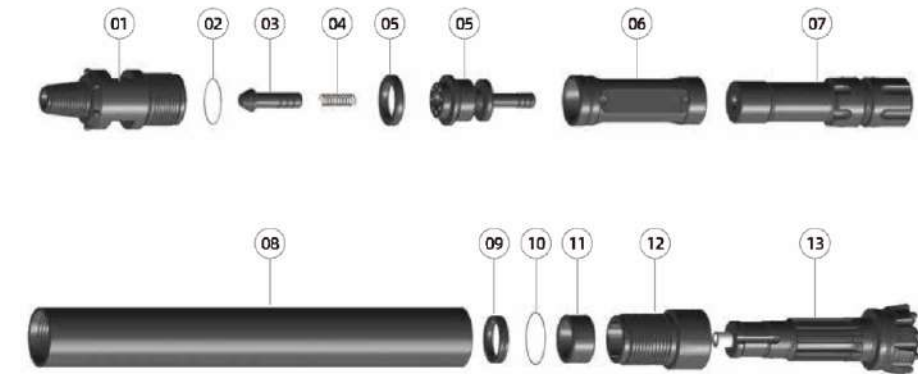


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	14.7 Kg	01-SD5-01	09	外缸 Piston Case	23.5 Kg	01-SD5-09
02	O形圈 "O"Ring	0.02 Kg	01-SD5-02	10	卡环 Retainer Ring	0.5 Kg	01-SD5-10
03	逆止阀 Check Valve	1 Kg	01-SD5-03	11	O形圈 "O"Ring	0.01 Kg	01-SD5-11
04	弹簧 Spring	0.06 Kg	01-SD5-04	12	卡钎套 Drive Chuck	7.8 Kg	01-SD5-12
05	橡胶垫 Rubber Buffer	0.2 Kg	01-SD5-05	13	钻头 Drill Bit		01-SD5-13
06	配气座 Valve Seat	4.1 Kg	01-SD5-06				
07	内缸 Inner Cylinder	4.4 Kg	01-SD5-07				
08	活塞 Piston	17.3 Kg	01-SD5-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1178mm	73.6Kg	φ 125mm	API2 3/8"REG	SD5	φ 135- φ 155mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.0-2.5 Mpa	30-60 r/min	9m ³ /min	15m ³ /min		

SD6

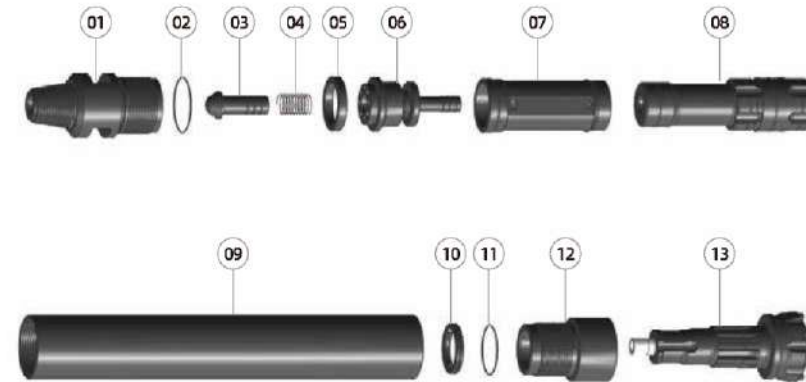


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	20.3 Kg	01-SD6-01	09	外缸 Piston Case	34.5 Kg	01-SD6-09
02	O形圈 "O"Ring	0.02 Kg	01-SD6-02	10	卡环 Retainer Ring	0.5 Kg	01-SD6-10
03	逆止阀 Check Valve	0.8 Kg	01-SD6-03	11	O形圈 "O"Ring	0.01 Kg	01-SD6-11
04	弹簧 Spring	0.05 Kg	01-SD6-04	12	衬套 Guided Sleeve	1.6 Kg	01-SD6-12
05	橡胶垫 Rubber Buffer	0.3 Kg	01-SD6-05	13	卡钎套 Drive Chuckk	8 Kg	01-SD6-13
06	配气座 Valve Seat	5 Kg	01-SD6-06	14	钻头 Drill Bit		01-SD6-14
07	内缸 Inner Cylinder	4 Kg	01-SD6-07				
08	活塞 Piston	23.5 Kg	01-SD6-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1277mm	99Kg	φ 142mm	API3 1/2"REG	SD6	φ 150- φ 190mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.0-2.5 Mpa	30-60 r/min	20m ³ /min	28m ³ /min		

SD8



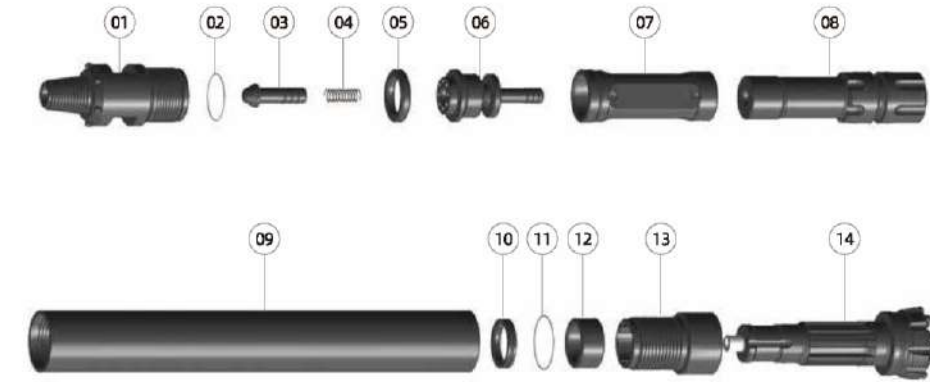
SD

Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	42 Kg	01-SD8-01	09	活塞 Piston	43.5 Kg	01-SD8-09
02	垫片 Adjuster Shim	0.2 Kg	01-SD8-02	10	外缸 Piston Case	64.5 Kg	01-SD8-10
03	O形圈 "O"Ring	0.02 Kg	01-SD8-03	11	卡环 Retainer Ring	1.25 Kg	01-SD8-11
04	逆止阀 Check Valve	1.3 Kg	01-SD8-04	12	O形圈 "O"Ring	0.02 Kg	01-SD8-12
05	弹簧 Spring	0.09 Kg	01-SD8-05	13	衬套 Guided Sleeve	3.35 Kg	01-SD8-13
06	橡胶垫 Rubber Buffer	0.4 Kg	01-SD8-06	14	卡钎套 Drive Chuckk	16 Kg	01-SD8-14
07	配气座 Valve Seat	12.7 Kg	01-SD8-07	15	钻头 Drill Bit		01-SD8-15
08	内缸 Inner Cylinder	9.1 Kg	01-SD8-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1463mm	194Kg	φ 180mm	API4 1/2"REG	SD8	φ 195- φ 254mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 / Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	30-60 r/min	26m ³ /min	34m ³ /min		

SD10

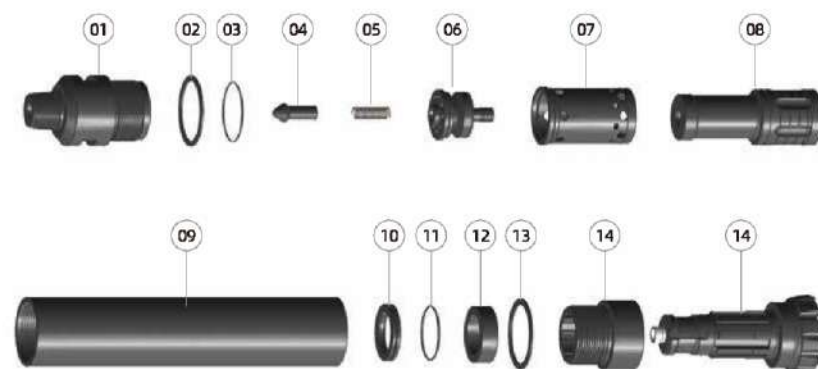


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	60 kg	01-SD10-01	09	卡环 Retainer Ring	2.76 kg	01-SD10-09
02	O形圈 "O"Ring	0.03 kg	01-SD10-02	10	O形圈 "O"Ring	0.02 kg	01-SD10-10
03	逆止阀 Check Valve	1.5 kg	01-SD10-03	11	衬套 Guided Sleeve	5 kg	01-SD10-11
04	弹簧 Spring	0.2 kg	01-SD10-04	12	卡钎套 Drive Chuckk	21 kg	01-SD10-12
05	配气座 Valve Seat	12.8 kg	01-SD10-05	13	钻头 Drill Bit		01-SD10-13
06	内缸 Inner Cylinder	13.5 kg	01-SD10-06				
07	活塞 Piston	71 kg	01-SD10-07				
08	外缸 Piston Case	85 kg	01-SD10-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1413mm	273Kg	φ 225mm	API5 1/2"REG	SD10	φ 254- φ 311mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 / Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	25 ~ 50 r/min	40m ³ /min	60m ³ /min		

SD12



Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	134 kg	01-SD12-01	09	外缸 Piston Case	220 kg	01-SD12-09
02	垫片 Adjuster Shim	0.8 kg	01-SD12-02	10	卡环 Retainer Ring	5.2 kg	01-SD12-10
03	O形圈 "O"Ring	0.04 kg	01-SD12-03	11	O形圈 "O"Ring	0.03 kg	01-SD12-11
04	逆止阀 Check Valve	1.5 kg	01-SD12-04	12	衬套 Guided Sleeve	5.2 kg	01-SD12-12
05	弹簧 Spring	0.2 kg	01-SD12-05	13	垫片 Adjuster Shim	0.8 kg	01-SD12-13
06	配气座 Valve Seat	21 kg	01-SD12-06	14	卡钎套 Drive Chuckk	53.5 kg	01-SD12-14
07	内缸 Inner Cylinder	29 kg	01-SD12-07	15	钻头 Drill Bit		01-SD12-15
08	活塞 Piston	118 kg	01-SD12-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1825mm	589Kg	φ 275mm	API6 5/8"REG	SD12	φ 295- φ 400mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 / Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	25 ~ 50 r/min	50m ³ /min	70m ³ /min		

TD40

Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	8.9 Kg	01-TD40-01	08	活塞 Piston	9 Kg	01-TD40-09
02	O形圈 "O"Ring	0.01 Kg	01-TD40-02	09	外缸 Piston Case	15.9 Kg	01-TD40-10
03	逆止阀 Check Valve	0.46 Kg	01-TD40-03	10	卡环 Retainer Ring	0.2 Kg	01-TD40-11
04	弹簧 Spring	0.04 Kg	01-TD40-04	11	O形圈 "O"Ring	0.01 Kg	01-TD40-12
05	橡胶垫 Rubber Buffer	0.2 Kg	01-TD40-05	12	卡钎套 Drive Chuckk	3.6 Kg	01-TD40-13
06	配气座 Valve Seat	2.1 Kg	01-TD40-06	13	钻头 Drill Bit		
07	内缸 Inner Cylinder	2.45 Kg	01-TD40-07				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1032mm	42.8Kg	φ 99mm	API2 3/8"REG	TD40	φ 110- φ 135mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 / Air Consumption			
		1.0Mpa	1.8Mpa		
1.0-2.2 Mpa	30-60 r/min	5.5m ³ /min	10m ³ /min		

COP32

Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	4.5 Kg	01-COP32-01	08	外缸 Piston Case	9.6 Kg	01-COP32-09
02	O形圈 "O"Ring	0.01 Kg	01-COP32-02	09	衬套 Guided Sleeve	0.9 Kg	01-COP32-10
03	逆止阀 Check Valve	0.13 Kg	01-COP32-03	10	卡环 Retainer Ring	0.15 Kg	01-COP32-11
04	弹簧 Spring	0.02 Kg	01-COP32-04	11	O形圈 "O"Ring	0.01 Kg	01-COP32-12
05	配气座 Valve Seat	0.76 Kg	01-COP32-05	12	卡钎套 Drive Chuckk	1.9 Kg	01-COP32-13
06	内缸 Inner Cylinder	1.45 Kg	01-COP32-06	13	钻头 Drill Bit		
07	活塞 Piston	4.8 Kg	01-COP32-07				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
921mm	25.5Kg	φ 82mm	API2 3/8"REG	COP32	φ 90- φ 115mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 / Air Consumption			
		1.0Mpa	1.5Mpa		
1.0-1.7 Mpa	30-50 r/min	4m ³ /min	6.5m ³ /min		

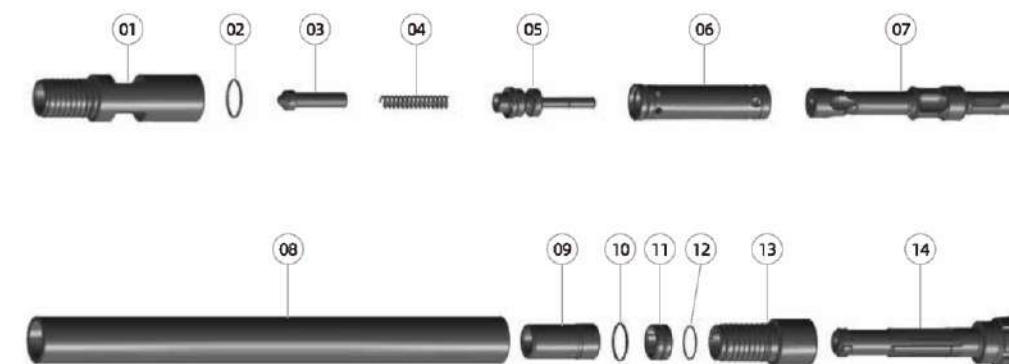
Medium-Low DTH Hammer

The main features are as following:

- ✓ The pressure are between 0.7 MPa and 1.75 MPa.
- ✓ Valveless hammers.
- ✓ Simple structure, easy to assemble and to disassemble, long lifespan.
- ✓ Higher impulse and faster drilling rate.
- ✓ Lower air consumption and lower oil consumption. A hole can be drilled on the check valve to provide more efficient cuttings discharge.
- ✓ Especially suitable for quarrying.



BR1

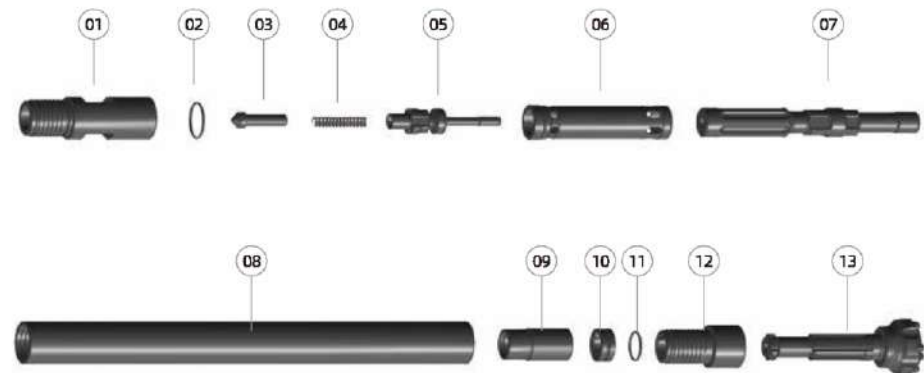


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	1.92 kg	03-BR1-01	09	衬套 Guided Sleeve	0.29 kg	03-BR1-09
02	O形圈 "O"Ring	0.01 Kg	03-BR1-02	10	挡圈 Check Ring	0.1 kg	03-BR1-10
03	逆止阀 Check Valve	0.08 kg	03-BR1-03	11	卡环 Retainer Ring	0.08 kg	03-BR1-11
04	弹簧 Spring	0.01 Kg	03-BR1-04	12	O形圈 "O"Ring	0.01 Kg	03-BR1-12
05	配气座 Valve Seat	0.46 kg	03-BR1-05	13	卡钎套 Drive Chuck	0.82 kg	03-BR1-13
06	内缸 Inner Cylinder	0.38 kg	03-BR1-06	14	钻头 Drill Bit		03-BR1-14
07	活塞 Piston	1.16 kg	03-BR1-07				
08	外缸 Piston Case	3.46 kg	03-BR1-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
698mm	8.8Kg	φ 56mm	RD40 BOX	BR1	φ 64- φ 76mm
适用气压 Working Pressure		推荐转速 Recommended rotation speed		耗风量/Air Consumption	
0.8-1.5 MPa		30-50 r/min		1.0MPa	1.4MPa
				2m³/min	3m³/min

BR2

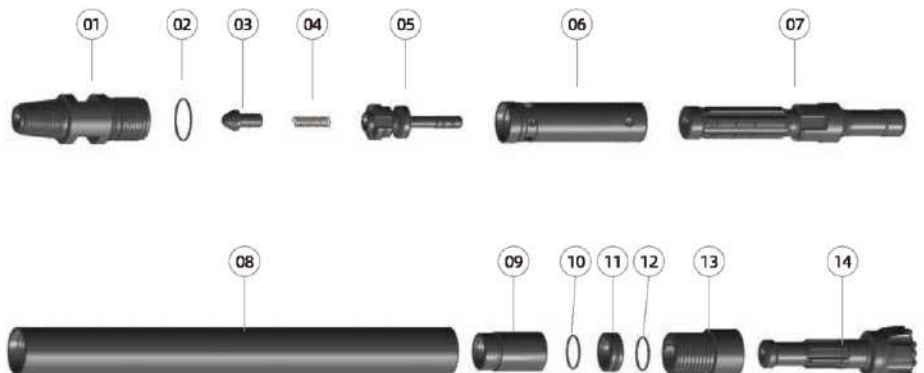


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	2.5 Kg	03-BR2-01	09	衬套 Guided Sleeve	0.52 Kg	03-BR2-09
02	O形圈 "O"Ring	0.01 Kg	03-BR2-02	10	卡环 Retainer Ring	0.1 Kg	03-BR2-10
03	逆止阀 Check Valve	0.08 Kg	03-BR2-03	11	O形圈 "O"Ring	0.01 Kg	03-BR2-11
04	弹簧 Spring	0.05 Kg	03-BR2-04	12	卡钎套 Drive Chuckk	1.2 Kg	03-BR2-12
05	配气座 Valve Seat	0.5 Kg	03-BR2-05	13	钻头 Drill Bit		03-BR2-13
06	内缸 Inner Cylinder	0.6 Kg	03-BR2-06				
07	活塞 Piston	2.3 Kg	03-BR2-07				
08	外缸 Piston Case	4.5 Kg	03-BR2-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
810mm	12.5Kg	φ 64mm	RD50 BOX	BR2	φ 70- φ 90mm
适用气压 Work Pressure		推荐转速 Recommended rotation speed		耗风量 / Air Consumption	
				1.0Mpa	1.4Mpa
0.8-1.5 Mpa		30-50 r/min		3m ³ /min	4.5m ³ /min

