# 有尼龙管高风压潜孔冲击器的特点
# The Characteristics Of High Air Pressure DTH Hammer with foot valve

所配钻头有尼龙管高风压潜孔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，不易损坏。
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. 接头和卡钎套采用多头螺纹与外缸联接，拆卸容易。

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

**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 vlave code

例1 ： H D 5 5

D— 所 配 钻 头 为D H D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 ： H Q L 4

Q L 4— 可 与Q L 4 0钻 头 相 配

Example One: HD55

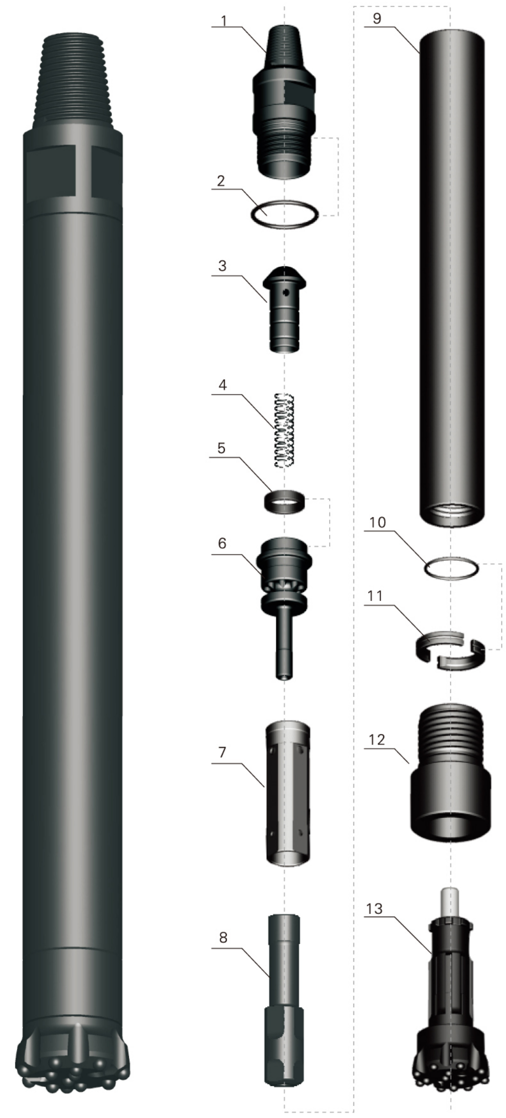
D—DHD Bit Shank
5—5” hammer
5—The Fifth Generation Hammer

Example Two: HQL4

QL4—QL40 Bit Shank

# HD35潜孔冲击器
# HD35 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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 |

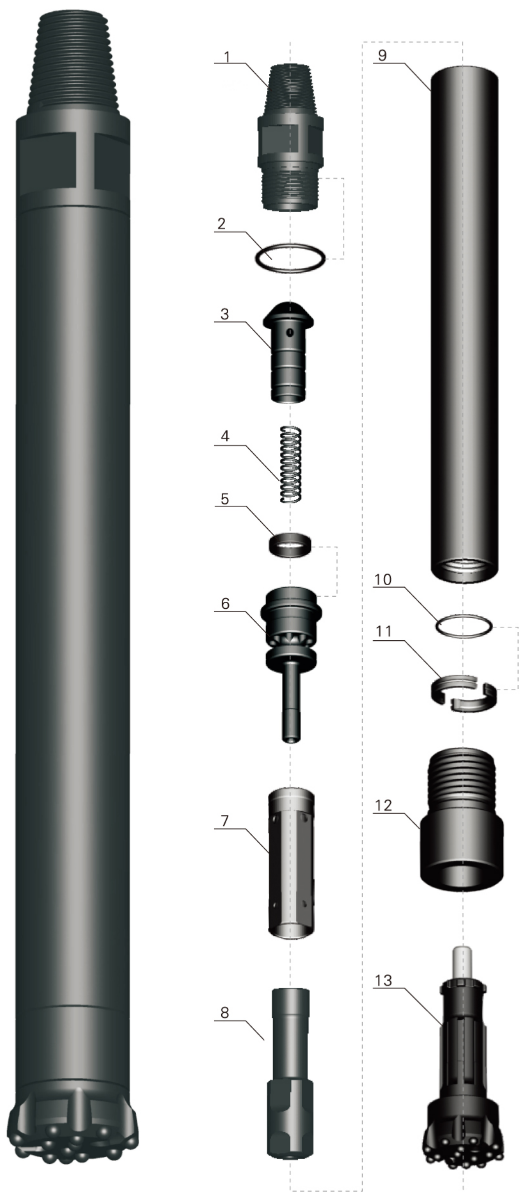
## 技术参数
## Technical Data

| 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 2⅜"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 |

**HD45潜孔冲击器**
**HD45 DTH HAMMER**

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| Item Description<br>（零部件名称） | | Weight<br>（重量）<br>Kg | Part Number<br>（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 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

