

HBR1A、HBR2A和HBR3A潜孔冲击器是一种
可与BR系列钻头相配的中低风压冲击器。

其主要特点如下：

1. 适应工作风压为0.7-1.75MPA。
2. 该冲击器为无阀冲击器。
3. 结构简单、拆卸容易、寿命长。
4. 冲击功率大，钻进速度快。
5. 耗风量小，能耗低。当需要加大排渣
时，可在逆止阀上钻孔。
6. 特别适应于石材开采。

HBR1A, HBR2A and HBR3A series DTH Hammers are designed to operate efficiently at low air pressures and medium air pressures, using BR series bits.

The main features are as follows:

1. The operating air pressures are between 0.7MPA and 1.75MPA.
2. Valveless hammers.
3. Simple structure, easy to assemble and to disassemble, long life.
4. Higher impact frequency and faster drilling speed.
5. lower air consumption and lower oil consumption. A hole can be drilled on the check valve to provide more efficient cuttings discharge.
6. Especially suitable for quarrying.

中低风压冲击器名称解释

Explanation of Middle-Low Air Pressure DTH Hammer code

例：H B R 2 A

H—Heijingang (黑金刚)简称

BR2—可与CIR钻头相配

A—该冲击器内部结构与本公司不带尼龙管冲击器相似

For example: H B R 2 A

H—Heijingang (Our company name)

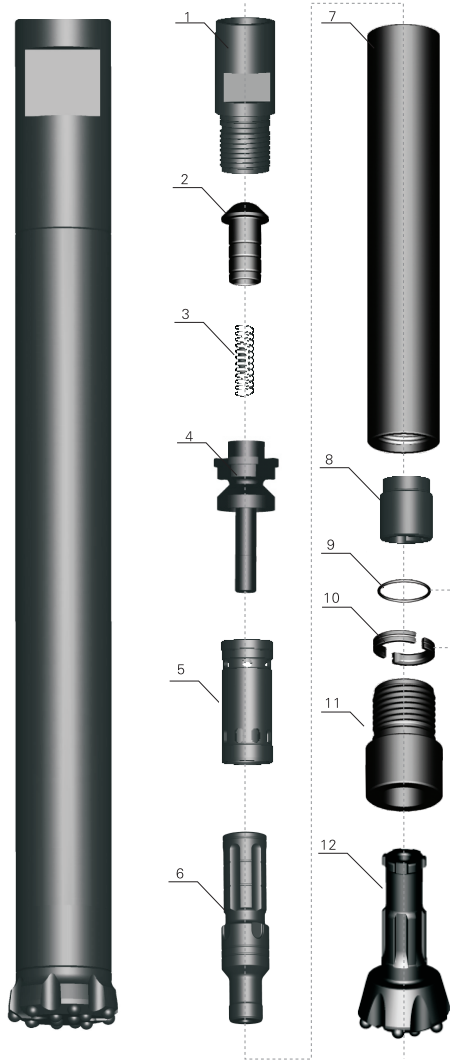
BR2—BR2 Bit Shank

A—The structure of the hammer is similar to other valveless hammers manufactured by our company.



正因为有了压力,喷泉才会比普通水流更为美丽。
Right for the pressure, the fountain blossoms more beautiful than the normal stream.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	1.70	HBR101
2、逆 止 阀 Check Valve	0.10	HBR102
3、弹 簧 Spring	0.05	HBR103
4、配 气 座 Air Distributor	0.80	HBR104
5、内 缸 Internal Cylinder	0.80	HBR105
6、活 塞 Piston	1.20	HBR106
7、外 缸 External Cylinder	4.00	HBR107
8、衬 套 Guided Sleeve	0.15	HBR108
9、卡环O形圈 Stop Ring "O" Ring	0.05	HBR109
10、卡 环 Stop Ring	0.10	HBR110
11、卡 钎 套 Drive Chuck	0.80	HBR111
12、钻 头 Drill Bit	1.70	HBR112

技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
760mm	10.00Kg	Φ54mm	BR1	Φ64—Φ76	RD40 BOX
可用工作风压 Working Pressure	在1.4Mpa时的冲击频率 Impact rate at 1.4Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			0.7Mpa	1.0Mpa	1.4Mpa
0.7—1.75Mpa	27HZ	25—40r/min	1.5m ³ /min	2.5m ³ /min	3m ³ /min

胸怀有多大, 事业就有多大。
How broad your heart is, how grand your undertaking is.



黑金刚
Black Diamond

HBR2A 潜孔冲击器 HBR2A DTH HAMMER

中低风压冲击器系列
Middle-Low Air Pressure DTH Hammer

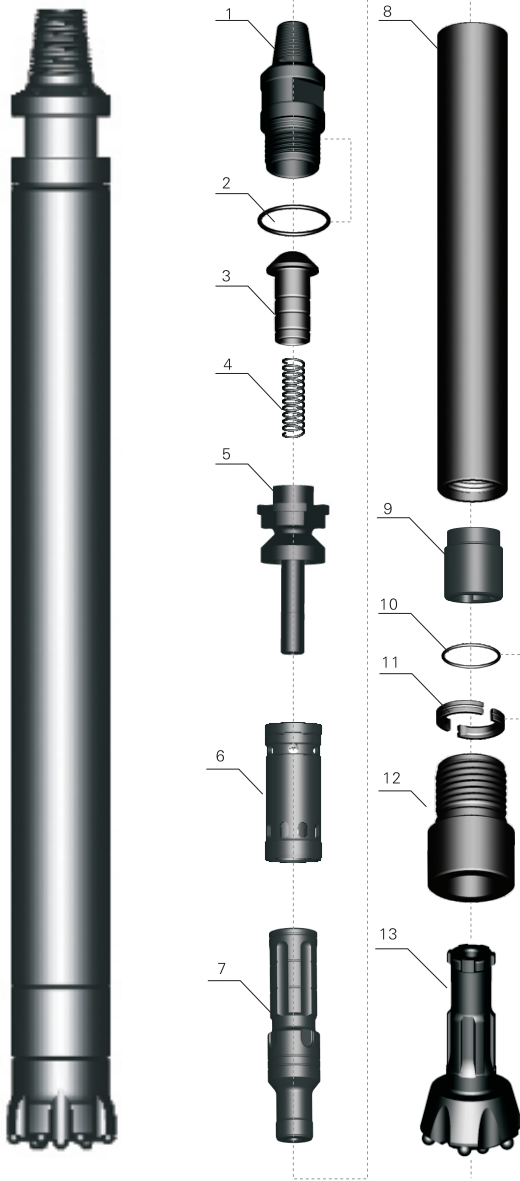
	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接头 Top Sub	2.60	HBR201
2、逆止阀 Check Valve	0.10	HBR202	
3、弹簧 Spring	0.05	HBR203	
4、配气座 Air Distributor	0.60	HBR204	
5、内缸 Internal Cylinder	0.80	HBR205	
6、活塞 Piston	3.80	HBR206	
7、外缸 External Cylinder	4.50	HD2507	
8、衬套 Guided Sleeve	0.60	HBR208	
9、卡环O形圈 Stop Ring "O" Ring	0.005	HBR209	
10、卡环 Stop Ring	0.10	HBR210	
11、卡钎套 Drive Chuck	1.20	HBR211	
12、钻头 Drill Bit	2.50	HBR212	

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
880mm	14.50Kg	Φ62mm	BR2	Φ70—Φ90	RD50 BOX
可用工作风压 Working Pressure	在1.4Mpa时的冲击频率 Impact rate at 1.4Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			0.7Mpa	1.0Mpa	1.4Mpa
0.7—1.75Mpa	25HZ	25—40r/min	2.5m ³ /min	4m ³ /min	5m ³ /min

正因为有了压力,喷泉才会比普通水流更为美丽。
Right for the pressure,the fountain blossoms more beautiful than the normal stream.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	5.20	HBR3A01
2、接头O形圈 "O" Ring of Top Sub	0.01	HBR3A02
3、逆 止 阀 Check Valve	0.20	HBR3A03
4、弹 簧 Spring	0.02	HBR3A04
5、配 气 座 Air Distributor	0.80	HBR3A05
6、内 缸 Internal Cylinder	1.30	HBR3A06
7、活 塞 Piston	5.50	HBR3A07
8、外 缸 External Cylinder	9.50	HBR3A08
9、衬 套 Guided Sleeve	1.00	HBR3A09
10、卡环O形圈 "O" Ring of Stop Ring	0.05	HBR3A10
11、卡 环 Stop Ring	0.15	HBR3A11
12、卡 钎 套 Drive Chuck	2.00	HBR3A12
13、钻 头 Drill Bit	4.00	HBR3A13

技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
889mm	26.00Kg	Φ82mm	BR3	Φ90—Φ110	API 2 $\frac{3}{8}$ " Reg
可用工作风压 Working Pressure	在1.4Mpa时的冲击频率 Impact rate at 1.4Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			0.7Mpa	1.0Mpa	1.4Mpa
0.7—1.75Mpa	25HZ	25—40r/min	4m ³ /min	6m ³ /min	8m ³ /min

成功的秘诀无他,吃必要的苦,耐必要的劳。
The recipe for success: bear the essential, endure the essential pains.



这种类型冲击器是我公司自行设计的
无阀高风压冲击器。

其主要特点如下：

1. 采用无阀方式配气，配气可靠。
2. 活塞构造简单，寿命长。
3. 能量传递理想，钻进速度快，耗气量少，油耗低。
4. 所用部件少，结构简单，加上各部件均硬化处理，因此，工作寿命长，故障少，维修方便。
5. 接头和长钎套采用多头螺纹与外缸联接，因此，拆卸容易。

It is a kind of valveless high air pressure DTH Hammer.

It has the following advantages:

1. Valveless air distribution. More reliable.
2. Simple design of the piston, long life.
3. More efficient energy transfer, faster drilling speed, lower air consumption and lower oil consumption.
4. Fewer internal parts, simple structure, longer life, less failure and easier to maintain because all the parts are heat treated.
5. Easy to disassemble because the top sub, the drive chuck and the external cylinder are connected by multi-step thread.

有尼龙管高风压冲击器名称解释

Explanation of High Air Pressure DTH Hammer with foot valve code

例1：HD55

H—Heijingang(黑金刚)简称
R—可D所配钻头为DHD系列
5—表示冲击器的公称尺寸,5英寸冲击器
5—表示第五代冲击器

例2：HQL4

H—Heijingang(黑金刚)简称
QL4—可与QL40钻头相配

For example 1: HD55

H—Heijingang(Our company name)
D—DHD Bit Shank
5—5" hammer
5—The Fifth Generation Hammer

For example 2: HQL4

H—Heijingang(Our company name)
QL4—QL40 Bit Shank



	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接 头 Top Sub	4.20	HD3501
2、接头O形圈 “O” Ring of Top Sub	0.01	HD3502	
3、逆 止 阀 Check Valve	0.20	HD3503	
4、弹 簧 Spring	0.02	HD3504	
5、承 压 垫 Compression Buffer	0.02	HD3505	
6、配 气 座 Air Distributor	1.40	HD3506	
7、内 缸 Internal Cylinder	1.50	HD3507	
8、活 塞 Piston	5.60	HD3508	
9、外 缸 External Cylinder	9.90	HD3509	
10、卡环O形圈 “O” Ring of Stop Ring	0.01	HD3510	
11、卡 环 Stop Ring	0.15	HD3511	
12、卡 钎 套 Drive Chuck	1.90	HD3512	
13、钻 头 Drill Bit	5.00	HD3513	

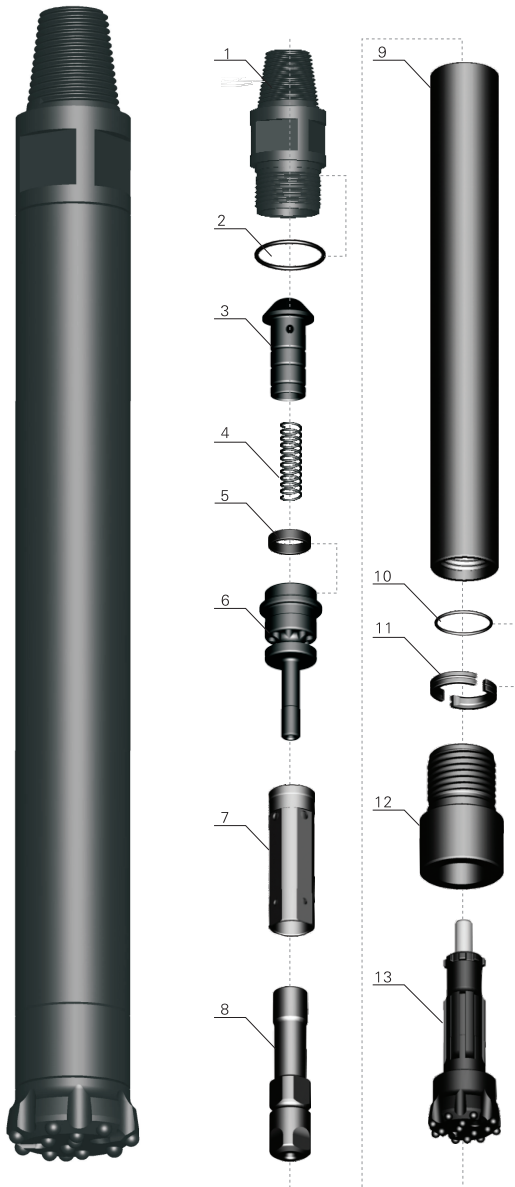
技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
930mm	25.00Kg	Φ82mm	DHD3.5	Φ90—Φ110	API 2 $\frac{3}{8}$ " Reg
可用工作风压 Working Pressure	在1.5Mpa时的冲击频率 Impact rate at 1.5Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.5Mpa	
1.0—1.5Mpa	28HZ	25—40r/min	4.5m ³ /min	9.0m ³ /min	



当时努力时,上帝看得见。
Good will prove your efforts.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	6.50	HD4501
2、接头O形圈 “O” Ring of Top Sub	0.01	HD4502
3、逆 止 阀 Check Valve	0.42	HD4503
4、弹 簧 Spring	0.04	HD4504
5、承 压 垫 Compression Buffer	0.04	HD4505
6、配 气 座 Air Distributor	2.20	HD4506
7、内 缸 Internal Cylinder	2.30	HD4507
8、活 塞 Piston	9.00	HD4508
9、外 缸 External Cylinder	15.00	HD4509
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HD4510
11、卡 环 Stop Ring	0.20	HD4511
12、卡 钎 套 Drive Chuck	3.50	HD4512
13、钻 头 Drill Bit	9.00	HD4513
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。 According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>		

技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1030mm	39.00Kg	Φ99mm	Cop44 DHD340	Φ110—Φ135	API 2 3/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	27HZ	25—40r/min	6m³/min	10m³/min	15m³/min

你希望别人怎么样对你, 你就怎么样对待别人。
The way you treat others will reflect to yourself.

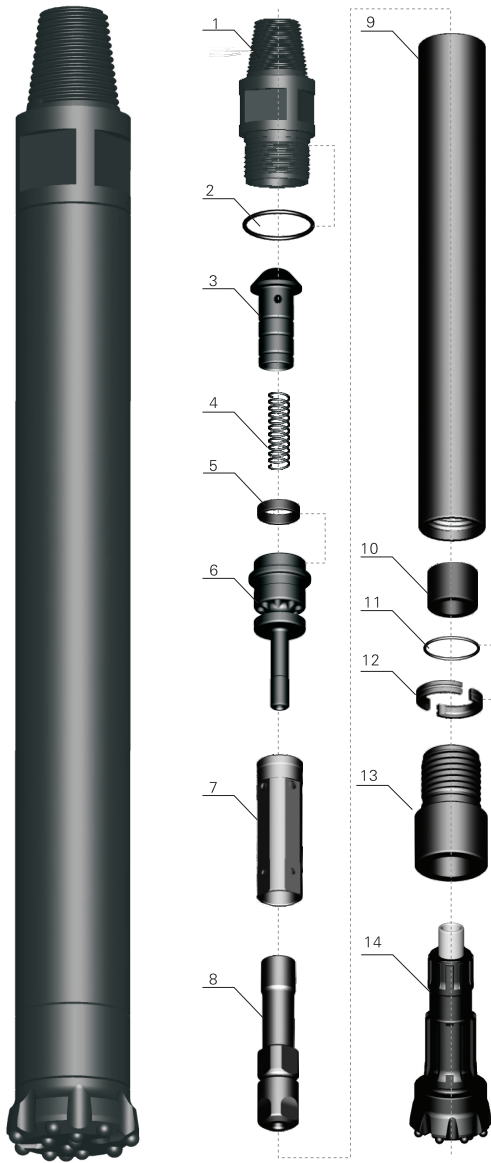
	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接 头 Top Sub	6.50	HSD401
	2、接头O形圈 “O” Ring of Top Sub	0.01	HSD402
	3、逆 止 阀 Check Valve	0.42	HSD403
	4、弹 簧 Spring	0.04	HSD404
	5、承 压 垫 Compression Buffer	0.04	HSD405
	6、配 气 座 Air Distributor	2.20	HSD406
	7、内 缸 Internal Cylinder	2.50	HSD407
	8、活 塞 Piston	9.00	HSD408
	9、外 缸 External Cylinder	15.60	HSD409
	10、卡环O型圈 “O” Ring of Stop Ring	0.02	HSD410
	11、卡 环 Stop Ring	0.20	HSD411
	12、卡 钎 套 Drive Chuck	4.00	HSD412
13、钻 头 Drill Bit	9.60	HSD413	
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。</p> <p>According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1084mm	40.5Kg	Φ99mm	SD4	Φ110—Φ135	API 2 $\frac{3}{8}$ " Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	27HZ	25—40r/min	6m ³ /min	10m ³ /min	15m ³ /min

火大无湿柴, 功到事不难。
Enough efforts, smooth roads.



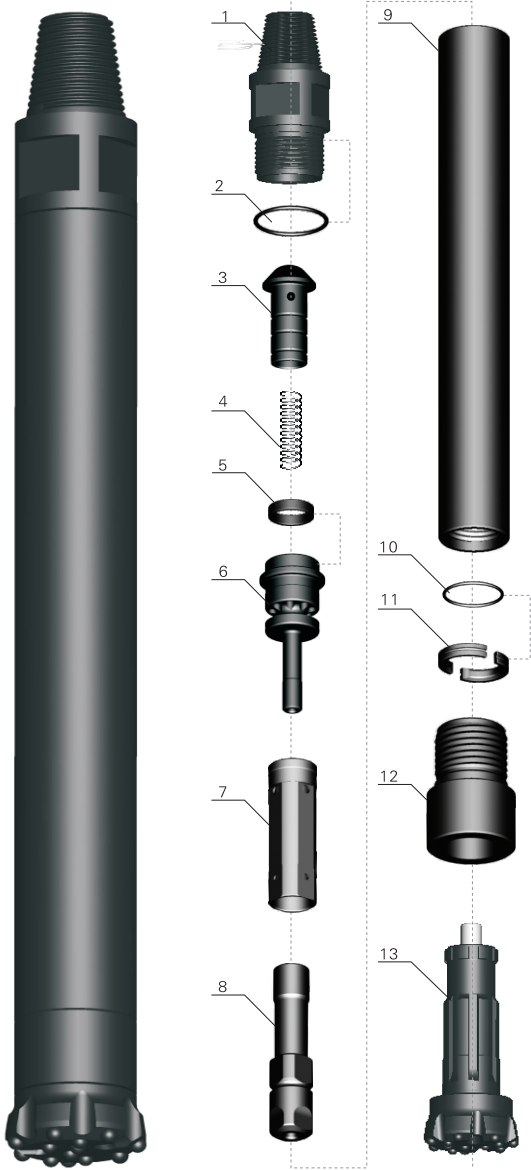
Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	6.50	HQL401
2、接头O形圈 “O” Ring of Top Sub	0.01	HQL402
3、逆 止 阀 Check Valve	0.42	HQL403
4、弹 簧 Spring	0.04	HQL404
5、承 压 垫 Compression Buffer	0.04	HQL405
6、配 气 座 Air Distributor	2.20	HQL406
7、内 缸 Internal Cylinder	2.30	HQL407
8、活 塞 Piston	8.80	HQL408
9、外 缸 External Cylinder	16.50	HQL409
10、衬 套 Guided Sleeve	0.80	HQL410
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HQL411
12、卡 环 Stop Ring	0.30	HQL412
13、卡 钎 套 Drive Chuck	3.00	HQL413
14、钻 头 Drill Bit	9.50	HQL414

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1097mm	41.00kg	Φ99mm	QL40	Φ110—Φ135	API 2 3/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	27HZ	25—40r/min	6m ³ /min	10m ³ /min	15m ³ /min



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	15.00	HD5501
2、接头O形圈 “O” Ring of Top Sub	0.01	HD5502
3、逆止阀 Check Valve	1.00	HD5503
4、弹簧 Spring	0.04	HD5504
5、承压垫 Compression Buffer	0.06	HD5505
6、配气座 Air Distributor	3.70	HD5506
7、内缸 Internal Cylinder	4.50	HD5507
8、活塞 Piston	15.50	HD5508
9、外缸 External Cylinder	30.00	HD5509
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HD5510
11、卡环 Stop Ring	0.30	HD5511
12、卡钎套 Drive Chuck	6.40	HD5512
13、钻头 Drill Bit	16.00	HD5513

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1214mm	76.5Kg	Φ125mm	Cop54 DHD350R	Φ135—Φ155	API 2 3/8" Reg 或API 3 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—35r/min	9m³/min	15m³/min	23m³/min



原谅别人，就是善待自己。
To forgive others is to be kind to yourself.



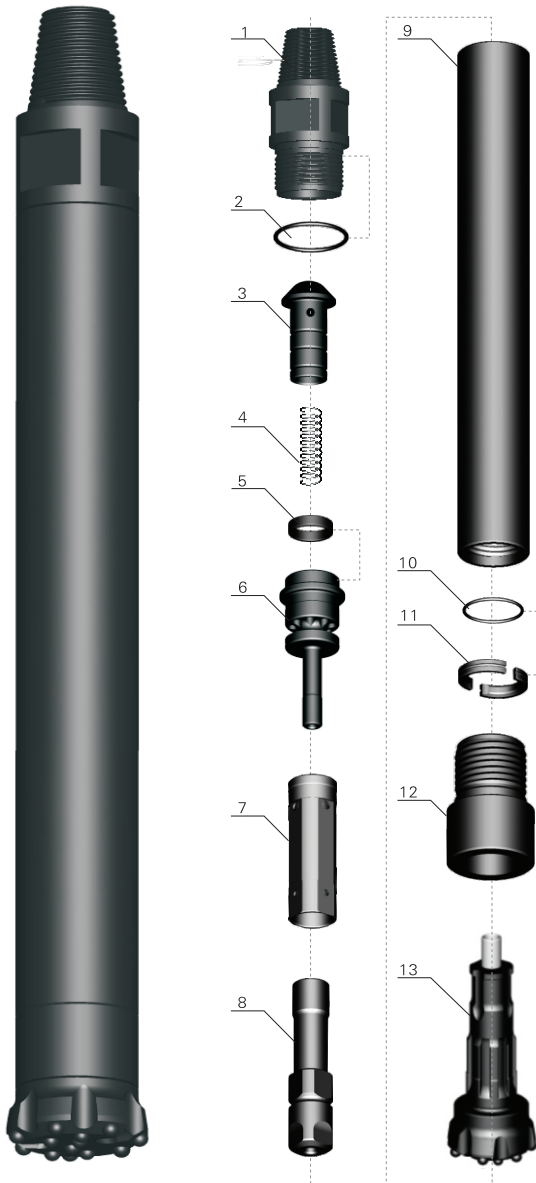
	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接头 Top Sub	13.70	HD55C01
2、O-形圈 "O" -Ring	0.01	HD55C02	
3、逆止阀 Check Valve	1.00	HD55C03	
4、弹簧 Spring	0.04	HD55C04	
5、承压垫 Compression Buffer	0.08	HD55C05	
6、配气座 Air Distributor	3.50	HD55C06	
7、内缸 Internal Cylinder	4.20	HD55C07	
8、活塞 Piston	17.20	HD55C08	
9、外缸 External Cylinder	26.50	HD55C09	
10、衬套 Guided Sleeve	1.20	HD55C10	
11、O-型圈 "O" -Ring	0.01	HD55C11	
12、卡环 Stop Ring	0.50	HD55C12	
13、卡钎套 Drive Chuck	4.50	HD55C13	
14、钻头 Drill Bit	15.60	HD55C14	
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。 According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1160mm	72.50Kg	Φ125mm	HD55C DHD350Q	Φ135—Φ155	API 2 $\frac{3}{8}$ " Reg 或API 3 $\frac{1}{2}$ " Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—35r/min	9m ³ /min	15m ³ /min	23m ³ /min

能吃天下第一等苦就可做天下第一等人。
The one who can bear significant hardship in life, can be the significant person in



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	15.00	HSD501
2、接头O形圈 “O” Ring of Top Sub	0.01	HSD502
3、逆 止 阀 Check Valve	1.00	HSD503
4、弹 簧 Spring	0.10	HSD504
5、承 压 垫 Compression Buffer	0.05	HSD505
6、配 气 座 Air Distributor	3.50	HSD506
7、内 缸 Internal Cylinder	4.20	HSD507
8、活 塞 Piston	15.50	HSD508
9、外 缸 External Cylinder	25.00	HSD509
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HSD510
11、卡 环 Stop Ring	0.50	HSD511
12、卡 钎 套 Drive Chuck	7.50	HSD512
13、钻 头 Drill Bit	15.60	HSD513

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1175mm	72.50Kg	Φ125mm	SD5	Φ135—Φ155	API 3½"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—35r/min	9m³/min	15m³/min	23m³/min

进步源于学习, 创新成就发展。

Progress roots in study, innovation results in development.