BR3

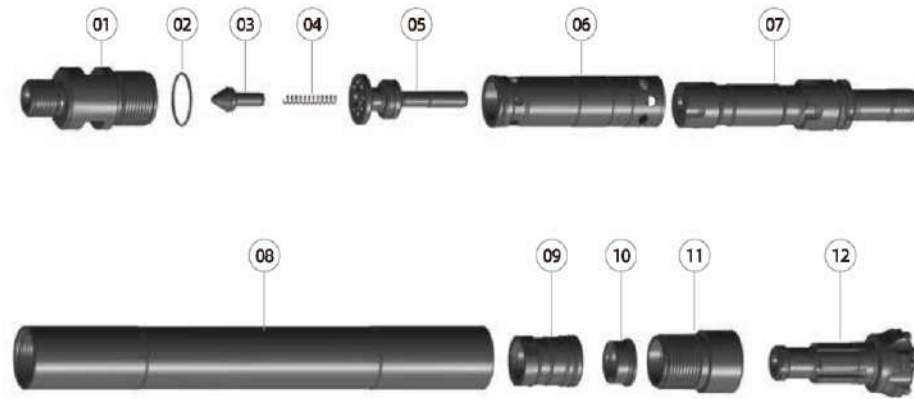


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	4.4 Kg	01-BR3-01	09	衬套 Guided Sleeve	0.9 Kg	01-BR3-09
02	O形圈 "O"Ring	0.01 Kg	01-BR3-02	10	挡圈 Check Ring	0.15 Kg	01-BR3-10
03	逆止阀 Check Valve	0.13 Kg	01-BR3-03	11	卡环 Retainer Ring	0.25 Kg	01-BR3-11
04	弹簧 Spring	0.02 Kg	01-BR3-04	12	O形圈 "O"Ring	0.01 Kg	01-BR3-12
05	配气座 Valve Seat	0.76 Kg	01-BR3-05	13	卡钎套 Drive Chuckk	2 kg	01-BR3-13
06	内缸 Inner Cylinder	1.45 Kg	01-BR3-06	14	钻头 Drill Bit		01-BR3-14
07	活塞 Piston	4.7 Kg	01-BR3-07				
08	外缸 Piston Case	6 Kg	01-BR3-08				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
871mm	21Kg	φ 82mm	API2 3/8"REG	BR3	φ 90- φ 115mm
适用气压 Work Pressure		推荐转速 Recommended rotation speed		耗风量 / Air Consumption	
				1.0Mpa	1.5Mpa
1.0-1.7 Mpa		30-50 r/min		4m ³ /min	7m ³ /min

N3

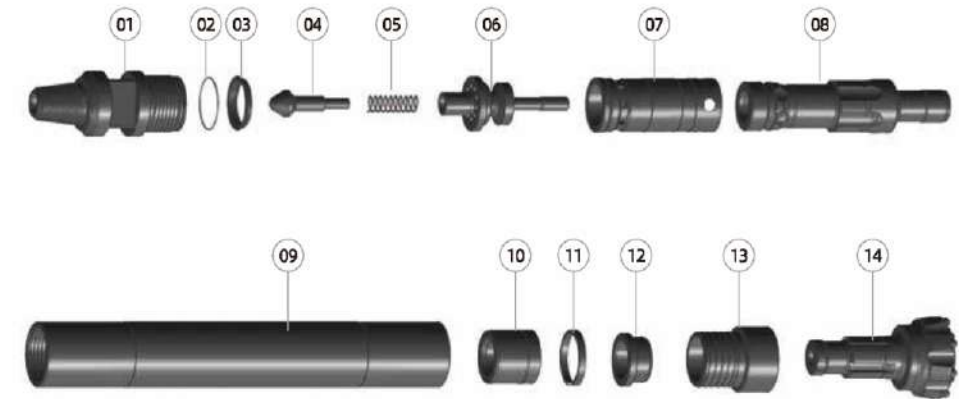


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	3.55 Kg	01-N3-01	07	活塞 Piston	4.7 Kg	01-N3-07
02	O形圈 "O"Ring	0.01 Kg	01-N3-02	08	外缸 Piston Case	7.5 Kg	01-N3-08
03	逆止阀 Check Valve	0.12 Kg	01-N3-03	09	衬套 Guided Sleeve	0.9 Kg	01-N3-09
04	弹簧 Spring	0.01 Kg	01-N3-04	10	卡环 Retainer Ring	0.2 Kg	01-N3-10
05	配气座 Valve Seat	0.7 Kg	01-N3-05	11	卡钎套 Drive Chuckk	1.75 Kg	01-N3-11
06	内缸 Inner Cylinder	1 Kg	01-N3-06	12	钻头 Drill Bit		01-N3-12

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
771.5mm	20.5Kg	φ 80mm	T48X10	N3	φ 87- φ 110mm
适用气压 Work Pressure				耗风量/Air Consumption	
				1.0Mpa	1.5Mpa
0.8-1.7 Mpa				30-60 r/min	5m ³ /min 7m ³ /min

N4

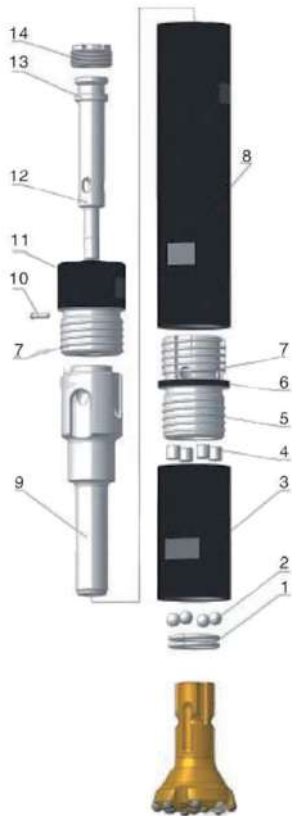


Ref.	部件 Parts	单重 Weight	件号 Part No.	Ref.	部件 Parts	单重 Weight	件号 Part No.
01	接头 Top Sub	6.65 Kg	01-N4-01	09	外缸 Piston Case	12.1 Kg	01-N4-09
02	O形圈 "O"Ring	0.01 KG	01-N4-02	10	衬套 Guided Sleeve	1.6 Kg	01-N4-10
03	承压垫 Bearing Pad	0.12 Kg	01-N4-03	11	挡圈 Retaining Ring	0.1 Kg	01-N4-11
04	逆止阀 Check Valve	0.41 Kg	01-N4-04	12	卡环 Retainer Ring	0.5 Kg	01-N4-12
05	弹簧 Spring	0.05 Kg	01-N4-05	13	卡钎套 Drive Chuckk	2.9 Kg	01-N4-13
06	配气座 Valve Seat	1.4 Kg	01-N4-06	14	钻头 Drill Bit		01-N4-14
07	内缸 Inner Cylinder	1.4 Kg	01-N4-07				
08	活塞 Piston	7.8 Kg	01-N4-08				

技术参数 / Technical Parameters

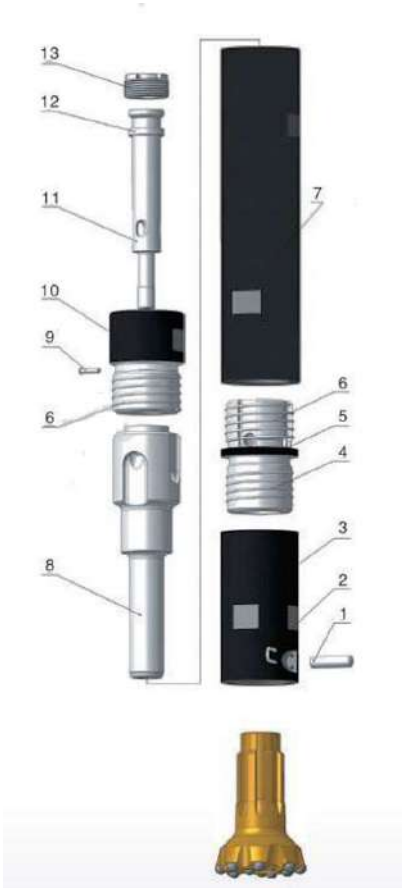
总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
856mm	35Kg	φ 100mm	API2 3/8"REG	N4	φ 108- φ 135mm
适用气压 Work Pressure				耗风量/Air Consumption	
				1.0Mpa	1.5Mpa
0.8-1.9 Mpa				30-60 r/min	5.5m ³ /min 9m ³ /min

LOW AIR PRESSURE HAMMERS
110P-2.8KW (Bayonet)



Product Data	
Hammer Length without bit	662 mm
Top sub thread	F72x10 BOX
Outside diameter	98 mm
Weight	24 kg
Bit diameter	110-140 mm
Working pressure	7-11 Bar
Air consumption	7-12 m³/min
Bit shank	KNSH-110

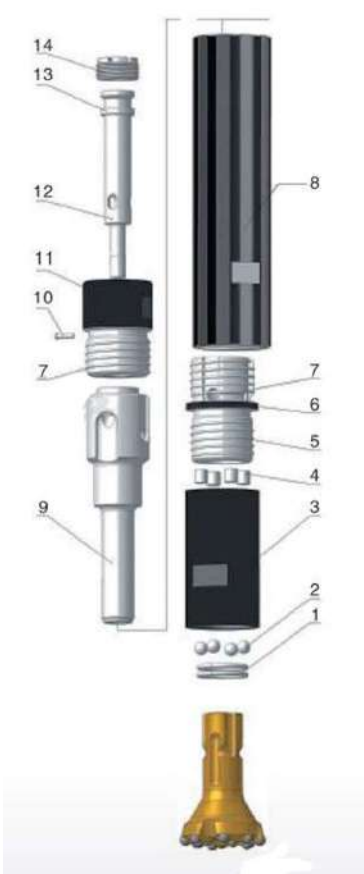
No.	Part Name	Part No.	No.	Part Name	Part No.
1	Retainer Ring	110P-B-01	9	Piston	110P-B-09
2	Ball	110P-B-02	10	Retainer	110P-B-10
3	Driver Sub	110P-B-03	11	Top Sub	110P-B-11
4	Roller	110P-B-04	12	Air Distribution Tube	110P-B-12
5	Thread	110P-B-05	13	Seat	110P-B-13
6	Guide Sleeve	110P-B-06	14	Adjusting Nut	110P-B-14
7	Thread	110P-B-07			
8	Outer Sleeve	110P-B-08			



LOW AIR PRESSURE HAMMERS
110P-2.8KW (Spline)

Product Data	
Hammer Length without bit	670 mm
Top sub thread	F72x10 BOX
Outside diameter	98 mm
Weight	25.5 kg
Bit diameter	110-140 mm
Working pressure	7-11 Bar
Air consumption	7-12 m³/min
Bit shank	KNSH-110

No.	Part Name	Part No.	No.	Part Name	Part No.
1	Pin	110P-S-01	9	Piston Retainer	110P-S-09
2	Bracket	110P-S-02	10	Top Sub	110P-S-10
3	Driver Sub	110P-S-03	11	Air Distribution Tube	110P-S-11
4	Thread	110P-S-04	12	Seat	110P-S-12
5	Guide Sleeve	110P-S-05	13	Adjusting Nut	110P-S-13
6	Thread	110P-S-06			
7	Outer Sleeve	110P-S-07			
8	Piston	110P-S-08			

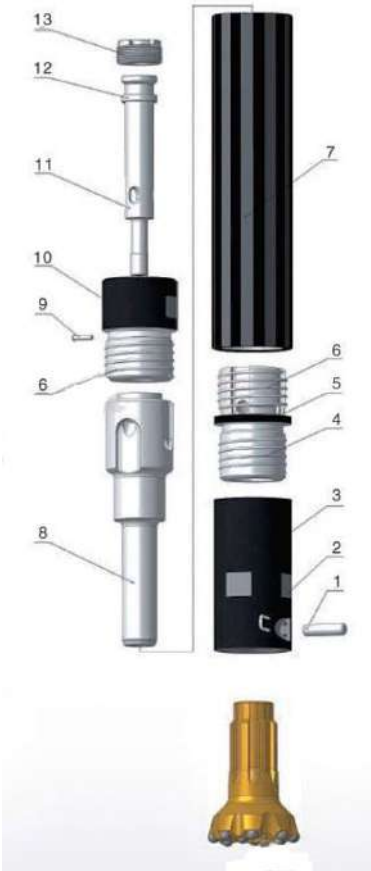


LOW AIR PRESSURE HAMMERS

110P-3.2KW (Bayonet)

Product Data	
Hammer Length without bit	672 mm
Top sub thread	F72x10 BOX
Outside diameter	103x98 mm
Weight	25.6 kg
Bit diameter	110-140 mm
Working pressure	7-11 Bar
Air consumption	7-12 m³/min
Bit shank	KNSH-110

No.	Part Name	Part No.	No.	Part Name	Part No.
1	Retainer Ring	110P-B-01	9	Piston	110P-B-09
2	Ball	110P-B-02	10	Retainer	110P-B-10
3	Driver Sub	110P-B-03	11	Top Sub	110P-B-11
4	Roller	110P-B-04	12	Air Distribution Tube	110P-B-12
5	Thread	110P-B-05	13	Seat	110P-B-13
6	Guide Sleeve	110P-B-06	14	Adjusting Nut	110P-B-14
7	Thread	110P-B-07			
8	Outer Sleeve	110P-B-08			



LOW AIR PRESSURE HAMMERS

110P-3.2KW (Spline)

Product Data	
Hammer Length without bit	681 mm
Top sub thread	F72x10 BOX
Outside diameter	103x98 mm
Weight	26 kg
Bit diameter	110-140 mm
Working pressure	7-11 Bar
Air consumption	7-12 m³/min
Bit shank	KNSH-110

No.	Part Name	Part No.	No.	Part Name	Part No.
1	Pin	110P-S-01	9	Piston Retainer	110P-S-09
2	Bracket	110P-S-02	10	Top Sub	110P-S-10
3	Driver Sub	110P-S-03	11	Air Distribution Tube	110P-S-11
4	Thread	110P-S-04	12	Seat	110P-S-12
5	Guide Sleeve	110P-S-05	13	Adjusting Nut	110P-S-13
6	Thread	110P-S-06			
7	Outer Sleeve	110P-S-07			
8	Piston	110P-S-08			



02

DTH DRILL BITS DOWN THE HOLE BITS



The Application of DTH Hammer

DTH hammers and bits are widely used in quarrying, mining, water well drilling, construction, and blast hole drilling. It is suitable for drilling in various hard and abrasive rock formations.

Advantages of DTH Drill Bits

- ✓ High penetration rate and drilling efficiency.
- ✓ Superior wear resistance and long service life.
- ✓ Down-the-hole design for straight and accurate drilling.
- ✓ Various bit diameters and designs for different drilling conditions.
- ✓ High-quality steel and premium carbide buttons ensure reliable performance.
- ✓ Optimized flushing design for better cuttings removal and higher drilling speed.

Advantages of New Diamond Dives Drilling

- ✓ Suitable for medium to very hard and very abrasive formations.
- ✓ High drilling efficiency, fast drilling rate.
- ✓ High drilling accuracy, the drill holes have less deviation, less roundness, and good straightness.
- ✓ Low air consumption.
- ✓ We adopt high-quality new diamond materials and advanced heat treatment technology for longer life.
- ✓ High wear resistance and impact resistance.
- ✓ With excellent service life, the product passes the hardest quality testing, such as impact test, abrasion test, hardness test, and metallographic microscope test.

Drill Bit Design

Flat Face Drill Bit	Convex Face Drill Bit	Concave Face Drill Bit
		
Extreme-Convex Face Drill Bit	Double Gauge Face Drill Bit	Drop-Center Face Drill Bit
		
Low Air Pressure Bit Design	High Blast Design	QL DTH Bit
		

Drill Bit Characteristics

Flat Face

This flat face is suitable for drilling very hard rock formations and abrasive wear formations of low to medium, when the hole is drilling, the faster the drilling speed, the less wear of the drill body.

Concave Face

This concave face is suitable for all rock formations, especially in medium-hard and homogeneous rock formations, the effect is good. The blast hole deviation is small, and the slag discharge effect is good.

Drop Center

When using low-medium pressure to drill soft-medium hard and fractured rock formations, in order to obtain fast rock drilling speed and less blast hole slope, this face shape is usually used.

Convex Face

This convex face is suitable for low- to medium-pressure drilling of soft-medium hard rock formations, and the drill block is not easy to corrode. The characteristics of this design are the low load of the side button, the wear is not heavy, and the drilling speed is fast.

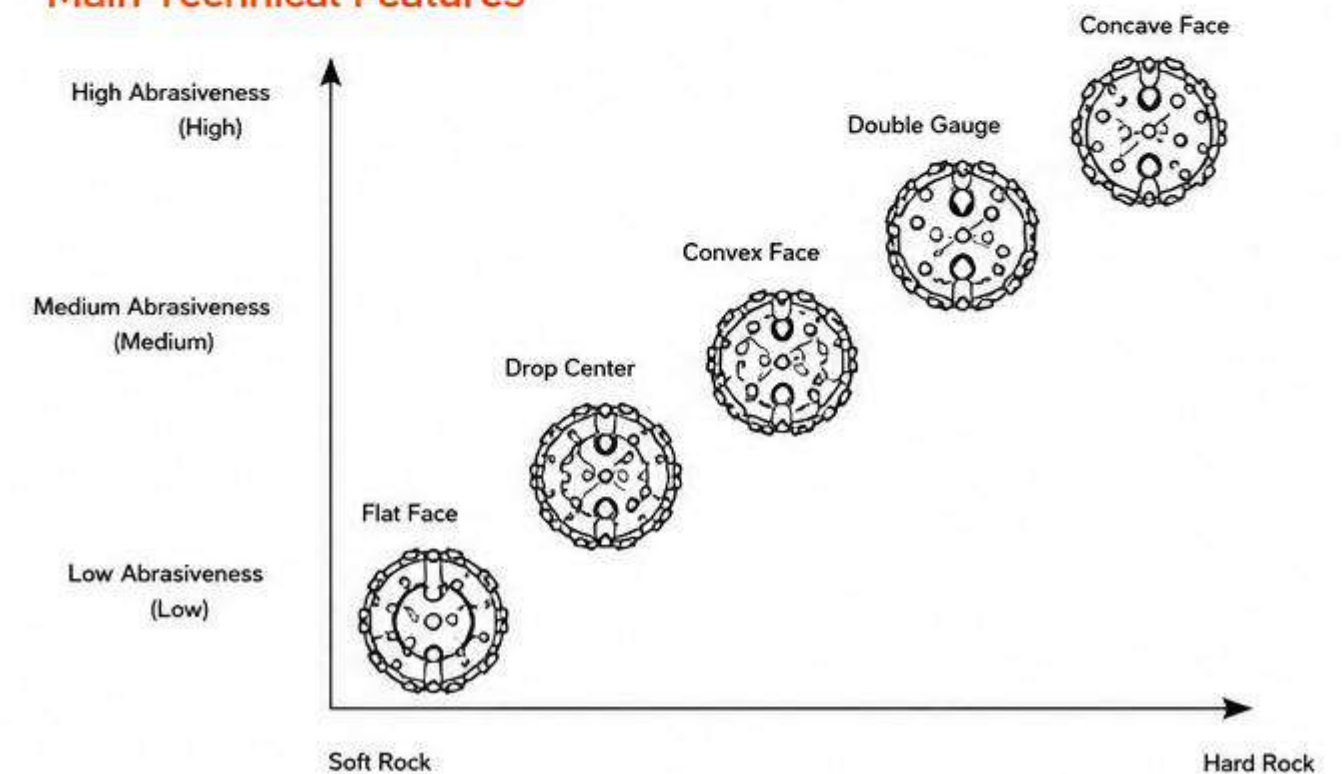
Double Gauge Face

This double-sided button face is suitable for drilling very hard rock formations at high air pressures, when the bit is drilling, drilling speed is fast, the bit body wear will also be less.

Carbide Button Shape Selection

Tooth Profile	Product Name	Application
Dome Button		Dome-shaped buttons are usually used in gauge locations of DTH bits, suitable for very abrasive and very hard formations.
Parabolic Button		Parabolic buttons are usually used at gauge locations and front buttons of DTH bits, suitable for medium abrasive and very hard formations.
Ballistic Button		Ballistic buttons are usually used at front buttons of the bits, suitable for medium abrasive and medium hard formations. They can also be used as gauge locations.
Sharp Button		Sharp buttons are usually used in soft formations of DTH bits for soft formations, suitable for high-arsenical applications with straight and smooth.
Flat Button		Flat buttons are usually used as protection buttons to reduce wear on rubbing surface of DTH bits.