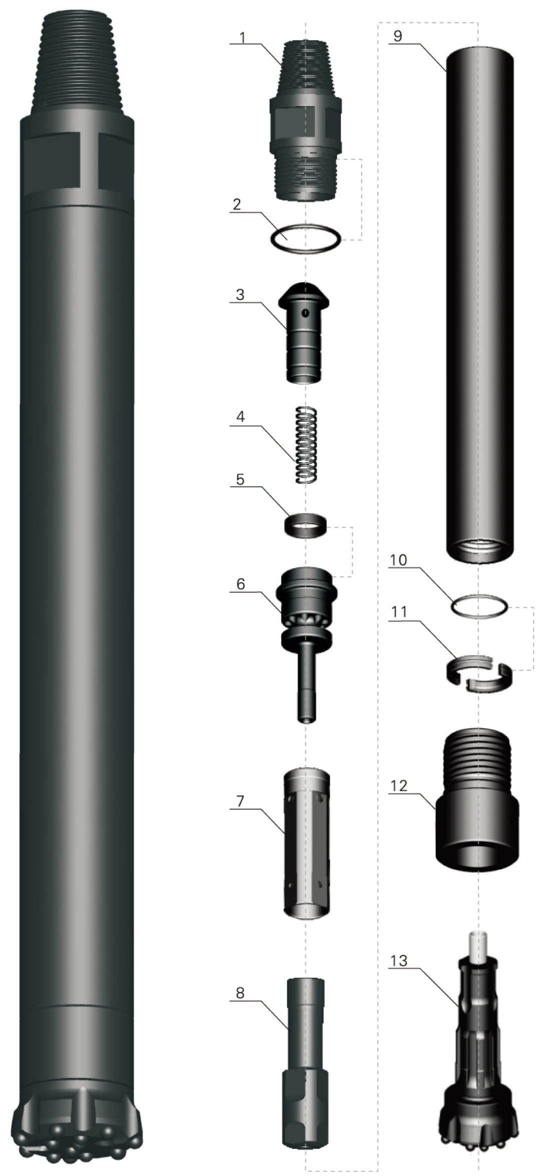
## 技术参数
## Technical Data

| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1030mm | 39.00Kg | Φ99mm | Cop44<br>DHD340 | Φ110—Φ135 | API 2⅜"Reg |

| 可用工作风压<br>Working Pressure | 在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 27HZ | 25–40r/min | 6m³/min | 10m³/min | 15m³/min |

# HSD4潜孔冲击器
# HSD4 DTH HAMMER

有 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure with foot vlave DTH Hammers




| 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 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

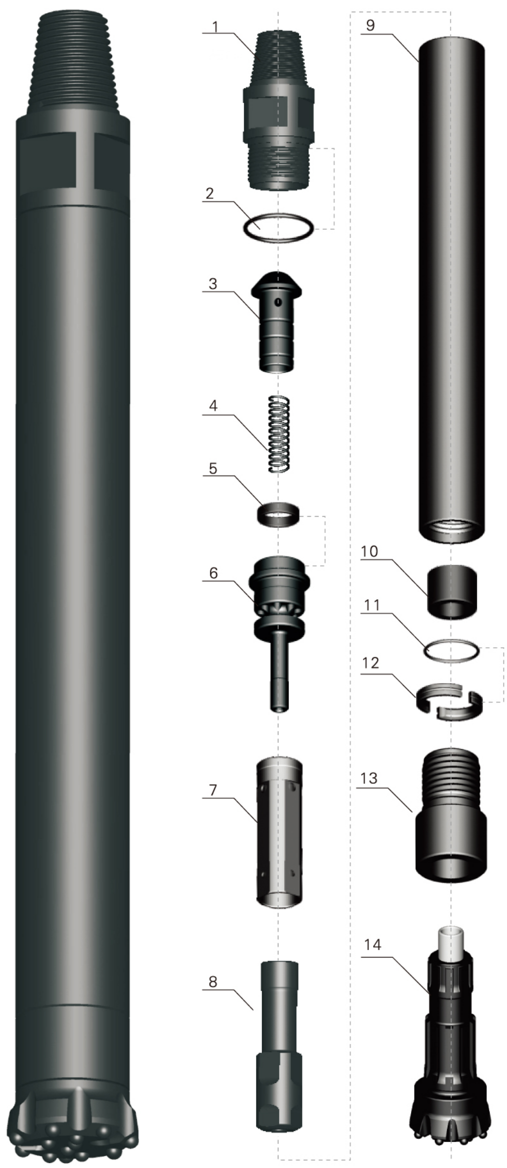
## 技术参数
## Technical Data

| 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 | 后接螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1084mm | 40.5Kg | Φ99mm | SD4 | Φ110—Φ135 | API 2⅜″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 | 6$m^3$/min | 10$m^3$/min | 15$m^3$/min |