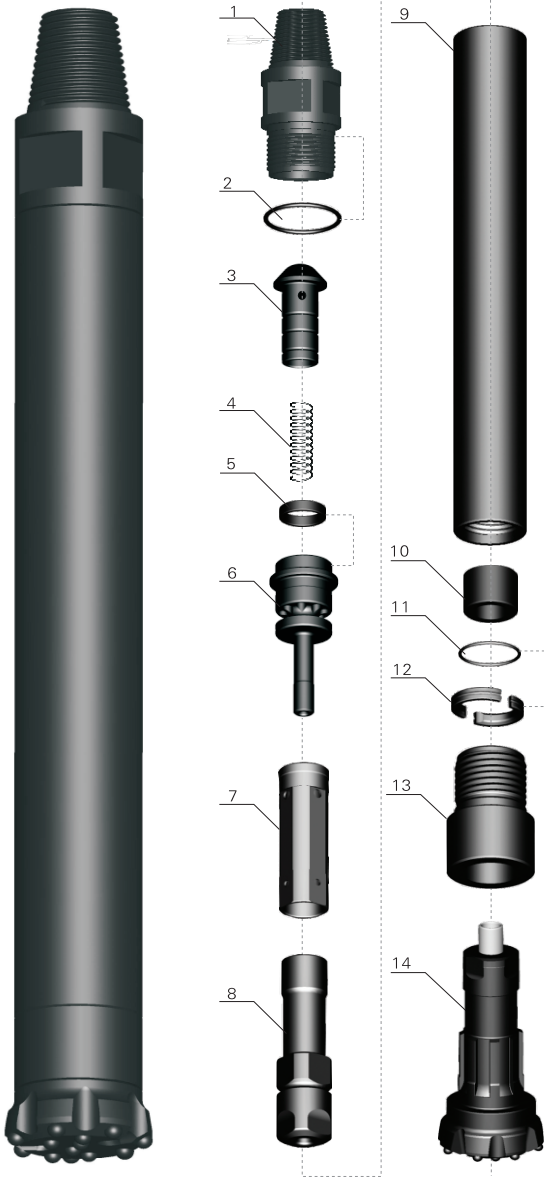
	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接 头 Top Sub	15.00	HQL501
2、接头O形圈 “O” Ring of Top Sub	0.015	HQL502	
3、逆 止 阀 Check Valve	1.00	HQL503	
4、弹 簧 Spring	0.10	HQL504	
5、承 压 垫 Compression Buffer	0.10	HQL505	
6、配 气 座 Air Distributor	3.50	HQL5006	
7、内 缸 Internal Cylinder	4.20	HD55C07	
8、活 塞 Piston	19.00	HQL508	
9、外 缸 External Cylinder	24.60	HQL509	
10、衬 套 Guided Sleeve	0.90	HQL510	
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HQL511	
12、卡 环 Stop Ring	0.40	HQL512	
13、卡 钎 套 Drive Chuck	4.60	HQL513	
14、钻 头 Drill Bit	15.50	HQL514	
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。 According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1156mm	73.00Kg	Φ 125mm	QL50	Φ 135—Φ 155	API 3 1/2" Reg
可用工作风压 Working Pressure	在 1.7Mpa 时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—35r/min	9m ³ /min	15m ³ /min	23m ³ /min

把别人逼得无路可走,就等于给自己制造困难。
Forcing others into a corner pushes you yourself in difficulty.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	20.00	HD6501
2、接头O形圈 “O” Ring Of Top Sub	0.02	HD6502
3、逆 止 阀 Check Valve	1.00	HD6503
4、弹 簧 Spring	0.04	HD6504
5、承 压 垫 Compression Buffer	0.08	HD6505
6、配 气 座 Air Distributor	5.00	HD6506
7、内 缸 Internal Cylinder	5.00	HD6507
8、活 塞 Piston	23.60	HD6508
9、外 缸 External Cylinder	36.80	HD6509
10、衬 套 Guided Sleeve	2.40	HD6510
11、卡环O型圈 “O” Ring of Stop Ring	0.02	HD6511
12、卡 环 Stop Ring	0.60	HD6512
13、卡 钎 套 Drive Chuck	6.00	HD6513
14、钻 头 Drill Bit	26.00	HD6514

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

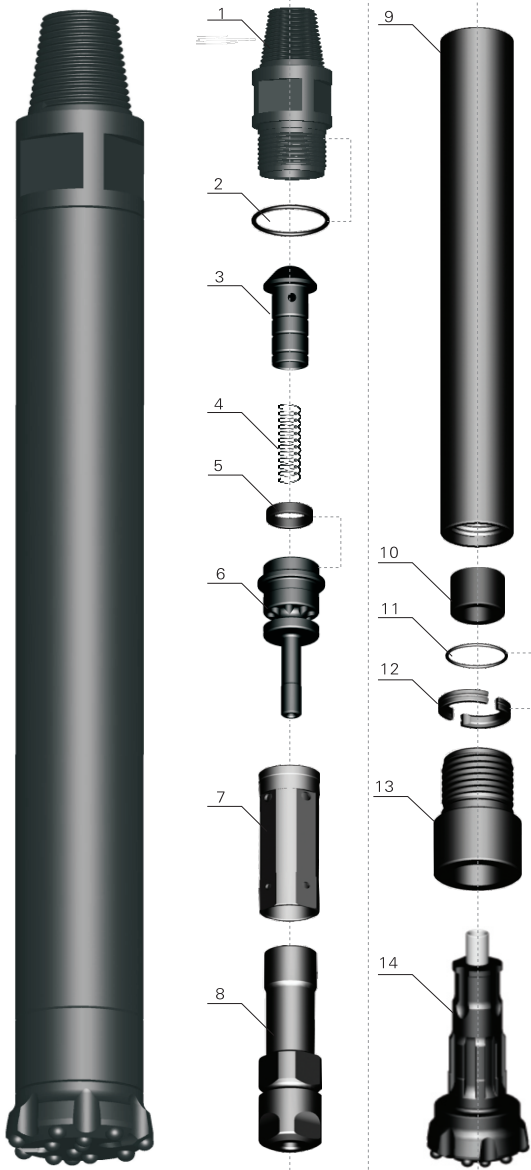
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1248mm	100.00Kg	Φ142mm	Cop64 DHD360	Φ155—Φ190	API 3/2"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	23HZ	20—30r/min	10m ³ /min	20m ³ /min	28.5m ³ /min



你想得过且过，别人就会让你难过。
You want to muddle along, others will make you live in tears.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	20.00	HSD601
2、接头O形圈 “O” Ring Of Top Sub	0.01	HSD602
3、逆 止 阀 Check Valve	1.00	HSD603
4、弹 簧 Spring	0.05	HSD604
5、承 压 垫 Compression Buffer	0.10	HSD605
6、配 气 座 Air Distributor	5.00	HSD606
7、内 缸 Internal Cylinder	5.00	HSD607
8、活 塞 Piston	24.00	HSD608
9、外 缸 External Cylinder	35.00	HSD609
10、衬 套 Guided Sleeve	1.50	HSD610
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HSD611
12、卡 环 Stop Ring	0.50	HSD612
13、卡 钎 套 Drive Chuck	7.50	HSD613
14、钻 头 Drill Bit	25.80	HSD614

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

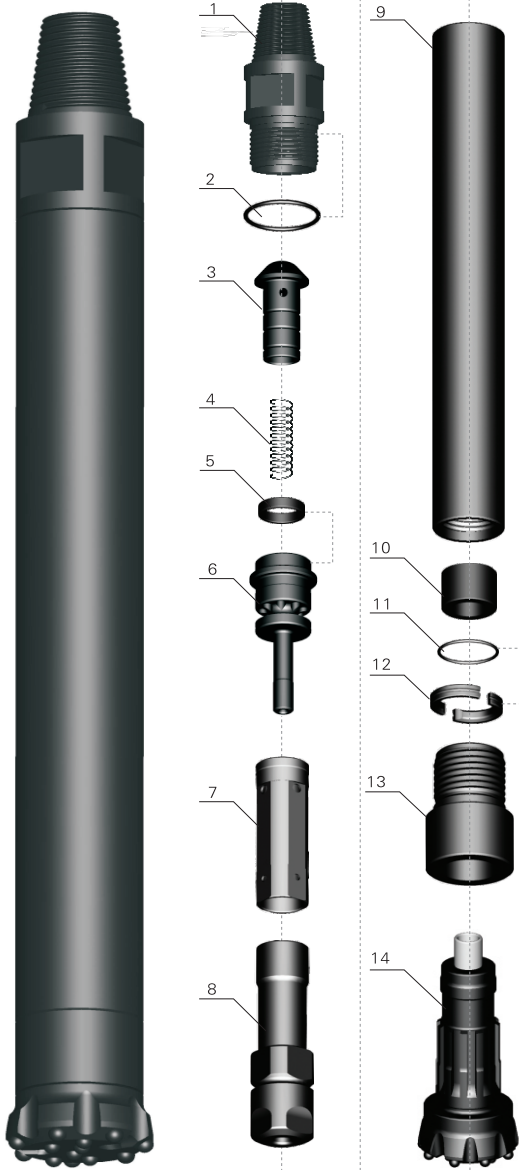
技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1261mm	100.00Kg	Φ 142mm	SD6	Φ 155—Φ 190	API 3½”Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	23HZ	20—30r/min	10m³/min	20m³/min	28.5m³/min

生命在于运动, 资金在于流动, 朋友在于走动。

Life consists in movement, fortune consists in floating, and friendship consists in stopping by.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	20.00	HQL601
2、接头O形圈 “O” Ring of Top Sub	0.02	HQL602
3、逆 止 阀 Check Valve	1.00	HQL603
4、弹 簧 Spring	0.10	HQL604
5、承 压 垫 Compression Buffer	0.10	HQL605
6、配 气 座 Air Distributor	6.00	HQL606
7、内 缸 Internal Cylinder	5.00	HQL607
8、活 塞 Piston	23.50	HQL608
9、外 缸 External Cylinder	31.00	HQL609
10、衬 套 Guided Sleeve	1.00	HQL610
11、卡环O型圈 “O” Ring of Stop Ring	0.02	HQL611
12、卡 环 Stop Ring	0.60	HQL612
13、卡 钎 套 Drive Chuck	5.40	HQL613
14、钻 头 Drill Bit	24.60	HQL614

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1212mm	95.00Kg	Φ146mm	QL60	Φ155—Φ190	API 3 1/2" Reg
可用工作风压 Working Pressure	在17bar时的冲击频率 Impact rate at 17 Bar	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	23HZ	20—30r/min	10m ³ /min	20m ³ /min	28.5m ³ /min



文明其精神,野蛮其体魄。
Cultivated spirits, savage-like body.



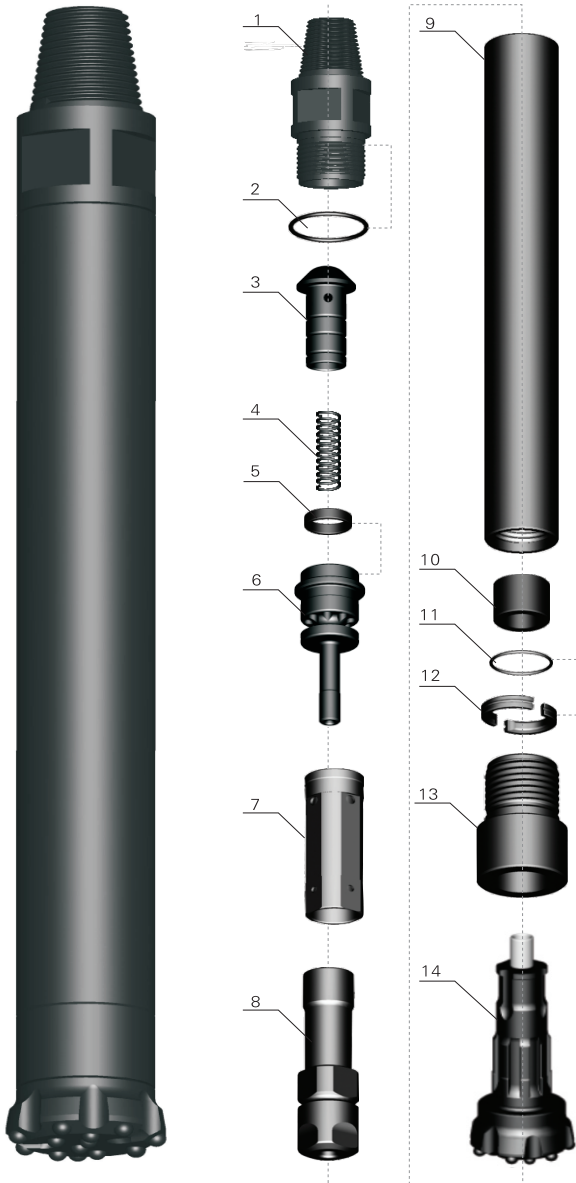
	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接 头 Top Sub	41.00	HD8501
2、接头O形圈 “O” Ring of Top Sub	0.02	HD8502	
3、逆 止 阀 Check Valve	1.50	HD8503	
4、弹 簧 Spring	0.10	HD8504	
5、承 压 垫 Compression Buffer	0.42	HD8505	
6、配 气 座 Air Distributor	0.13	HD8506	
7、内 缸 Internal Cylinder	8.60	HD8507	
8、活 塞 Piston	41.00	HD8508	
9、外 缸 External Cylinder	62.00	HD8509	
10、卡环O型圈 “O” Ring of Stop Ring	0.02	HD8510	
11、卡 环 Stop Ring	1.20	HD8511	
12、卡 钎 套 Drive Chuck	17.50	HD8512	
13、钻 头 Drill Bit	40.00	HD8513	
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。 According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1492mm	188Kg	Φ 180mm	Cop84 DHD380	Φ 195—Φ 254	API 4 ½"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	20—30r/min	15m³/min	26m³/min	34m³/min

不管风吹浪打，胜似闲庭信步。
A casual smile remains on my face regardless of raging storms.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	41.00	HSD801
2、接头O形圈 “O” Ring of Top Sub	0.02	HSD802
3、逆 止 阀 Check Valve	1.50	HSD803
4、弹 簧 Spring	0.10	HSD804
5、承 压 垫 Compression Buffer	0.42	HSD805
6、配 气 座 Air Distributor	12.50	HSD806
7、内 缸 Internal Cylinder	8.60	HSD807
8、活 塞 Piston	42.00	HSD808
9、外 缸 External Cylinder	65.00	HSD809
10、衬 套 Guided Sleeve	3.40	HSD810
11、卡环O型圈 “O” Ring of Stop Ring	0.05	HSD811
12、卡 环 Stop Ring	1.20	HSD812
13、卡 钎 套 Drive Chuck	15.50	HSD813
14、钻 头 Drill Bit	37.00	HSD814

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

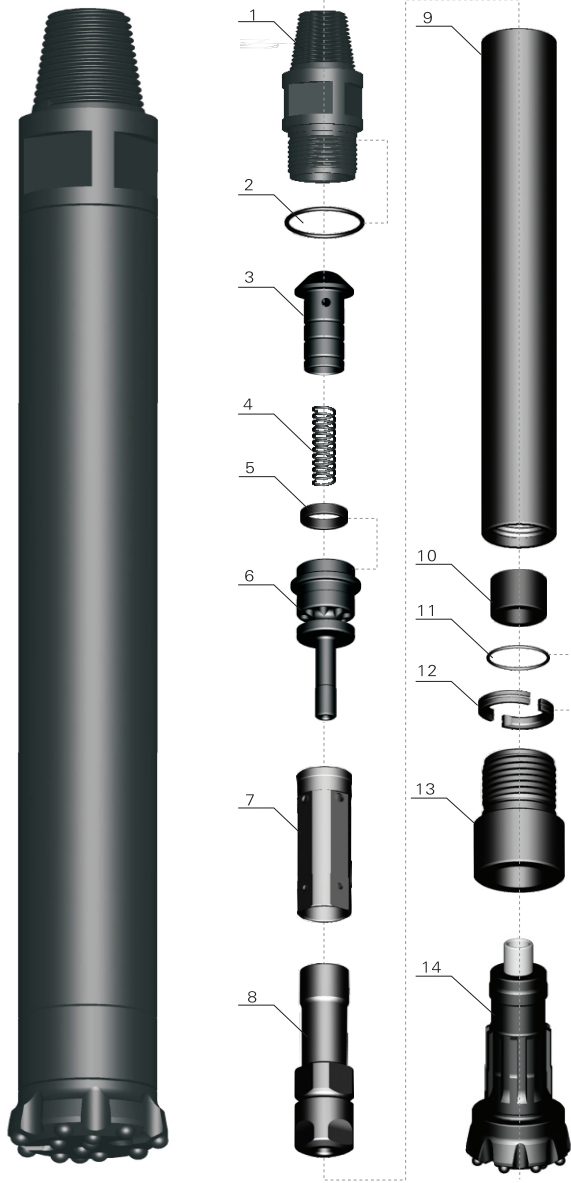
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1463mm	192.00Kg	Φ180mm	SD8	Φ195—Φ254	API 1/2"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	15m ³ /min	26m ³ /min	34m ³ /min



用师者王，用友者霸，用徒者衰。
A real king uses real talents, a real king treats his subordinates as friends, only a loser uses those fawning admirers.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	41.00	HQL801
2、接头O形圈 “O” Ring of Top Sub	0.02	HQL802
3、逆 止 阀 Check Valve	1.50	HQL803
4、弹 簧 Spring	0.10	HQL804
5、承 压 垫 Compression Buffer	0.42	HQL805
6、配 气 座 Air Distributor	13.00	HQL806
7、内 缸 Internal Cylinder	8.60	HQL807
8、活 塞 Piston	41.00	HQL808
9、外 缸 External Cylinder	60.00	HQL809
10、衬 套 Guided Sleeve	2.20	HQL810
11、卡环O型圈 “O” Ring of Stop Ring	0.02	HQL811
12、卡 环 Stop Ring	1.20	HQL812
13、卡 钎 套 Drive Chuck	12.00	HQL813
14、钻 头 Drill Bit	35.00	HQL814

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

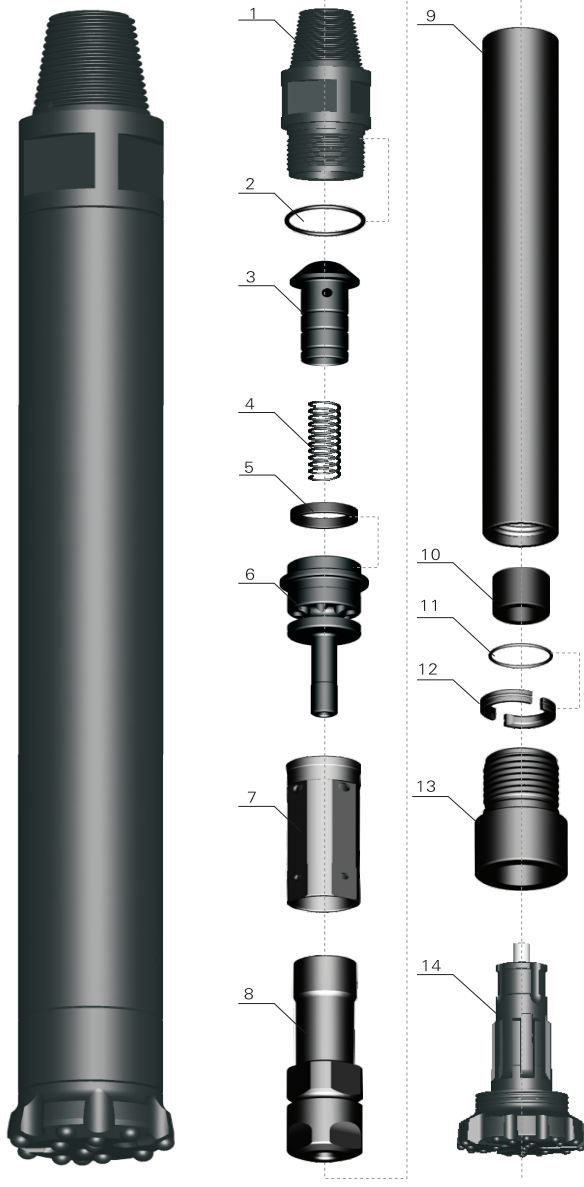
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1465mm	182.00kg	Φ180mm	QL80	Φ195—Φ254	API 4½"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	15m³/min	26m³/min	34m³/min



三多：多看别人长处，多想别人好处，多帮别人难处。
Three mores look more at others' advantages, think more about others' merits, and help others more when they are in trouble.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	59.00	HSD1001
2、接头O形圈 “O” Ring of Top Sub	0.03	HSD1002
3、逆 止 阀 Check Valve	1.40	HSD1003
4、弹 簧 Spring	0.30	HSD1004
5、承 压 垫 Compression Buffer	0.60	HSD1005
6、配 气 座 Air Distributor	11.50	HSD1006
7、内 缸 Internal Cylinder	11.00	HSD1007
8、活 塞 Piston	62.00	HSD1008
9、外 缸 External Cylinder	110.00	HSD1009
10、衬 套 Guided Sleeve	4.50	HSD1010
11、卡环O型圈 “O” Ring of Stop Ring	0.03	HSD1011
12、卡 环 Stop Ring	1.60	HSD1012
13、卡 钎 套 Drive Chuck	24.00	HSD1013
14、钻 头 Drill Bit	115.00	HSD1014

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

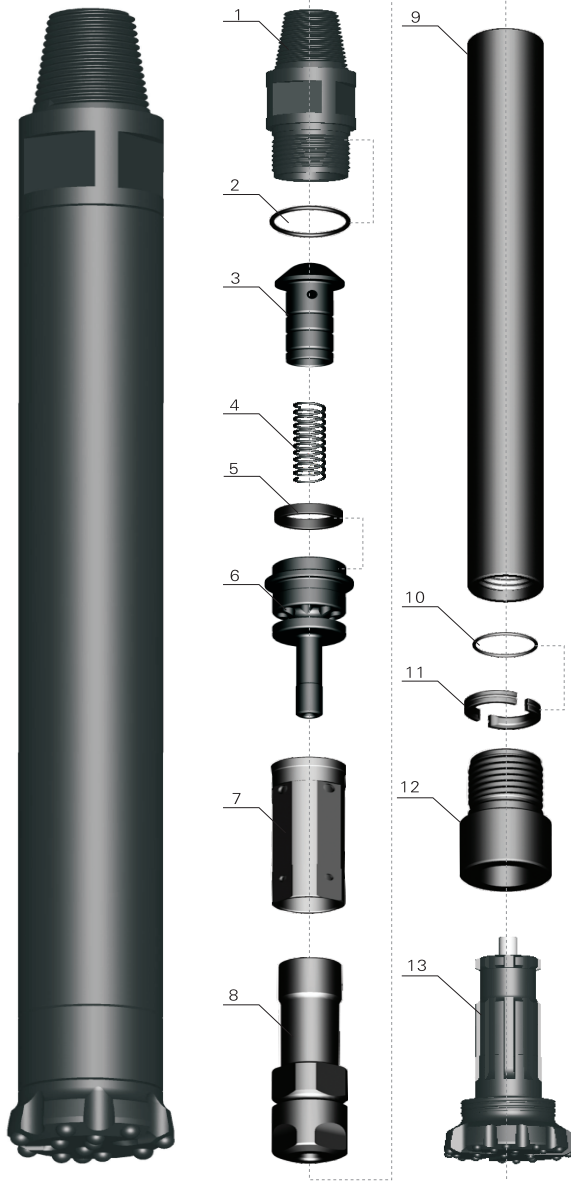
技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1502mm	290.00Kg	Φ226mm	SD10	Φ254—Φ311	API 4 1/2" Reg API 6 5/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	18HZ	15—25r/min	22m ³ /min	40m ³ /min	55m ³ /min

三度： 转换角度，把握尺度，注意风度。

Three measurement points: switch point of view, grasp rule of measure, pay attention to the presence.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	59.00	HN10001
2、接头O形圈 “O” Ring of Top Sub	0.03	HN10002
3、逆 止 阀 Check Valve	1.60	HN10003
4、弹 簧 Spring	0.30	HN10004
5、承 压 垫 Compression Buffer	0.60	HN10005
6、配 气 座 Air Distributor	11.50	HN10006
7、内 缸 Internal Cylinder	11.00	HN10007
8、活 塞 Piston	62.00	HN10008
9、外 缸 External Cylinder	112.00	HN10009
10、卡环O型圈 “O” Ring of Stop Ring	0.03	HN10010
11、卡 环 Stop Ring	1.50	HN10011
12、卡 钎 套 Drive Chuck	26.00	HN10012
13、钻 头 Drill Bit	115.00	HN10013

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1510mm	288.00Kg	Φ226mm	NUMA100	Φ254—Φ311	API 6 5/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	18HZ	15—25r/min	22m ³ /min	45m ³ /min	60m ³ /min

工作作风：迅速反应，立即行动，执行到位，持之以恒。

Work style: quick respond, immediate action, put the order fully into practice and persevere to it.