Main Technical Features



High Air Pressure DTH Drill Bit

SP系列钻头 / SP Shank Drill Bits

钻头规格 Specifications	头部规格 Specification		钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
	头部形状 Head Shape						齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	

SP35A										
	平面 Flat Face	90	150	6	2	球齿+弹头齿 Domed+Ballistic	6XØ14	5XØ12		4.3
	平面 Flat Face	95	150	6	2	球齿+弹头齿 Domed+Ballistic	6XØ14	5XØ12		4.4
	平面 Flat Face	100	150	6	2	球齿+弹头齿 Domed+Ballistic	6XØ14	6XØ12		4.6
	平面 Flat Face	108	150	6	2	球齿+弹头齿 Domed+Ballistic	8XØ13	6XØ12		4.9

SP480										
	凸面 Convex Face	108	165	10	2	球齿+弹头齿 Domed+Ballistic	7XØ16	6XØ14		7.3
	凸面 Convex Face	115	165	10	2	球齿+弹头齿 Domed+Ballistic	7XØ16	6XØ14		7.7
	凸面 Convex Face	127	165	10	2	球齿+弹头齿 Domed+Ballistic	8XØ16	4XØ14+3XØ13		8.7
	凸面 Convex Face	130	165	10	2	球齿+弹头齿 Domed+Ballistic	8XØ16	4XØ14+3XØ13		8.8

SP580										
	凸面 Convex Face	140	185	10	2	球齿+弹头齿 Domed+Ballistic	7XØ18	4XØ15+3XØ14		13.2
	平面 Flat Face	146	185	10	2	球齿 Domed	8XØ18	8XØ14		13.9
	平面 Flat Face	152	185	10	2	球齿+弹头齿 Domed+Ballistic	8XØ18	8XØ14		14.3
	平面 Flat Face	165	185	10	2	球齿+弹头齿 Domed+Ballistic	8XØ18	9XØ14		16.3
	凹面 Concave Face	178	185	10	2	球齿 Domed	8XØ18	6XØ16+5XØ14		17.8

SP680										
	凹面 Concave Face	154	231	12	2	球齿 Domed	8XØ18	4XØ16+4XØ15		21.6
	平面 Flat Face	165	231	12	2	球齿+弹头齿 Domed+Ballistic	8XØ18	8XØ16		21.8
	凹面 Concave Face	171	231	12	2	球齿 Domed	8XØ18	6XØ16+4XØ15		23.3
	凹面 Concave Face	178	231	12	2	球齿 Domed	8XØ18	6XØ16+5XØ15		24.3
	凹面 Concave Face	190	231	12	3	球齿 Domed	9XØ18	6XØ16+5XØ15		25.5
	凹面 Concave Face	203	231	12	2	球齿 Domed	10XØ18	8XØ16+6XØ15		28.7

SP780										
	凹面 Concave Face	190	220	10	3	球齿 Domed	9XØ18	6XØ16+5XØ15		29.5
	凹面 Concave Face	195	220	10	3	球齿 Domed	9XØ18	6XØ16+5XØ15		30.3
	凹面 Concave Face	203	220	10	2	球齿 Domed	10XØ18	8XØ16+6XØ15		31.5

SP781										
	凹面 Concave Face	190	250	8	3	球齿 Domed	9XØ18	6XØ16+5XØ15		29.5
	凹面 Concave Face	195	250	8	3	球齿 Domed	9XØ18	6XØ16+5XØ15		30.7
	凹面 Concave Face	203	250	8	2	球齿 Domed	10XØ18	8XØ16+6XØ15		32

SP系列钻头 / SP Shank Drill Bits

钻头规格 Specifications	头部规格 Specification		钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (kg)
	头部形状 Head Shape						齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	

SP882										
	凹面 Concave Face	203	260	12	2	球齿 Domed	10XØ18	4XØ18+10XØ16		43.5
	凹面 Concave Face	216	260	12	2	球齿 Domed	10XØ18	4XØ18+10XØ16		47
	凹面 Concave Face	230	260	12	2	球齿 Domed	12XØ18	12XØ18+6XØ16		50
	凹面 Concave Face	235	260	12	2	球齿 Domed	12XØ18	12XØ18+6XØ16		50.5
	凹面 Concave Face	254	260	12	2	球齿 Domed	12XØ18	12XØ18+8XØ16		57.5
	凸凹面 Convex-Concave Face	275	260	12	2	球齿 Domed	12XØ18	8XØ16+19XØ16		64
	凸凹面 Convex-Concave Face	305	260	12	3	球齿 Domed	15XØ18	12XØ16+23XØ16		72.5

SP1080										
	凸凹面 Convex-Concave Face	254	310	12	2	球齿 Domed	12XØ19	8XØ18+19XØ16		82.5
	凸凹面 Convex-Concave Face	275	310	12	2	球齿 Domed	12XØ19	8XØ18+20XØ16		87
	凸凹面 Convex-Concave Face	305	310	12	3	球齿 Domed	15XØ19	27XØ18+8XØ16		97
	凸凹面 Convex-Concave Face	325	310	12	3	球齿 Domed	15XØ19	27XØ18+9XØ16		105
	凸凹面 Convex-Concave Face	350	310	12	4	球齿 Domed	16XØ19	32XØ18+14XØ16		115
	凸凹面 Convex-Concave Face	400	310	12	4	球齿 Domed	16XØ19	40XØ18+25XØ16		140

SP1280										
	凸凹面 Convex-Concave Face	305	375	12	3	球齿 Domed	15XØ20	27XØ18+8XØ16		140.5
	凸凹面 Convex-Concave Face	311	375	12	3	球齿 Domed	15XØ20	27XØ18+8XØ16		141
	凸凹面 Convex-Concave Face	325	375	12	3	球齿 Domed	15XØ20	27XØ18+9XØ16		150
	凸凹面 Convex-Concave Face	350	375	12	4	球齿 Domed	16XØ20	32XØ18+13XØ16		168
	凸凹面 Convex-Concave Face	381	375	12	4	球齿 Domed	16XØ20	36XØ18+18XØ16		178
	凸凹面 Convex-Concave Face	400	375	12	4	球齿 Domed	16XØ20	40XØ18+28XØ16		193.5
	凸凹面 Convex-Concave Face	445	375	12	4	球齿 Domed	20XØ20	48XØ18+25XØ16		231.5
	凸凹面 Convex-Concave Face	500	375	12	4	球齿 Domed	24XØ20	90XØ18		287

SP1480										
	双边齿凹面 Double gauge button concave face	450	405	12	4	球齿 Domed	20XØ20	16XØ19+57XØ18		291.5
	双边齿凹面 Double gauge button concave face	500	405	12	4	球齿 Domed	24XØ20	16XØ19+73XØ18		340
	双边齿凹面 Double gauge button concave face	550	405	12	4	球齿 Domed	24XØ20	16XØ19+79XØ18		397
	双边齿凹面 Double gauge button concave face	600	405	12	4	球齿 Domed	24XØ20	16XØ19+96XØ18		469

DHD系列钻头/ DHD Shank Drill Bits

钻头规格 Specifications	头部规格 Specification	钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
						齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	



HD25A

平面 Flat Face	76	174	6	2	弹头齿 Ballistic	6XØ14	4XØ11	3.2
平面 Flat Face	80	174	6	2	弹头齿 Ballistic	6XØ14	4XØ11	3.3
平面 Flat Face	85	174	6	2	弹头齿 Ballistic	6XØ14	4XØ12	3.4
平面 Flat Face	90	174	6	2	弹头齿 Ballistic	6XØ14	4XØ12	3.6



DHD3.5

平面 Flat Face	90	180	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.7
平面 Flat Face	95	180	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.8
平面 Flat Face	100	180	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	6XØ12	4.9
平面 Flat Face	108	180	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ13	6XØ12	5.4



DHD3.5A

平面 Flat Face	90	180	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.7
平面 Flat Face	95	180	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.8
平面 Flat Face	100	180	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	6XØ12	4.9
平面 Flat Face	108	180	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ13	6XØ12	5.4



DHD340

凸面 Convex Face	108	209	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	7.85
凸面 Convex Face	115	209	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	8.22
凸面 Convex Face	127	209	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	8.88
凸面 Convex Face	130	209	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	9.15



DHD340A

凸面 Convex Face	108	209	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	7.85
凸面 Convex Face	115	209	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	8.22
凸面 Convex Face	127	209	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	8.88
凸面 Convex Face	130	209	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	9.15



DHD350

凸面 Convex Face	140	260	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ18	4XØ15+3XØ14	15.8
平面 Flat Face	146	260	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	16.5
平面 Flat Face	152	260	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	17
凹面 Concave Face	165	260	8	2	球齿 Spherical	8XØ18	4XØ16+4XØ14	18.9
凹面 Concave Face	178	260	8	2	球齿 Spherical	8XØ18	6XØ16+5XØ14	20.4



DHD350A

凸面 Convex Face	140	260	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ18	4XØ15+3XØ14	15.8
平面 Flat Face	146	260	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	16.5
平面 Flat Face	152	260	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	17
凹面 Concave Face	165	260	8	2	球齿 Spherical	8XØ18	4XØ16+4XØ14	18.9
凹面 Concave Face	178	260	8	2	球齿 Spherical	8XØ18	6XØ16+5XØ14	20.4



DHD350S

凸面 Convex Face	127	260	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	6XØ16	14.5
凸面 Convex Face	130	260	8	3	球齿+弹头齿 Spherical+Ballistic	9XØ16	6XØ15+4XØ14	14.7



DHD360

凹面 Concave Face	154	308.5	8	2	球齿 Domed	8XØ18	4XØ16+4XØ15	22.5
平面 Flat Face	165	308.5	8	2	球齿 Domed	8XØ18	8XØ16	23.6
凹面 Concave Face	171	308.5	8	2	球齿 Domed	8XØ18	6XØ16+4XØ15	25.2
凹面 Concave Face	178	308.5	8	2	球齿 Domed	8XØ18	6XØ16+5XØ15	26.1
凹面 Concave Face	190	308.5	8	3	球齿 Domed	9XØ18	6XØ16+5XØ15	29
凹面 Concave Face	203	308.5	8	2	球齿 Domed	10XØ18	8XØ16+6XØ15	30.4



DHD360A

凹面 Concave Face	154	308.5	8	2	球齿 Domed	8XØ18	4XØ16+4XØ15	22.5
平面 Flat Face	165	308.5	8	2	球齿 Domed	8XØ18	8XØ16	23.6
凹面 Concave Face	171	308.5	8	2	球齿 Domed	8XØ18	6XØ16+4XØ15	25.2
凹面 Concave Face	178	308.5	8	2	球齿 Domed	8XØ18	6XØ16+5XØ15	26.1
凹面 Concave Face	190	308.5	8	3	球齿 Domed	9XØ18	6XØ16+5XØ15	29
凹面 Concave Face	203	308.5	8	2	球齿 Domed	10XØ18	8XØ16+6XØ15	30.4



DHD380

凹面 Concave Face	203	350	10	2	球齿 Domed	10XØ18	4XØ18+10XØ16	48.5
凹面 Concave Face	216	350	10	2	球齿 Domed	10XØ18	4XØ18+10XØ16	52.1
凹面 Concave Face	230	350	10	2	球齿 Domed	12XØ18	12XØ18+6XØ16	54.8
凹面 Concave Face	235	350	10	2	球齿 Domed	12XØ18	12XØ18+6XØ16	55.5
凹面 Concave Face	254	350	10	2	球齿 Domed	12XØ18	12XØ18+8XØ16	62.4
凸凹面 Convex- Concave Face	275	350	10	2	球齿 Domed	12XØ18	27XØ16	69
凸凹面 Convex- Concave Face	305	350	10	3	球齿 Domed	15XØ18	35XØ16	77.6



DHD380A

凹面 Concave Face	203	350	10	2	球齿 Domed	10XØ18	4XØ18+10XØ16	48.5
凹面 Concave Face	216	350	10	2	球齿 Domed	10XØ18	4XØ18+10XØ16	52.1
凹面 Concave Face	230	350	10	2	球齿 Domed	12XØ18	12XØ18+6XØ16	54.8
凹面 Concave Face	235	350	10	2	球齿 Domed	12XØ18	12XØ18+6XØ16	55.5
凹面 Concave Face	254	350	10	2	球齿 Domed	12XØ18	12XØ18+8XØ16	62.4
凸凹面 Convex- Concave Face	275	350	10	2	球齿 Domed	12XØ18	8XØ16+19XØ16	69
凸凹面 Convex- Concave Face	305	350	10	3	球齿 Domed	15XØ18	12XØ16+23XØ16	77.6



DHD1120

凸凹面 Convex- Concave Face	305	490	8	3	球齿 Domed	15XØ20	27XØ18+8XØ16	141.3
凸凹面 Convex- Concave Face	311	490	8	3	球齿 Domed	15XØ20	27XØ18+8XØ16	141.6
凸凹面 Convex- Concave Face	325	490	8	3	球齿 Domed	15XØ20	27XØ18+9XØ16	164.3
凸凹面 Convex- Concave Face	350	490	8	4	球齿 Domed	16XØ20	32XØ18+13XØ16	169.1
凸凹面 Convex- Concave Face	381	490	8	4	球齿 Domed	16XØ20	36XØ18+18XØ16	183
凸凹面 Convex- Concave Face	400	490	8	4	球齿 Domed	16XØ20	40XØ18+28XØ16	194
凸凹面 Convex- Concave Face	445	490	8	4	球齿 Domed	20XØ20	48XØ18+25XØ16	225.7
凸凹面 Convex- Concave Face	500	490	8	4	球齿 Domed	24XØ20	90XØ18	331.2

QL系列钻头/ QL Shank Drill Bits

钻头规格 Specifications	头部规格 Specification		钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
	头部形状 Head Shape	齿型 Button Type (选配件 Optional)					边齿 Gauge Buttons	芯齿 Front buttons		
QL40										
	凸面 Convex Face	球齿+弹头齿 Domed+Ballistic	108	280	10	2	7XØ16	6XØ14	9.42	
	凸面 Convex face	球齿+弹头齿 Domed+Ballistic	115	280	10	2	7XØ16	6XØ14	9.5	
	凸面 Convex face	球齿+弹头齿 Domed+Ballistic	127	280	10	2	8XØ16	4XØ14+3XØ13	10.7	
	凸面 Convex face	球齿+弹头齿 Domed+Ballistic	130	280	10	2	8XØ16	4XØ14+3XØ13	10.9	
QL40A										
	凸面 Convex Face	球齿+弹头齿 Domed+Ballistic	108	280	10	2	7XØ16	6XØ14	9.42	
	凸面 Convex Face	球齿+弹头齿 Domed+Ballistic	115	280	10	2	7XØ16	6XØ14	9.5	
	凸面 Convex Face	球齿+弹头齿 Domed+Ballistic	127	280	10	2	8XØ16	4XØ14+3XØ13	10.7	
	凸面 Convex Face	球齿+弹头齿 Domed+Ballistic	130	280	10	2	8XØ16	4XØ14+3XØ13	10.9	
QL50										
	凸面 Convex Face	球齿+弹头齿 Domed+Ballistic	140	240	12	a2	7XØ18	4XØ15+3XØ14	15.3	
	平面 Flat Face	球齿+弹头齿 Domed+Ballistic	146	240	12	2	8XØ18	8XØ14	16	
	平面 Flat Face	球齿+弹头齿 Domed+Ballistic	152	240	12	2	8XØ18	8XØ14	16.5	
	凹面 Concave Face	球齿 Domed	165	240	12	2	8XØ18	4XØ16+4XØ14	18.5	
	凹面 Concave Face	球齿 Domed	178	240	12	2	8XØ18	6XØ16+5XØ14	20	
QL50A										
	凸面 Convex Face	球齿+弹头齿 Domed+Ballistic	140	240	12	2	7XØ18	4XØ15+3XØ14	15.3	
	平面 Flat Face	球齿+弹头齿 Domed+Ballistic	146	240	12	2	8XØ18	8XØ14	16	
	平面 Flat Face	球齿+弹头齿 Domed+Ballistic	152	240	12	2	8XØ18	8XØ14	16.5	
	凹面 Concave Face	球齿 Domed	165	240	12	2	8XØ18	4XØ16+4XØ14	18.5	
	凹面 Concave Face	球齿 Domed	178	240	12	2	8XØ18	6XØ16+5XØ14	20	
QL60										
	凹面 Concave Face	球齿 Domed	154	253	12	2	8XØ18	4XØ16+4XØ15	22.5	
	平面 Flat Face	球齿 Domed	165	253	12	2	8XØ18	8XØ16	23	
	凹面 Concave Face	球齿 Domed	171	253	12	2	8XØ18	6XØ16+4XØ15	24.4	
	凹面 Concave Face	球齿 Domed	178	253	12	2	8XØ18	6XØ16+5XØ15	25.3	
	凹面 Concave Face	球齿 Domed	190	253	12	3	9XØ18	6XØ16+5XØ15	26.5	
	凹面 Concave Face	球齿 Domed	203	253	12	2	10XØ18	8XØ16+6XØ15	29.7	
QL680										
	凹面 Concave Face	球齿 Domed	154	253	12	2	8XØ18	4XØ16+4XØ15	22.5	
	平面 Flat Face	球齿 Domed	165	253	12	2	8XØ18	8XØ16	23	
	凹面 Concave Face	球齿 Domed	171	253	12	2	8XØ18	6XØ16+4XØ15	24.4	
	凹面 Concave Face	球齿 Domed	178	253	12	2	8XØ18	6XØ16+5XØ15	25.3	
	凹面 Concave Face	球齿 Domed	190	253	12	3	9XØ18	6XØ16+5XØ15	26.5	
	凹面 Concave Face	球齿 Domed	203	253	12	2	10XØ18	8XØ16+6XØ15	29.7	



QL80

凹面 Concave Face	203	331	16	2	球齿 Domed	10XØ18	4XØ18+10XØ16	48.2
凹面 Concave Face	216	331	16	2	球齿 Domed	10XØ18	4XØ18+10XØ16	51.9
凹面 Concave Face	230	331	16	2	球齿 Domed	12XØ18	12XØ18+6XØ16	54.7
凹面 Concave Face	235	331	16	2	球齿 Domed	12XØ18	12XØ18+6XØ16	55.3
凹面 Concave Face	254	331	16	2	球齿 Domed	12XØ18	12XØ18+8XØ16	62.2
凸凹面 Convex- Concave Face	275	331	16	2	球齿 Domed	12XØ18	8XØ16+19XØ16	68.8
凸凹面 Convex- Concave Face	305	331	16	3	球齿 Domed	15XØ18	12XØ16+23XØ16	77.3



QL880

凹面 Concave Face	203	331	16	2	球齿 Domed	10XØ18	4XØ18+10XØ16	48.2
凹面 Concave Face	216	331	16	2	球齿 Domed	10XØ18	4XØ18+10XØ16	51.9
凹面 Concave Face	230	331	16	2	球齿 Domed	12XØ18	12XØ18+6XØ16	54.7
凹面 Concave Face	235	331	16	2	球齿 Domed	12XØ18	12XØ18+6XØ16	55.3
凹面 Concave Face	254	331	16	2	球齿 Domed	12XØ18	12XØ18+8XØ16	62.2
凸凹面 Convex- Concave Face	275	331	16	2	球齿 Domed	12XØ18	8XØ16+19XØ16	68.8
凸凹面 Convex- Concave Face	305	331	16	3	球齿 Domed	15XØ18	12XØ16+23XØ16	77.3