# HQL4潜孔冲击器
# HQL4 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

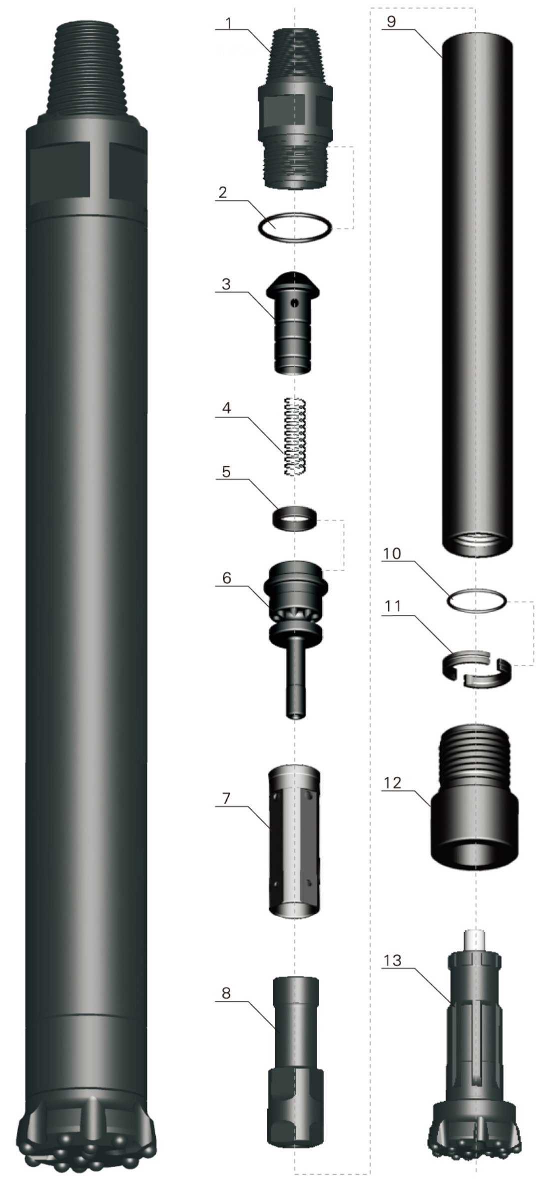
## 技术参数
## Technical Data

| 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 2⅜"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 | 6$m^3$/min | 10$m^3$/min | 15$m^3$/min |

# HD55潜孔冲击器
# HD55 DTH HAMMER

有 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure with foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

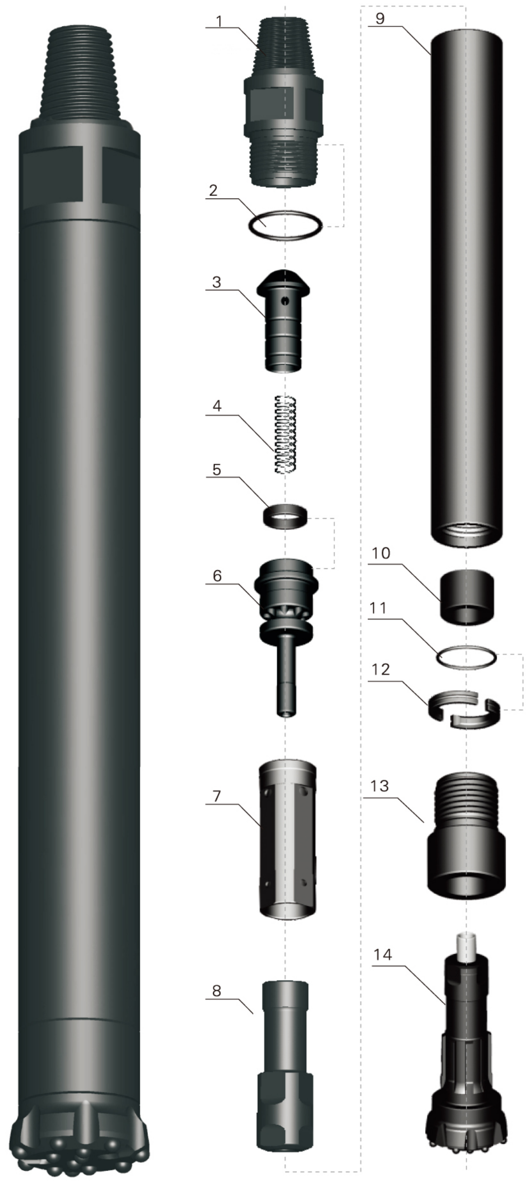
## 技 术 参 数
## Technical Data

| 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 | 后接螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1214mm | 76.5Kg | Φ125mm | Cop54<br>DHD350R | Φ135—Φ155 | API 2⅜" Reg<br>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 |

## HD55C潜孔冲击器
## HD55C DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

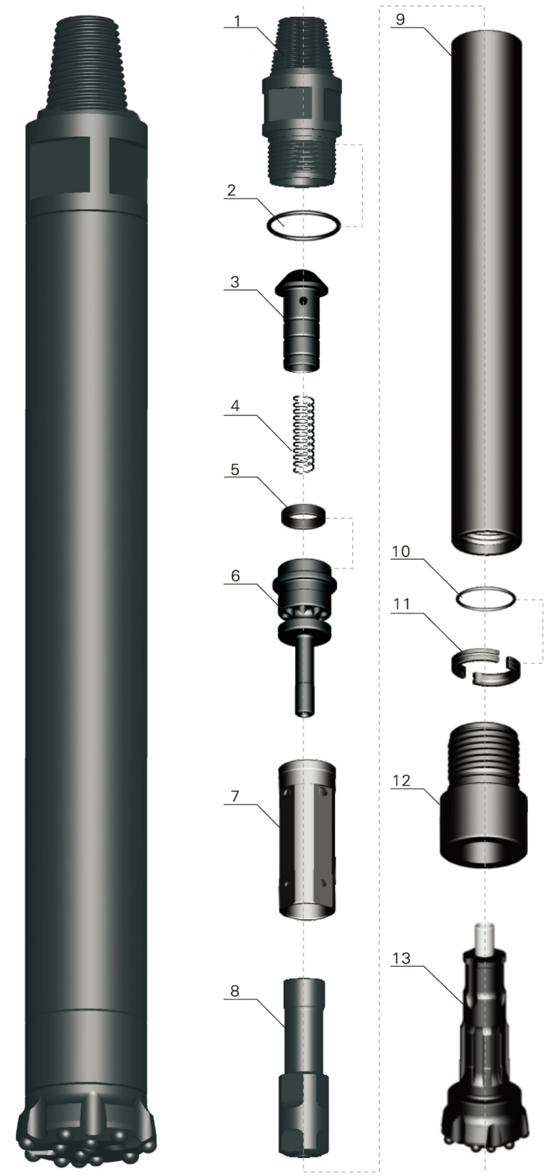
## 技术参数
## Technical Data

| 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 |
|---|---|---|---|---|---|
| 1160mm | 72.50Kg | Φ125mm | HD55C DHD350Q | Φ135—Φ155 | API 2⅜" Reg<br>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 | 9$m^3$/min | 15$m^3$/min | 23$m^3$/min |