	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接 头 Top Sub	70.00	HD112001
	2、接头O形圈 “O” Ring of Top Sub	0.04	HD112002
	3、逆 止 阀 Check Valve	3.00	HD112003
	4、弹 簧 Spring	0.10	HD112004
	5、承 压 垫 Compression Buffer	1.00	HD112005
	6、配 气 座 Air Distributor	20.00	HD112006
	7、内 缸 Internal Cylinder	23.00	HD112007
	8、活 塞 Piston	125.00	HD112008
	9、外 缸 External Cylinder	170.00	HD112009
	10、衬 套 Guided Sleeve	16.00	HD112010
	11、卡环O型圈 “O” Ring of Stop Ring	0.04	HD112011
	12、卡 环 Stop Ring	4.50	HD112012
	13、卡 钎 套 Drive Chuck	48.00	HD112013
14、钻 头 Drill Bit	120.00	HD112014	
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。</p> <p>According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

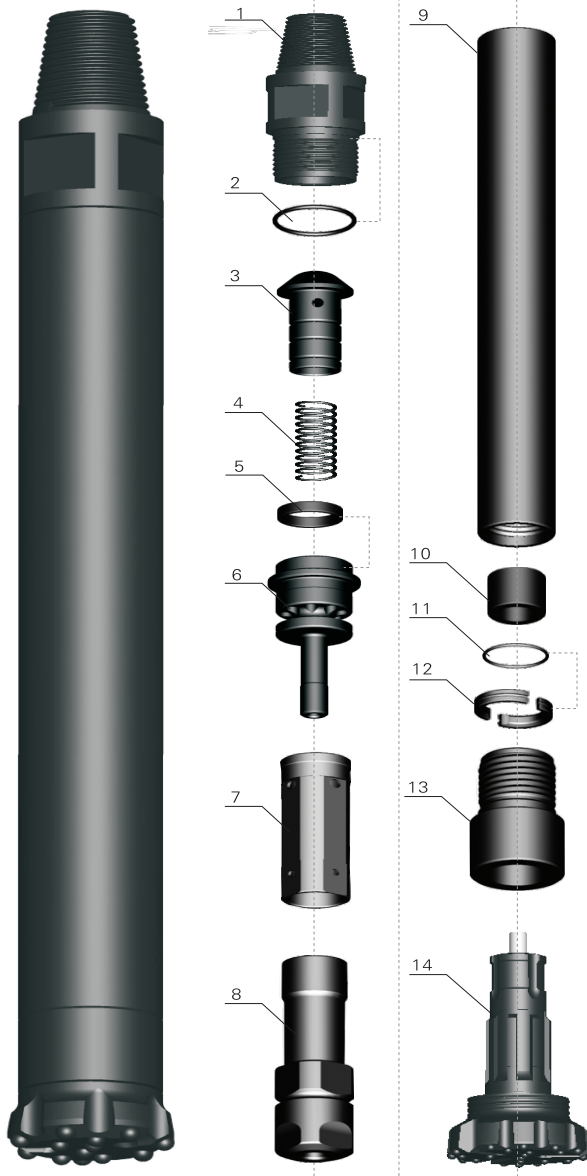
技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1900mm	480.00Kg	Φ275mm	DHD1120	Φ305—Φ445	API 6 5/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	16HZ	15—25r/min	6m ³ /min	10m ³ /min	15m ³ /min

有势者强，有德者昌。

He who has power is strong and he who has virtue will flourish.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	70.00	HSD1201
2、接头O形圈 “O” Ring of Top Sub	0.04	HSD1202
3、逆 止 阀 Check Valve	3.00	HSD1203
4、弹 簧 Spring	0.10	HSD1204
5、承 压 垫 Compression Buffer	1.00	HSD1205
6、配 气 座 Air Distributor	20.00	HSD1206
7、内 缸 Internal Cylinder	23.00	HSD1207
8、活 塞 Piston	125.00	HSD1208
9、外 缸 External Cylinder	170.00	HSD1209
10、衬 套 Guided Sleeve	18.00	HSD1210
11、卡环O型圈 “O” Ring of Stop Ring	0.04	HSD1211
12、卡 环 Stop Ring	4.80	HSD1212
13、卡 钎 套 Drive Chuck	51.00	HSD1213
14、钻 头 Drill Bit	120.00	HSD1214

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

Technical Data

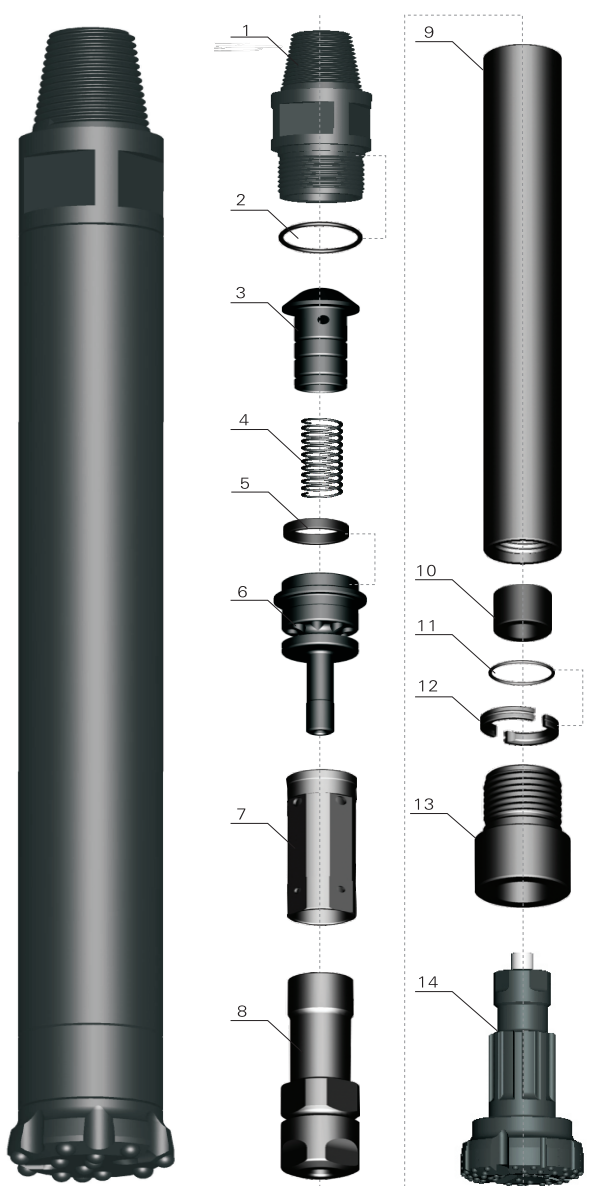
总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1880mm	487.00Kg	Φ275mm	SD12	Φ305—Φ445	API 6 5/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	16HZ	15—25r/min	6m ³ /min	10m ³ /min	15m ³ /min



千招熟不如一招精。

Specializing in an artist is better than knowing in many artists.



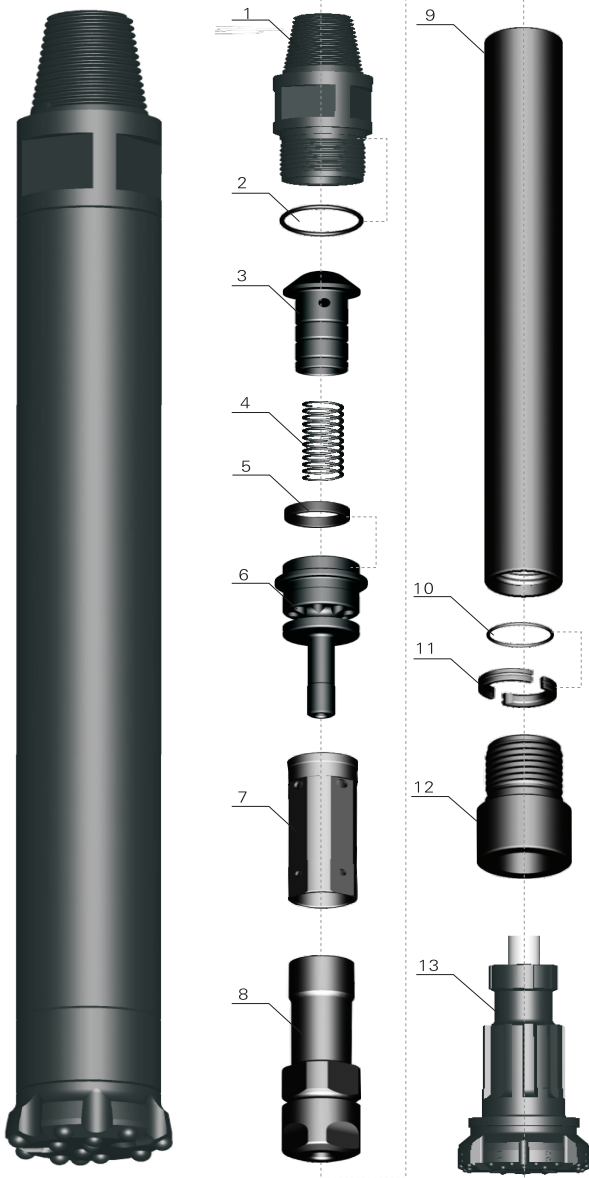
	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接 头 Top Sub	70.00	HN12001
	2、接头O形圈 “O” Ring of Top Sub	0.04	HN12002
	3、逆 止 阀 Check Valve	3.00	HN12003
	4、弹 簧 Spring	0.10	HN12004
	5、承 压 垫 Compression Buffer	1.00	HN12005
	6、配 气 座 Air Distributor	20.00	HN12006
	7、内 缸 Internal Cylinder	23.00	HN12007
	8、活 塞 Piston	125.00	HN12008
	9、外 缸 External Cylinder	170.00	HN12009
	10、衬 套 Guided Sleeve	18.00	HN12010
	11、卡环O型圈 “O” Ring of Stop Ring	0.04	HN12011
	12、卡 环 Stop Ring	4.50	HN12012
	13、卡 钎 套 Drive Chuck	49.00	HN12013
	14、钻 头 Drill Bit	120.00	HN12014
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。</p> <p>According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1900mm	485.00Kg	Φ275mm	NUMA120	Φ305—Φ445	API 6 5/8" Reg
可用工作风压 Working Pressure	在17bar时的冲击频率 Impact rate at 17 Bar	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	16HZ	15—25r/min	6m ³ /min	10m ³ /min	15m ³ /min

力量从团结来，智慧从劳动来，行动从思想来，荣誉从集体来。
Strength comes from the unity and wisdom from the work, action derives from thinking and honor from the collectivity.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	70.00	HN12501
2、接头O形圈 “O” Ring of Top Sub	0.04	HN12502
3、逆 止 阀 Check Valve	3.00	HN12503
4、弹 簧 Spring	0.10	HN12504
5、承 压 垫 Compression Buffer	1.00	HN12505
6、配 气 座 Air Distributor	20.00	HN12506
7、内 缸 Internal Cylinder	23.00	HN12507
8、活 塞 Piston	125.00	HN12508
9、外 缸 External Cylinder	170.00	HN12509
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HN12510
11、卡 环 Stop Ring	4.00	HN12511
12、卡 钎 套 Drive Chuck	45.00	HN12512
13、钻 头 Drill Bit	175.00	HN12513

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1900mm	480.00Kg	Φ275mm	NUMA125	Φ305—Φ445	API 6 5/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	16HZ	15—25r/min	6m³/min	10m³/min	15m³/min



积小善, 可铸大吉, 做小恶, 必藏凶兆。
Small good deed will bring good luck while small evil will lead to bad omen.



所配钻头不用尼龙管的高风压潜孔冲击器是我公司最新设计的冲击器，是目前世界上最先进的冲击器之一。

这种类型冲击器具有以下特点：

1. 钻头不需要尼龙管，因而省去了尼龙管断裂、破损和热胀冷缩而引起的麻烦。
2. 冲击能量损耗低，冲击频率高，钻进速度比同类型带尼龙管冲击器快15%—30%。
3. 结构非常简单，部件可靠性好，冲击器寿命长，维修保养简单，费用低。
4. 耗风量低，省风省油，比同类型有尼龙管冲击器省油10%以上。

It is a kind of valveless high air pressure DTH Hammer, our newest design. It is also one of the most advanced DTH Hammers in the world.

It has the following advantages:

1. Out of the trouble of foot valve fracture and expansion and contraction.
2. Lower energy consumption and higher impact frequency. The drilling speed is 15%—30% higher than the one with foot valve.
3. Simple structure, reliable parts, long life, easy and cheap maintenance.
4. Lower air and oil consumption. The oil consumption is about 10% lower than the one with foot valve.

无尼龙管高压潜孔冲击器名称解释

Explanation of High Air Pressure without foot valve DTH Hammer code

例1：HD55A

H—Heijingang(黑金刚)简称
R—可D所配钻头为DHD系列
5—表示冲击器的公称尺寸,5英寸冲击器
5—表示第五代冲击器
A—所配钻头不需尼龙管

例2：HQL4A

H—Heijingang(黑金刚)简称
QL4—可与QL40钻头相配
A—所配钻头不需尼龙管

For example 1: HD55A

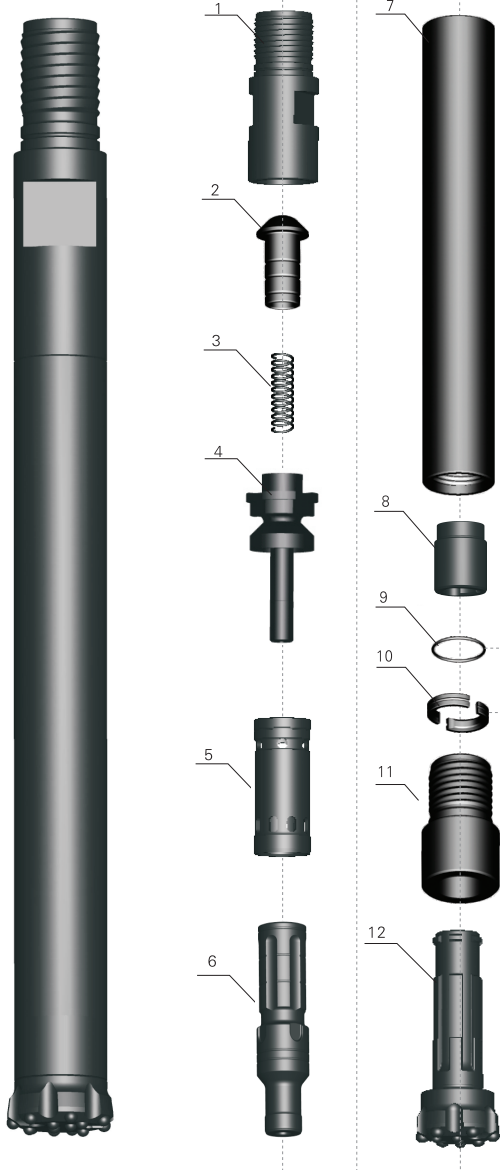
H—Heijingang(Our company name)
D—DHD Bit Shank
5—5" hammer
5—The Fifth Generation Hammer
A—Bit without foot valve

For example 2: HQL4A

H—Heijingang(Our company name)
QL4—QL40 Bit Shank
A—Bit without foot valve
S—Smaller size than general DTH Hammer

积小善，可铸大吉，做小恶，必藏凶兆。

Small good deed will bring good luck while small evil will lead to bad omen.



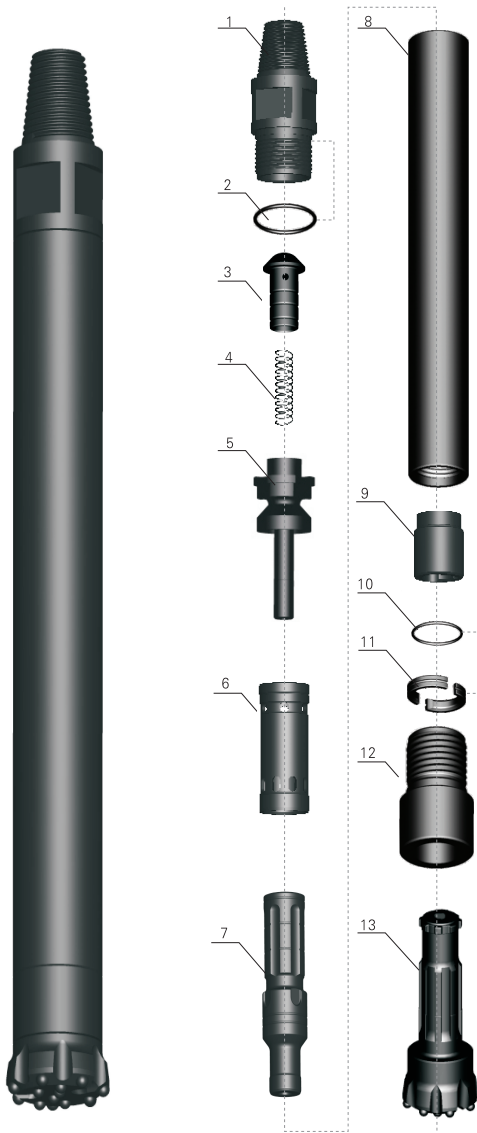
Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	3.10	HD25A01
2、逆 止 阀 Check Valve	0.10	HD25A02
3、弹 簧 Spring	0.05	HD25A03
4、配 气 座 Air Distributor	0.60	HD25A04
5、内 缸 Internal Cylinder	0.80	HD25A05
6、活 塞 Piston	3.80	HD25A06
7、外 缸 External Cylinder	4.50	HD25A07
8、衬 套 Guided Sleeve	0.60	HD2508
9、O-形圈 "O" -Ring	0.005	HD25A09
10、卡 环 Stop Ring	0.10	HD25A10
11、卡 钎 套 Drive Chuck	1.40	HD25A11
12、钻 头 Drill Bit	3.20	HD25A12

技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
872mm	16.00Kg	Φ 71mm	HD25	Φ 76—Φ 90	T42x10x1.5
可用工作风压 Working Pressure	在1.5Mpa时的冲击频率 Impact rate at 1.5Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.5Mpa	
1.0—1.5Mpa	25HZ	22—35r/min	4m ³ /min	6m ³ /min	

要使台前出精彩，须在幕后下功夫。

The way to make a wonderful show is to work hard behind the scenes.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	4.20	HD35A01
2、接头O形圈 “O” Ring of Top Sub	0.01	HD35A02
3、逆 止 阀 Check Valve	0.20	HD35A03
4、弹 簧 Spring	0.02	HD35A04
5、配 气 座 Air Distributor	0.80	HD35A05
6、内 缸 Internal Cylinder	1.30	HD35A06
7、活 塞 Piston	5.50	HD35A07
8、外 缸 External Cylinder	9.50	HD35A08
9、衬 套 Guided Sleeve	1.00	HD35A09
10、卡环O型圈 “O” Ring of Stop Ring	0.05	HD35A10
11、卡 环 Stop Ring	0.15	HD35A11
12、卡 钎 套 Drive Chuck	1.90	HD35A12
13、钻 头 Drill Bit	5.00	HD35A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

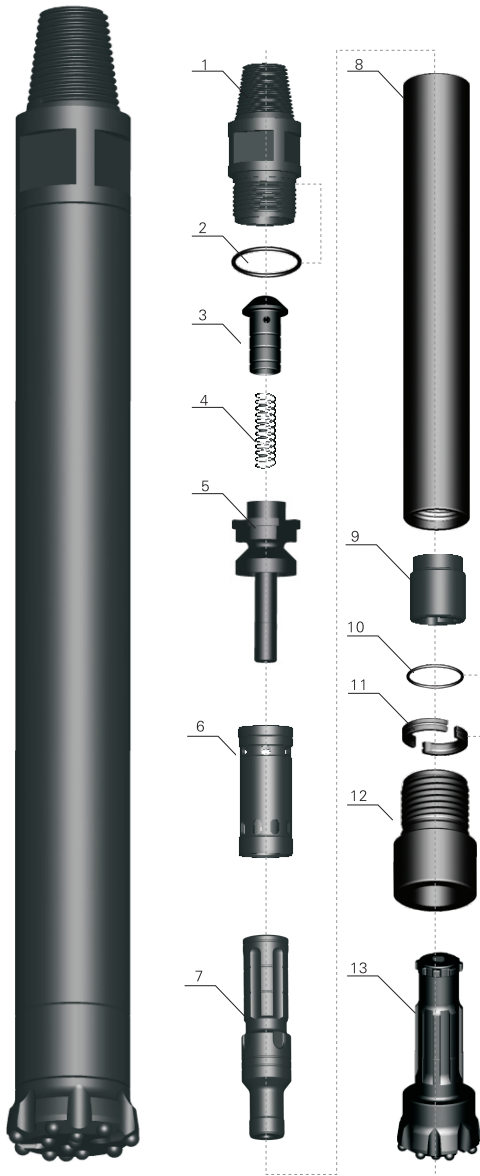
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
888mm	25.00Kg	Φ82mm	IR3.5 COP34	Φ90—Φ115	API 2 $\frac{3}{8}$ " Reg
可用工作风压 Working Pressure	在1.5Mpa时的冲击频率 Impact rate at 1.5Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.5Mpa	
1.0—1.5Mpa	25HZ	25—40r/min	3.8m ³ /min	7.5m ³ /min	