NUMA系列钻头/ Numa Shank Drill Bits

钻头规格 Specifications	头部规格 Specification		钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
	头部形状 Head Shape	齿型 Button Type (选配件 Optional)					边齿 Gauge Buttons	芯齿 Front buttons		
NUMA100										
	凸凹面 Convex- Concave Face	球齿 Domed	254	375	10	2	12XØ19	8XØ18+19XØ16	89	
	凸凹面 Convex- Concave Face	球齿 Domed	275	375	10	2	12XØ19	8XØ18+20XØ16	93.5	
	凸凹面 Convex- Concave Face	球齿 Domed	305	375	10	3	15XØ19	27XØ18+8XØ16	103.5	
	凸凹面 Convex- Concave Face	球齿 Domed	325	375	10	3	15XØ19	27XØ18+9XØ16	112	
	凸凹面 Convex- Concave Face	球齿 Domed	350	375	10	4	16XØ19	32XØ18+14XØ16	121	
	凸凹面 Convex- Concave Face	球齿 Domed	400	375	10	4	16XØ19	40XØ18+25XØ16	146.5	
NUMA100A										
	凸凹面 Convex- Concave Face	球齿 Domed	254	375	10	2	12XØ19	8XØ18+19XØ16	89	
	凸凹面 Convex- Concave Face	球齿 Domed	275	375	10	2	12XØ19	8XØ18+20XØ16	93.5	
	凸凹面 Convex- Concave Face	球齿 Domed	305	375	10	3	15XØ19	27XØ18+8XØ16	103.5	
	凸凹面 Convex- Concave Face	球齿 Domed	325	375	10	3	15XØ19	27XØ18+9XØ16	112	
	凸凹面 Convex- Concave Face	球齿 Domed	350	375	10	4	16XØ19	32XØ18+14XØ16	121	
	凸凹面 Convex- Concave Face	球齿 Domed	400	375	10	4	16XØ19	40XØ18+25XØ16	146.5	
N125										
	凸凹面 Convex- Concave Face	球齿 Domed	305	491	10	3	15XØ20	27XØ18+8XØ16	175.5	
	凸凹面 Convex- Concave Face	球齿 Domed	311	491	10	3	15XØ20	27XØ18+8XØ16	176	
	凸凹面 Convex- Concave Face	球齿 Domed	325	491	10	3	15XØ20	27XØ18+9XØ16	185	
	凸凹面 Convex- Concave Face	球齿 Domed	350	491	10	4	16XØ20	32XØ18+13XØ16	200	
	凸凹面 Convex- Concave Face	球齿 Domed	381	491	10	4	16XØ20	36XØ18+18XØ16	213	
	凸凹面 Convex- Concave Face	球齿 Dome	400	491	10	4	16XØ20	40XØ18+28XØ16	228.5	
	凸凹面 Convex- Concave Face	球齿 Domed	445	491	10	4	20XØ20	48XØ18+25XØ16	266.5	
	凸凹面 Convex- Concave Face	球齿 Domedd	500	491	10	4	24XØ20	90XØ18	322	

W系列潜孔钻头 / W Shank Drill Bits

头部规格 Specification		钻头形状 Head Shape	钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
钻头规格 Specifications							齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
NK90										
 	平面 Flat Face	90	130	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4	
	平面 Flat Face	95	130	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.15	
	平面 Flat Face	100	130	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	6XØ12	4.3	
	平面 Flat Face	108	130	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ13	6XØ12	4.7	
WK40										
 	凸面 Convex Face	108	143	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	6.5	
	凸面 Convex face	115	143	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	6.9	
	凸面 Convex face	127	143	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	7.8	
	凸面 Convex face	130	143	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	8	
WK50										
 	凸面 Convex Face	140	170	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ18	4XØ15+3XØ14	12.6	
	平面 Flat Face	146	170	8	2	球齿 Domed	8XØ18	8XØ14	13.3	
	平面 Flat Face	152	170	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	13.8	
	平面 Flat Face	165	170	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	9XØ14	15.8	
	凹面 Concave Face	178	170	8	2	球齿 Domed	8XØ18	6XØ16+5XØ14	17.2	
WK60										
 	凹面 Concave Face	154	200	10	2	球齿 Domed	8XØ18	4XØ16+4XØ15	19.6	
	平面 Flat Face	165	200	10	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ16	19.8	
	凹面 Concave Face	171	200	10	2	球齿 Domed	8XØ18	6XØ16+4XØ15	21.3	
	凹面 Concave Face	178	200	10	2	球齿 Domed	8XØ18	6XØ16+5XØ15	22.3	
	凹面 Concave Face	190	200	10	2	球齿 Domed	9XØ18	6XØ16+5XØ15	23.5	
	凹面 Concave Face	203	200	10	2	球齿 Domed	10XØ18	8XØ16+6XØ15	26.7	

Mission系列钻头 / Mission Shank Drill Bits

钻头规格 Specifications	头部规格 Specification Head Shape	钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
						齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
Mission30									
 	平面 Flat Face	90	225	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.8
	平面 Flat Face	95	225	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.9
	平面 Flat Face	100	225	8	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	6XØ12	5.1
	平面 Flat Face	108	225	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ13	6XØ12	5.4
Mission40									
 	凸面 Convex Face	108	228	12	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	7.8
	凸面 Convex Face	115	228	12	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	8.2
	凸面 Convex Face	127	228	12	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	9.2
	凸面 Convex Face	130	228	12	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	9.3
Mission50									
 	凸面 Convex Face	140	260	12	2	球齿+弹头齿 Spherical+Ballistic	7XØ18	4XØ15+3XØ14	13.9
	平面 Flat Face	146	260	12	2	球齿 Spherical	8XØ18	8XØ14	14.6
	平面 Flat Face	152	260	12	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	15
	平面 Flat Face	165	260	12	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	9XØ14	17
	凹面 Concave Face	178	260	12	2	球齿 Spherical	8XØ18	6XØ16+5XØ14	18.5
HM5C									
 	凹面 Concave Face	140	231	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ18	4XØ15+3XØ14	12.7
	平面 Flat Face	146	231	8	2	球齿 Spherical	8XØ18	8XØ14	13.4
	平面 Flat Face	152	231	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	13.8
	平面 Flat Face	165	231	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	9XØ14	15.8
	凹面 Concave Face	178	231	8	2	球齿 Spherical	8XØ18	6XØ16+5XØ14	17.3
Mission60									
 	凹面 Concave Face	154	231	12	2	球齿 Spherical	8XØ18	4XØ16+4XØ15	20.3
	平面 Flat Face	165	231	12	2	球齿 Spherical	8XØ18	8XØ16	20.5
	凹面 Concave Face	171	231	12	2	球齿 Spherical	8XØ18	6XØ16+4XØ15	22
	凹面 Concave Face	178	231	12	2	球齿 Spherical	8XØ18	6XØ16+5XØ15	23
	凹面 Concave Face	190	231	12	3	球齿 Spherical	9XØ18	6XØ16+5XØ15	24
	凹面 Concave Face	203	231	12	2	球齿 Spherical	10XØ18	8XØ16+6XØ15	27.3
Mission80									
 	凹面 Concave Face	203	329	12	2	球齿 Spherical	10XØ18	4XØ18+10XØ16	41.2
	凹面 Concave Face	216	329	12	2	球齿 Spherical	10XØ18	4XØ18+10XØ16	46
	凹面 Concave Face	230	329	12	2	球齿 Spherical	12XØ18	12XØ18+6XØ16	48.7
	凹面 Concave Face	235	329	12	2	球齿 Spherical	12XØ18	12XØ18+6XØ16	49.3
	凹面 Concave Face	254	329	12	2	球齿 Spherical	12XØ18	12XØ18+8XØ16	56.2
	凸凹面 Convex- Concave Face	275	329	12	2	球齿 Spherical	12XØ18	8XØ16+19XØ16	62.8
	凸凹面 Convex- Concave Face	305	329	12	3	球齿 Spherical	15XØ18	12XØ16+23XØ16	71.3

SD系列钻头 / SD Shank Drill Bits

头部规格 Specification		头部形状 Head Shape	钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
钻头规格 Specifications							齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
SD4										
	凸面 Convex Face	108	260	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	9	
	凸面 Convex Face	115	260	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ16	6XØ14	9.3	
	凸面 Convex Face	127	260	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	10.3	
	凸面 Convex Face	130	260	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ16	4XØ14+3XØ13	10.5	
SD5										
	凸面 Convex Face	140	259	8	2	球齿+弹头齿 Spherical+Ballistic	7XØ18	4XØ15+3XØ14	15	
	平面 Flat Face	146	259	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	15.8	
	平面 Flat Face	152	259	8	2	球齿+弹头齿 Spherical+Ballistic	8XØ18	8XØ14	16.1	
	凹面 Concave Face	165	259	8	2	球齿 Spherical	8XØ18	4XØ16+4XØ14	18.2	
	凹面 Concave Face	178	259	8	2	球齿 Spherical	8XØ18	6XØ16+5XØ14	19.6	
SD6										
	凹面 Concave Face	154	322	8	2	球齿 Spherical	8XØ18	4XØ16+4XØ15	25	
	平面 Flat Face	165	322	8	2	球齿 Spherical	8XØ18	8XØ16	25.8	
	凹面 Concave Face	171	322	8	2	球齿 Spherical	8XØ18	6XØ16+4XØ15	27.3	
	凹面 Concave Face	178	322	8	2	球齿 Spherical	8XØ18	6XØ16+5XØ15	28.2	
	凹面 Concave Face	190	322	8	3	球齿 Spherical	9XØ18	6XØ16+5XØ15	29.4	
	凹面 Concave Face	203	322	8	2	球齿 Spherical	10XØ18	8XØ16+6XØ15	32.5	
SD8										
	凹面 Concave Face	203	321	8	2	球齿 Spherical	10XØ18	4XØ18+10XØ16	41.3	
	凹面 Concave Face	216	321	8	2	球齿 Spherical	10XØ18	4XØ18+10XØ16	45	
	凹面 Concave Face	230	321	8	2	球齿 Spherical	12XØ18	12XØ18+6XØ16	47.8	
	凹面 Concave Face	235	321	8	2	球齿 Spherical	12XØ18	12XØ18+6XØ16	48.4	
	凹面 Concave Face	254	321	8	2	球齿 Spherical	12XØ18	12XØ18+8XØ16	55.3	
	凸凹面 Convex- Concave Face	275	321	8	2	球齿 Spherical	12XØ18	27XØ16	62	
	凸凹面 Convex- Concave Face	305	321	8	3	球齿 Spherical	15XØ18	35XØ16	70.5	
	凸凹面 Convex- Concave Face	305	321	8	3	球齿 Spherical	15XØ18	35XØ16	70.5	
SD10										
	凸凹面 Convex- Concave Face	254	356	8	2	球齿 Spherical	12XØ19	8XØ18+19XØ16	83.2	
	凸凹面 Convex- Concave Face	275	356	8	2	球齿 Spherical	12XØ19	8XØ18+20XØ16	87.7	
	凸凹面 Convex- Concave Face	305	356	8	3	球齿 Spherical	15XØ19	27XØ18+8XØ16	97.5	
	凸凹面 Convex- Concave Face	325	356	8	3	球齿 Spherical	15XØ19	27XØ18+9XØ16	106	
	凸凹面 Convex- Concave Face	350	356	8	4	球齿 Spherical	16XØ19	32XØ18+14XØ16	115.3	
	凸凹面 Convex- Concave Face	400	356	8	4	球齿 Spherical	16XØ19	40XØ18+25XØ16	140.7	
SD12										
	凸凹面 Convex- Concave Face	305	470	8	3	球齿 Spherical	15XØ20	27XØ18+8XØ16	146.5	
	凸凹面 Convex- Concave Face	311	470	8	3	球齿 Spherical	15XØ20	27XØ18+8XØ16	147	
	凸凹面 Convex- Concave Face	325	470	8	3	球齿 Spherical	15XØ20	27XØ18+9XØ16	156	
	凸凹面 Convex- Concave Face	350	470	8	4	球齿 Spherical	16XØ20	32XØ18+13XØ16	166	
	凸凹面 Convex- Concave Face	381	470	8	4	球齿 Spherical	16XØ20	36XØ18+18XØ16	184	
	凸凹面 Convex- Concave Face	400	470	8	4	球齿 Spherical	16XØ20	40XØ18+28XØ16	199	
	凸凹面 Convex- Concave Face	445	470	8	4	球齿 Spherical	20XØ20	48XØ18+25XØ16	237.5	
	凸凹面 Convex- Concave Face	500	470	8	4	球齿 Spherical	24XØ20	90XØ18	293	

SP1880+SP330系列钻头 / SP1880 + SP330 Shank Drill Bits

钻头规格 Specifications	头部规格 Specification		钻头头部直径 Head Diameter (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
	头部形状 Head Shape						齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
SP330										
	双边齿凹面 Double gauge button Concave Face		450	520	10	4	球齿 Domed	20XØ20	16XØ19+57XØ18	308
	双边齿凹面 Double gauge button Concave Face		500	520	10	4	球齿 Domed	24XØ20	16XØ19+73XØ18	354
	双边齿凹面 Double gauge button Concave Face		550	520	10	4	球齿 Domed	24XØ20	16XØ19+79XØ18	410
	双边齿凹面 Double gauge button Concave Face		600	520	10	4	球齿 Domed	24XØ20	16XØ19+96XØ18	483
SP1880										
	凸凹面 Convex- Concave Face		600	480	16	4	球齿 Domed	24XØ22	72XØ20+32XØ18	636
	双边齿凹面 Double gauge button Concave Face		650	480	16	4	球齿 Domed	24XØ22	80XØ20+38XØ18	721
	双边齿凹面 Double gauge button Concave Face		700	480	16	5	球齿 Domed	30XØ22	90XØ20+43XØ18	838
	凸凹面 Convex- Concave Face		800	480	16	6	球齿 Domed	36XØ22	182XØ19	1152

Middle-Low Air Pressure DTH Button Bits

中低风压潜孔钻头

CIR系列钻头/ CIR Series Drill Bits

头部规格 Button bits face		钻头头部直径	尾柄长度	花键数	排气孔数量	合金数量X直径 Button qty.pcs X dia.mm			重量
钻头规格 Face shape	头部形状 Head Shape	Diameter of button face (mm)	Shank Length	Spline	NO.Air Holes	齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	Weight (Kg)
CIR65									
	平面 Flat Face	65	105	4	2	球齿 Spherical	4XØ12	2XØ12	1.5
	平面 Flat Face	68	105	4	2	球齿 Spherical	4XØ12	2XØ12	1.6
CIR70									
	平面 Flat Face	76	111	4	2	球齿 Spherical	6XØ12	4XØ11	2
	凸面 Convex Face	85	111	4	2	球齿 Spherical	6XØ13	2XØ12+2XØ11	2.3
CIR90									
	凸面 Convex Face	90	130	6	2	球齿 Spherical	6XØ14	2XØ13+2XØ12	3.75
	凹面 Concave Face	110	130	6	2	弹头齿 Ballistic	6XØ14	6XØ13	4.8
CIR110									
	凹面 Concave Face	110	140	6	2	弹头齿 Ballistic	6XØ14	6XØ13	6.2
	凹面 Concave Face	130	140	6	2	弹头齿 Ballistic	8XØ14	4XØ14+3XØ13	8.05
	平面 Flat Face	140	140	6	2	弹头齿 Ballistic	8XØ14	8XØ14	9
CIR150									
	凸面 Convex Face	155	170	6	3	弹头齿 Ballistic	9XØ16	10XØ14	16.7
	凸面 Convex Face	165	170	6	3	弹头齿 Ballistic	9XØ16	10XØ14	17.55
	凸面 Convex Face	178	170	6	3	弹头齿 Ballistic	9XØ16	6XØ16+6XØ14	18.85
CIR170									
	凸面 Convex Face	195	170	6	3	弹头齿 Ballistic	9XØ16	6XØ16+8XØ14	24.2
	凸面 Convex Face	203	170	6	3	弹头齿 Ballistic	9XØ16	6XØ16+10XØ14	26.35
N3									
	凸面 Convex Face	90	130	6	2	弹头齿 Ballistic	6XØ14	2XØ13+2XØ12	3.55
	凹面 Concave Face	110	130	6	2	弹头齿 Ballistic	6XØ14	6XØ13	4.6
N4									
	凹面 Concave Face	110	140	6	2	弹头齿 Ballistic	6XØ14	6XØ13	6
	凹面 Concave Face	130	140	6	2	弹头齿 Ballistic	8XØ14	4XØ14+3XØ13	7.85
	平面 Flat Face	140	140	6	2	弹头齿 Ballistic	8XØ14	8XØ14	8.8

BR系列钻头/ BR Series Drill Bits

头部规格 Button bits face		钻头形状 Head Shape	钻头头部直径 Diameter of button face (mm)	尾柄长度 Shank Length	花键数 Spline	排气孔数量 Port holes	合金数量X直径 Button qty.pcs X dia.mm			重量 Weight (Kg)
钻头规格 Face shape							齿型 Button Type (选配件 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
 		BR1								
		平面 Flat Face	64	163	6	2	弹头齿 Ballistic	6XØ10	4XØ9	1.8
		凸面 Convex Face	70	163	6	2	弹头齿 Ballistic	6XØ11	4XØ10	2
 		BR2								
		平面 Flat Face	76	165	6	2	弹头齿 Ballistic	6XØ14	4XØ11	2.7
		平面 Flat Face	80	165	6	2	弹头齿 Ballistic	6XØ14	4XØ11	2.8
		平面 Flat Face	85	165	6	2	弹头齿 Ballistic	6XØ14	4XØ12	3
		平面 Flat Face	90	165	6	2	弹头齿 Ballistic	6XØ14	4XØ12	3.1
 		BR3								
		平面 Flat Face	90	165	6	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.1
		平面 Flat Face	95	165	6	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	5XØ12	4.3
		平面 Flat Face	100	165	6	2	球齿+弹头齿 Spherical+Ballistic	6XØ14	6XØ12	4.5
		平面 Flat Face	108	165	6	2	球齿+弹头齿 Spherical+Ballistic	6XØ13	6XØ12	4.8

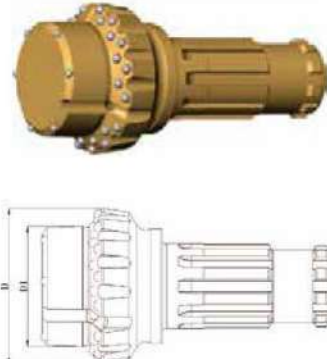
Hole Opener Bit Design

潜孔扩孔钻头

扩孔钻头示意图
3D-Effect Drawing Of Hole Opener Bit



扩孔钻头规格/Reaming Bit 's

头部规格 Specification		具体尺寸 Specific Detailed Size											
钻头规格 Specifications													
	D(mm)	165	178	190	216	254	305	305	381	381	445	482	600
	D1(mm)	82	99	115	138	159	208	208	296	296	305	311	445
	边齿	16	16	18	18	18	18	20	20	20	20	22	22
	中齿	14	14	15	15	16	16	18	18	18	18	19	19
	可配尾柄	ND45A SP480 Mission40	ND55A SP580 Mission50	ND65A SP680 Mission60	SP880A SP882/SP883 Mission80	SP1080/SP1081 SD10	SP1280/SD12/ QL120						

备注:扩孔钻头的导向尺寸与扩孔尺寸, 合金大小, 可根据客户要求设计。

3-Wings DTH Bit

潜孔三翼钻头

三翼钻头规格/3-Wings DTH Bit's

头部规格 Specification		合金数量X直径 Button qty.pcs X dia.mm			
钻头规格 Specifications	钻头头部直径 Head Diameter (mm)	排气孔数量 Port Holes	按钮 Button Type (选配件 Optional)		
			弹头齿 Ballistic	边齿 Gauge Buttons	芯齿 Front Buttons
	130	3	弹头齿 Ballistic	9xØ14	3xØ13
	140	3	弹头齿 Ballistic	9xØ14	3xØ14
	150	3	弹头齿 Ballistic	9xØ14	3xØ14
	152	3	弹头齿 Ballistic	9xØ15	3xØ15
	165	3	弹头齿 Ballistic	9xØ15	3xØ15
	180	3	弹头齿 Ballistic	9xØ15	3xØ15
	180	3	弹头齿 Ballistic	9xØ16	3xØ15
	190	3	弹头齿 Ballistic	9xØ16	4xØ15
	203	3	弹头齿 Ballistic	9xØ16	4xØ15
	219	3	弹头齿 Ballistic	12xØ16	4xØ15
	254	3	弹头齿 Ballistic	15xØ16	4xØ15

备注:三翼钻头同规格的头部布齿一样, 只是钻头尾柄不一样。





INDUSTRIAL AND
ENGINEERING TECHNOLOGY
Co., Limited



03

CASING SYSTEM

Casing System

Drilling casing systems
for challenging ground
conditions.