## HSD5潜孔冲击器
## HSD5 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技术参数
## Technical Data

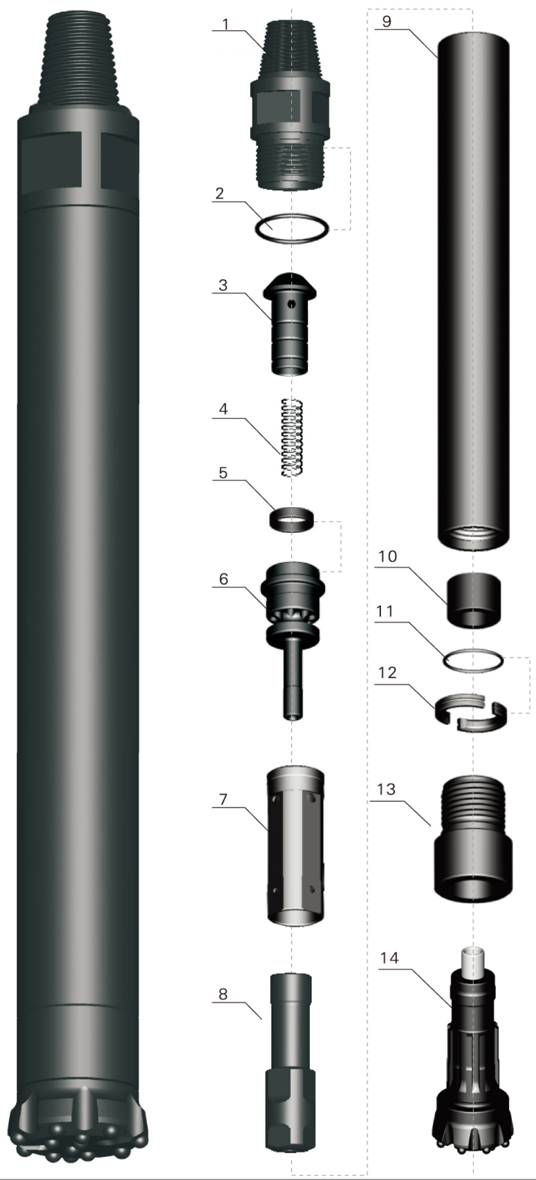
| 总长（不含钻头）Length(Less bit) | 总重（不含钻头）Weight(Less bit) | 冲击器外径 External diameter | 可配钻头钎柄 Bit Shank | 钻孔范围 Hole Range | 后接头螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1175mm | 72.50Kg | Φ125mm | SD5 | Φ135—Φ155 | API 3½"Reg |

| 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 | 耗风量 Air consumption 1.8Mpa | 耗风量 Air consumption 2.4Mpa |
|---|---|---|---|---|---|
| 1.0—2.5Mpa | 25HZ | 20–35r/min | 9m³/min | 15m³/min | 23m³/min |

JBT

## HQL5潜孔冲击器
## HQL5 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| Item Description<br>（零部件名称） | | Weight<br>（重量）<br>Kg | Part Number<br>（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 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

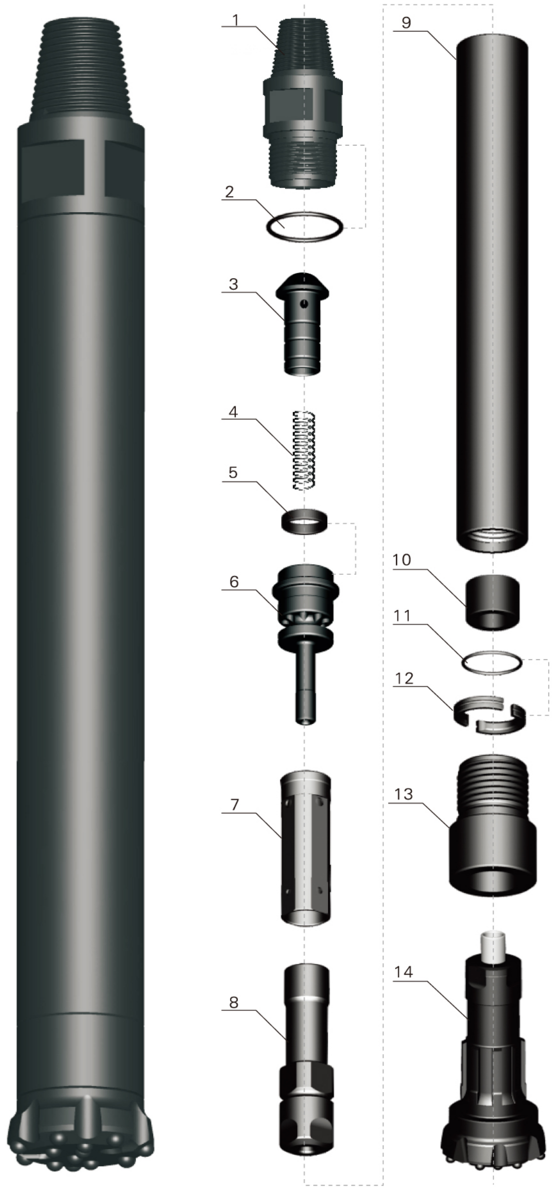
## 技术参数
## Technical Data

| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1156mm | 73.00Kg | Φ125mm | QL50 | Φ135—Φ155 | API 3½"Reg |

| 可用工作风压<br>Working Pressure | 在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 25HZ | 20-35r/min | 9m³/min | 15m³/min | 23m³/min |