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	6.50	HD45A01
2、接头O形圈 "O" Ring of Top Sub	0.01	HD45A02
3、逆止阀 Check Valve	0.35	HD45A03
4、弹簧 Spring	0.05	HD45A04
5、配气座 Air Distributor	1.50	HD45A05
6、内缸 Internal Cylinder	2.10	HD45A06
7、活塞 Piston	8.50	HD45A07
8、外缸 External Cylinder	15.20	HD45A08
9、衬套 Guided Sleeve	1.30	HD45A09
10、卡环O型圈 "O" Ring of Stop Ring	0.01	HD45A10
11、卡环 Stop Ring	0.30	HD45A11
12、卡钎套 Drive Chuck	3.40	HD45A12
13、钻头 Drill Bit	9.00	HD45A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

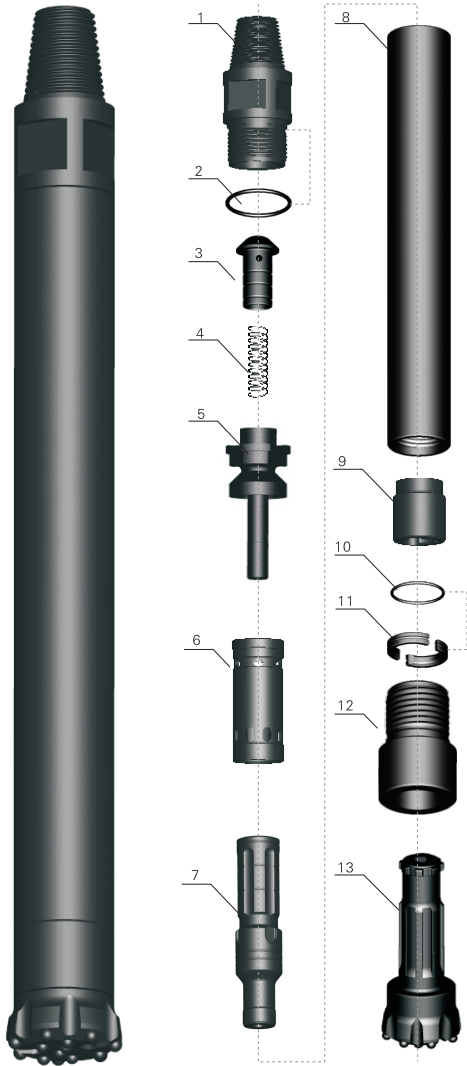
技术参数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1011mm	43.20Kg	Φ99mm	Cop44 DHD340	Φ110—Φ135	API 2 3/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	27HZ	22—35r/min	6m³/min	10m³/min	15m³/min



觉悟比素质重要，素质比能力重要，能力比知识重要。
Consciousness is important than quality, quality is important than ability and ability is important than knowledge.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	6.00	HD45S01
2、接头O形圈 “O” Ring of Top Sub	0.01	HD45S02
3、逆 止 阀 Check Valve	0.30	HD45S03
4、弹 簧 Spring	0.05	HD45S04
5、配 气 座 Air Distributor	1.30	HD45S05
6、内 缸 Internal Cylinder	1.90	HD45S06
7、活 塞 Piston	7.80	HD45S07
8、外 缸 External Cylinder	14.60	HD45S08
9、衬 套 Guided Sleeve	1.20	HD45S09
10、卡环O型圈 “O” Ring of Stop Ring	0.005	HD45S10
11、卡 环 Stop Ring	0.20	HD45S11
12、卡 钎 套 Drive Chuck	3.40	HD45S12
13、钻 头 Drill Bit	8.50	HD45S13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

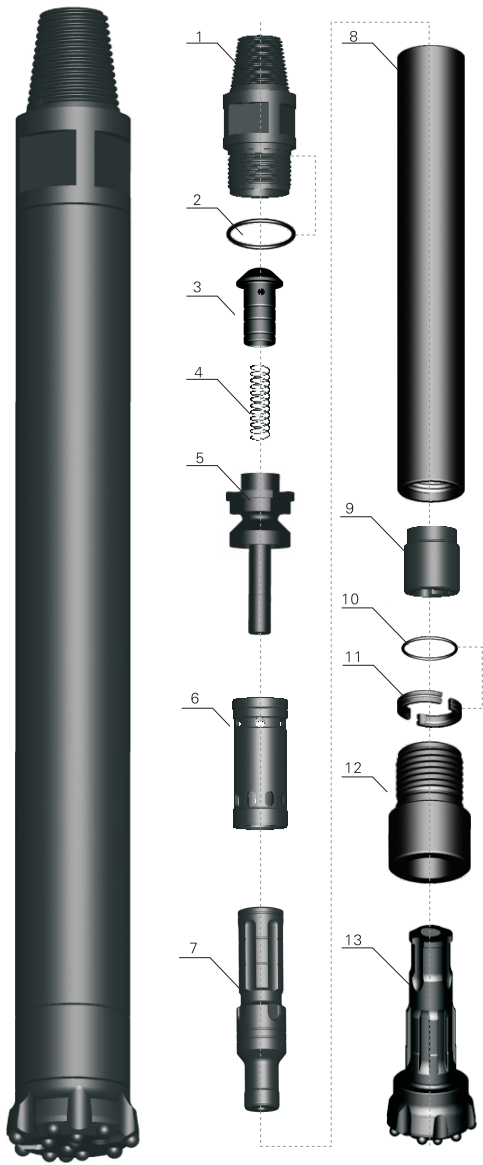
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
986mm	37.00Kg	Φ92mm	Cop44 DHD340	Φ105—Φ120	API 2 3/8" Reg
可用工作压力 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	30HZ	25—40r/min	5m ³ /min	8m ³ /min	13m ³ /min

简单的事情重复做，你就是专家；重复的事情用心做，你就是赢家。
You will be an expert by repeatedly doing simple things, but you will be a winner by attentively doing the repeated things.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	6.50	HSD4A01
2、接头O形圈 “O” Ring of Top Sub	0.01	HSD4A02
3、逆 止 阀 Check Valve	0.35	HSD4A03
4、弹 簧 Spring	0.05	HSD4A04
5、配 气 座 Air Distributor	1.50	HSD4A05
6、内 缸 Internal Cylinder	2.10	HSD4A06
7、活 塞 Piston	8.50	HSD4A07
8、外 缸 External Cylinder	15.30	HSD4A08
9、衬 套 Guided Sleeve	1.30	HSD4A09
10、卡环O型圈 “O” Ring of Stop Ring	0.005	HSD4A10
11、卡 环 Stop Ring	0.20	HSD4A11
12、卡 钎 套 Drive Chuck	4.00	HSD4A12
13、钻 头 Drill Bit	9.80	HSD4A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

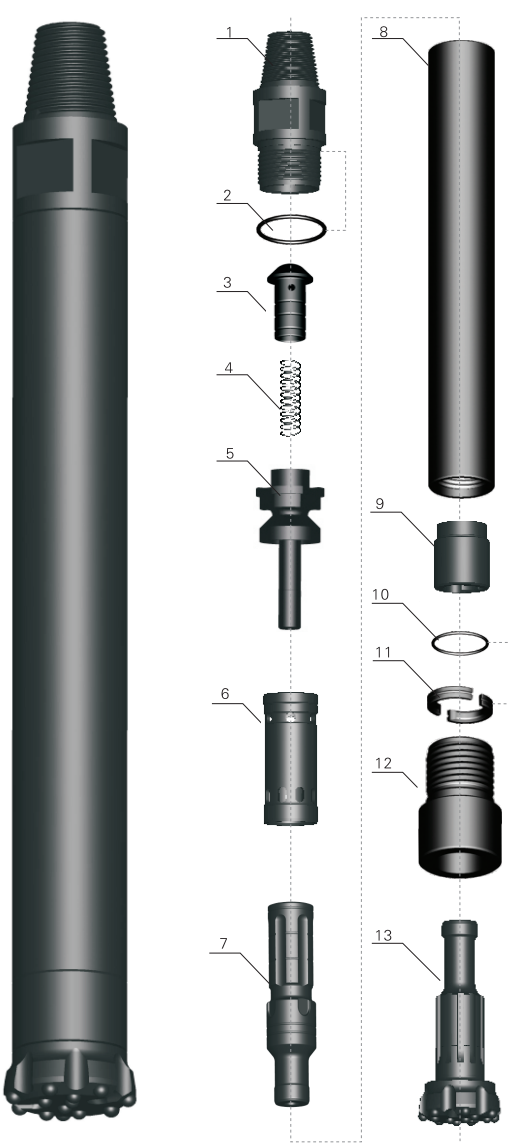
技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1012mm	40.00Kg	Φ99mm	SD4	Φ110—Φ135	API 2 3/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.5—2.0Mpa	30HZ	25—40r/min	6m³/min	9m³/min	14m³/min



祸在一时，防在平时。
Disaster emerges accidentally, so a usual prevention is necessary.



	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接头 Top Sub	6.50	HM4A01
2、接头O形圈 "O" Ring of Top Sub	0.01	HM4A02	
3、逆止阀 Check Valve	0.35	HM4A03	
4、弹簧 Spring	0.05	HM4A04	
5、配气座 Air Distributor	1.50	HM4A05	
6、内缸 Internal Cylinder	2.10	HM4A06	
7、活塞 Piston	8.50	HM4A07	
8、外缸 External Cylinder	14.80	HM4A08	
9、衬套 Guided Sleeve	1.80	HM4A09	
10、卡环O型圈 "O" Ring of Stop Ring	0.005	HM4A10	
11、卡环 Stop Ring	0.30	HM4A11	
12、卡钎套 Drive Chuck	3.80	HM4A12	
13、钻头 Drill Bit	6.60	HM4A13	
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。</p> <p>According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

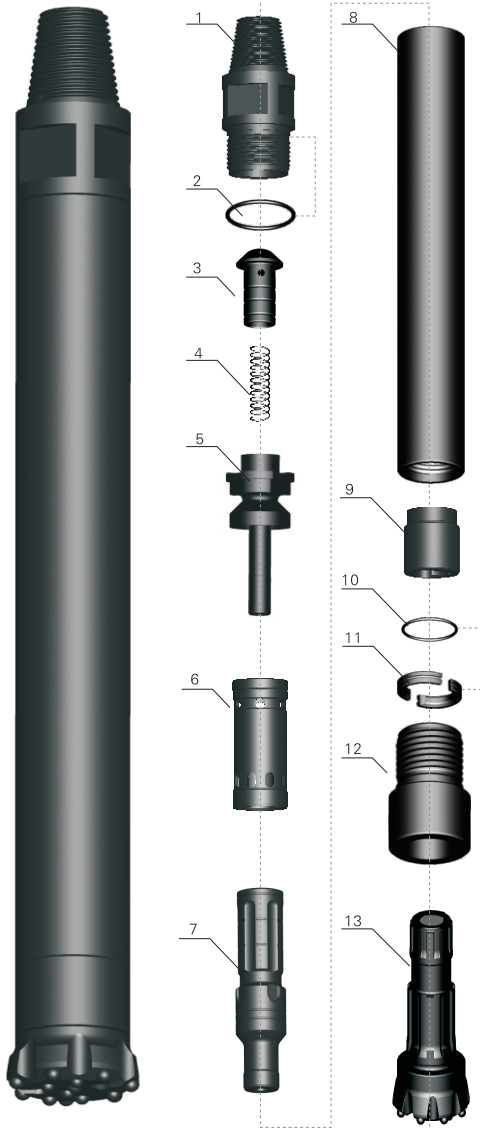
技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1005mm	40.00Kg	Φ99mm	Mission40	Φ110—Φ135	API 2 3/8" Reg
可用工作压力 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	30HZ	25—40r/min	5m ³ /min	9m ³ /min	14m ³ /min

人生最险得意时。

The most dangerous time of your life is when you are in your glory.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	6.50	HQL4A01
2、接头O形圈 "O" Ring of Top Sub	0.01	HQL4A02
3、逆止阀 Check Valve	0.35	HQL4A03
4、弹簧 Spring	0.05	HQL4A04
5、配气座 Air Distributor	1.50	HQL4A05
6、内缸 Internal Cylinder	2.10	HQL4A06
7、活塞 Piston	8.50	HQL4A07
8、外缸 External Cylinder	15.20	HQL4A08
9、衬套 Guided Sleeve	1.80	HQL4A09
10、卡环O型圈 "O" Ring of Stop Ring	0.005	HQL4A10
11、卡环 Stop Ring	0.20	HQL4A11
12、卡钎套 Drive Chuck	3.20	HQL4A12
13、钻头 Drill Bit	9.00	HQL4A13

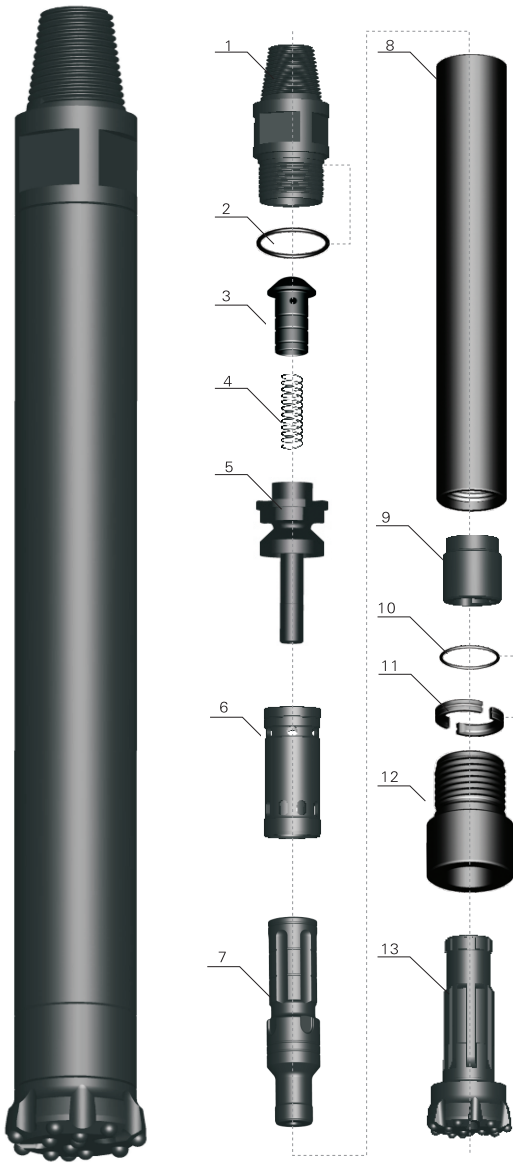
如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1070mm	40.00Kg	Φ99mm	QL40	Φ110—Φ135	API 2 3/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	30HZ	25—40r/min	5m ³ /min	9m ³ /min	14m ³ /min

生活的智慧就在于遇事问个为什么。
The wisdom of life lies in asking why.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	13.70	HD55A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HD55A02
3、逆 止 阀 Check Valve	0.70	HD55A03
4、弹 簧 Spring	0.10	HD55A04
5、配 气 座 Air Distributor	2.00	HD55A05
6、内 缸 Internal Cylinder	2.80	HD55A06
7、活 塞 Piston	15.00	HD55A07
8、外 缸 External Cylinder	24.00	HD55A08
9、衬 套 Guided Sleeve	2.60	HD55A09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HD55A10
11、卡 环 Stop Ring	0.50	HD55A11
12、卡 钎 套 Drive Chuck	6.50	HD55A12
13、钻 头 Drill Bit	16.00	HD55A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

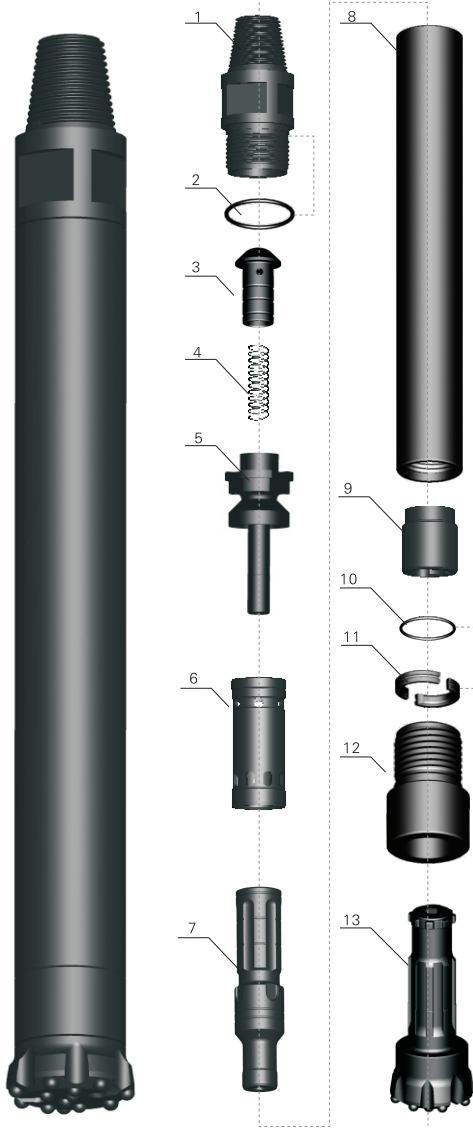
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1110mm	69.00Kg	Φ125mm	Cop54 DHD350R	Φ135—Φ155	API 2 $\frac{3}{8}$ " Reg 或API 3 $\frac{1}{2}$ " Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	28HZ	20—35r/min	7m ³ /min	14m ³ /min	19m ³ /min



用着的钥匙永远光亮。
The using key always keeps bright.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	13.30	HD55S01
2、接头O形圈 “O” Ring of Top Sub	0.015	HD55S02
3、逆止阀 Check Valve	0.70	HD55S03
4、弹簧 Spring	0.10	HD55S04
5、配气座 Air Distributor	1.90	HD55S05
6、内缸 Internal Cylinder	2.70	HD55S06
7、活塞 Piston	14.50	HD55S07
8、外缸 External Cylinder	23.00	HD55S08
9、衬套 Guided Sleeve	2.50	HD55S09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HD55S10
11、卡环 Stop Ring	0.50	HD55S11
12、卡钎套 Drive Chuck	6.20	HD55S12
13、钻头 Drill Bit	15.50	HD55S13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数
Technical Data

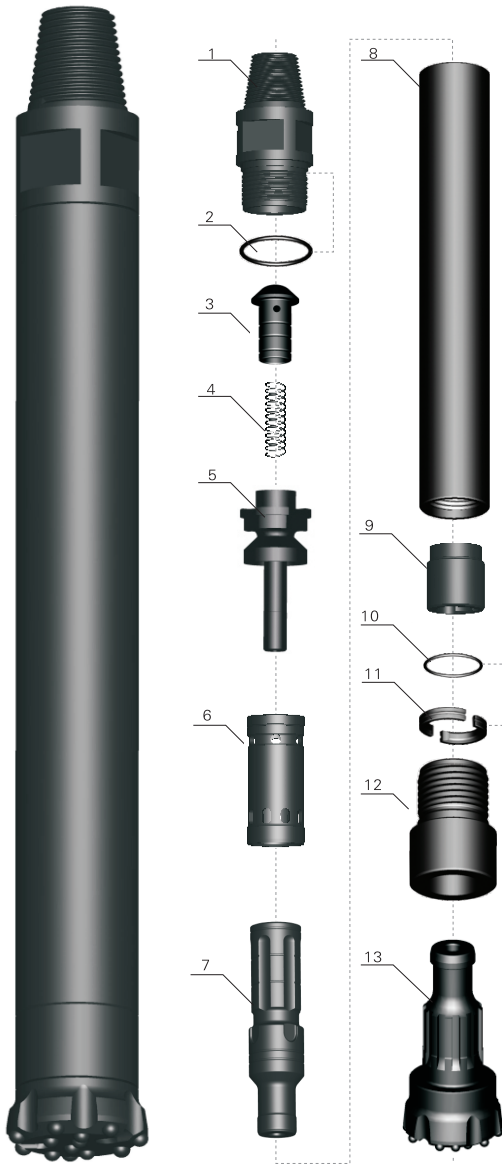
总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1110mm	66.00Kg	Φ116mm	Cop54 DHD350R	Φ127—Φ145	API 2 $\frac{3}{8}$ " Reg 或API 3 $\frac{1}{2}$ " Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	28HZ	20—35r/min	7m ³ /min	13.5m ³ /min	18m ³ /min



雪满山中高士卧，月明林下美人来。

In the mountain full of snow lies the hermit, in the moon-lit wood comes the beauty.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	13.70	HM5A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HM5A02
3、逆 止 阀 Check Valve	0.70	HM5A03
4、弹 簧 Spring	0.10	HM5A04
5、配 气 座 Air Distributor	2.00	HM5A05
6、内 缸 Internal Cylinder	2.80	HM5A06
7、活 塞 Piston	15.00	HM5A07
8、外 缸 External Cylinder	24.00	HM5A08
9、衬 套 Guided Sleeve	2.60	HM5A09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HM5A10
11、卡 环 Stop Ring	0.70	HM5A11
12、卡 钎 套 Drive Chuck	6.50	HM5A12
13、钻 头 Drill Bit	13.50	HM5A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数
Technical Data

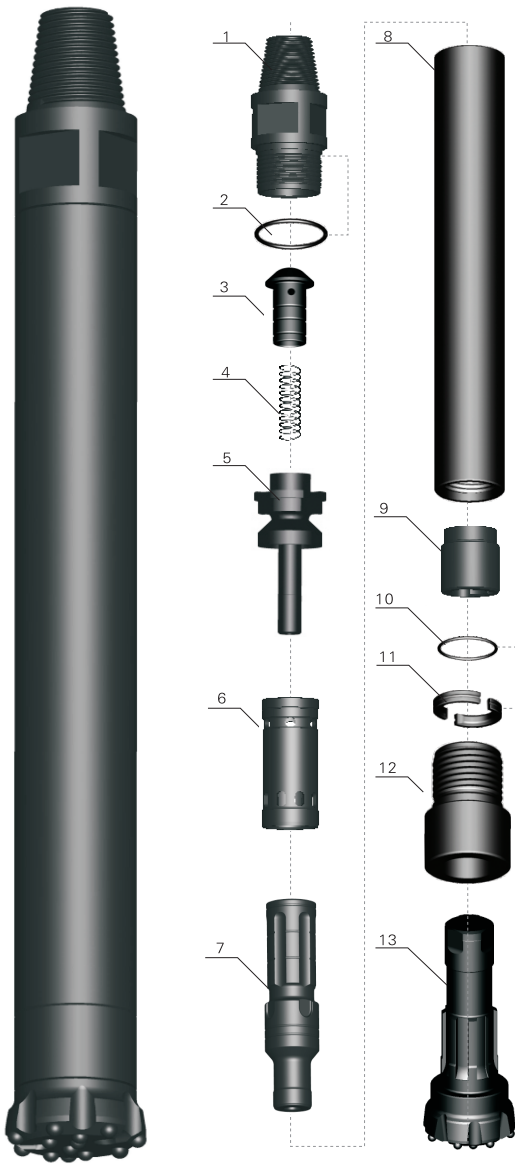
总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1110mm	68.50Kg	Φ 125mm	Mission50	Φ 135—Φ 155	API 2 3/8" Reg 或API 3 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	28HZ	20—35r/min	7m ³ /min	14m ³ /min	19m ³ /min