RELIABILITY

Durable materials and
rigorous quality control



EFFICIENCY

Optimized solutions
for high productivity



PRECISION

Engineered for accurate
casing installation



GLOBAL STANDARD

Compliant with API
and international
standards

Eccentric Casing System

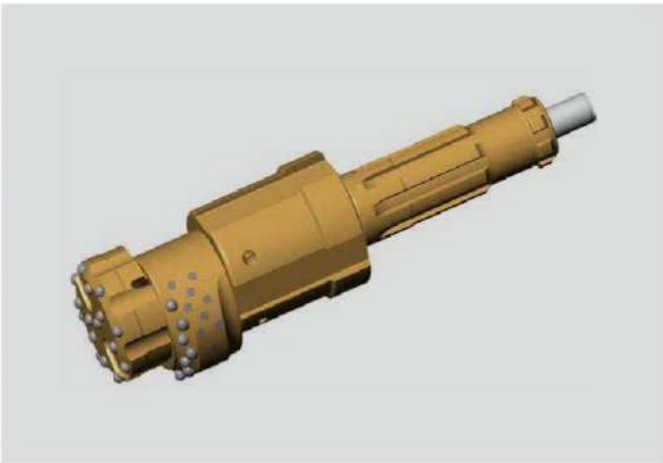
偏心扩孔钻具

零件表面的硬化处理
Hardening treatment of the part's surface

具有较长的使用寿命和优异的抗磨性能。
with longer operating life and excellent anti-wear properties.

优越性能
Superior performance

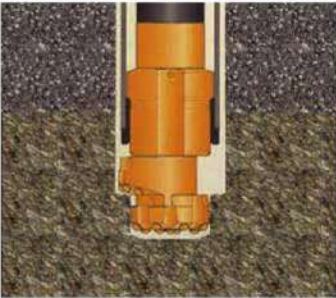
性能稳定可靠，钻进速度快。
Stable and reliable performance, high drilling speed



Working Principle of Drill 钻具工作原理

01 凿岩工作开始时，偏心扩孔套沿偏心导向钻头旋出，同时开始扩孔以保证套管和钻进系统同时前进。

When starting drilling, the reamer swings out and reams the pilot-hole wide enough for the casing tube to slide down behind the drill bit assembly.



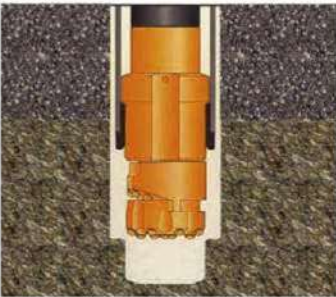
03 套管向上拔，同时在孔底喷灌砂浆或其它填充物。

Casing tubes that are to be left in the drill hole should be sealed at the bottom of the hole by means of cement grout or some other sealing agent.



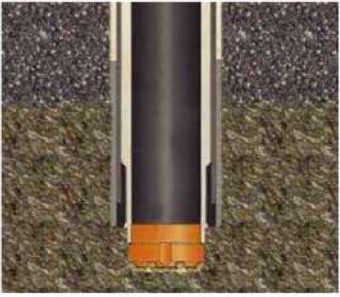
02 跟管钻进到位后，小心地反转，偏心扩孔套旋回，并将偏心钻具系统从套管中拔出。

When the required depth is reached, rotation is reversed carefully, whereupon the reamer swings in. Allowing the drill bit assembly to be pulled up through the casing



04 在基岩中采用常规钻具钻进以达到所需深度。

Drilling continues to the desired depth in the bedrock using a conventional drill string.



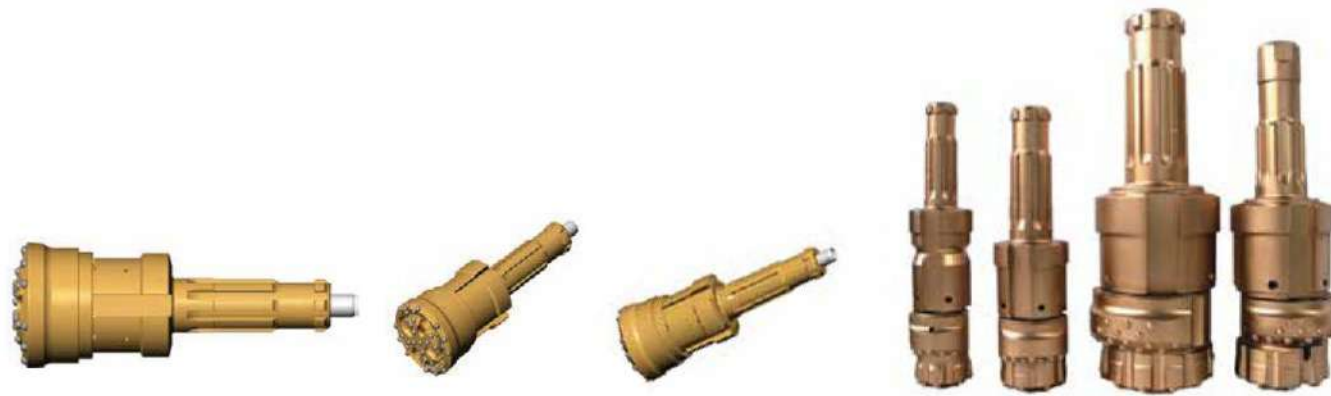
偏心扩孔钻具规格/ODEX Casing System/Eccentric Overburden Casing System

规格型号 Model	套管外径(mm) Casing Tube O.D.	导杆最大外径 (mm) Maximum O.D. of Guide Device	钻头含岩直径D1(mm) Bit Diameter (Biton Included)	管靴内径(mm) Casing Shoe I.D.	扩孔最大直径D2 (mm) Maximum Reaming O.D.	所配冲击器规格 Hammer Style
108偏心钻具	φ 108	φ 92	φ 84	φ 86	φ 118	3寸
114偏心钻具	φ 114	φ 100	φ 92	φ 94	φ 124	3寸
127偏心钻具	φ 127	φ 110	φ 100	φ 102	φ 136	3~4寸
146偏心钻具	φ 146	φ 124	φ 115	φ 117	φ 156	4寸
168偏心钻具	φ 168	φ 146	φ 134	φ 138	φ 178	5寸
178偏心钻具	φ 178	φ 156	φ 144	φ 148	φ 193	5寸
183偏心钻具	φ 183	φ 160	φ 144	φ 152	φ 193	5寸
194偏心钻具	φ 194	φ 178	φ 165	φ 167	φ 208	6寸
219偏心钻具	φ 219	φ 203	φ 189	φ 193	φ 237	6~7寸
245偏心钻具	φ 245	φ 220	φ 206	φ 210	φ 260	6~8寸
273偏心钻具	φ 273	φ 256	φ 238	φ 242	φ 308	8寸
325偏心钻具	φ 325	φ 297	φ 280	φ 285	φ 355	8~10寸
377偏心钻具	φ 377	φ 351	φ 328	φ 333	φ 420	10~12寸

备注:以上尺寸为厂标设计尺寸,客户套管壁厚如有不同需特殊设计.

Concentric Casing System

同心跟管钻具

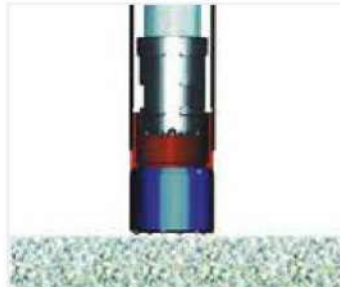


Working Principle of Drill

钻具工作原理

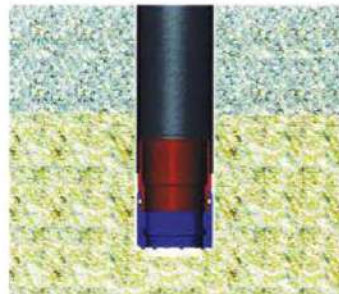
01 钻孔之前，将环形钻头和管靴组件与套管焊好，然后将导向钻头与环形钻头管靴组件锁好，导向钻头肩部与管靴啮合。

Ring bit and casing shoe assembly is welded to casing prior to drilling. Lock the assembly into pilot bit with hammer. The pilot bit's shoulder engages the shoulder of the casing shoe.



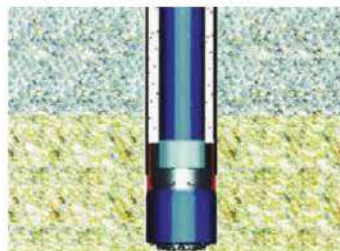
03 在钻进结束之后，通过轻轻反转让卡口连接解锁而取回钻具。环形钻头留在孔内，当孔进行注浆完毕，套管拔出时，环形钻头一起取出。

On completion of drilling and casing, the drill string with pilot bit is retrieved by a slight reverse rotation to unlock the bayonet coupling. The ring bit stays in the hole, and can be recovered only if the casing is retrieved.



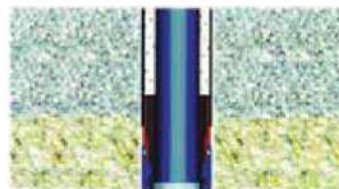
02 冲击器的冲击能传至导向钻头和环形钻头开始破岩，部分能量带动套管向前。

Hammer's percussive energy is transferred through the pilot and ring bit, crushing rock. Part of impact energy advances casing.



04 在基岩中，如果需要进一步钻进，将导向钻头换成尺寸合适的标准钻头。

If further drilling is required on the bedrock, the pilot bit is simply replaced by an appropriate size of standard DTH bit.



Advantages of Concentric Drilling

同心跟管钻具优势

- 01 成孔直线度好，钻进速度快。
同心钻进的工作原理能保证在砾石层、砂层和卵石层等所有地层中钻出较直的孔，并且钻进速度快。
- 02 钻进中扭矩较小。
同心钻进比偏心钻进需要的扭矩小得多。环形钻头保证在所有条件下顺利地钻进，即使用小钻机也能钻较大的孔。
- 03 解锁-重新锁定比较容易。
钻孔过程中有时需要将系统解锁，同心钻进容易重新锁定，因为该系统中没有必须在孔内打开和关闭的偏心构件。
- 04 可以进行任何角度的钻孔。
同心钻具能钻任何角度的孔。
- 05 排渣效果好。
同心钻进中用于排渣的气流从导向钻头喷出后立即沿套管上升，因此，对孔壁损害较小，排渣效果好。
- 06 操作容易，系统安全。
由于同心钻进工作较顺利，钻孔工人不需要持续关注钻进工作。
- 07 经济，成本低。
同心钻进系统的结构和工作原理能保证显著减少停机时间，消耗品少，运转成本低。

- 01 Drilling Straight and fast
Theoretically, Concentric drilling makes sure the hole in all formations such as gravel bed, sand bed and pebble bed etc. is considerably straight, the drilling speed fast and the drilling torque relatively small.
- 02 The torque for Concentric drilling is much less than for eccentric drilling.
A smooth and steady drilling may be achieved using ring bit on all conditions and create big hole even if a small drilling rig is used.
- 03 Easily Unlocking-relocking
Unlocking the system is sometimes required during process. Relocking is easy since there are no eccentric components that must be opened or closed inside the hole.
- 04 Drilling in any angle.
Concentric drilling system can drill the hole at any angle.
- 05 Effective cuttings discharge.
The airflow for cutting discharge purpose during the Concentric drilling will instantly ascend along the casing pipe after spurting out from the pilot bit. Hence, the negligible damage on the wall of hole can guarantee effective cutting discharge.
- 06 Easy-to-operate and system security
Drilling workers are relieved of the need to maintain their continuous and constant attention on drilling process since Concentric drilling can carry on smoothly.
- 07 Economical and cost-effective.
The structure and principle of operation of Concentric drilling system can guarantee considerable reduction in downtime, fewer consumables and lower operation costs.

同心跟管钻具规格/Concentric Casing System

	规格型号 Model	套管外径(mm) Casing Tube O.D	中心钻头最大外径D(mm) Bit Diameter (Biton Included)	管靴内径(mm) Casing Shoe I.D.	扩孔最大尺寸(mm) Maximum Reaming O.D.	所配冲击器规格 Hammer Style
	146同心钻具 Concentric Casing	φ 146	φ 123.5	φ 116	φ 156	4寸
	168同心钻具 Concentric Casing	φ 168	φ 146	φ 140	φ 184	5寸
	178同心钻具 Concentric Casing	φ 178	φ 157	φ 150	φ 194	5寸
	183同心钻具 Concentric Casing	φ 183	φ 160	φ 152	φ 198	5寸
	194同心钻具 Concentric Casing	φ 194	φ 178	φ 164	φ 208	6寸
	219同心钻具 Concentric Casing	φ 219	φ 203	φ 192	φ 234	6~7寸
	245同心钻具 Concentric Casing	φ 245	φ 217	φ 205	φ 260	6~8寸
	273同心钻具 Concentric Casing	φ 273	φ 246	φ 233	φ 291	8寸
	325同心钻具 Concentric Casing	φ 325	φ 297	φ 282	φ 340	8~10寸
	377同心钻具 Concentric Casing	φ 377	φ 351	φ 332	φ 405	10~12寸

备注:以上尺寸为厂标设计尺寸,客户套管壁厚如有不同需特殊设计。

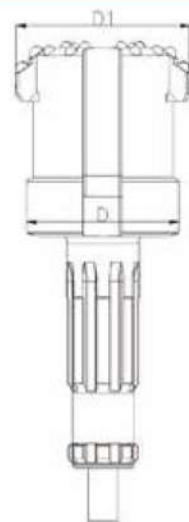
Slide Block Casing System

滑块式跟管钻具



滑块式跟管钻具规格/Slide Block Casing System

规格型号 Model	套管外径(mm) Casing OD	中心钻头 最大外径D(mm) Maximum OD of Center Bit	管靴内径(mm) Casing Shoe ID	扩孔最大尺寸(mm) Maximum OD of Reaming	所配冲击器规格 Hammer Type
146滑块钻具 Slide Block Casing	¢146	¢123	¢115	¢156	4寸
168滑块钻具 Slide Block Casing	¢168	¢146	¢140	¢185	5寸
178滑块钻具 Slide Block Casing	¢178	¢156	¢150	¢193	5寸
183滑块钻具 Slide Block Casing	¢183	¢160	¢154	¢193	5寸
194滑块钻具 Slide Block Casing	¢194	¢178	¢166	¢211	6寸
219滑块钻具 Slide Block Casing	¢219	¢203	¢193	¢237	6~7寸
245滑块钻具 Slide Block Casing	¢245	¢220	¢210	¢260	6~8寸
273滑块钻具 Slide Block Casing	¢273	¢251	¢241	¢308	8寸
325滑块钻具 Slide Block Casing	¢325	¢298	¢281	¢378	8~10寸
377滑块钻具 Slide Block Casing	¢377	¢350	¢335	¢430	10~12寸
406滑块钻具 Slide Block Casing	¢406	¢380	¢363	¢426	12寸
560滑块钻具 Slide Block Casing	¢560	¢530	¢511	¢590	18寸
610滑块钻具 Slide Block Casing	¢610	¢582	¢556	¢640	18寸



备注:以上尺寸为厂标设计尺寸,客户套管壁厚如有不同需特殊设计.

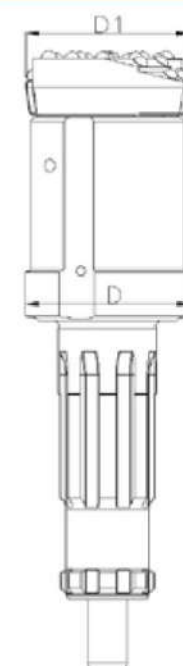
Overburden Wing Bit

旋翼式跟管钻具



旋翼式跟管钻具规格/Overburden Wing Bit

规格型号 Model	套管外径(mm) Casing OD	中心钻头 最大外径D(mm) Maximum OD of Center Bit	管靴内径(mm) Casing Shoe ID	扩孔最大尺寸(mm) Maximum OD of Reaming	所配冲击器规格 Hammer Type
146旋翼钻具 Overburden Wing Bit	¢146	¢123	¢115	¢156	4寸
168旋翼钻具 Overburden Wing Bit	¢168	¢146	¢136	¢184	5寸
178旋翼钻具 Overburden Wing Bit	¢178	¢156	¢142	¢193	5寸
183旋翼钻具 Overburden Wing Bit	¢183	¢160	¢146	¢198	5寸
194旋翼钻具 Overburden Wing Bit	¢194	¢178	¢162	¢208	6寸
219旋翼钻具 Overburden Wing Bit	¢219	¢203	¢180	¢234	6~7寸
245旋翼钻具 Overburden Wing Bit	¢245	¢220	¢202	¢260	6~8寸
273旋翼钻具 Overburden Wing Bit	¢273	¢251	¢237	¢300	8寸
325旋翼钻具 Overburden Wing Bit	¢325	¢298	¢280	¢355	8~10寸
377旋翼钻具 Overburden Wing Bit	¢377	¢350	¢330	¢407	10~12寸



备注:以上尺寸为厂标设计尺寸,客户套管壁厚如有不同需特殊设计.

Drilling Equipment

管靴与跟管产品



焊接管靴示意图
Weldable Casing Shoe/ Weldable Crown



螺纹管靴示意图
Threaded Casing Shoe/ Threaded Crown



跟管示意图
Casing Tube



**INDUSTRIAL AND
ENGINEERING TECHNOLOGY
Co., Limited**



04

TOP HAMMER DRILL BIT

High performance
top hammer drill bits
designed for superior
penetration and
longer service life.