# HD65潜孔冲击器
# HD65 DTH HAMMER

有 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure with foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

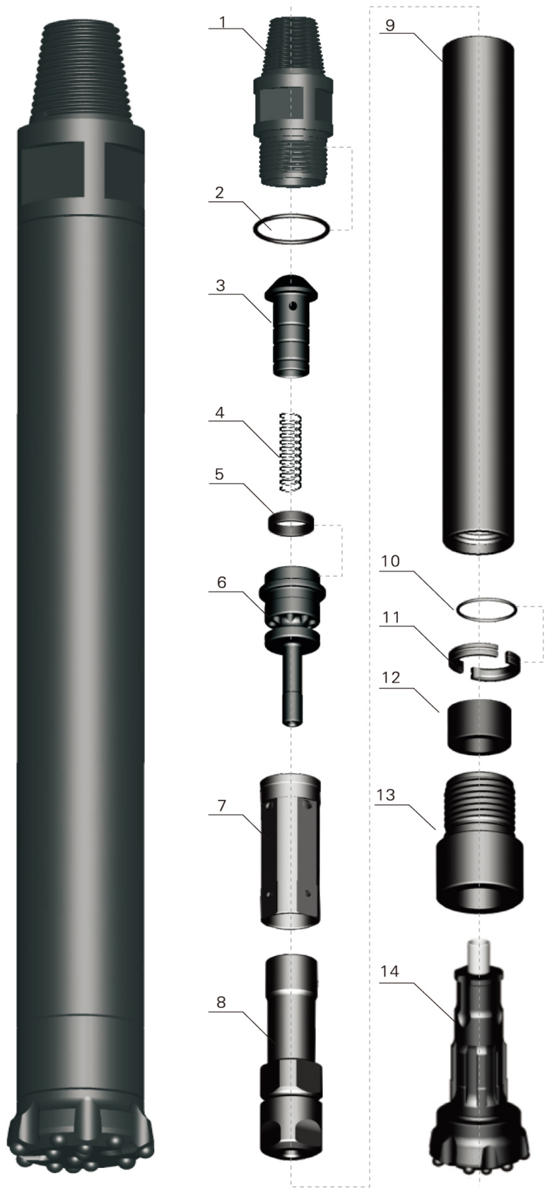
## 技 术 参 数
## Technical Data

| 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 3½"Reg |

<table>
<tr><td rowspan="2">可用工作风压<br>Working Pressure</td><td rowspan="2">在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa</td><td rowspan="2">推荐转速<br>Recommended rotation speed</td><td colspan="3">耗风量<br>Air consumption</td></tr>
<tr><td>1.0Mpa</td><td>1.8Mpa</td><td>2.4Mpa</td></tr>
<tr><td>1.0—2.5Mpa</td><td>23HZ</td><td>20–30r/min</td><td>10m³/min</td><td>20m³/min</td><td>28.5m³/min</td></tr>
</table>

## HSD6潜孔冲击器
## HSD6 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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、卡环O型圈　“O” Ring of Stop Ring | 0.01 | HSD610 |
| 11、卡　环　Stop Ring | 0.50 | HSD611 |
| 12、衬　套　Guided Sleeve | 1.50 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

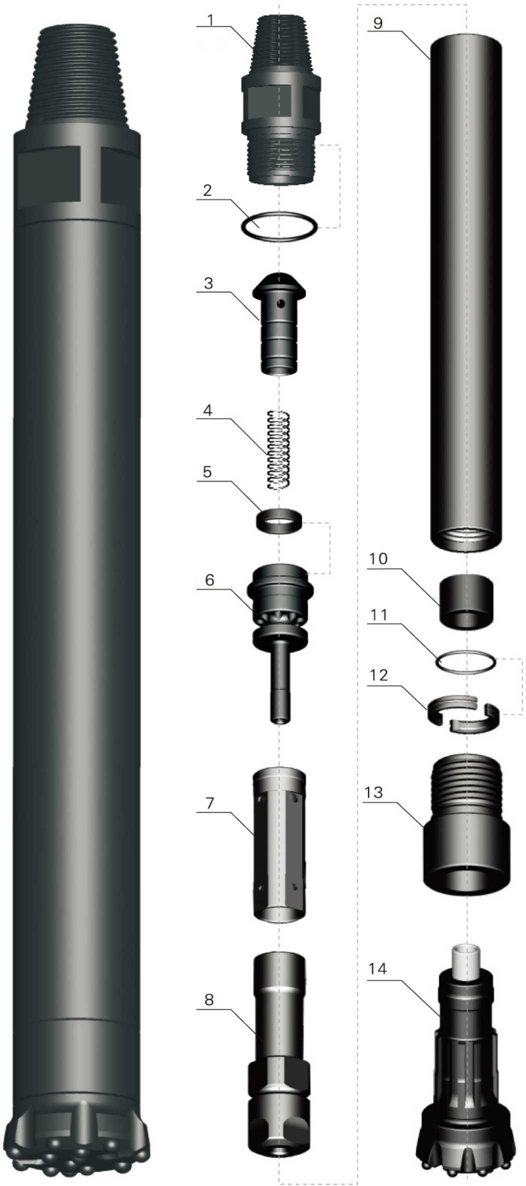
## 技术参数
## Technical Data

| 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 | Φ142mm | SD6 | Φ155—Φ190 | 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 |