疑无路时却有路，该低头处且低头。

There is a path out when one doubts whether there is a way out, bow your head when you should be.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	13.70	HD55C(A)01
2、接头O形圈 “O” Ring of Top Sub	0.015	HD55C(A)02
3、逆 止 阀 Check Valve	0.70	HD55C(A)03
4、弹 簧 Spring	0.10	HD55C(A)04
5、配 气 座 Air Distributor	2.00	HD55C(A)05
6、内 缸 Internal Cylinder	2.80	HD55C(A)06
7、活 塞 Piston	15.00	HD55C(A)07
8、外 缸 External Cylinder	25.00	HD55C(A)08
9、衬 套 Guided Sleeve	3.20	HD55C(A)09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HD55C(A)10
11、卡 环 Stop Ring	0.50	HD55C(A)11
12、卡 钎 套 Drive Chuck	4.00	HD55C(A)12
13、钻 头 Drill Bit	15.90	HD55C(A)13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

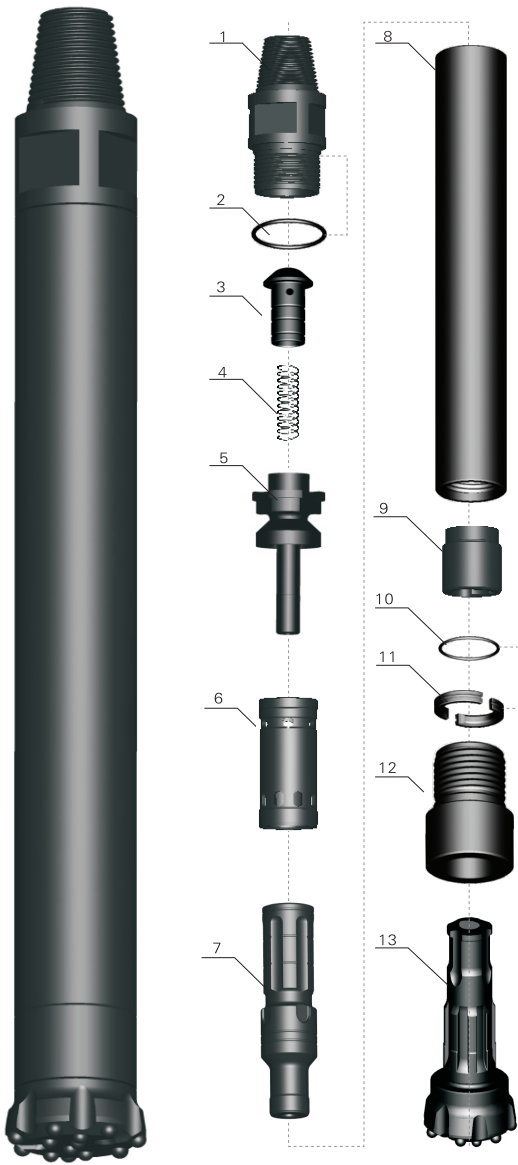
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread	
1102mm	68.00Kg	Φ125mm	Cop54 DHD350R	Φ135—Φ155	API 2 3/8" Reg 或API 3 1/2" Reg	
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa		推荐转速 Recommended rotation speed	耗风量 Air consumption		
				1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	28HZ		20—35r/min	8m ³ /min	14m ³ /min 19m ³ /min	

借天下势，发天下财，办天下事。

Follow the trend of the world, make fortune and handle affairs.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	13.70	HSD5A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HSD5A02
3、逆 止 阀 Check Valve	0.70	HSD5A03
4、弹 簧 Spring	0.10	HSD5A04
5、配 气 座 Air Distributor	2.00	HSD5A05
6、内 缸 Internal Cylinder	2.80	HSD5A06
7、活 塞 Piston	15.00	HSD5A07
8、外 缸 External Cylinder	24.00	HSD5A08
9、衬 套 Guided Sleeve	2.60	HSD5A09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HSD5A10
11、卡 环 Stop Ring	0.50	HSD5A11
12、卡 钎 套 Drive Chuck	7.50	HSD5A12
13、钻 头 Drill Bit	16.00	HSD5A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

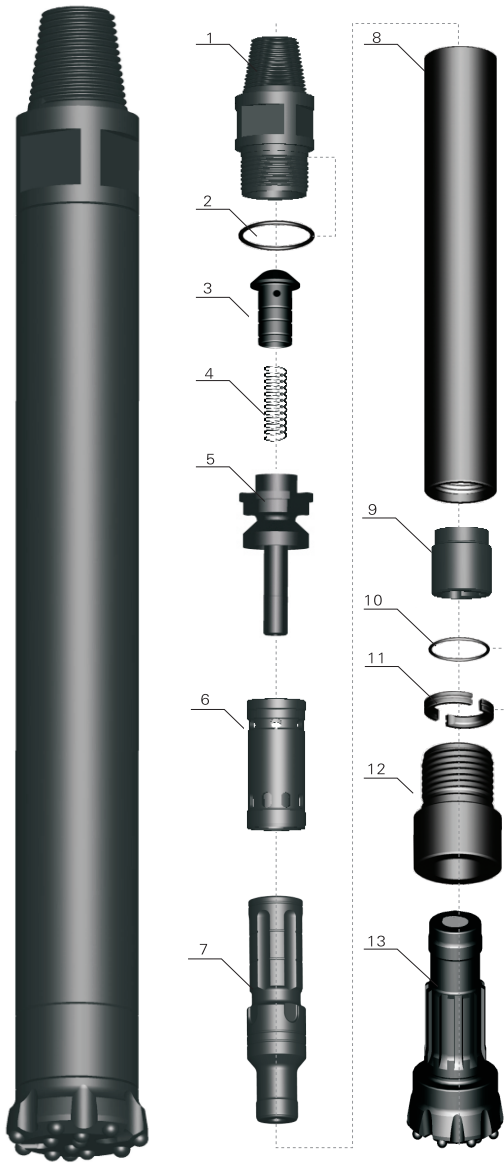
总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1090mm	70.00Kg	Φ125mm	SD5	Φ135—Φ155	API 2 3/8" Reg 或API 3 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	28HZ	20—35r/min	7m ³ /min	14m ³ /min	19m ³ /min



鸦有反哺之孝，羊知跪乳之恩。

The crow knows regurgitation—feeding, and the lamb sees kneeling milk.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	13.70	HQL5A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HQL5A02
3、逆 止 阀 Check Valve	0.70	HQL5A03
4、弹 簧 Spring	0.10	HQL5A04
5、配 气 座 Air Distributor	2.00	HQL5A05
6、内 缸 Internal Cylinder	2.70	HQL5A06
7、活 塞 Piston	15.00	HQL5A07
8、外 缸 External Cylinder	24.00	HQL5A08
9、衬 套 Guided Sleeve	3.00	HQL5A09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HQL5A10
11、卡 环 Stop Ring	0.40	HQL5A11
12、卡 钎 套 Drive Chuck	4.50	HQL5A12
13、钻 头 Drill Bit	16.00	HQL5A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

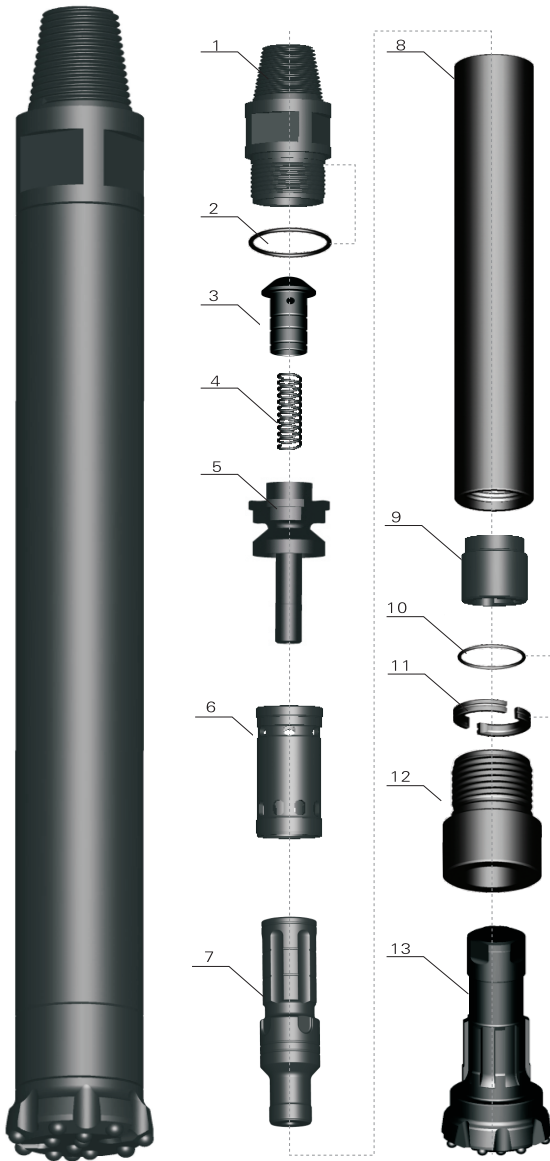
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1090mm	67.00Kg	Φ 125mm	QL50	Φ 135—Φ 155	API 2 $\frac{3}{8}$ " Reg 或API 3 $\frac{1}{2}$ " Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	28HZ	20—35r/min	7m ³ /min	14m ³ /min	19m ³ /min

记住该记住的，忘记该忘记的，改变能改变的，接受不能改变的。
Remember what should be remembered, forget what should be forgotten; Alter what is changeable, accept what is unalterable.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	20.00	HD65A01
2、接头O形圈 “O” Ring of Top Sub	0.02	HD65A02
3、逆 止 阀 Check Valve	0.70	HD65A03
4、弹 簧 Spring	0.10	HD65A04
5、配 气 座 Air Distributor	3.50	HD65A05
6、内 缸 Internal Cylinder	4.20	HD65A06
7、活 塞 Piston	23.00	HD65A07
8、外 缸 External Cylinder	31.50	HD65A08
9、衬 套 Guided Sleeve	6.50	HD65A09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HD65A10
11、卡 环 Stop Ring	0.60	HD65A11
12、卡 钎 套 Drive Chuck	6.00	HD65A12
13、钻 头 Drill Bit	26.00	HD65A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

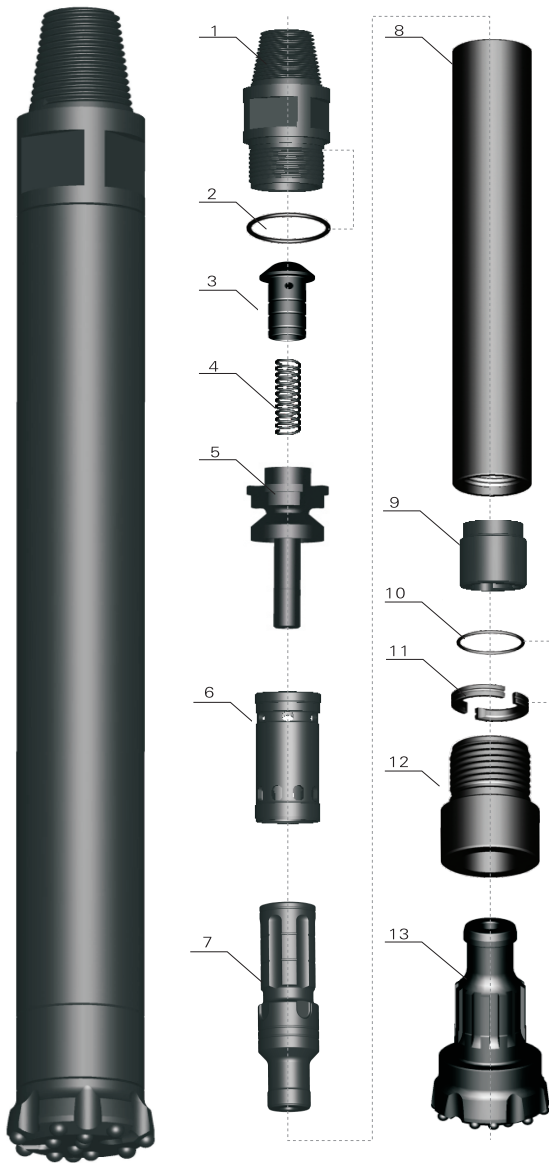
技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1238mm	98.0Kg	Φ142mm	Cop64 DHD360	Φ155—Φ203	API 3 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—30r/min	9m ³ /min	18m ³ /min	26m ³ /min

最能征服人心的力量，恰恰来自对他人的尊重。

Respect for others is precisely the source of power that conquers the heart best.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	20.00	HM6A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HM6A02
3、逆 止 阀 Check Valve	0.70	HM6A03
4、弹 簧 Spring	0.10	HM6A04
5、配 气 座 Air Distributor	3.50	HM6A05
6、内 缸 Internal Cylinder	4.20	HM6A06
7、活 塞 Piston	23.00	HM6A07
8、外 缸 External Cylinder	26.00	HM6A08
9、衬 套 Guided Sleeve	4.80	HM6A09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HM6A10
11、卡 环 Stop Ring	0.80	HM6A11
12、卡 钎 套 Drive Chuck	4.20	HM6A12
13、钻 头 Drill Bit	23.00	HM6A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

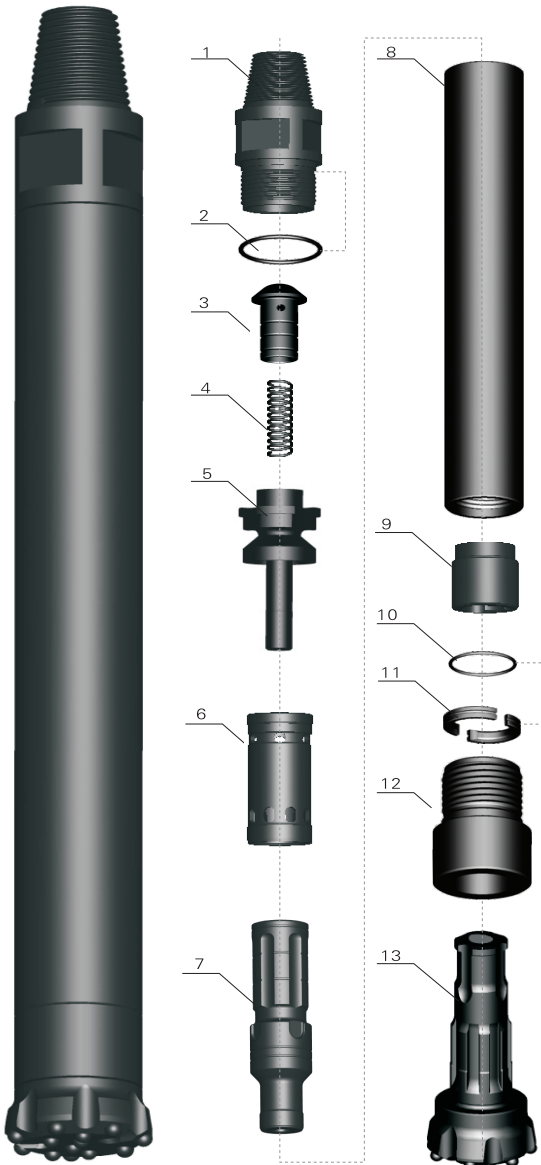
技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1161mm	90.00Kg	Φ146mm	Mission60	Φ155—Φ203	API 3 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—30r/min	9m ³ /min	18m ³ /min	26m ³ /min



身安不如心安，屋宽不如心宽。
Feeling at ease is better than body security and to laugh is better than big house.



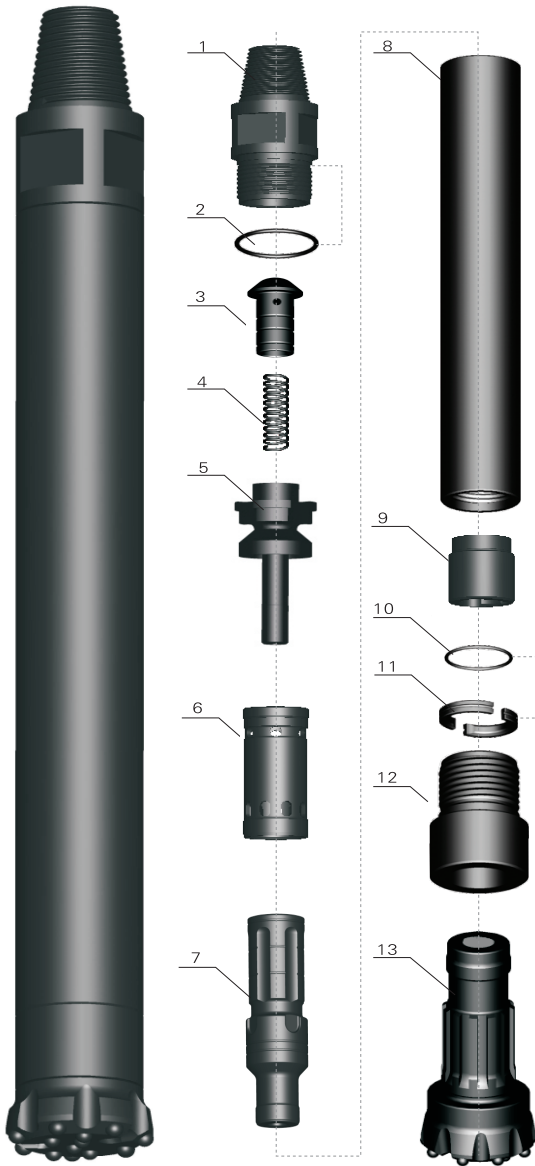
	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接头 Top Sub	20.00	HSD6A01
	2、接头O形圈 “O” Ring of Top Sub	0.015	HSD6A02
	3、逆止阀 Check Valve	0.70	HSD6A03
	4、弹簧 Spring	0.10	HSD6A04
	5、配气座 Air Distributor	3.50	HSD6A05
	6、内缸 Internal Cylinder	4.20	HSD6A06
	7、活塞 Piston	23.00	HSD6A07
	8、外缸 External Cylinder	28.00	HSD6A08
	9、衬套 Guided Sleeve	2.50	HSD6A09
	10、卡环O型圈 “O” Ring of Stop Ring	0.01	HSD6A10
	11、卡环 Stop Ring	0.50	HSD6A11
	12、卡钎套 Drive Chuck	7.50	HSD6A12
13、钻头 Drill Bit	27.00	HSD6A13	
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。</p> <p>According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1182mm	90.00Kg	Φ146mm	SD6	Φ155—Φ203	API 3 1/2" Reg
可用工作压力 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—30r/min	9m ³ /min	18m ³ /min	26m ³ /min



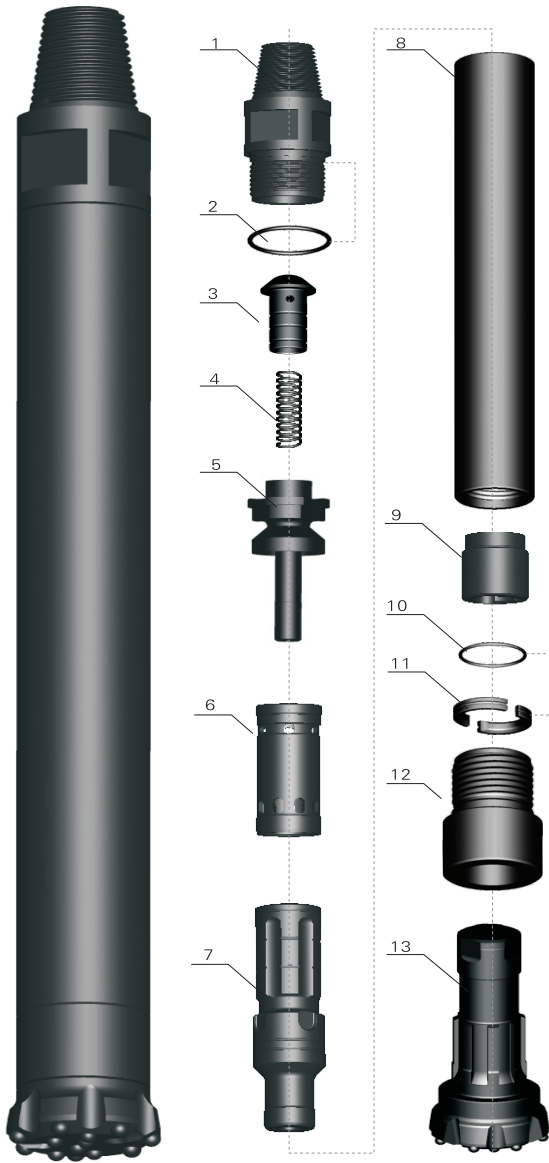


Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	20.00	HQL6A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HQL6A02
3、逆 止 阀 Check Valve	0.70	HQL6A03
4、弹 簧 Spring	0.10	HQL6A04
5、配 气 座 Air Distributor	3.50	HQL6A05
6、内 缸 Internal Cylinder	4.20	HQL6A06
7、活 塞 Piston	23.00	HQL6A07
8、外 缸 External Cylinder	30.00	HQL6A08
9、衬 套 Guided Sleeve	4.00	HQL6A09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HQL6A10
11、卡 环 Stop Ring	0.60	HQL6A11
12、卡 钎 套 Drive Chuck	5.50	HQL6A12
13、钻 头 Drill Bit	25.00	HQL6A13

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1183mm	92.00Kg	Φ 146mm	QL60	Φ 155—Φ 203	API 3 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—30r/min	9m ³ /min	18m ³ /min	26m ³ /min



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	23.00	HD75A01
2、接头O形圈 "O" Ring of Top Sub	0.015	HD75A02
3、逆止阀 Check Valve	0.70	HD75A03
4、弹簧 Spring	0.10	HD75A04
5、配气座 Air Distributor	4.50	HD75A05
6、内缸 Internal Cylinder	6.50	HD75A06
7、活塞 Piston	28.00	HD75A07
8、外缸 External Cylinder	40.00	HD75A08
9、衬套 Guided Sleeve	7.50	HD75A09
10、卡环O型圈 "O" Ring of Stop Ring	0.01	HD75A10
11、卡环 Stop Ring	0.80	HD75A11
12、卡钎套 Drive Chuck	8.00	HD75A12
13、钻头 Drill Bit	28.50	HD75A13

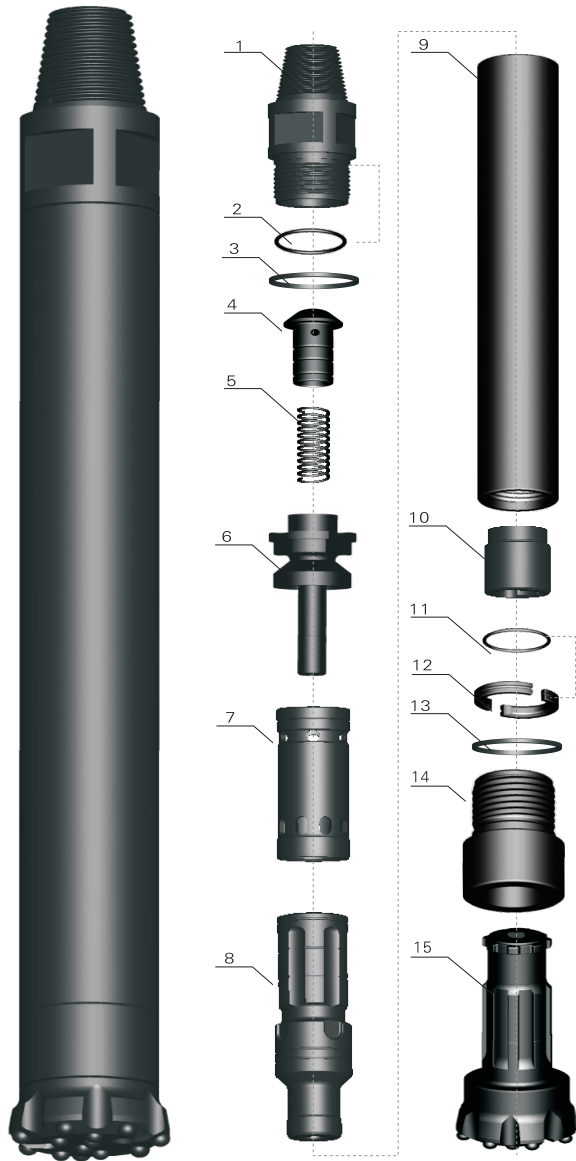
如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1258mm	120.0Kg	Φ165mm	Cop64 DHD360	Φ175—Φ216	API 3 1/2" Reg
可用工作压力 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	23HZ	20—30r/min	11m ³ /min	20m ³ /min	28m ³ /min