DURABILITY

Premium steel and
advanced heat treatment
for extended life



HIGH PENETRATION

Optimized button design
for maximum impact
energy



RELIABILITY

Consistent quality
in demanding drilling
conditions



GLOBAL SOLUTIONS

Engineered for mining,
quarrying and construction
applications

Top Hammer Drill Bit

顶锤钻头

导向系列钻头/Retrac Button Bit

头部规格 Specification		头部形状 Head Shape	钻头头部直径 Head Diameter (mm)	钎头长度 (不含合金) Length (without Button)	水孔数量 Holes		合金数量X直径 Button qty X dia.mm			重量 Weight (Kg)
钻头规格 Specifications					面水孔 Port Holes	边水孔 Side Holes	齿型 Button Type (可选 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
R32										
	平面 Flat Face	51	130	3	/	球齿+球齿 Domed+Domed	6- ϕ 10	3- ϕ 9	1.25	
	平面 Flat Face	57	130	3	/	弹头齿 Ballistic	6- ϕ 10	3- ϕ 9	1.65	
R38										
	平面 Flat Face	64	140	3	/	球齿+弹头齿 Domed+Ballistic	6X ϕ 11	3- ϕ 9	2.05	
	中心下陷 Center Drop Face	76	160	4	/	球齿+球齿 Domed+Domed	8- ϕ 11	5- ϕ 11	3.65	
	中心下陷 Center Drop Face	89	170	4	/	球齿+球齿 Domed+Domed	8- ϕ 12	4- ϕ 12+2- ϕ 10	5.3	
T38										
	中心下陷 Center Drop Face	64	160	2	/	球齿+球齿 Domed+Domed	8- ϕ 9	5- ϕ 9	2.45	
	平面 Flat Face	70	160	3	/	球齿+球齿 Domed+Domed	6- ϕ 11	4- ϕ 9	2.85	
	中心下陷 Center Drop Face	76	160	4	/	球齿+球齿 Domed+Domed	8- ϕ 11	5- ϕ 11	3.7	
	中心下陷 Center Drop Face	89	170	4	/	抛物线+抛物线 Parabola+Parabola	8- ϕ 12	4- ϕ 12+2- ϕ 10	5.3	
T45										
	中心下陷 Center Drop Face	72	160	4	/	球齿+球齿 Domed+Domed	8- ϕ 11	5- ϕ 10	3.15	
	中心下陷 Center Drop Face	76	160	4	/	球齿+球齿 Domed+Domed	8- ϕ 12	4- ϕ 11+1- ϕ 10	3.55	
	中心下陷 Center Drop Face	89	170	4	/	弹头齿+弹头齿 Ballistic+Ballistic	8- ϕ 12	4- ϕ 12+2- ϕ 10	5	
	中心下陷 Center Drop Face	102	180	4	/	球齿+球齿 Domed+Domed	8- ϕ 13	6- ϕ 12	7.3	
T51										
	中心下陷 Center Drop Face	89	170	4	/	弹头齿+弹头齿 Ballistic+Ballistic	8- ϕ 12	4- ϕ 12+2- ϕ 11	5	
	中心下陷 Center Drop Face	102	180	4	/	弹头齿+弹头齿 Ballistic+Ballistic	8- ϕ 13	4- ϕ 13+2- ϕ 12	7.12	
	平面 Flat Face	115	185	2	2	球齿+球齿 Domed+Domed	8- ϕ 14	6- ϕ 13	10.1	
	中心下陷 Center Drop Face	127	185	4	/	球齿+球齿 Domed+Domed	8- ϕ 14	4- ϕ 14+3- ϕ 13	12.4	
ST58										
	平面 Flat Face	102	180	3	/	抛物线+抛物线 Parabola+Parabola	9- ϕ 13	6- ϕ 12	6.5	
	平面 Flat Face	115	185	2	2	球齿+球齿 Domed+Domed	8- ϕ 14	6- ϕ 13	9.5	
	中心下陷 Center Drop Face	127	185	4	/	球齿+球齿 Domed+Domed	8- ϕ 14	4- ϕ 14+3- ϕ 13	11.7	
GT60山特维克款										
	平面三角形 Flat Triangle Face	102	212	3	/	球齿+球齿 Domed+Domed	9- ϕ 13	9- ϕ 11	10	
	平面三角形 Flat Triangle Face	115	212	3	/	球齿+球齿 Domed+Domed	9- ϕ 14	10- ϕ 12	8	
	平面三角形 Flat Triangle Face	127	212	3	/	球齿+球齿 Domed+Domed	9- ϕ 16	10- ϕ 14	13.9	
	平面三角形 Flat Triangle Face	140	225	3	/	球齿+球齿 Domed+Domed	9- ϕ 16	10- ϕ 14	17.4	

导向系列钻头/Retrac Button Bit

头部规格 Specification 钻头规格 Specifications	头部形状 Head Shape	钻头头部直径 Head Diameter (mm)	钎头长度 (不含合金) Length (without Button)	水孔数量 Holes		合金数量X直径 Button qty pcs X dia.mm			重量 Weight (Kg)
				面水孔 Port Holes	边水孔 Side Holes	齿型 Button Type (可选 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
EL60款									
	中心下陷 Center Drop Face	102	200	3	/	球齿+球齿 Domed+Domed	9- ϕ 14	7- ϕ 13	6.5
	中心下陷 Center Drop Face	115	200	4	/	球齿+球齿 Domed+Domed	8- ϕ 14	4- ϕ 14+2- ϕ 13	9
	中心下陷 Center Drop Face	127	205	4	/	球齿+球齿 Domed+Domed	8- ϕ 14	4- ϕ 14+3- ϕ 13	12
ST68									
	中心下陷 Center Drop Face	102	185	4	/	球齿+球齿 Domed+Domed	8- ϕ 14	4- ϕ 13+2- ϕ 12	6.1
	中心下陷 Center Drop Face	115	185	4	/	球齿+球齿 Domed+Domed	8- ϕ 14	4- ϕ 14+2- ϕ 13	8.4
	中心下陷 Center Drop Face	127	190	4	/	球齿+球齿 Domed+Domed	8- ϕ 14	4- ϕ 14+3- ϕ 13	11.4
	中心下陷 Center Drop Face	140	190	4	/	球齿+球齿 Domed+Domed	8- ϕ 16	4- ϕ 14+3- ϕ 13	14.3
T45 山特维克款									
	梅花槽 Triangle Face	89	170	4	/	球齿+球齿 Domed+Domed	8- ϕ 13	5- ϕ 13	5
	平面三角形 Flat Triangle Face	102	175	3	/	球齿+球齿 Domed+Domed	9- ϕ 13	9- ϕ 11	7.25
	平面三角形 Flat Triangle Face	115	175	3	/	球齿+球齿 Domed+Domed	9- ϕ 14	10- ϕ 12	9.5
T51 山特维克款									
	平面三角形 Flat Triangle Face	102	185	3	/	球齿+球齿 Domed+Domed	9- ϕ 13	9- ϕ 11	7.5
	平面三角形 Flat Triangle Face	115	185	3	/	球齿+球齿 Domed+Domed	9- ϕ 14	10- ϕ 12	10
	平面三角形 Flat Triangle Face	127	185	3	/	球齿+球齿 Domed+Domed	9- ϕ 14	10- ϕ 13	12.8

螺紋系列鑽頭/Normal Button Bit

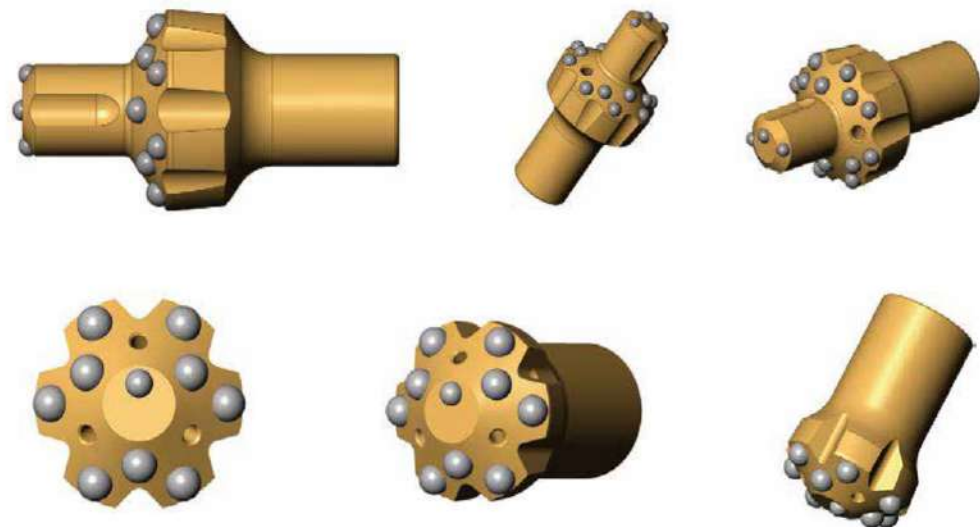
头部规格 Specification		头部形状 Head Shape	钻头头部直径 Head Diameter (mm)	钻头长度 (不含合金) Length (without Button)	水孔数量 Holes		合金数量X直径 Button qty pcs X dia.mm			重量 Weight (Kg)
钻头规格 Specifications					面水孔 Port Holes	边水孔 Side Holes	齿型 Button Type (可选 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
	R25									
	平面 Flat Face	38	105	1	2	弹头齿 Ballistic	5-φ8	2-φ8	0.5	
	平面 Flat Face	45	110	3	2	弹头齿 Ballistic	6-φ9	3-φ8	0.65	
	R32									
	平面 Flat Face	45	113	3	2	弹头齿 Ballistic	6-φ9	3-φ8	0.75	
	平面 Flat Face	64	130	2	/	球齿 Domed	6-φ10	4-φ9	2.1	
	凸面 Convex Face	76	130	2	/	球齿 Domed	6-φ12	2φ12+2-φ10	2.7	
	R38									
	中心下陷 Center Drop Face	64	130	3	/	球齿+弹头齿 Domed+Ballistic	6Xφ11	3-φ9	1.85	
	中心下陷 Center Drop Face	76	130	2	2	球齿+球齿 Domed+Domed	8-φ12	4-φ12	2.45	
	中心下陷 Center Drop Face	89	130	2	2	球齿+球齿 Domed+Domed	8-φ12	6-φ12	3.5	
	T38									
	中心下陷 Center Drop Face	64	130	2	/	球齿+球齿 Domed+Domed	8-φ9	5-φ9	1.85	
	平面 Flat Face	70	130	3	2	球齿+球齿 Domed+Domed	6-φ12	4-φ10	2.05	
	中心下陷 Center Drop Face	76	130	4	/	球齿+球齿 Domed+Domed	8-φ11	5-φ10	2.55	
	中心下陷 Center Drop Face	89	130	4	/	抛物线+抛物线 Parabola+Parabola	8-φ12	4-φ12+2-φ10	3.55	
	T45									
	中心下陷 Center Drop Face	72	140	4	/	球齿+球齿 Domed+Domed	8-φ11	5-φ10	2.25	
	中心下陷 Center Drop Face	76	140	4	/	球齿+球齿 Domed+Domed	8-φ11	4-φ11+1-φ10	2.9	
	中心下陷 Center Drop Face	89	145	4	/	弹头齿+弹头齿 Ballistic+Ballistic	8-φ12	4-φ12+2-φ10	3.8	
	中心下陷 Center Drop Face	102	150	4	/	球齿+球齿 Domed+Domed	8-φ13	6-φ12	4.8	
	T51									
	中心下陷 Center Drop Face	89	155	4	/	弹头齿+弹头齿 Ballistic+Ballistic	8-φ12	4-φ12+2-φ11	4.15	
	中心下陷 Center Drop Face	102	155	4	/	弹头齿+弹头齿 Ballistic+Ballistic	8-φ14	4-φ13+2-φ12	5.8	
	平面 Flat Face	115	160	2	2	球齿+球齿 Domed+Domed	8-φ14	6-φ13	6.55	
	中心下陷 Center Drop Face	127	165	4	/	球齿+球齿 Domed+Domed	8-φ14	4-φ14+3-φ13	7.7	
	ST58									
	中心下陷 Center Drop Face	89	175	4	/	弹头齿+弹头齿 Ballistic+Ballistic	8-φ12	4-φ12+2-φ11	4.4	
	平面 Flat Face	102	180	3	/	抛物线+抛物线 Parabola+Parabola	9-φ13	6-φ12	5.8	
	平面 Flat Face	115	185	2	2	球齿+球齿 Domed+Domed	8-φ14	6-φ13	7.7	
	中心下陷 Center Drop Face	127	185	4	/	球齿+球齿 Domed+Domed	8-φ14	4-φ14+3-φ13	8.9	
	GT60山特维克款									
	平面三角形 Flat Triangle Face	102	220	3	/	球齿+球齿 Domed+Domed	9-φ13	9-φ11	8.1	
	平面三角形 Flat Triangle Face	115	220	3	/	球齿+球齿 Domed+Domed	9-φ14	10-φ12	8.8	
	平面三角形 Flat Triangle Face	127	225	3	/	球齿+球齿 Domed+Domed	9-φ16	10-φ14	10.6	
	平面三角形 Flat Triangle Face	140	230	3	/	球齿+球齿 Domed+Domed	9-φ16	10-φ14	11.7	

螺紋系列鑽頭/Normal Button Bit

头部规格 Specification		钻头形状 Head Shape	钻头头部直径 Head Diameter (mm)	钻头长度 (不含合金) Length (without Button)	水孔数量 Holes		合金数量X直径 Button qty pcs X dia.mm			重量 Weight (Kg)
钻头规格 Specifications					面水孔 Port Holes	边水孔 Side Holes	齿型 Button Type (可选 Optional)	边齿 Gauge Buttons	芯齿 Front buttons	
	ST68									
	平面 Flat Face	102	180	2	2	球齿+球齿 Domed+Domed	8-φ14	6-φ13	5.4	
	中心下陷 Center Drop Face	115	180	4	/	球齿+球齿 Domed+Domed	8-φ14	4-φ14+2-φ13	6.65	
	中心下陷 Center Drop Face	127	190	4	/	球齿+球齿 Domed+Domed	8-φ14	4-φ14+3-φ13	8.9	
	中心下陷 Center Drop Face	140	190	4	/	球齿+球齿 Domed+Domed	8-φ16	4-φ14+3-φ13	10.8	
	T45									
	梅花槽 Triangle Face	89	145	4	/	球齿+球齿 Domed+Domed	8-φ13	5-φ13	3.5	
	平面三角形 Flat Triangle Face	102	150	3	/	球齿+球齿 Domed+Domed	9-φ13	9-φ11	4.5	
	平面三角形 Flat Triangle Face	115	160	3	/	球齿+球齿 Domed+Domed	9-φ14	10-φ12	5	
	T51									
	平面三角形 Flat Triangle Face	102	155	3	/	球齿+球齿 Domed+Domed	9-φ13	9-φ11	5.5	
	平面三角形 Flat Triangle Face	115	165	3	/	球齿+球齿 Domed+Domed	9-φ14	10-φ12	6.5	
	平面三角形 Flat Triangle Face	127	165	3	/	球齿+球齿 Domed+Domed	9-φ14	10-φ13	7.5	
	EL60									
	平面 Flat Face	102	210	2	2	球齿+球齿 Domed+Domed	8-φ14	6-φ13	7.5	
	中心下陷 Center Drop Face	115	210	4	/	球齿+球齿 Domed+Domed	8-φ14	4-φ14+2-φ13	8.2	
	中心下陷 Center Drop Face	127	220	4	/	球齿+球齿 Domed+Domed	8-φ14	4-φ14+3-φ13	10	

Top Hammer Opener Bit

顶锤扩孔钻头



螺纹扩孔钻头规格/ Thread Opener Bits

头部规格 Specification		具体尺寸 Specific Detailed Size								
钻头规格 Specifications										
	D(mm)	76	89	102	115	102	115	127	140	165
	D1(mm)	26	43	43	76	43	76	76	89	102
	螺纹规格	R32	R32	R38	R38	T38	T38	T45	T45	T51

备注:扩孔钻头的导向尺寸与扩孔尺寸, 合金大小, 可根据客户要求设计。

Coupling Sleeves

钎杆连接套



产品材质: 主体采用优质合金钢为原料

工艺: 采用先进的高压锻制生产工艺, 真空整体调质热处理。应用数控自动化设备加工成型, 保证了稳定可靠的产品质量

用途: 连接钻杆和钻机; 连接钻杆与钻杆; 连接钻杆与钻头。

Product Material: Alloy Steel

Process: use the most advanced forging process and heat treatment technology with the latest automated equipment to ensure quality control.

Use: connecting drill rod and drilling rig; connecting drill rod and drill rod; connecting drill rod and drill bit.

连接套常用规格

		具体尺寸 Specific Detailed Size					
	连接套螺纹型号	T38-R32	T38-T38	T38-T45	T38-T51	T45-T45	T51-T51
	外径(D) mm	56	56	68	74	68	77
	长度(L) mm	170	190	200	210	210	230

备注:连接套的长度/外径尺寸, 可根据客户需求定制

Shank Adapter Tubes

钎尾

新金刚为客户提供适配Epiroc (Atlas Copco), Furukawa, Montabert 及 Tamrock 等系列机型的顶锤钎尾。钎尾选用高强度材料, 为客户提供更长工作寿命。

New Diamond provides Shank adapters for difters of Epiroc(Atlas Copco), Furukawa, Montabert and Tamrock series. We choose high quality material for shank adapters to provide longer working life.





05

REVERSE CIRCULATION PRODUCT

Reverse Circulation Drill Bits

High efficiency drilling
performance with
reliable durability.



APPLICATION

Designed for reverse circulation drilling in mineral exploration and water well drilling. Effective in a variety of formations including loose and fractured ground.



ADVANTAGES

- ✓ Optimized button layout for enhanced penetration and faster drilling
- ✓ Wear-resistant carbide buttons for extended bit life
- ✓ Stable performance in abrasive and fractured formations
- ✓ High efficiency and reduced operating costs

RE004



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	卡簧 Circlip	0.03 Kg	01-RE004-01	15	内缸 Inner Cylinder	2.5 Kg	08-RE004-15
02	O形圈 "O"Ring	0.02 Kg	01-RE004-02	16	O形圈 "O"Ring	0.02 Kg	08-RE004-16
03	O形圈 "O"Ring	0.02 Kg	01-RE004-03	17	O形圈 "O"Ring	0.02 Kg	08-RE004-17
04	适配管 Adapter Tube	1.0 Kg	01-RE004-04	18	O形圈 "O"Ring	0.02 Kg	08-RE004-18
05	O形圈 "O"Ring	0.02 Kg	01-RE004-05	19	采集管 Sample Tube	2.6 Kg	08-RE004-19
06	O形圈 "O"Ring	0.02 Kg	01-RE004-06	20	活塞 Piston	10.5 Kg	08-RE004-20
07	接头 Top Sub	7.9 Kg	01-RE004-07	21	外缸 Piston Case	18 Kg	08-RE004-21
08	Y形圈 "Y"Ring	0.02 Kg	01-RE004-08	22	衬套 Guided Sleeve	1.8 Kg	08-RE004-22
09	逆止阀 Check Valve	0.5 Kg	01-RE004-09	23	卡环 Retainer Ring	0.3 Kg	08-RE004-23
10	弹簧 Spring	0.1 Kg	01-RE004-10	24	O形圈 "O"Ring	0.02 Kg	08-RE004-24
11	连接管 Sample Tube Upper	1.1 Kg	01-RE004-11	25	卡钎套 Drive Chuck	3.2 Kg	08-RE004-25
12	碟簧 Disc Spring	0.15 Kg	01-RE004-12	26	耐磨套 Shroud	1.1 Kg	08-RE004-26
13	配气座 Valve Seat	2.0 Kg	01-RE004-13	27	钻头 Drill Bit		08-RE004-27
14	O形圈 "O"Ring	0.02 Kg	01-RE004-14				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1252mm	53 Kg	φ 107mm	4"Remet	RE004	φ 112- φ 127mm
适用气压 Work Pressure					耗风量/Air Consumption
					1.8Mpa 2.4Mpa
1.2-2.5					30 ~ 60 r/min 8.5m ³ /min 12m ³ /min

RE542



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	卡簧 Circlip	0.03	08-RE542-01	17	限位轴套 Sample Tube Retainer	0.88	08-RE542-17
02	O形圈 "O" ring	0.02	08-RE542-02	18	O形圈 "O" ring	0.02	08-RE542-18
03	O形圈 "O" ring	0.02	08-RE542-03	19	O形圈 "O" ring	0.02	08-RE542-19
04	适配管 Adapter Tube	2.83	08-RE542-04	20	O形圈 "O" ring	0.02	08-RE542-20
05	O形圈 "O" ring	0.02	08-RE542-05	21	内缸 Inner Cylinder	6.6	08-RE542-21
06	O形圈 "O" ring	0.02	08-RE542-06	22	O形圈 "O" ring	0.02	08-RE542-22
07	接头 Top Sub	9	08-RE542-07	23	活塞 Piston	11.6	08-RE542-23
08	过滤网 Air Screen	0.1	08-RE542-08	24	外缸 Piston Case	13.7	08-RE542-24
09	挡环 Piston Retaining Ring	0.05	08-RE542-09	25	衬套 Guide Sleeve	2.4	08-RE542-25
10	配气座 Air Distributer	0.6	08-RE542-10	26	O形圈 "O" ring	0.02	08-RE542-26
11	O形圈 "O" ring	0.02	08-RE542-11	27	O形圈 "O" ring	0.02	08-RE542-27
12	采集管 Sample Tube	3.1	08-RE542-12	28	挡环 Sleeve Retainer Ring	0.05	08-RE542-28
13	O形圈 "O" ring	0.02	08-RE542-13	29	卡环 Retainer Ring	0.29	08-RE542-29
14	逆止阀 Check Valve	0.4	08-RE542-14	30	O形圈 "O" ring	0.02	08-RE542-30
15	逆止阀橡胶圈 Rubber Ring	0.02	08-RE542-15	31	卡钎套 Chuck Drive	2.85	08-RE542-31
16	逆止阀弹簧 Check Valve Spring	0.1	08-RE542-16	32	耐磨套 Shroud		08-RE542-32