**HQL6潜孔冲击器**
**HQL6 DTH HAMMER**

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

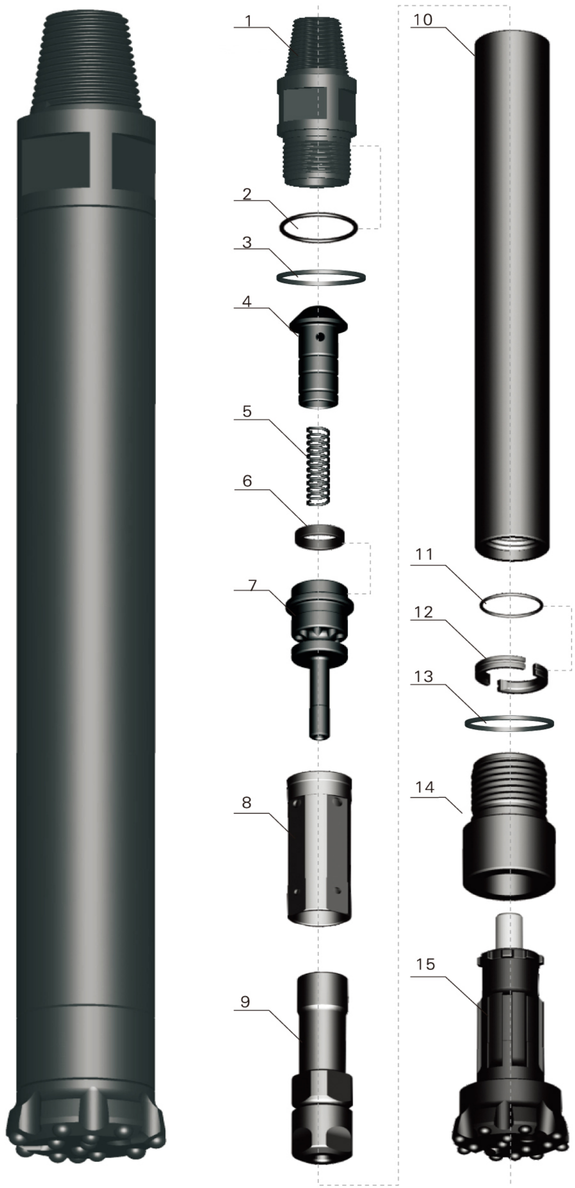
## 技术参数
## Technical Data

| 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 3½"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 | 10m³/min | 20m³/min | 28.5m³/min |

# HD85潜孔冲击器
# HD85 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers



| 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、接头垫片 | Breakout Ring | 0.20 | HD8503 |
| 4、逆　止　阀 | Check Valve | 1.50 | HD8504 |
| 5、弹　　簧 | Spring | 0.10 | HD8505 |
| 6、承　压　垫 | Compression Buffer | 0.42 | HD8506 |
| 7、配　气　座 | Air Distributor | 0.13 | HD8507 |
| 8、内　　缸 | Internal Cylinder | 8.60 | HD8508 |
| 9、活　　塞 | Piston | 41.00 | HD8509 |
| 10、外　　缸 | External Cylinder | 62.00 | HD8510 |
| 11、卡环O型圈 | “O” Ring of Stop Ring | 0.02 | HD8511 |
| 12、卡　　环 | Stop Ring | 1.20 | HD8512 |
| 13、卡钎套垫片 | Breakout Ring | 0.20 | HD8513 |
| 14、卡　钎　套 | Drive Chuck | 17.50 | HD8514 |
| 15、钻　　头 | Drill Bit | 40.00 | HD8515 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