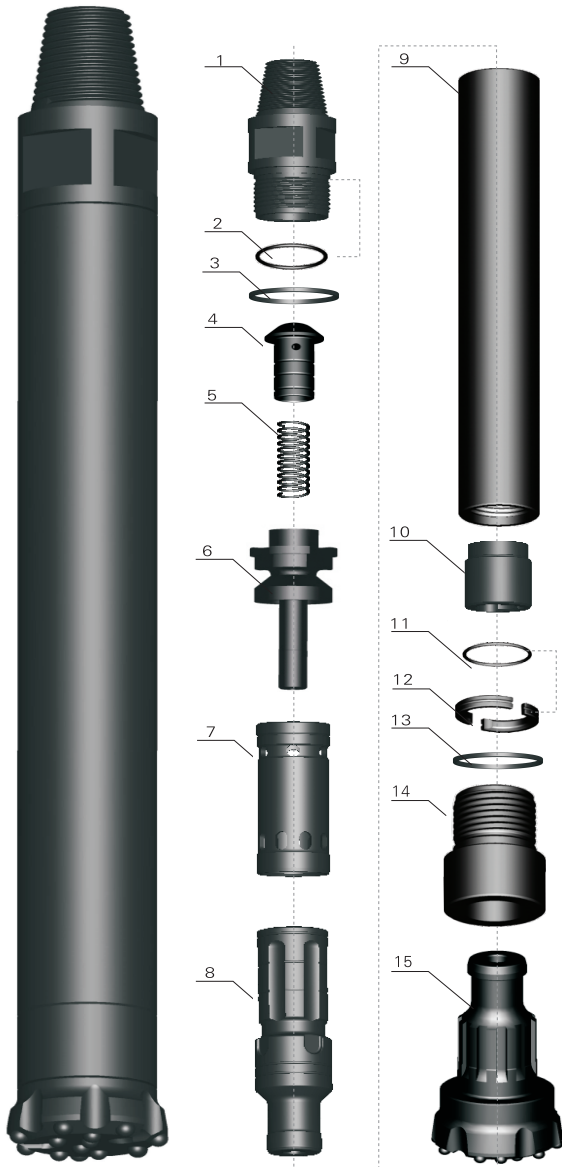


Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	34.00	HD85A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HD85A02
3、接头垫片 Breakout Ring	0.01	HD85A03
4、逆 止 阀 Check Valve	1.20	HD85A04
5、弹 簧 Spring	0.10	HD85A05
6、配 气 座 Air Distributor	6.00	HD85A06
7、内 缸 Internal Cylinder	6.50	HD85A07
8、活 塞 Piston	42.50	HD85A08
9、外 缸 External Cylinder	60.00	HD85A09
10、衬 套 Guided Sleeve	5.30	HD85A10
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HD85A11
12、卡 环 Stop Ring	1.20	HD85A12
13、卡钎套垫片 Breakout Ring	0.01	HD85A13
14、卡 钎 套 Drive Chuck	17.50	HD85A14
15、钻 头 Drill Bit	40.00	HD85A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1359mm	175.00Kg	Φ 180mm	Cop84 DHD380R	Φ 195—Φ 254	API 4 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	22HZ	15—25r/min	12m ³ /min	22m ³ /min	28m ³ /min



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	34.00	HM8A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HM8A02
3、接头垫片 Breakout Ring	0.01	HM8A03
4、逆 止 阀 Check Valve	1.20	HM8A04
5、弹 簧 Spring	0.10	HM8A05
6、配 气 座 Air Distributor	6.00	HM8A06
7、内 缸 Internal Cylinder	6.50	HM8A07
8、活 塞 Piston	42.50	HM8A08
9、外 缸 External Cylinder	61.00	HM8A09
10、衬 套 Guided Sleeve	5.30	HM8A10
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HM8A11
12、卡 环 Stop Ring	1.50	HM8A12
13、卡钎套垫片 Breakout Ring	0.01	HM8A13
14、卡 钎 套 Drive Chuck	17.30	HM8A14
15、钻 头 Drill Bit	31.00	HM8A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

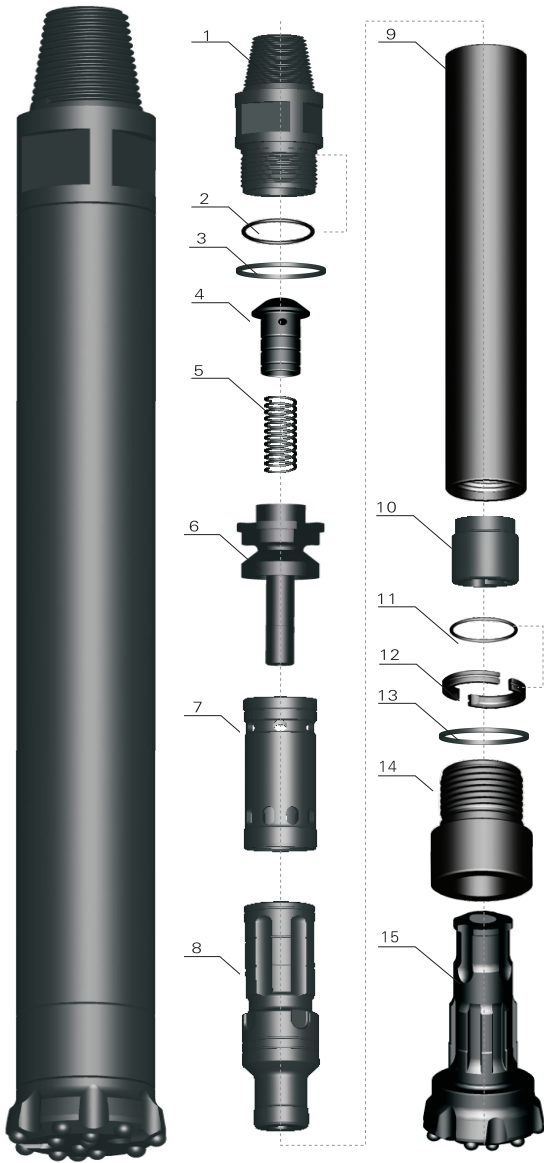
技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1338mm	176.00Kg	Φ180mm	Mission80	Φ195—Φ254	API 4½”Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	22HZ	15—25r/min	12m³/min	22m³/min	28m³/min

找借口不如找差距，找理由不如找方法。

Realization of shortcomings serves better than excuse and methods better than false reasons.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	34.00	HSD8A01
2、接头O形圈 “O” Ring of Top Sub	0.015	HSD8A02
3、接头垫片 Breakout Ring	0.01	HSD8A03
4、逆 止 阀 Check Valve	1.20	HSD8A04
5、弹 簧 Spring	0.10	HSD8A05
6、配 气 座 Air Distributor	6.00	HSD8A06
7、内 缸 Internal Cylinder	6.50	HSD8A07
8、活 塞 Piston	42.50	HSD8A08
9、外 缸 External Cylinder	59.00	HSD8A09
10、衬 套 Guided Sleeve	6.00	HSD8A10
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HSD8A11
12、卡 环 Stop Ring	1.20	HSD8A12
13、卡钎套垫片 Breakout Ring	0.01	HSD8A13
14、卡 钎 套 Drive Chuck	16.00	HSD8A14
15、钻 头 Drill Bit	37.00	HSD8A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

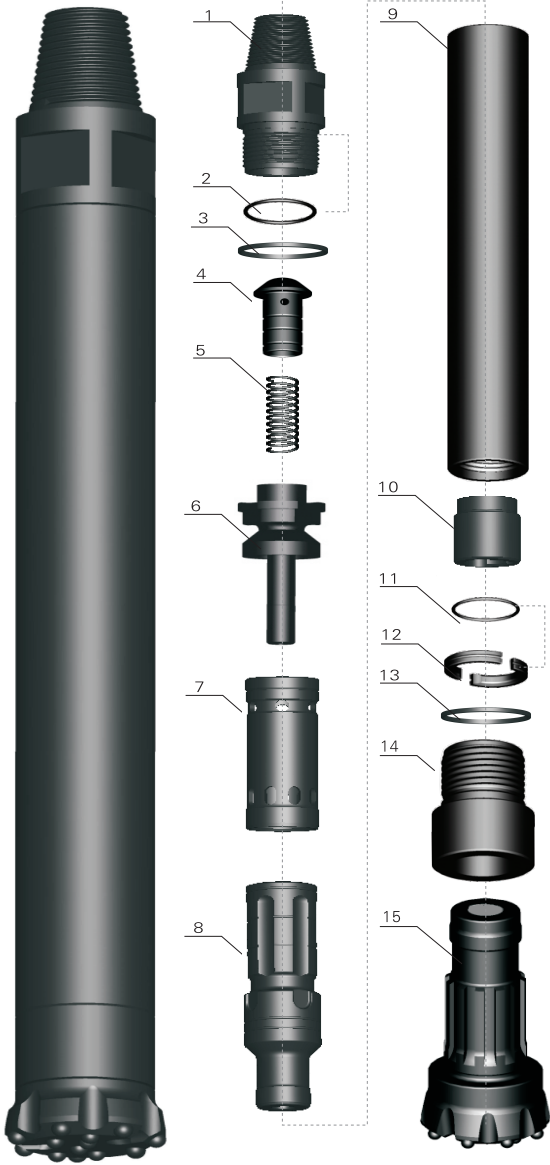
技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1330mm	174.00Kg	Φ 180mm	SD8	Φ 195—Φ 254	API 4 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	22HZ	15—25r/min	12m ³ /min	22m ³ /min	28m ³ /min

成功的花儿，人们只惊羡她的美艳，当初的芽儿，却浸透了奋斗的泪泉。

The bright beauty of a flower in full bloom is always caught by eyes, but the sprout from which it sprang and is growing up is designed.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	34.00	HQL8A01
2、接头O形圈 "O" Ring of Top Sub	0.015	HQL8A02
3、接头垫片 Breakout Ring	0.01	HQL8A03
4、逆止阀 Check Valve	1.20	HQL8A04
5、弹簧 Spring	0.10	HQL8A05
6、配气座 Air Distributor	6.00	HQL8A06
7、内缸 Internal Cylinder	6.50	HQL8A07
8、活塞 Piston	42.50	HQL8A08
9、外缸 External Cylinder	59.00	HQL8A09
10、衬套 Guided Sleeve	6.30	HQL8A10
11、卡环O形圈 "O" Ring of Stop Ring	0.01	HQL8A11
12、卡环 Stop Ring	1.40	HQL8A12
13、卡钎套垫片 Breakout Ring	0.01	HQL8A13
14、卡钎套 Drive Chuck	13.00	HQL8A14
15、钻头 Drill Bit	35.00	HQL8A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

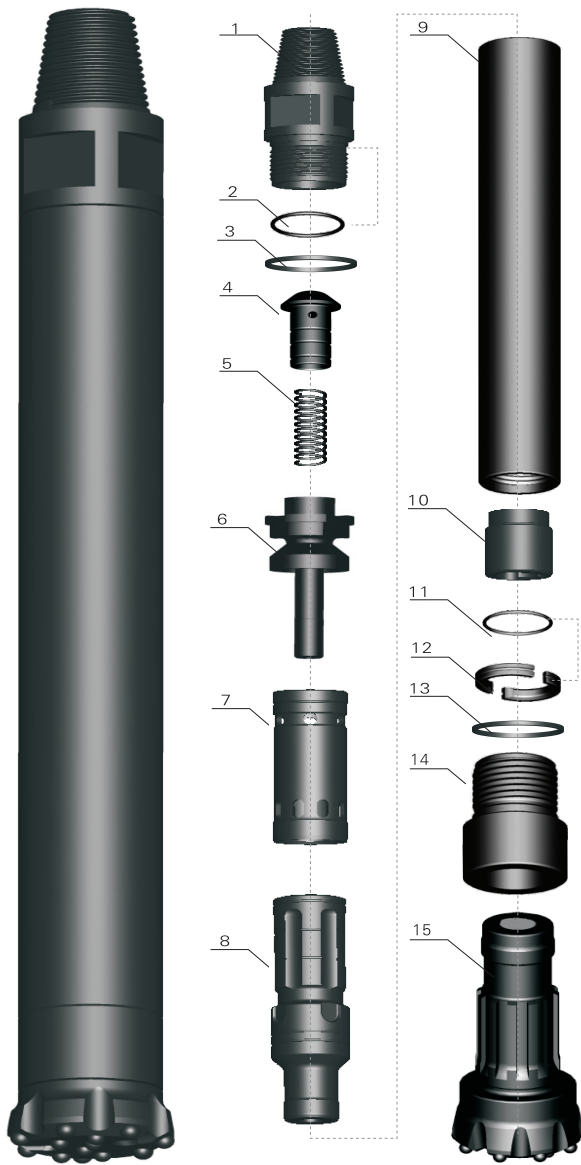
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1330mm	171.00Kg	Φ180mm	QL80	Φ195—Φ254	API 4½"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	22HZ	15—25r/min	12m³/min	22m³/min	28m³/min



不许说竞争对手的坏话!
Never speak ill of your competitors.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	35.00	HQL95A01
2、接头O形圈 “O” Ring of Top Sub	0.01	HQL95A02
3、接头垫片 Breakout Ring	0.015	HQL95A03
4、逆 止 阀 Check Valve	1.20	HQL95A04
5、弹 簧 Spring	0.10	HQL95A05
6、配 气 座 Air Distributor	7.00	HQL95A06
7、内 缸 Internal Cylinder	7.50	HQL95A07
8、活 塞 Piston	48.00	HQL95A08
9、外 缸 External Cylinder	75.00	HQL95A09
10、衬 套 Guided Sleeve	12.00	HQL95A10
11、卡 环O型圈 “O” Ring of Stop Ring	0.01	HQL95A11
12、卡 环 Stop Ring	1.70	HQL95A12
13、卡钎套垫片 Breakout Ring	0.01	HQL95A13
14、卡 钎 套 Drive Chuck	15.00	HQL90A14
15、钻 头 Drill Bit	50.00	HQL95A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1340mm	203.00Kg	Φ 203mm	QL80	Φ 216—Φ 254	API 4 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	22HZ	15—25r/min	16m ³ /min	28m ³ /min	39m ³ /min

按制度管理，按程序办事，按标准操作。

Act according to the procedure, operate following the standard and manage in accordance with the system.

	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、接 头 Top Sub	59.00	HSD10A01
2、接头O形圈 “O” Ring of Top Sub	0.03	HSD10A02	
3、接头垫片 Breakout Ring	0.20	HSD10A03	
4、逆 止 阀 Check Valve	1.40	HSD10A04	
5、弹 簧 Spring	0.30	HSD10A05	
6、配 气 座 Air Distributor	10.50	HSD10A06	
7、内 缸 Internal Cylinder	12.50	HSD10A07	
8、活 塞 Piston	77.00	HSD10A08	
9、外 缸 External Cylinder	110.00	HSD10A09	
10、衬 套 Guided Sleeve	11.50	HSD10A10	
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HSD10A11	
12、卡 环 Stop Ring	1.50	HSD10A12	
13、卡钎套垫片 Breakout Ring	0.20	HSD10A13	
14、卡 钎 套 Drive Chuck	31.50	HSD10A14	
15、钻 头 Drill Bit	108.00	HSD10A15	
<p>如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。</p> <p>According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.</p>			

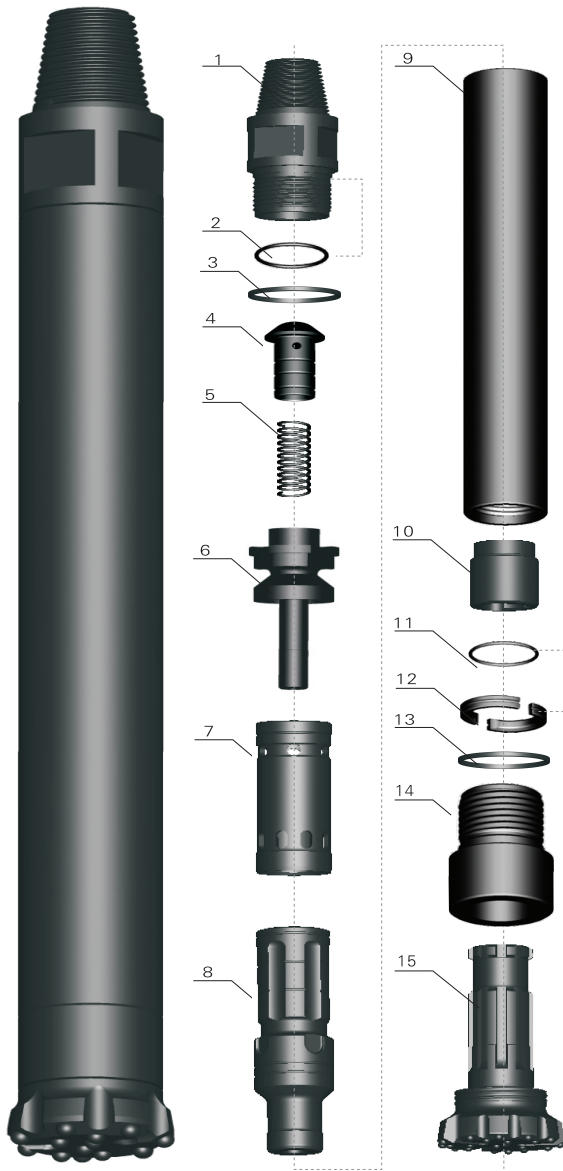
技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1525mm	316.00Kg	Φ226mm	SD10	Φ254—Φ311	API 6 $\frac{1}{2}$ "Reg
可用工作压力 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	22m ³ /min	40m ³ /min	65m ³ /min

因境而变，随情而行。

Change with the ever-changing situation; act according to the true of your mind.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	59.00	HN100A01
2、接头O形圈 “O” Ring of Top Sub	0.03	HN100A02
3、接头垫片 Breakout Ring	0.20	HN100A03
4、逆止阀 Check Valve	1.40	HN100A04
5、弹簧 Spring	0.30	HN100A05
6、配气座 Air Distributor	10.50	HN100A06
7、内缸 Internal Cylinder	12.50	HN100A07
8、活塞 Piston	77.00	HN100A08
9、外缸 External Cylinder	110.00	HN100A09
10、衬套 Guided Sleeve	4.50	HN100A10
11、卡环O型圈 “O” Ring of Stop Ring	0.02	HN100A11
12、卡环 Stop Ring	1.90	HN100A12
13、卡钎套垫片 Breakout Ring	0.20	HN100A13
14、卡钎套 Drive Chuck	25.50	HN100A14
15、钻头 Drill Bit	106.00	HN100A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

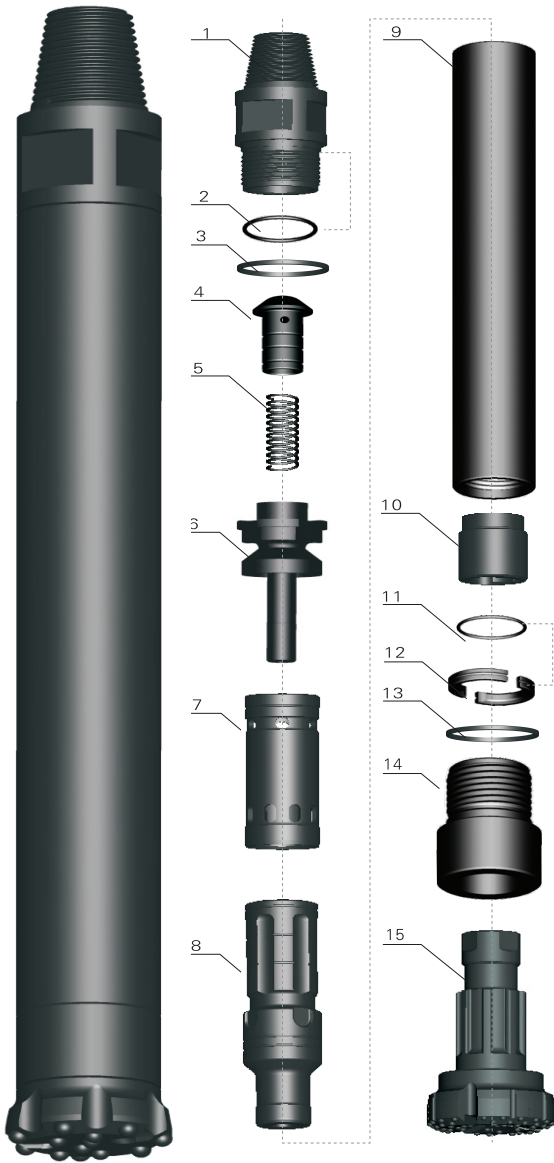
技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1545mm	305.00Kg	Φ226mm	NUMA100	Φ254—Φ311	API 65"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	22m ³ /min	40m ³ /min	65m ³ /min

得意失意切莫在意，顺境逆境切莫止境。

Success or frustration, don't give too much consideration; Weal or woe, never be at standstill.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	70.00	HD1120A01
2、接头O形圈 “O” Ring of Top Sub	0.04	HD1120A02
3、接头垫片 Breakout Ring	0.40	HD1120A03
4、逆止阀 Check Valve	2.00	HD1120A04
5、弹簧 Spring	0.10	HD1120A05
6、配气座 Air Distributor	16.00	HD1120A06
7、内缸 Internal Cylinder	25.00	HD1120A07
8、活塞 Piston	113.00	HD1120A08
9、外缸 External Cylinder	173.00	HD1120A09
10、衬套 Guided Sleeve	24.00	HD1120A10
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HD1120A11
12、卡环 Stop Ring	4.00	HD1120A12
13、卡钎套垫片 Breakout Ring	0.40	HD1120A13
14、卡钎套 Drive Chuck	46.00	HD1120A14
15、钻头 Drill Bit	140.00	HD1120A15