技术参数 / Technical Parameters

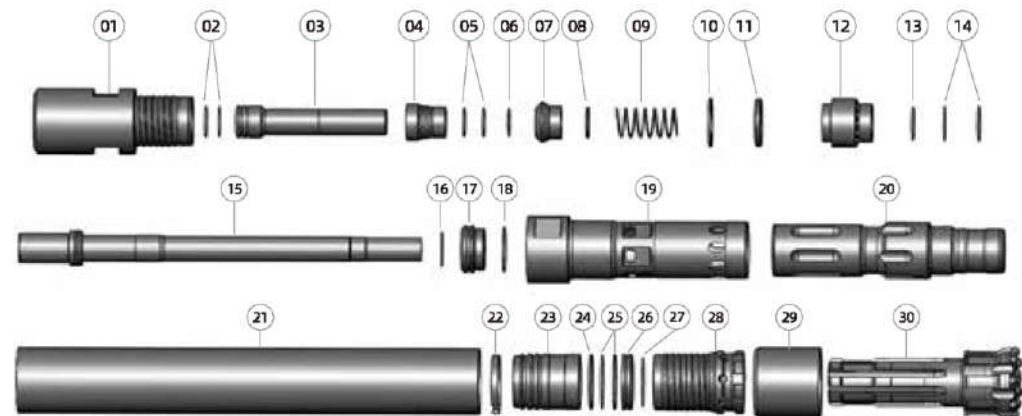
总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range
1192mm	55Kg	φ 110mm	4" Remet螺纹 (可选)	RE542	φ 113- φ 130mm
适用气压 Work Pressure					耗风量/Air Consumption
					1.8Mpa 2.4Mpa
1.2-2.5 Mpa					30 ~ 60 r/min 12m ³ /min 18m ³ /min

PR52



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	卡簧 Circlip	0.03 Kg	08-PR52-01	13	内缸 Inner Tube	3 Kg	08-PR52-13
02	O形圈 "O"Ring	0.02 Kg	08-PR52-02	14	活塞 Piston	18 Kg	08-PR52-14
03	O形圈 "O"Ring	0.02 Kg	08-PR52-03	15	外缸 Piston Case	22.5 Kg	08-PR52-15
04	采集管 Sample Tube	7.2 Kg	08-PR52-04	16	O形圈 "O"Ring	0.02 Kg	08-PR52-16
05	过滤筛 Air Screen	0.14 Kg	08-PR52-05	17	O形圈 "O"Ring	0.02 Kg	08-PR52-17
06	接头 Top Sub	13.5 Kg	08-PR52-06	18	衬套 Guided Sleeve	1.9 Kg	08-PR52-18
07	逆止阀 Check Valve	0.6 Kg	08-PR52-07	19	卡环 Retainer Ring	0.3 Kg	08-PR52-19
08	弹簧 Spring	0.1 Kg	08-PR52-08	20	O形圈 "O"Ring	0.02 Kg	08-PR52-20
09	O形圈 "O"Ring	0.02 Kg	08-PR52-09	21	卡钎套 Drive Chuck	4.1 Kg	08-PR52-21
10	O形圈 "O"Ring	0.02 Kg	08-PR52-10	22	耐磨套 Shroud	1.6 Kg	08-PR52-22
11	配气座 Valve Seat	1.4 Kg	08-PR52-11	23	钻头 Drill Bit		08-PR52-23
12	O形圈 "O"Ring	0.02 Kg	08-PR52-12				

PR54R



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	11.5	08-PR54R-01	16	O形圈 "O" ring	0.02	08-PR54R-16
02	O形圈("O" ring) X2	0.02X2	08-PR54R-02	17	限位轴套 Sample Tube Retainer	1	08-PR54R-17
03	联接管 Adapter Tube	2.27	08-PR54R-03	18	O形圈 "O" ring	0.02	08-PR54R-18
04	过滤筛 Air Screen	0.39	08-PR54R-04	19	内缸 Inner Cylinder	8.25	08-PR54R-19
05	O形圈("O" ring) X2	0.02X2	08-PR54R-05	20	活塞 Piston	16.7	08-PR54R-20
06	卡簧 Circlip	0.03	08-PR54R-06	21	外缸 Piston Case	23.5	08-PR54R-21
07	逆止阀 Check Valve	0.4	08-PR54R-07	22	挡环 Piston Retaining Ring	0.1	08-PR54R-22
08	逆止阀胶圈 Rubber Spacer	0.1	08-PR54R-08	23	衬套 Guide Sleeve	2.5	08-PR54R-23
09	逆止阀弹簧 Check Valve Spring	0.1	08-PR54R-09	24	O形圈 "O" ring	0.02	08-PR54R-24
10	垫圈 Gasket	0.1	08-PR54R-10	25	O形圈("O" ring) X2	0.02X2	08-PR54R-25
11	橡胶垫圈 Rubber Spacer	0.1	08-PR54R-11	26	卡环 Retainer Ring	0.4	08-PR54R-26
12	配气座 Air Distributer	1.58	08-PR54R-12	27	O形圈 "O" ring	0.02	08-PR54R-27
13	O形圈 "O" ring	0.02	08-PR54R-13	28	卡钎套 Chuck Drive	4.1	08-PR54R-28
14	O形圈("O" ring) X2	0.02X2	08-PR54R-14	29	耐磨套 Shroud		08-PR54R-29
15	采集管 Shroud	7.43	08-PR54R-15				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1208mm	75.2Kg	φ 126mm	4 1/2"Remet	PR52	φ 130- φ 146mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.0 Mpa	30 ~ 60 r/min	16m ³ /min	22m ³ /min		

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range
1294mm	81Kg	φ 130mm	4 1/2 "Remet螺纹 (可选)	PR54R	φ 135- φ 150mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量/Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.0 Mpa	30 ~ 60 r/min	16m ³ /min	22m ³ /min		



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HONG KONG

06

ADAPTER TUBE AND DRILL PIPE

Reliable connection
for efficient drilling
performance.



ADAPTER CONNECTION AND DRILL PIPE

Engineered for secure
connections and optimal
power transmission.
Built to withstand
demanding drilling
conditions.



DRILL ROD ADAPTER TUBE AND DTH DRILL ROD

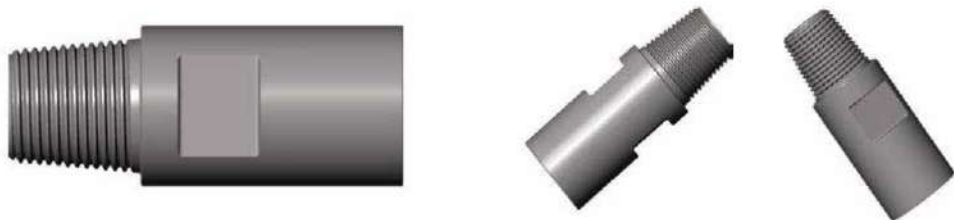
Adapter tubes are a critical link
in drilling systems, providing
a stable and efficient connection
between drill rods and bit shanks
to ensure maximum performance
and durability.

Drill Rod Adapter Tube

过渡接头

过渡接头可以根据客户要求定制
adapter sub can be manufactured by customer specifications

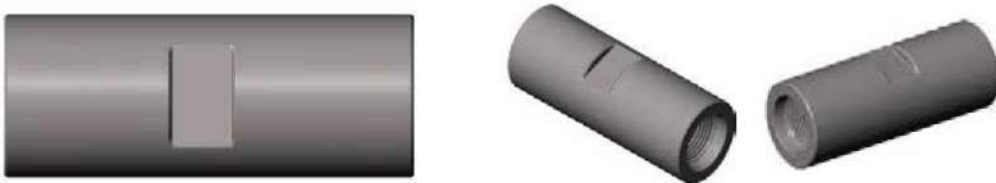
Pin-Box Adapter Tube
公母接头



Pin-Pin Adapter Tube
公公接头



Box-Box Adapter Tube
母母接头



公母接头规格/Pin-Box Adapter Tubes

编号 number	接头型号	尺寸A (mm) Size A	尺寸B (mm) Size A	尺寸C (mm) Size A	铁方尺寸D (mm) Wrench Flat
1	2-3/8公-2-3/8母过渡接头	25	45	ø78	57
2	2-3/8IF公-2-3/8母过渡接头	25	45	ø89	70
3	2-3/8IF公-2-3/8IF母过渡接头	25	45	ø89	70
4	2-3/8公-2-7/8母过渡接头	25	45	ø102	70
5	2-7/8IF公-2-7/8IF母过渡接头	25	45	ø108	85
6	3-1/2公-3-1/2母过渡接头	25	50	ø114	95

公公接头规格/Pin-Pin Adapter Tubes

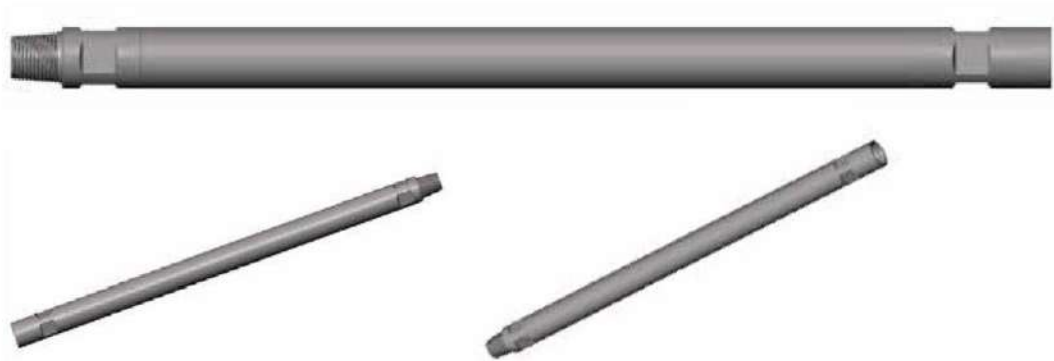
编号 number	接头型号	尺寸A (mm) Size A	尺寸B (mm) Size A	尺寸C (mm) Size A	铁方尺寸D (mm) Wrench Flat
1	2-3/8公-2-3/8公过渡接头	21	45	ø89	70
2	3-1/2公-3-1/2公过渡接头	23	50	ø114	95
3	3-1/2公-4-1/2公过渡接头	30	50	ø140	102
4	4-1/2公-4-1/2公过渡接头	30	50	ø140	102

母母接头规格/Box-Box Adapter Tubes

编号 number	接头型号	尺寸A (mm) Size A	尺寸B (mm) Size A	尺寸C (mm) Size A	铁方尺寸D (mm) Wrench Flat
1	2-3/8母-2-3/8母过渡接头	97	45	ø89	70
2	2-3/8母-2-7/8母过渡接头	115	50	ø102	85
3	2-3/8IF母-3-1/2母过渡接头	102	50	ø114	95
4	2-7/8母-3-1/2母过渡接头	122	50	ø114	95

Drill Rod Adapter

钻杆



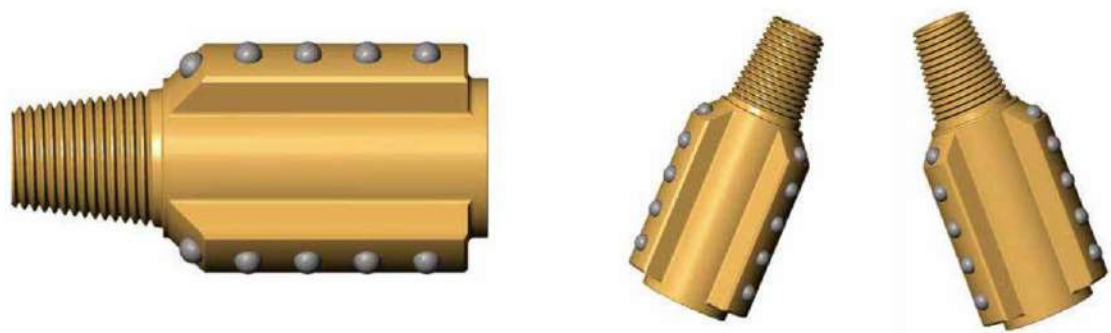
钻杆规格/

编号 Number	接头型号 Adapter	尺寸A Size A (mm)	尺寸B Size B (mm)	尺寸C Size C (mm)	尺寸D Size D (mm)	尺寸E Size E (mm)	尺寸F Size F (mm)	钳方尺寸G Wrench Flat (mm)
1	ø64钻杆 (6度螺纹)	20	50	85	50	ø64	1500	55
2	ø76钻杆 (2-3/8REG)	25	50	100	50	ø76	3000	57
3	ø76钻杆 (2-3/8REG)	25	50	100	50	ø76	3000	64
4	ø89钻杆 (2-3/8IF)	30	50	125	50	ø89	3000	65
5	ø89钻杆 (2-3/8IF)	30	50	125	50	ø89	3000	70
6	ø102钻杆 (2-7/8IF)	35	55	110	55	ø102	3000	85
7	ø108钻杆 (2-7/8IF)	35	55	110	55	ø108	3000	85



Stablizer

钻杆扶正器示意图





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07

CONSTRUCTION & PILING – BIG HOLE DRILLING PRODUCT

High-performance drilling
solutions for foundation
engineering and water
well applications.



FEATURES

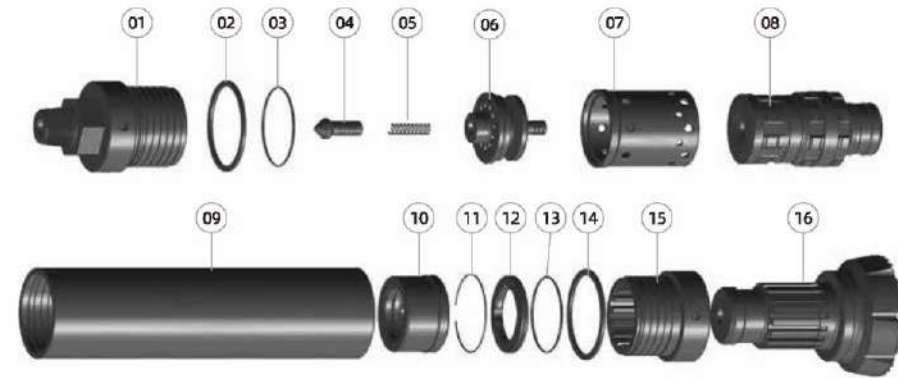
- Optimized for large diameter drilling in various soil and rock conditions.
- High drilling efficiency with stable and precise operation.
- Built for demanding projects such as foundation piles and deep water wells.



ADVANTAGES

- Robust design ensures long service life and reliability.
- Capable of handling complex geological formations.
- Cost-effective solution with low maintenance and high productivity.

SP1880

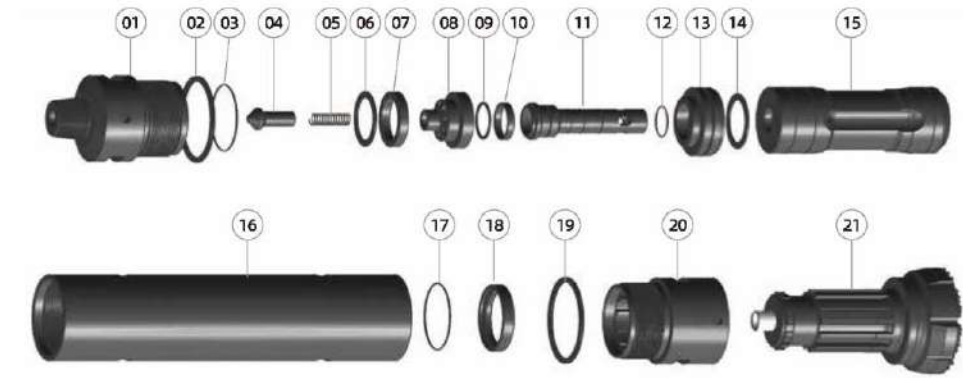


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	361.5Kg	01-SP1880-01	09	外缸 Piston Case	493 Kg	01-SP1880-09
02	垫片 Adjuster Shim	4 Kg	01-SP1880-02	10	衬套 Guided Sleeve	69 Kg	01-SP1880-10
03	O形圈 "O"Ring	0.1 Kg	01-SP1880-03	11	挡圈 Check Ring	1 Kg	01-SP1880-11
04	逆止阀 Check Valve	3.4 Kg	01-SP1880-04	12	卡环 Retainer Ring	14.8 Kg	01-SP1880-12
05	弹簧 Spring	0.4 Kg	01-SP1880-05	13	O形圈 "O"Ring	0.08 Kg	01-SP1880-13
06	配气座 Valve Seat	76 Kg	01-SP1880-06	14	垫片 Adjuster Shim	4 Kg	01-SP1880-14
07	内缸 Inner Cylinder	54.5 Kg	01-SP1880-07	15	卡钎套 Drive Chuck	134 Kg	01-SP1880-15
08	活塞 Piston	366 Kg	01-SP1880-08	16	钻头 Drill Bit		01-SP1880-16

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
1957mm	1582Kg	φ 445mm	API8 5/8"REG	SP1880	φ 500- φ 680mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 /Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.3 Mpa	20-40 r/min	73m ³ /min	97m ³ /min		

ND180

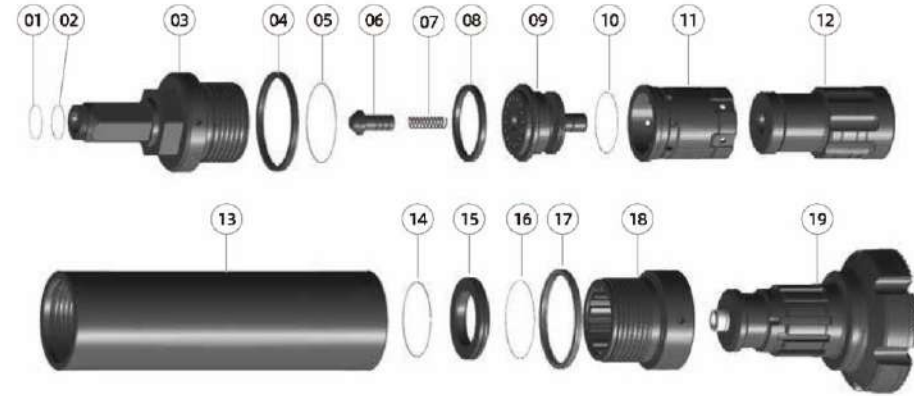


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	接头 Top Sub	274 Kg	01-YC410-01	11	配气杆 Rigid Valve	22.3 Kg	01-YC410-11
02	垫片 Adjuster Shim	2.9 Kg	01-YC410-02	12	O形圈 "O"Ring	0.03 Kg	01-YC410-12
03	O形圈 "O"Ring	0.03 Kg	01-YC410-03	13	杆座 Valve Seat	50 Kg	01-YC410-13
04	逆止阀 Check Valve	3.4 Kg	01-YC410-04	14	O形圈 "O"Ring	0.03 Kg	01-YC410-14
05	弹簧 Spring	0.3 Kg	01-YC410-05	15	活塞 Piston	347 Kg	01-YC410-15
06	调整圈 Adjuster Ring	1.5 Kg	01-YC410-06	16	外缸 Piston Case	562 Kg	01-YC410-16
07	尼龙垫 Nylon washer	1.2 Kg	01-YC410-07	17	挡圈 Check Ring	0.3 Kg	01-YC410-17
08	配气座 Valve Seat	26.4 Kg	01-YC410-08	18	卡环 Retainer Ring	10 Kg	01-YC410-18
09	调整圈 Regulate ring	0.4 Kg	01-YC410-09	19	垫片 Adjuster Shim	2.9 Kg	01-YC410-19
10	橡胶垫 Rubber Buffer	0.3 Kg	01-YC410-10	20	卡钎套 Drive Chuck	155 Kg	01-YC410-20

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
2162mm	1460Kg	φ 410mm	API8 5/8"REG	ND180	φ 295- φ 400mm
适用气压 Work Pressure	推荐转速 Recommended rotation speed	耗风量 /Air Consumption			
		1.8Mpa	2.4Mpa		
1.5-3.5 Mpa	25 ~ 40 r/min	63m ³ /min	85m ³ /min		