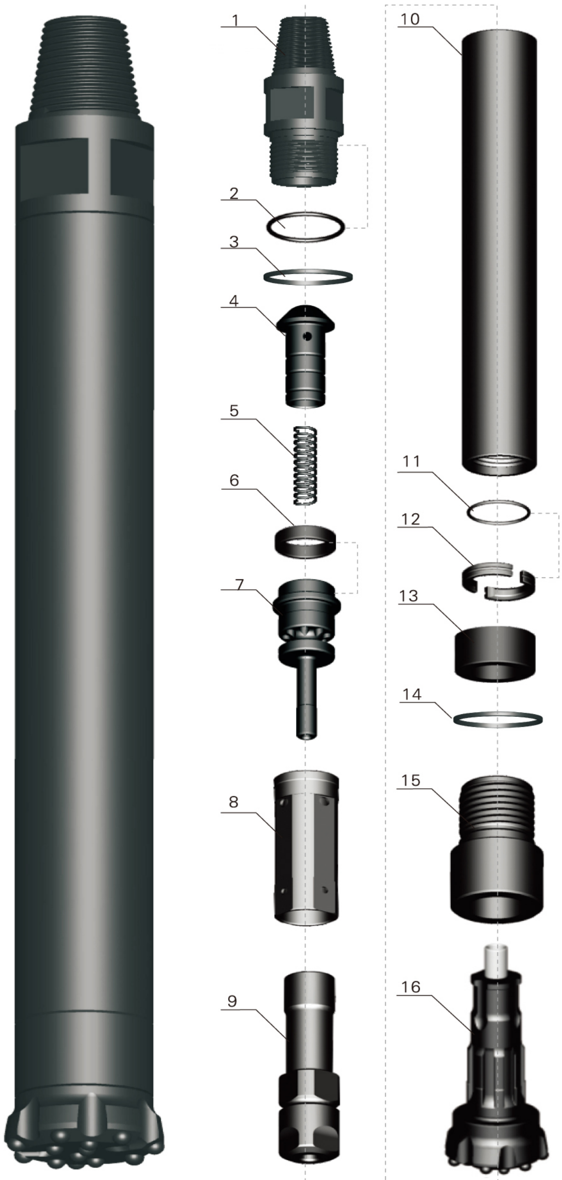
## 技术参数
## Technical Data

| 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 |
|---|---|---|---|---|---|
| 1492mm | 188Kg | Φ180mm | Cop84 DHD380 | 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 | 15m³/min | 26m³/min | 34m³/min |

# HSD8潜孔冲击器
# HSD8 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers



| 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、接头垫片 | Breakout Ring | 0.20 | HSD803 |
| 4、逆止阀 | Check Valve | 1.50 | HSD804 |
| 5、弹　簧 | Spring | 0.10 | HSD805 |
| 6、承压垫 | Compression Buffer | 0.42 | HSD806 |
| 7、配气座 | Air Distributor | 12.50 | HSD807 |
| 8、内　缸 | Internal Cylinder | 8.60 | HSD808 |
| 9、活　塞 | Piston | 42.00 | HSD809 |
| 10、外　缸 | External Cylinder | 65.00 | HSD810 |
| 11、卡环O型圈 | “O” Ring of Stop Ring | 0.05 | HSD811 |
| 12、卡　环 | Stop Ring | 1.20 | HSD812 |
| 13、衬　套 | Guided Sleeve | 3.40 | HSD813 |
| 14、卡钎套垫片 | Breakout Ring | 0.20 | HSD814 |
| 15、卡钎套 | Drive Chuck | 15.50 | HSD815 |
| 16、钻　头 | Drill Bit | 37.00 | HSD816 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

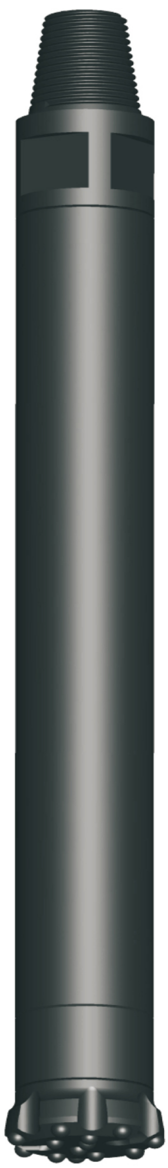
## 技术参数
## Technical Data

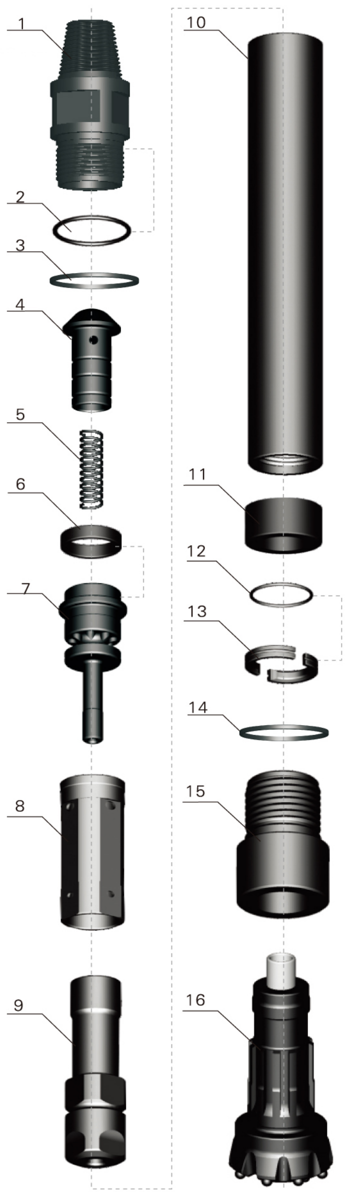
| 总长（不含钻头）Length(Less bit) | 总重（不含钻头）Weight(Less bit) | 冲击器外径 External diameter | 可配钻头钎柄 Bit Shank | 钻孔范围 Hole Range | 后接头螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1463mm | 192.00Kg | Φ180mm | SD8 | Φ195—Φ254 | API 4½"Reg |

| 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 |

# HQL8潜孔冲击器
# HQL8 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers






| 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、接头垫片　Breakout Ring | 0.30 | HQL803 |
| 4、逆　止　阀　Check Valve | 1.50 | HQL804 |
| 5、弹　　簧　Spring | 0.10 | HQL805 |
| 6、承　压　垫　Compression Buffer | 0.42 | HQL806 |
| 7、配　气　座　Air Distributor | 13.00 | HQL807 |
| 8、内　　缸　Internal Cylinder | 8.60 | HQL808 |
| 9、活　　塞　Piston | 41.00 | HQL809 |
| 10、外　　缸　External Cylinder | 60.00 | HQL810 |
| 11、衬　　套　Guided Sleeve | 2.20 | HQL811 |
| 12、卡环O型圈　“O” Ring of Stop Ring | 0.02 | HQL812 |
| 13、卡　　环　Stop Ring | 1.20 | HQL813 |
| 14、卡钎套垫片　Breakout Ring | 0.30 | HQL814 |
| 15、卡　钎　套　Drive Chuck | 12.00 | HQL815 |
| 16、钻　　头　Drill Bit | 35.00 | HQL816 |