如客户要求，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

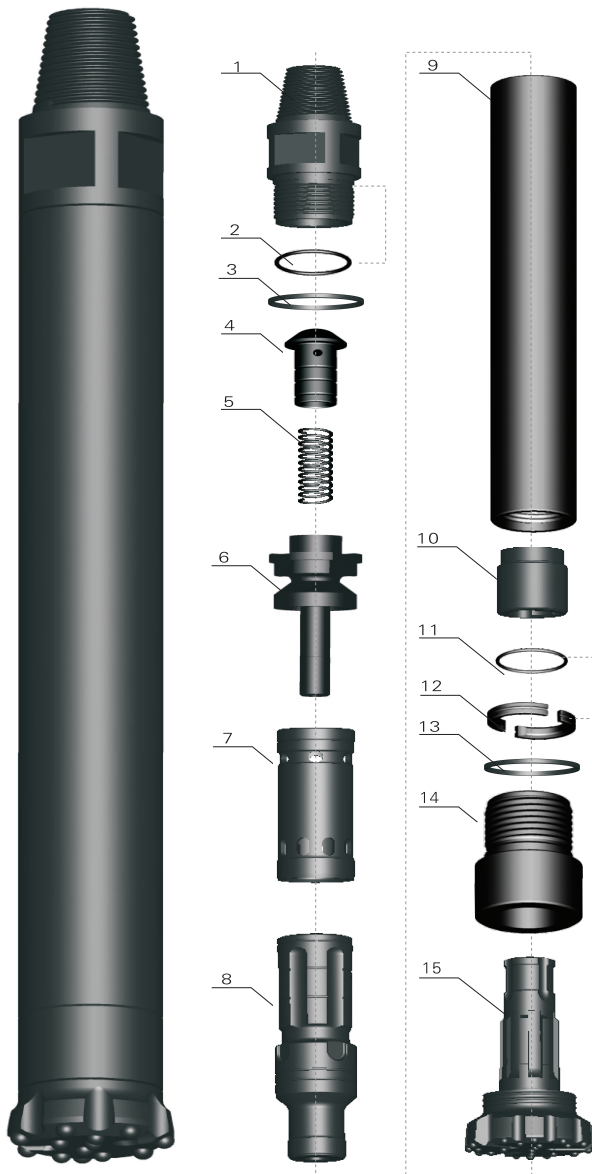
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1880mm	474.00Kg	Φ275mm	DHD1120	Φ305—Φ445	API 6 $\frac{1}{2}$ "Reg
可用工作压力 Working Pressure	在17bar时的冲击频率 Impact rate at 17 Bar	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	28m ³ /min	50m ³ /min	71m ³ /min

做一个不可或缺的人
To be someone who is indispensable.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	70.00	HSD12A01
2、接头O形圈 “O” Ring of Top Sub	0.04	HSD12A02
3、接头垫片 Breakout Ring	0.60	HSD12A03
4、逆 止 阀 Check Valve	2.00	HSD12A04
5、弹 簧 Spring	0.10	HSD12A05
6、配 气 座 Air Distributor	16.00	HSD12A06
7、内 缸 Internal Cylinder	25.00	HSD12A07
8、活 塞 Piston	113.00	HSD12A08
9、外 缸 External Cylinder	175.00	HSD12A09
10、衬 套 Guided Sleeve	25.00	HSD12A10
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HSD12A11
12、卡 环 Stop Ring	4.50	HSD12A12
13、卡钎套垫片 Breakout Ring	0.60	HSD12A13
14、卡 钎 套 Drive Chuck	48.00	HSD12A14
15、钻 头 Drill Bit	165.00	HSD12A15

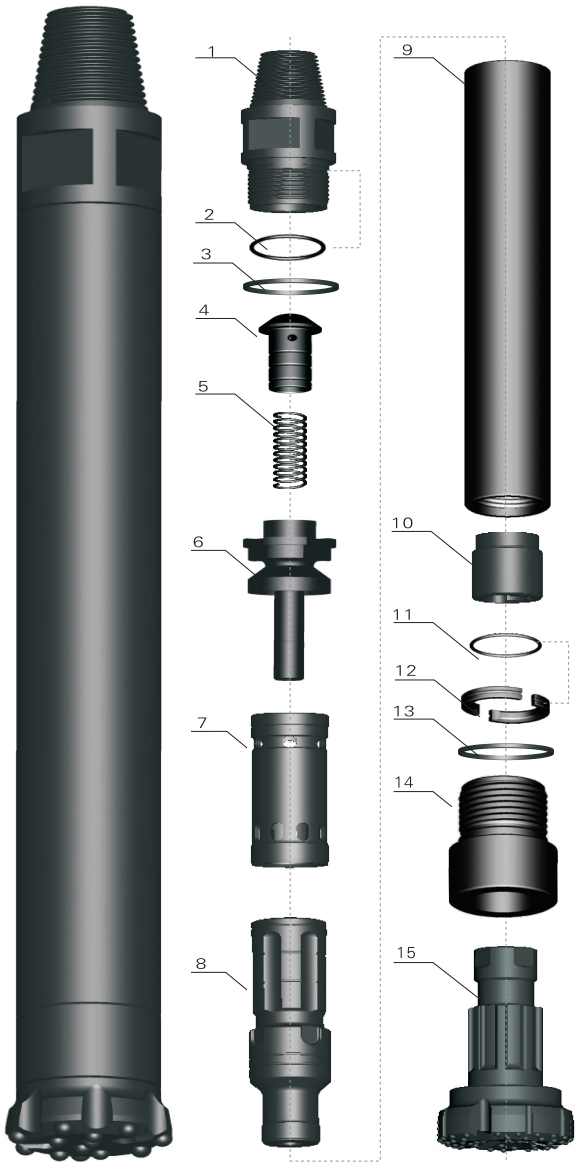
如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1860mm	480.00Kg	Φ275mm	SD12	Φ305—Φ445	API 65"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—250r/min	28m³/min	50m³/min	71m³/min

每次只决定一件事。
Jump, and get an apple.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件 代号)
1、接 头 Top Sub	70.00	HN120A01
2、接头O形圈 “O” Ring of Top Sub	0.04	HN120A02
3、接头垫片 Breakout Ring	0.60	HN120A03
4、逆 止 阀 Check Valve	2.00	HN120A04
5、弹 簧 Spring	0.10	HN120A05
6、配 气 座 Air Distributor	16.00	HN120A06
7、内 缸 Internal Cylinder	25.00	HN120A07
8、活 塞 Piston	113.00	HN120A08
9、外 缸 External Cylinder	170.00	HN120A09
10、衬 套 Guided Sleeve	25.00	HN120A10
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HN120A11
12、卡 环 Stop Ring	4.50	HN120A12
13、卡钎套垫片 Breakout Ring	0.60	HN120A13
14、卡 钎 套 Drive Chuck	48.00	HN120A14
15、钻 头 Drill Bit	164.00	HN120A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

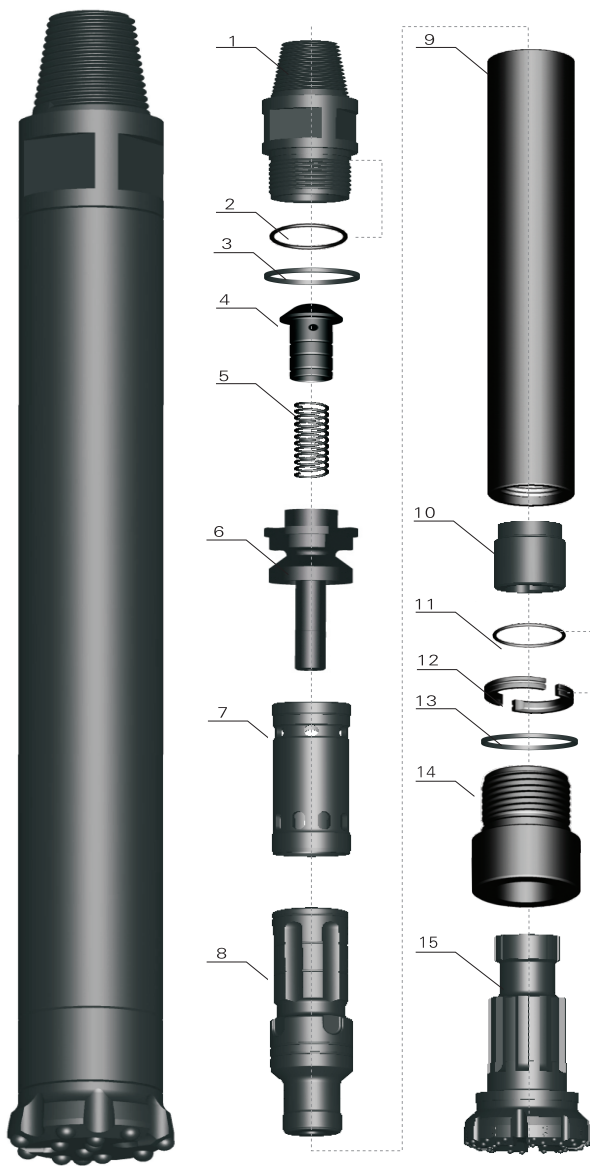
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1880mm	475.00Kg	Φ275mm	NUMA120	Φ305—Φ445	API 6 $\frac{1}{2}$ "Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	28m ³ /min	50m ³ /min	71m ³ /min

技术体现我们的智慧，质量体现我们的价值。
Technology embodies our wisdom, and quality represents our merits.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件 代号)
1、接 头 Top Sub	70.00	HN125A01
2、接头O形圈 “O” Ring of Top Sub	0.04	HN125A02
3、接头垫片 Breakout Ring	0.60	HN125A03
4、逆 止 阀 Check Valve	2.00	HN125A04
5、弹 簧 Spring	0.10	HN125A05
6、配 气 座 Air Distributor	16.00	HN125A06
7、内 缸 Internal Cylinder	25.00	HN125A07
8、活 塞 Piston	113.00	HN125A08
9、外 缸 External Cylinder	170.00	HN125A09
10、衬 套 Guided Sleeve	23.00	HN125A10
11、卡环O型圈 “O” Ring of Stop Ring	0.01	HN125A11
12、卡 环 Stop Ring	4.00	HN125A12
13、卡钎套垫片 Breakout Ring	0.60	HN125A13
14、卡 钎 套 Drive Chuck	45.00	HN125A14
15、钻 头 Drill Bit	175.00	HN125A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1880mm	470.00Kg	Φ 275mm	NUMA125	Φ305—Φ445	API 65"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	28m ³ /min	50m ³ /min	71m ³ /min

上帝第一，别人第二，你永远只是第三。

The god shall always be put in the first, others the second and you, shall ever be the third.

这种类型冲击器是我公司针对水井、微型桩和石油钻井的特点，自行设计开发和制造的高风压潜孔冲击器。

这种冲击器具有如下特点：

1. 采用最新凿岩理论，优化内部结构和配气尺寸，使冲击器获得最理想的能源传递，因此，钻进速度快，耗风量低。
2. 针对此类工程如钻头断裂，打捞十分困难，专门设计了安全可靠的钻头防脱落装置。
3. 使用中如需加强排渣，可更换逆止阀达到目的。
4. 接头和卡钎套采用特殊螺纹可使拆卸容易。

Based on the characteristics of the wells, mini-piles and oil drilling, our company self-designed, developed and manufactured this kind of high pressure DTH hammer.

It is has the following characteristics:

1. Using the latest rock drilling theory, optimizing the inside structure and the size of the air distribution, to make the DTH Hammer obtain the optimal energy transfer and make it achieve faster drilling speed and lower air consumption.
2. For such projects as the drill bit break, retrieving very difficult, we specially designed a safe and reliable anti-shedding device for the bit.
3. The check valve can be replaced to provide more efficient cuttings discharge.
4. The top sub and the drive chuck have special thread, which can achieve an easier disassemble.

水井、微型桩和石油钻井用大孔径冲击器名称解释
Explanation of product code

例：H D 1 8 0 A

H—Heijingang(黑金刚)简称

D—DTH(潜孔钻)简称

180—表示冲击器的外私尺寸

A—表示冲击器的所配钻头不需要尼龙管

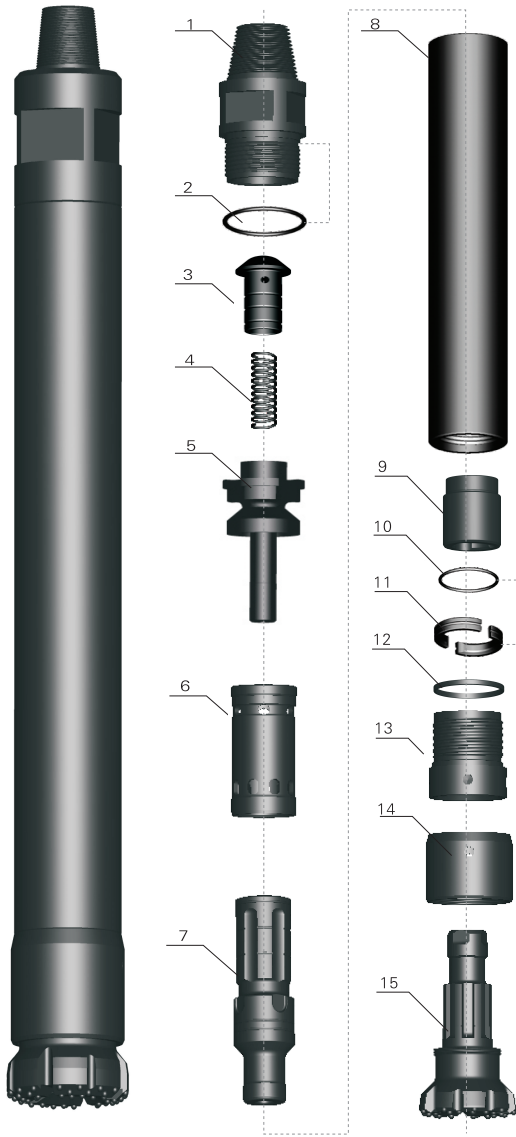
For example: HD180A

H—Heijingang(Our company name)

D—DTH (Down The Hole)

180—The outside diameter is 180

A—Using valveless DTH Bit



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	20.00	HD142A01
2、接头O形圈 “O” Ring of Top Sub	0.02	HD142A02
3、逆 止 阀 Check Valve	0.70	HD142A03
4、弹 簧 Spring	0.10	HD142A04
5、配 气 座 Air Distributor	3.50	HD142A05
6、内 缸 Internal Cylinder	4.20	HD142A06
7、活 塞 Piston	23.00	HD142A07
8、外 缸 External Cylinder	31.50	HD142A08
9、衬 套 Guided Sleeve	6.50	HD142A09
10、卡环O形圈 “O” Ring of Stop Ring	0.01	HD142A10
11、卡 环 Stop Ring	0.60	HD142A11
12、垫 片 Breakout Ring	0.20	HD142A12
13、卡 钎 套 Drive Chuck	5.00	HD142A13
14、防 脱 套 Patented Retainer	3.50	HD142A14
15、钻 头 Drill Bit	27.00	HD142A15

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

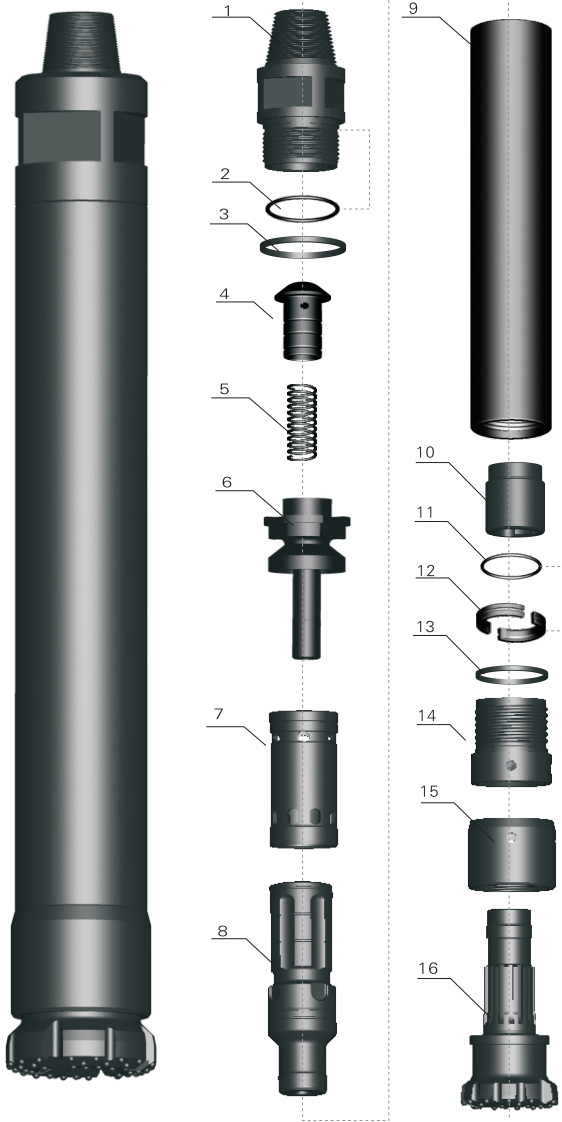
技 术 参 数

Technical Data

总长 (含钻头) Length(With bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1388mm	102.00Kg	Φ142mm	DHD360	Φ155—Φ195	API 3 1/2" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	25HZ	20—30r/min	9m ³ /min	18m ³ /min	26m ³ /min

少说话，多观察，装糊涂，吃小亏。

Speaking less but seeing more, feigning ignorance and accepting a little loss.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	34.00	HD180A01
2、接头O形圈 "O" Ring of Top Sub	0.015	HD180A02
3、垫片 Breakout Ring	0.60	HD180A03
4、逆止阀 Check Valve	1.20	HD180A04
5、弹簧 Spring	0.10	HD180A05
6、配气座 Air Distributor	6.00	HD180A06
7、内缸 Internal Cylinder	6.50	HD180A07
8、活塞 Piston	42.50	HD180A08
9、外缸 External Cylinder	60.00	HD180A09
10、衬套 Guided Sleeve	6.30	HD180A10
11、卡环O形圈 "O" Ring of Stop Ring	0.01	HD180A11
12、卡环 Stop Ring	1.40	HD180A12
13、垫片 Breakout Ring	0.60	HD180A13
14、卡钎套 Drive Chuck	12.00	HD180A14
15、防脱套 Patented Retainer	6.50	HD180A15
16、钻头 Drill Bit	37.00	HD180A16

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

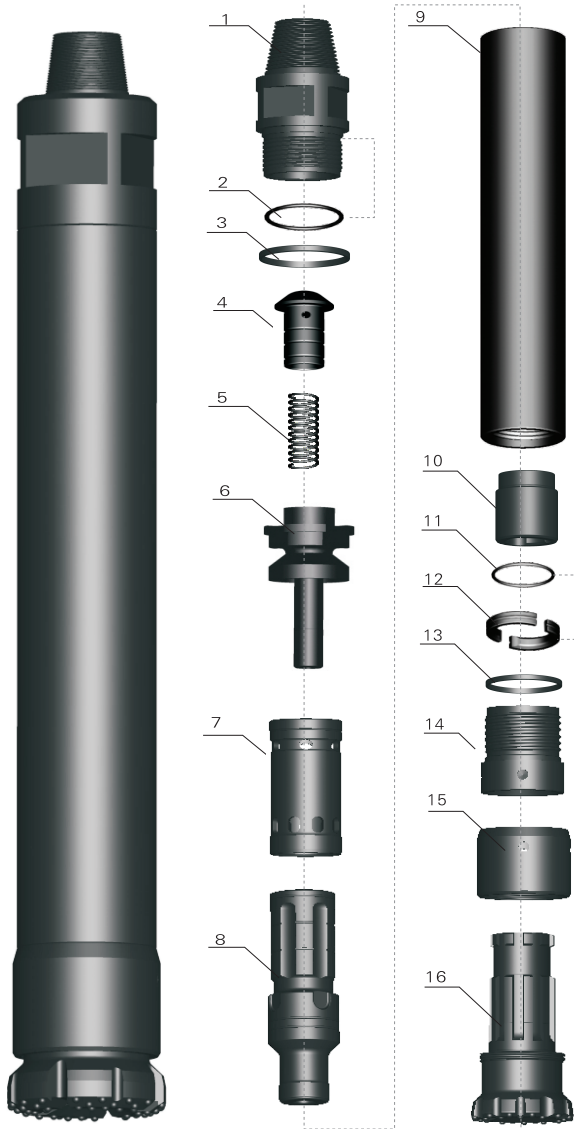
Technical Data

总长 (含钻头) Length(With bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1520mm	178.00Kg	Φ180mm	QL80	Φ195—Φ254	API 4½"Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	20—30r/min	12m³/min	22m³/min	28m³/min



您的意见对我们至关重要。
Your opinion is very important to us.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	59.00	HD225A01
2、接头O形圈 “O” Ring of Top Sub	0.03	HD225A02
3、垫 片 Breakout Ring	0.80	HD225A03
4、逆 止 阀 Check Valve	1.40	HD225A04
5、弹 簧 Spring	0.30	HD225A05
6、配 气 座 Air Distributor	10.50	HD225A06
7、内 缸 Internal Cylinder	12.50	HD225A07
8、活 塞 Piston	77.00	HD225A08
9、外 缸 External Cylinder	110.00	HD225A09
10、衬 套 Guided Sleeve	4.50	HD225A10
11、卡环O形圈 “O” Ring of Stop Ring	0.02	HD225A11
12、卡 环 Stop Ring	1.90	HD225A12
13、垫 片 Breakout Ring	0.80	HD225A13
14、卡 钎 套 Drive Chuck	21.00	HD225A14
15、防 脱 套 Patented Retainer	9.00	HD225A15
16、钻 头 Drill Bit	68.00	HD225A16

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

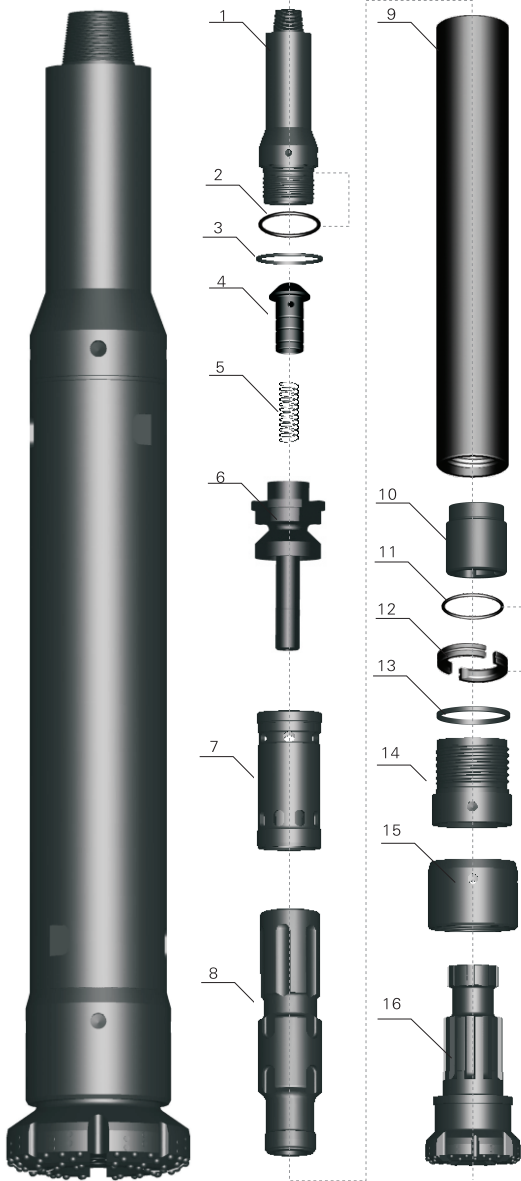
Technical Data

总长 (含钻头) Length(With bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1745mm	315.00Kg	Φ 225mm	Numa100	Φ254—Φ311	API 65 ³ / ₈ Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	22m ³ /min	40m ³ /min	65m ³ /min



为满足您的需求，我们将全力以赴。
We' ll do our utmost to meet your requirements.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub	230.00	HD275A01
2、抗磨合金 Carbide Button	0.04	HD275A02
3、接头O形圈 “O” Ring of Top Sub	1.00	HD275A03
4、逆 止 阀 Check Valve	2.00	HD275A04
5、弹 簧 Spring	0.50	HD275A05
6、配 气 座 Air Distributor	16.00	HD275A06
7、内 缸 Internal Cylinder	25.00	HD275A07
8、活 塞 Piston	113.00	HD275A08
9、外 缸 External Cylinder	170.00	HD275A09
10、衬 套 Guided Sleeve	23.00	HD275A10
11、卡环O形圈 “O” Ring of Stop Ring	0.03	HD275A11
12、卡 环 Stop Ring	4.00	HD275A12
13、垫 片 Breakout Ring	1.00	HD275A13
14、卡 钎 套 Drive Chuck	34.00	HD275A14
15、防 脱 套 Patented Retainer	30.00	HD275A15
16、钻 头 Drill Bit	185.00	HD275A16