SW530

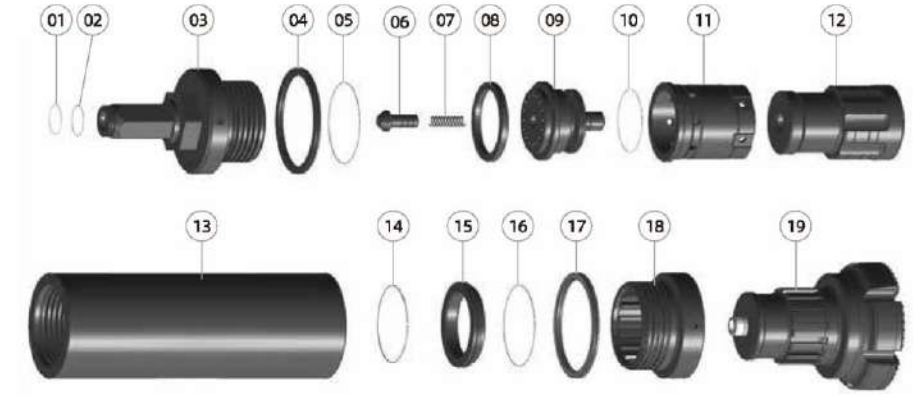


Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	O形圈 "O"Ring	0.05 Kg	01-SW530-01	11	内缸 Inner Cylinder	93 Kg	01-SW530-11
02	O形圈 "O"Ring	0.05 Kg	01-SW530-02	12	活塞 Piston	454.5 Kg	01-SW530-12
03	接头 Top Sub	534 Kg	01-SW530-03	13	外缸 Piston Case	1139.5Kg	01-SW530-13
04	垫片 Adjuster Shim	8 Kg	01-SW530-04	14	挡圈 Piston Retaining Ring	0.3 Kg	01-SW530-14
05	O形圈 "O"Ring	0.1 Kg	01-SW530-05	15	卡环 Retainer Ring	33 Kg	01-SW530-15
06	逆止阀 Check Valve	7.5 Kg	01-SW530-06	16	O形圈 "O"Ring	0.1 Kg	01-SW530-16
07	弹簧 Spring	0.4 Kg	01-SW530-07	17	垫片 Adjuster Shim	8 Kg	01-SW530-17
08	橡胶垫 Rubber Buffer	1.5 Kg	01-SW530-08	18	卡钎套 Driver Chuck	246.8Kg	01-SW530-18
09	配气座 Valve Seat	134 Kg	01-SW530-09	19	钻头 Drill Bit		01-SW530-19
10	O形圈 "O"Ring	0.1 Kg	01-SW530-10				

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
2438mm	2660.5Kg	φ 530mm	320 六方	SW530	φ 600- φ 800mm
适用气压 Work Pressure				耗风量 / Air Consumption	
				1.8Mpa	2.4Mpa
1.5-3.5 Mpa				85m³/min	110m³/min

SW640



Ref.	部件 Parts	单重 Weight	件号 Part No	Ref.	部件 Parts	单重 Weight	件号 Part No
01	O形圈 "O"Ring	0.05 Kg	01-SW640-01	11	内缸 Innre Cylinder	137.6Kg	01-SW640-11
02	O形圈 "O"Ring	0.05 Kg	01-SW640-02	12	活塞 Piston	626.3Kg	01-SW640-12
03	接头 Top Sub	705.5Kg	01-SW640-03	13	外缸 Piston Case	1797 Kg	01-SW640-13
04	垫片 Adjuster Shim	15.4 Kg	01-SW640-04	14	挡圈 Piston Retaining Ring	0.4 Kg	01-SW640-14
05	O形圈 "O"Ring	0.2 Kg	01-SW640-05	15	卡环 Retainer Ring	42.3 Kg	01-SW640-15
06	逆止阀 Check Valve	7.5 Kg	01-SW640-06	16	O形圈 "O"Ring	0.2 Kg	01-SW640-16
07	弹簧 Spring	0.4 Kg	01-SW640-07	17	垫片 Adjuster Shim	15.4 Kg	01-SW640-17
08	橡胶垫 Rubber Buffer	3 Kg	01-SW640-08	18	卡钎套 Drive Chuck	240.4 Kg	01-SW640-18
09	配气座 Valve Seat	203.6Kg	01-SW640-09	19	钻头 Drill Bit		01-SW640-19
10	O形圈 "O"Ring	0.2 Kg	01-SW640-10				

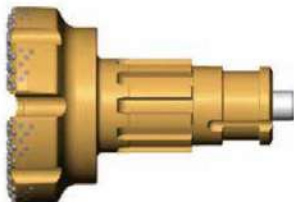
技术参数 / Technical Parameters

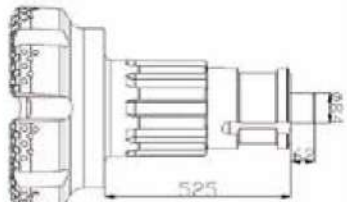
总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	钻头钎柄 Bit Shank	钻孔范围 Hole Range
2390mm	3795.5Kg	φ 640mm	320 六方	SW640	φ 720- φ 1000mm
适用气压 Work Pressure				耗风量 / Air Consumption	
				1.8Mpa	2.4Mpa
1.5-3.5 Mpa				92m³/min	122m³/min

Piling Bits

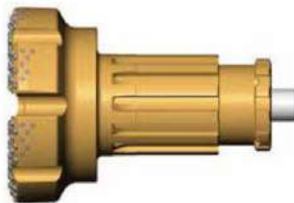
大孔径钻头

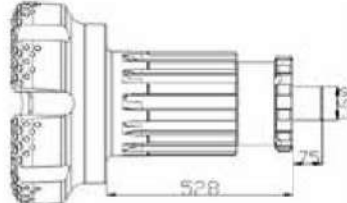
桩孔系列钻头/Piling Drill Bit





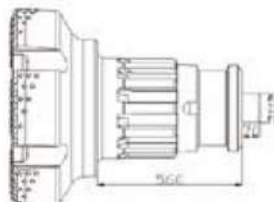
型号 Model	花键数 Spline	尾部长 Tail length
SW370	10	525
钻孔范围 Hole range		450-600mm





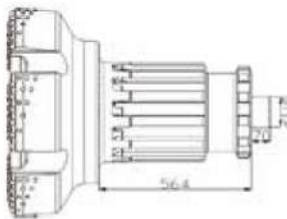
型号 Model	花键数 Spline	尾部长 Tail length
SW410	12	528
钻孔范围 Hole range		500-800mm





型号 Model	花键数 Spline	尾部长 Tail length
SW530	12	560
钻孔范围 Hole range		600-1000mm

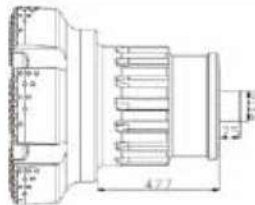




型号 Model	花键数 Spline	尾部长 Tail length
N240	12	564
钻孔范围 Hole range		600-1000mm

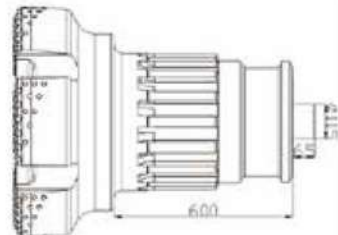
桩孔系列钻头/Piling Drill Bit

A 3D perspective view of the SW640 Piling Drill Bit, showing its hexagonal base, splined shaft, and a small central pin at the end.

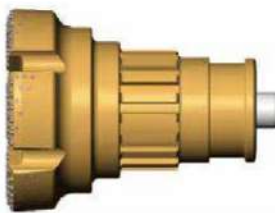
A technical side-view drawing of the SW640 Piling Drill Bit. It shows the hexagonal base with mounting holes, the splined shaft, and a dimension line indicating a length of 477mm for the main body.

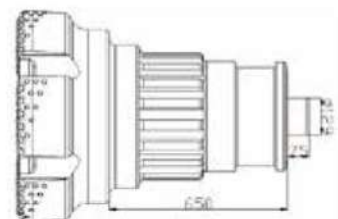
型号 Model	花键数 Spline	尾部长 Tail length
SW640	16	477
钻孔范围 Hole range		700-1200mm

A 3D perspective view of the 640SN Piling Drill Bit, showing its hexagonal base, splined shaft, and a small central pin at the end.

A technical side-view drawing of the 640SN Piling Drill Bit. It shows the hexagonal base with mounting holes, the splined shaft, and a dimension line indicating a length of 600mm for the main body.

型号 Model	花键数 Spline	尾部长 Tail length
640SN	16	600
钻孔范围 Hole range		700-1200mm

A 3D perspective view of the SW800S Piling Drill Bit, showing its hexagonal base, splined shaft, and a small central pin at the end.

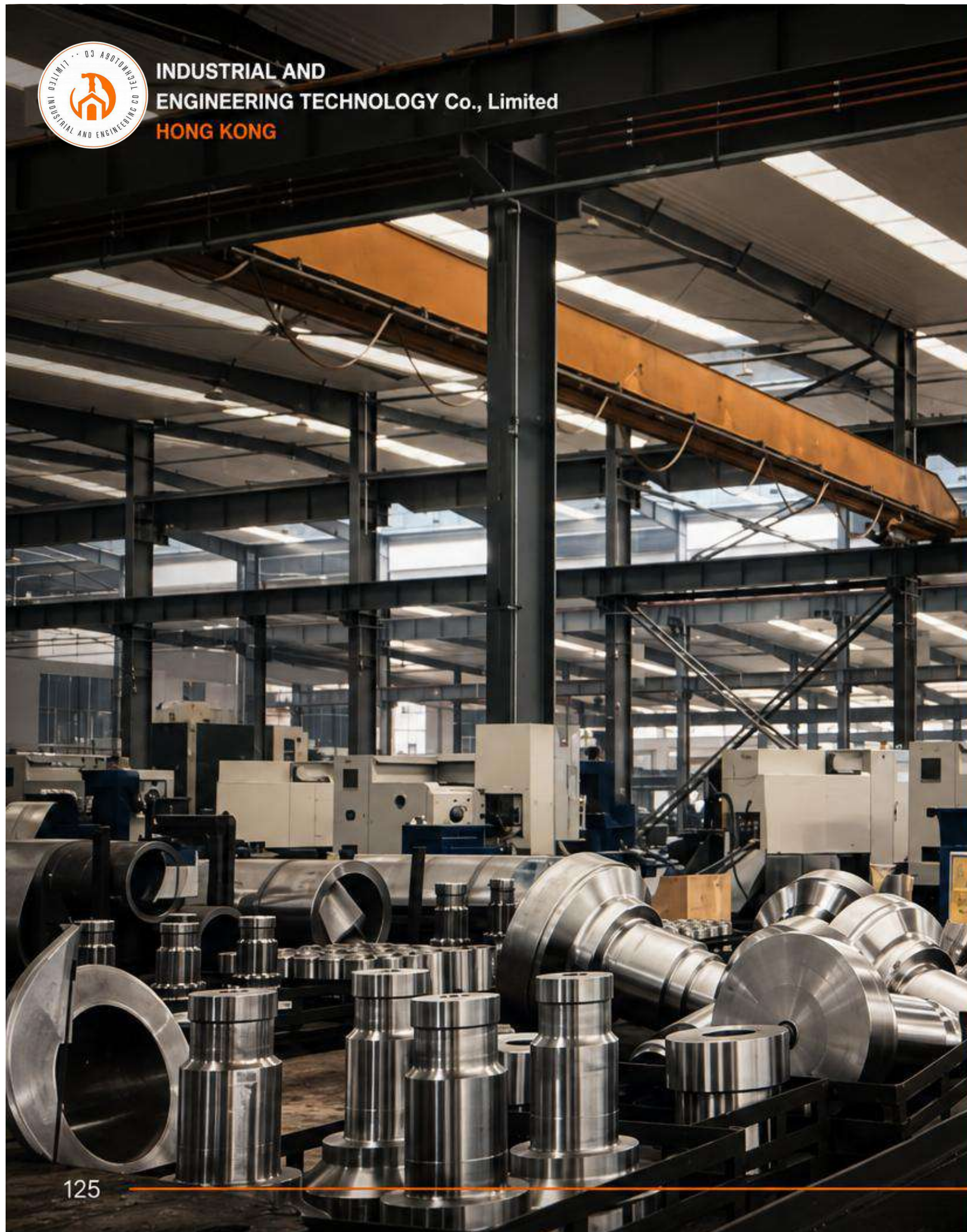
A technical side-view drawing of the SW800S Piling Drill Bit. It shows the hexagonal base with mounting holes, the splined shaft, and a dimension line indicating a length of 650mm for the main body.

型号 Model	花键数 Spline	尾部长 Tail length
SW800S	18	650
钻孔范围 Hole range		900-1250mm





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HONG KONG



08

OTHER PARTS

Tools and Components

High-quality components and accessories to support reliable drilling operations.



PREMIUM QUALITY

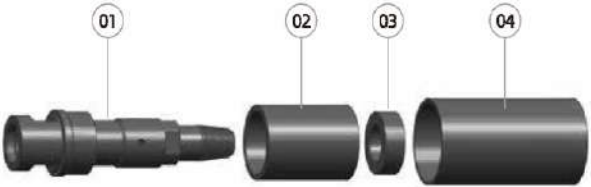
Manufactured to strict standards for long service life and consistent performance.



WIDE COMPATIBILITY

Designed to fit a variety of drilling tools and equipment for maximum flexibility on the job.

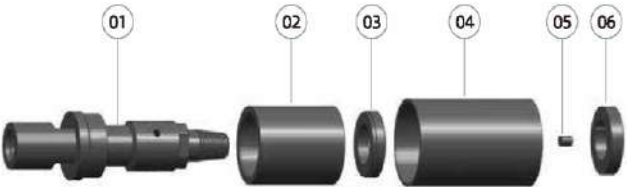
BH140

BH140反打冲击器/Back Hammer	Ref.	部件 Parts	单重 Weight	件号 Part No.
	01	芯轴 Mandrel	16.5 Kg	20-BH140-01
	02	活塞 Piston	8.7 Kg	20-BH140-02
	03	撞块 Bumping Block	2 Kg	20-BH140-03
	04	外套管Outer Casing	6.7 Kg	20-BH140-04

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	接头螺纹 Connection Thread
420mm	34Kg	φ 155mm	API2 3/8"REG	0.8-1.7 Mpa

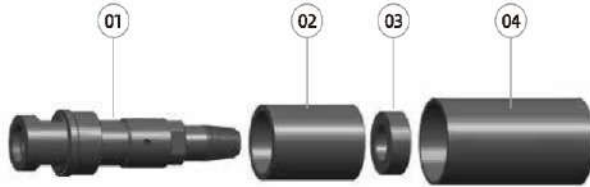
BH170

BH170反打冲击器/Back Hammer	Ref.	部件 Parts	单重 Weight	件号 Part No.
	01	芯轴 Mandrel	32 Kg	20-BH170-01
	02	活塞 Piston	18 Kg	20-BH170-02
	03	撞块 Bumping Block	2.5 Kg	20-BH170-03
	04	外套管Outer Casing	9 Kg	20-BH170-04
	05	平键 Flat Key	0.1 Kg	20-BH170-05
	06	垫块 Cushion Block	2.7 Kg	20-BH170-06

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	接头螺纹 Connection Thread
606 mm	64.5 Kg	φ 190mm	API3 1/2"REG	0.8-2.5 Mpa

BH190

BH190反打冲击器/Back Hammer	Ref.	部件 Parts	单重 Weight	件号 Part No.
	01	芯轴 Mandrel	42.5 Kg	20-BH190-01
	02	活塞 Piston	25.2 KG	20-BH190-02
	03	撞块 Bumping Block	3.4 Kg	20-BH190-03
	04	外套管Outer Casing	13.5 Kg	20-BH190-04

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	接头螺纹 Connection Thread
560 mm	84.5 Kg	φ 220mm	API3 1/2"REG	0.8-3.0 Mpa

BH240

BH240反打冲击器/Back Hammer	Ref.	部件 Parts	单重 Weight	件号 Part No.
	01	芯轴 Mandrel	71.5 Kg	20-BH240-01
	02	活塞 Piston	44.3 KG	20-BH240-02
	03	撞块 Bumping Block	7.8 Kg	20-BH240-03

技术参数 / Technical Parameters

总长 (不含钻头) Length(Less bit)	总重 Weight	冲击器外径 Outer Diameter	接头螺纹 Connection Thread	接头螺纹 Connection Thread
600mm	123.5 Kg	φ 240mm	API4 1/2"REG	0.8-3.0 Mpa

Breakout Bench

拆卸台



冲击器拆卸工作台使用方法:

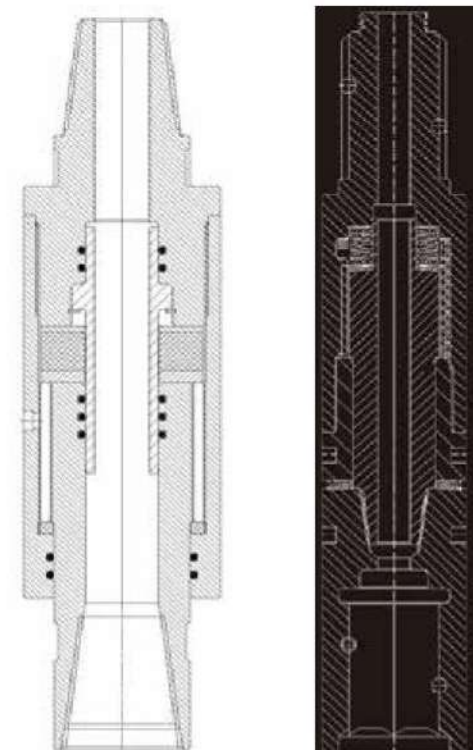
- ① 把冲击器放进卸钎器里边。
- ② 调节冲击器和扳手的位置，使扳手卡住接头方口处，并与千斤顶处于同一平面内。
- ③ 用螺丝固定好K形座。
- ④ 用相应螺丝将扳手固定紧。
- ⑤ 缓慢上下摇动千斤顶把手，将冲击器慢慢卸开。
- ⑥ 接头拆卸完毕后，将千斤顶回油，回油完后，松开螺丝，放下扳手，卸下K形座，将冲击器调头。
- ⑦ 调节冲击器和扳手的位置，使扳手卡住卡钎套并与千斤顶处于同一平面内。
- ⑧ 调整冲击器。
- ⑨ 放入K形座，并用螺丝将K形座及扳手固定好。
- ⑩ 缓慢上下摇动千斤顶把手，将冲击器慢慢卸开。

Breakout Bench Operation Method:

- ① Put hammer in the bench.
- ② Adjust hammer and wrench to make wrench block at top sub; let wrench and jack be in the same plane.
- ③ Fix K-shaped base with nut.
- ④ Fix wrench with nuts.
- ⑤ Sway jack handle slowly to unlink hammer .
- ⑥ After top sub dismantled, grease jack, release nuts, discharge K-shaped base and turn around hammer.
- ⑦ Adjust hammer and wrench to make wrench block drive chuck; let wrench and jack be in the same plane.
- ⑧ Adjust hammer.
- ⑨ Fix K-shaped base and wrench with nuts.
- ⑩ Sway jack handle slowly to unlink hammer.

Shock Absorber

缓冲器



名称 Name	接头规格 Adapter	直径*长度(mm) Diameter*Length
12寸缓冲器	6-5/8REG	270*795
14寸缓冲器	273hexagonal	355*882
18寸缓冲器	273hexagonal	457*1110
24寸缓冲器	320hexagonal	600*1344
28寸缓冲器	320hexagonal	640*1540

Drilling Accessories

钻机配件



钻机孔套
Rig Deck Bush



钻杆拆卸扳手
Rod Spanner



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