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

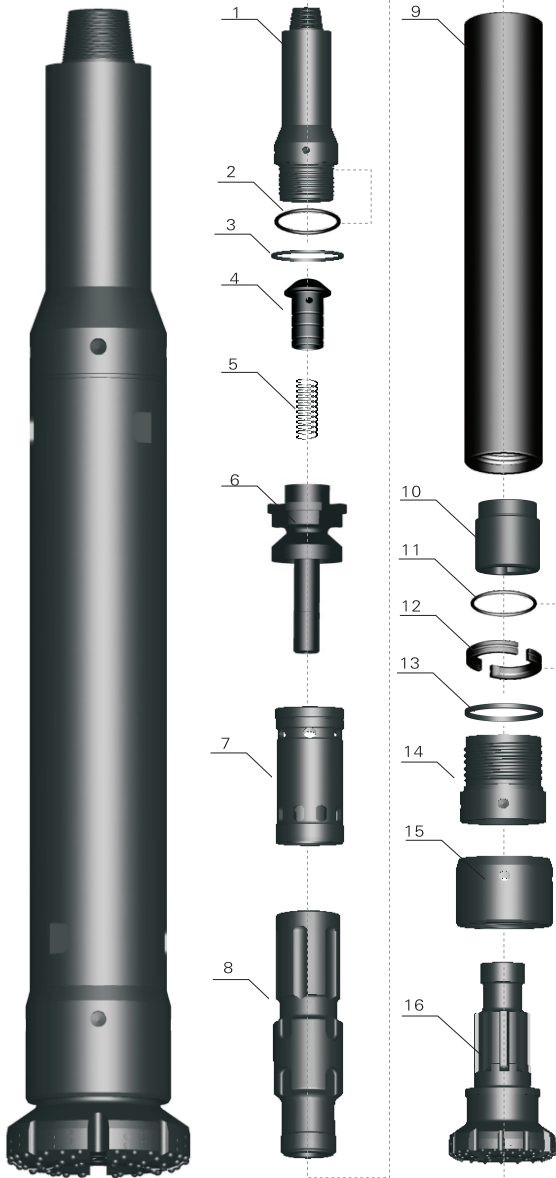
技术参数

Technical Data

总长 (含钻头) Length(With bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
2626mm	650.00Kg	Φ275mm	Numa125	Φ305—Φ445	API 6 $\frac{5}{8}$ "Reg API 7 $\frac{5}{8}$ "Reg
可用工作压力 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	28m ³ /min	50m ³ /min	71m ³ /min

最终用户的需求是所有研发工作的起点。

Demand of end-users is the origin of all researches and developments.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub	320.00	HD330A01
2、抗磨合金 Carbide Button	0.10	HD330A02
3、接头O形圈 "O" Ring of Top Sub	2.00	HD330A03
4、逆止阀 Check Valve	5.00	HD330A04
5、弹簧 Spring	0.80	HD330A05
6、配气座 Air Distributor	35.00	HD330A06
7、内缸 Internal Cylinder	30.00	HD330A07
8、活塞 Piston	190.00	HD330A08
9、外缸 External Cylinder	316.00	HD330A09
10、衬套 Guided Sleeve	38.00	HD330A10
11、卡环O形圈 "O" Ring of Stop Ring	0.05	HD330A11
12、卡环 Stop Ring	6.00	HD330A12
13、垫片 Breakout Ring	2.00	HD330A13
14、卡钎套 Drive Chuck	64.00	HD330A14
15、防脱套 Patented Retainer	42.00	HD330A15
16、钻头 Drill Bit	240.00	HD330A16

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

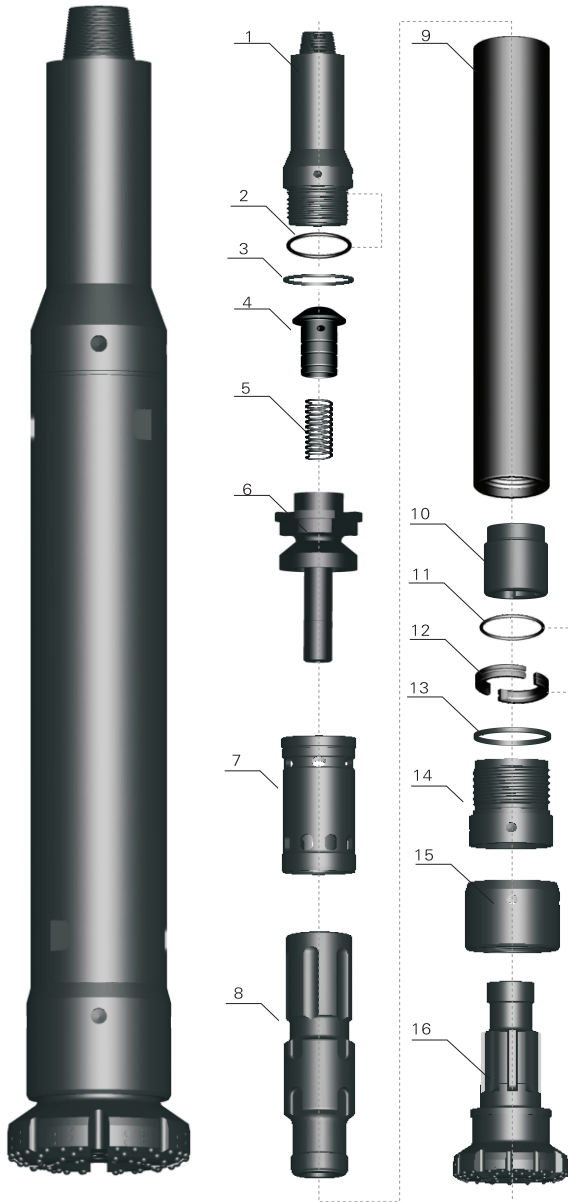
技术参数

Technical Data

总长 (含钻头) Length(With bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
3870mm	1050.00Kg	Φ330mm	HD330	Φ350—Φ660	API 7 $\frac{1}{8}$ "Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—25r/min	32m ³ /min	58m ³ /min	85m ³ /min

优质产品源于精心设计，先进技术源于科技创新。

High quality product derives from meticulous design; advanced technique from scientific and technical innovation.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接头 Top Sub		HD475A01
2、抗磨合金 Carbide Button		HD475A02
3、接头O形圈 "O" Ring of Top Sub		HD475A03
4、逆止阀 Check Valve		HD475A04
5、弹簧 Spring		HD475A05
6、配气座 Air Distributor		HD475A06
7、内缸 Internal Cylinder		HD475A07
8、活塞 Piston		HD475A08
9、外缸 External Cylinder		HD475A09
10、衬套 Guided Sleeve		HD475A10
11、卡环O形圈 "O" Ring of Stop Ring		HD475A11
12、卡环 Stop Ring		HD475A12
13、垫片 Breakout Ring		HD475A13
14、卡钎套 Drive Chuck		HD475A14
15、防脱套 Patented Retainer		HD475A15
16、钻头 Drill Bit		HD475A16

如客户要求，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

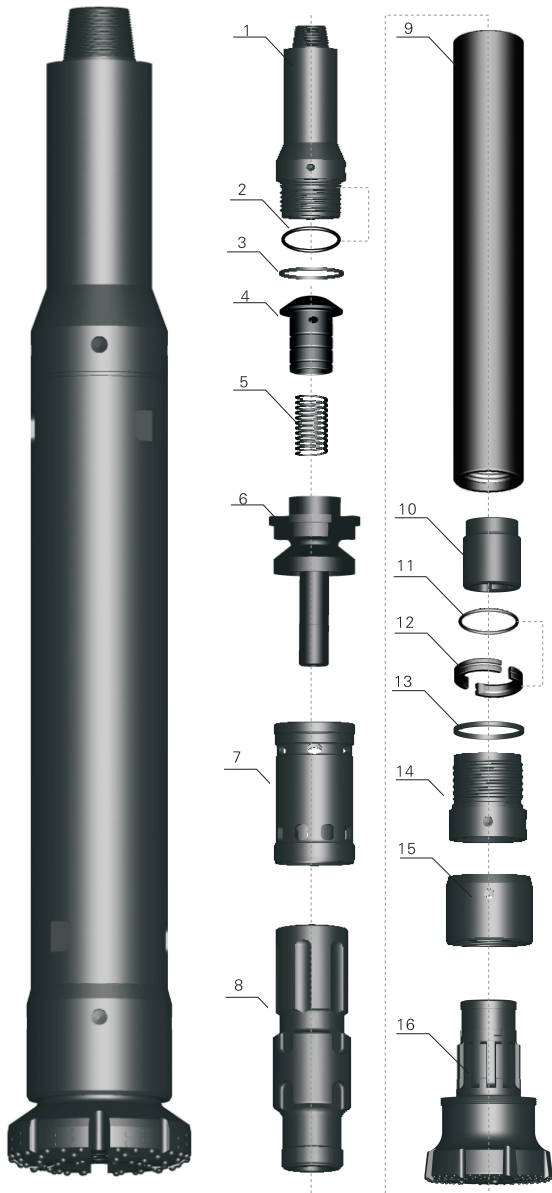
According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技术参数

Technical Data

总长 (不含钻头) Length(With bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
2550mm	Kg	Φ475mm	HD475	Φ508—Φ780	API 7½"Reg
可用工作风压 Working Pressure	在2.4Mpa时的冲击频率 Impact rate at 2.4Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			2.0Mpa	2.4Mpa	3.5Mpa
2.0—3.5Mpa	20HZ	15—25r/min	32m³/min	58m³/min	85m³/min

良好的性能和可靠性是产品的关键。
Good performance and reliability are keys for products.



Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、接 头 Top Sub		HD525A01
2、抗 磨 合 金 Carbide Button		HD525A02
3、接 头 O 形 圈 “O” Ring of Top Sub		HD525A03
4、逆 止 阀 Check Valve		HD525A04
5、弹 簧 Spring		HD525A05
6、配 气 座 Air Distributor		HD525A06
7、内 缸 Internal Cylinder		HD525A07
8、活 塞 Piston		HD525A08
9、外 缸 External Cylinder		HD525A09
10、衬 套 Guided Sleeve		HD525A10
11、卡 环 O 形 圈 “O” Ring of Stop Ring		HD525A11
12、卡 环 Stop Ring		HD525A12
13、垫 片 Breakout Ring		HD525A13
14、卡 钎 套 Drive Chuck		HD525A14
15、防 脱 套 Patented Retainer		HD525A15
16、钻 头 Drill Bit		HD525A16

如客户需要，接头可采用两个方口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻通气孔。

According to your request, the joint can be made into two square ports, and put protection buttons. A hole can be drilled on the check valve to provide more efficient cuttings discharge.

技 术 参 数

Technical Data

总长 (含钻头) Length(With bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
2550mm	Kg	Φ525mm	HD525	Φ660—Φ998	API 7 5/8" Reg
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			2.0Mpa	2.8Mpa	3.5Mpa
2.0—3.5Mpa	20HZ	15—25r/min	32m ³ /min	58m ³ /min	85m ³ /min

不善待细节，等于放走了魔鬼。
Treating details not well equals to setting a devil free.

HRC系列反循环冲击器是我公司最新研制的反循环冲击器，主要用于深孔勘探钻进和采场矿石品位控制。

主要具有以下特点：

1. 根据以往普通冲击器的经验，结合反循环冲击器的使用特点，最优化内部结构，使能量传递理想，从而保证该系列冲击器钻速快，能平稳连续取样。
2. 内部结构非常简单，部件刚性好，从而保证冲击器寿命长，维护简单方便。
3. 采集管采用一体式，无需拆卸冲击器即可更换。采集管经过渗碳处理，因此耐磨性好。
4. 配用钻头采用专利设计，只需更换钻头，同一冲击器即可钻不同尺寸的孔，并且能保证样本不受污染。
5. 在松散土质、硬岩和有大量水等各种困难的条件下，都能很好地完成取样工作。

HRC series reverse circulation DTH Hammer is the latest developed product of our company. It is mainly used for deep exploration drilling and stope ore grade control.

It has the following characteristics:

1. Based on previous experience of ordinary hammers, combined with the features of reverse circulation hammer, optimized internal structure and ideal energy transfer, thus ensuring the series of hammer drilling with fast, smooth and continuous sampling.
2. The internal structure is very simple with components of high rigidity, thus ensuring long life and easy maintenance of the hammer.
3. The collection tube adopts an integrative design and can be replaced without removing the hammer. With carburizing treatment, it has good abrasive resistance.
4. Equipped with bits designed with patent. Simply by replacing the drill bit, the same hammer can drill holes of different sizes ensuring that the sample is not contaminated.
5. In difficult conditions such as loose soil, hard rock and plenty of water exists, sampling can be done well.

反循环冲击器名称解释

Explanation of RC product code

例：HRC55

H—Heijingang(黑金刚)简称

RC—反循环冲击器

5—表示冲击器的公称尺寸为5英寸

5—第五代冲击器

For example: HRC55

H—Heijingang(Our company name)

RC—Reverse Circulation DTH Hammer

5—5" DTH Hammer

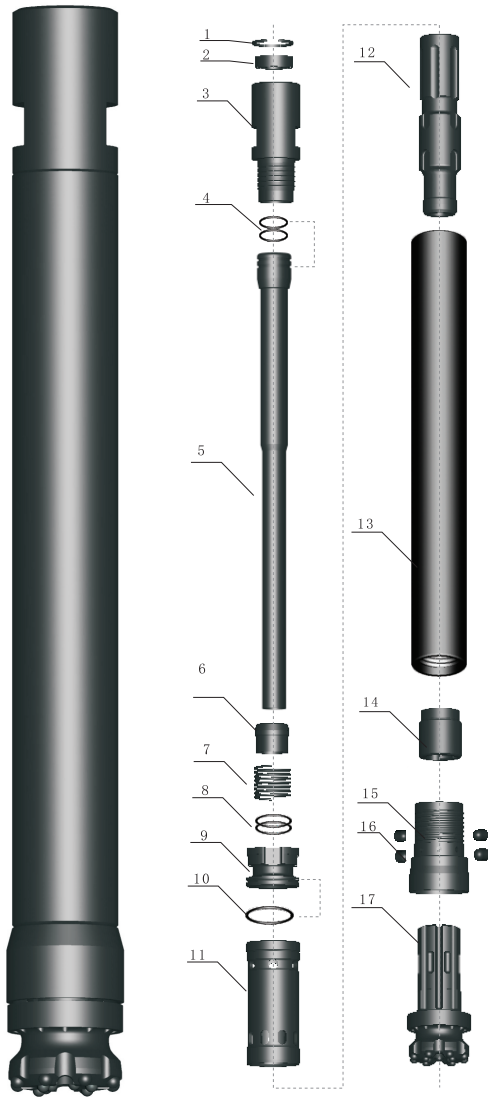
5—the Fifth Generation Hammer



精确设计，精益制造，精细管理，精心服务。

Accurate design, lean manufacturing; refined management, careful service.





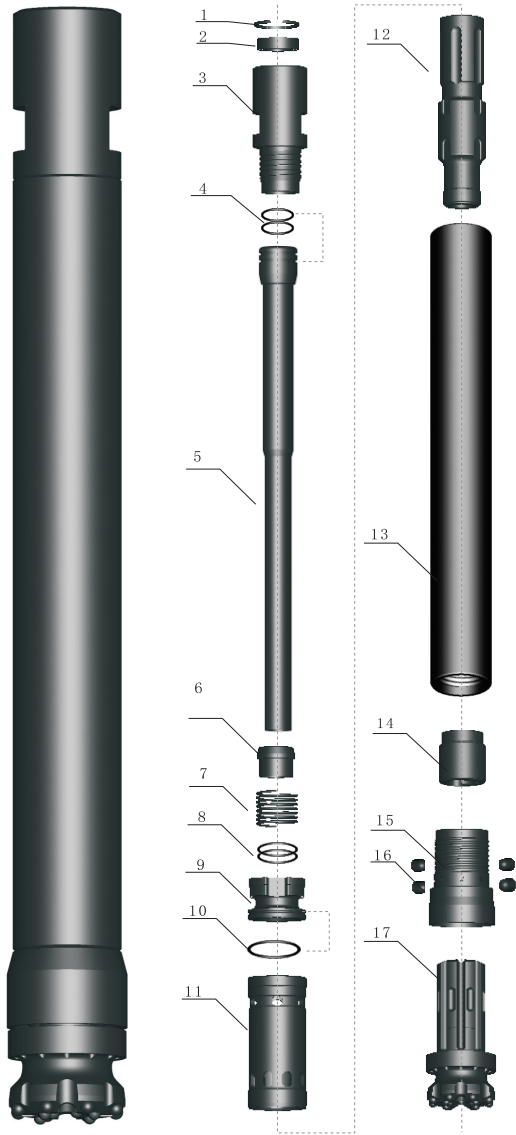
Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、卡 簧 Internal Circlip		HRC4501
2、通 气 筛 Air Screen		HRC4502
3、接 头 Top Sub		HRC4503
4、O-形圈 “O” Ring		HRC4504
5、采 集 管 Sample Tube		HRC4505
6、逆 止 阀 Check Valve		HRC4506
7、弹 簧 Spring		HRC4507
8、O-形圈 “O” Ring		HRC4508
9、配 气 座 Air Distributor		HRC4509
10、O-形圈 “O” Ring		HRC4510
11、内 缸 Internal Cylinder		HRC4511
12、活 塞 Piston		HRC4512
13、外 缸 External Cylinder		HRC4513
14、衬 套 Guided Sleeve		HRC4514
15、卡 钎 套 Drive Chuck		HRC4515
16、挡 珠 Bit Retaining Pin		HRC4516
17、钻 头 Drill Bit		HRC4517

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1176mm	80.5Kg	Φ 127mm	HRC45	Φ 125—Φ 146	4½”Remet
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—20r/min	12m³/min	22m³/min	28m³/min





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
1、卡簧 Internal Circlip		HRC5501
2、通气筛 Air Screen		HRC5502
3、接头 Top Sub		HRC5503
4、O-形圈 "O" Ring		HRC5504
5、采集管 Sample Tube		HRC5505
6、逆止阀 Check Valve		HRC5506
7、弹簧 Spring		HRC5507
8、O-形圈 "O" Ring		HRC5508
9、配气座 Air Distributor		HRC5509
10、O-形圈 "O" Ring		HRC5510
11、内缸 Internal Cylinder		HRC5511
12、活塞 Piston		HRC5512
13、外缸 External Cylinder		HRC5513
14、衬套 Guided Sleeve		HRC5514
15、卡钎套 Drive Chuck		HRC5515
16、挡珠 Bit Retaining Pin		HRC5516
17、钻头 Drill Bit		HRC5517

技术参数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1176mm	80.5Kg	Φ133mm	HRC55	Φ133—Φ152	4½" Remet
可用工作压力 Working Pressure	在17bar时的冲击频率 Impact rate at 17 Bar	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			10bar	18bar	24bar
0.5—2.5Mpa	20HZ	15—20r/min	12m³/min	22m³/min	28m³/min



	Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件代号)
	1、卡 簧 Internal Circlip 2、通 气 筛 Air Screen 3、接 头 Top Sub 4、O-形圈 "O" Ring 5、采 集 管 Sample Tube 6、逆 止 阀 Check Valve 7、弹 簧 Spring 8、O-形圈 "O" Ring 9、配 气 座 Air Distributor 10、O-形圈 "O" Ring 11、内 缸 Internal Cylinder 12、活 塞 Piston 13、外 缸 External Cylinder 14、衬 套 Guided Sleeve 15、卡 钎 套 Drive Chuck 16、挡 珠 Bit Retaining Pin 17、钻 头 Drill Bit		HRC6501 HRC6502 HRC6503 HRC6504 HRC6505 HRC6506 HRC6507 HRC6508 HRC6509 HRC6510 HRC6511 HRC6512 HRC6513 HRC6514 HRC6515 HRC6516 HRC6517

技 术 参 数

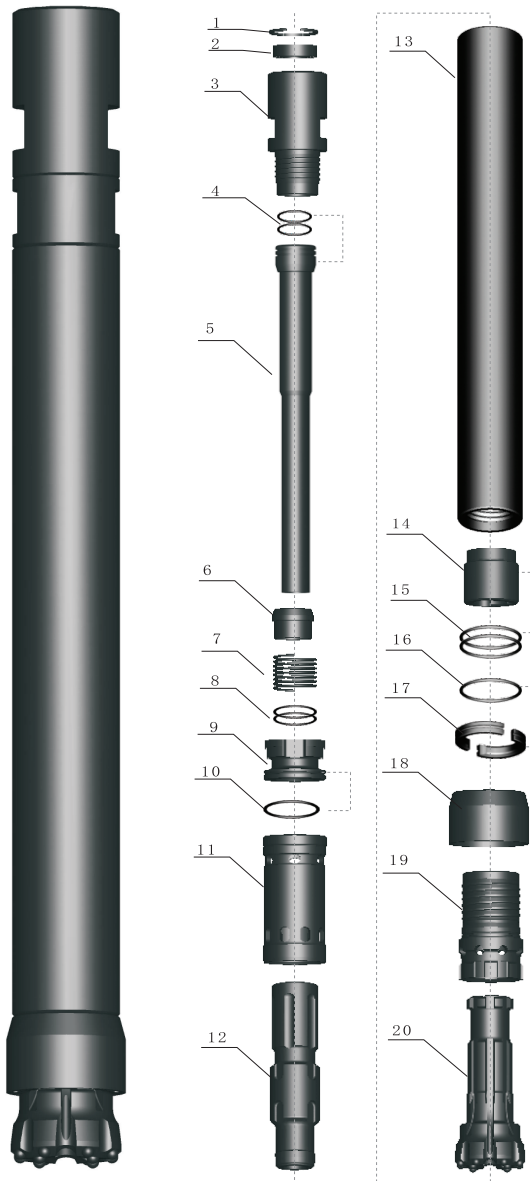
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1176mm	80.5Kg	Φ 142mm	HRC65	Φ 142—Φ 165	4½"Remet
可用工作风压 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—20r/min	12m³/min	22m³/min	28m³/min



事到危难宜放胆，顺风顺水要小心。
Act boldly when you get into difficulty, while look out when you go smoothly.





Item Description (零部件名称)	Weight (重量) Kg	Part Number (零部件 代号)
1、卡 簧 Internal Circlip		HPR5201
2、通气筛 Air Screen		HPR5202
3、接 头 Top Sub		HPR5203
4、O-形圈 “O” Ring		HPR5204
5、采集管 Sample Tube		HPR5205
6、逆止阀 Check Valve		HPR5206
7、弹 簧 Spring		HPR5207
8、O-形圈 “O” Ring		HPR5208
9、配气座 Air Distributor		HPR5209
10、O-形圈 “O” Ring		HRC6510
11、内 缸 Internal Cylinder		HPR5211
12、活 塞 Piston		HPR5212
13、外 缸 External Cylinder		HPR5213
14、衬 套 Guided Sleeve		HPR5214
15、O-形圈 “O” Ring		HPR5215
16、O-形圈 “O” Ring		HPR5216
17、卡 环 Stop Ring		HPR5217
18、耐 磨 套 Shroud		HPR5218
19、卡 钎 套 Drive Chuck		HPR5219
20、钻 头 Drill Bit		HPR5220

技 术 参 数
Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
1208mm	80.5Kg	Φ126mm	PR52	Φ133—Φ146	4½”Remet
可用工作压力 Working Pressure	在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			1.0Mpa	1.8Mpa	2.4Mpa
1.0—2.5Mpa	20HZ	15—20r/min	12m³/min	22m³/min	28m³/min

做事须循天理，出言要顺人心。

Handling things should comply with discipline, and utterance should conform to popular feeling.