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，可在逆止阀上钻调气孔。

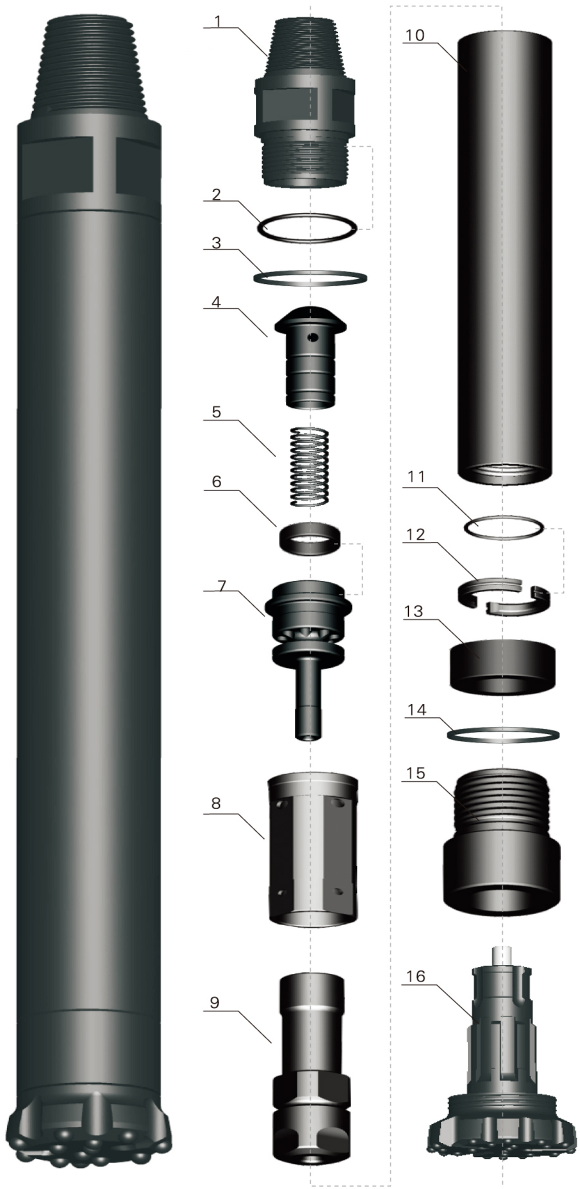
According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技术参数
## Technical Data

<table>
<tr><td>总长（不含钻头）<br>Length(Less bit)</td><td>总重（不含钻头）<br>Weight(Less bit)</td><td>冲击器外径<br>External diameter</td><td colspan="2">可配钻头钎柄<br>Bit Shank</td><td>钻孔范围<br>Hole Range</td><td colspan="2">后接头螺纹<br>Connection Thread</td></tr>
<tr><td>1465mm</td><td>182.00kg</td><td>Φ180mm</td><td colspan="2">QL80</td><td>Φ195—Φ254</td><td colspan="2">API 4½"Reg</td></tr>
<tr><td rowspan="2">可用工作风压<br>Working Pressure</td><td rowspan="2">在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa</td><td colspan="2" rowspan="2">推荐转速<br>Recommended rotation speed</td><td colspan="4">耗风量<br>Air consumption</td></tr>
<tr><td colspan="2">1.0Mpa</td><td>1.8Mpa</td><td>2.4Mpa</td></tr>
<tr><td>1.0—2.5Mpa</td><td>20HZ</td><td colspan="2">15–25r/min</td><td colspan="2">15$m^3$/min</td><td>26$m^3$/min</td><td>34$m^3$/min</td></tr>
</table>

# HSD10潜孔冲击器
# HSD10 DTH HAMMER

有 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure with foot vlave DTH Hammers




| 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、接头垫片 Breakout Ring | 0.30 | HSD1003 |
| 4、逆　止　阀 Check Valve | 1.40 | HSD1004 |
| 5、弹　　簧 Spring | 0.30 | HSD1005 |
| 6、承　压　垫 Compression Buffer | 0.60 | HSD1006 |
| 7、配　气　座 Air Distributor | 11.50 | HSD1007 |
| 8、内　　缸 Internal Cylinder | 11.00 | HSD1008 |
| 9、活　　塞 Piston | 62.00 | HSD1009 |
| 10、外　　缸 External Cylinder | 110.00 | HSD1010 |
| 11、卡环O型圈 “O” Ring of Stop Ring | 0.03 | HSD1011 |
| 12、卡　　环 Stop Ring | 1.60 | HSD1012 |
| 13、衬　　套 Guided Sleeve | 4.50 | HSD1013 |
| 14、卡钎套垫片 Breakout Ring | 0.30 | HSD1014 |
| 15、卡　钎　套 Drive Chuck | 24.00 | HSD1015 |
| 16、钻　　头 Drill Bit | 115.00 | HSD1016 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技 术 参 数
## Technical Data

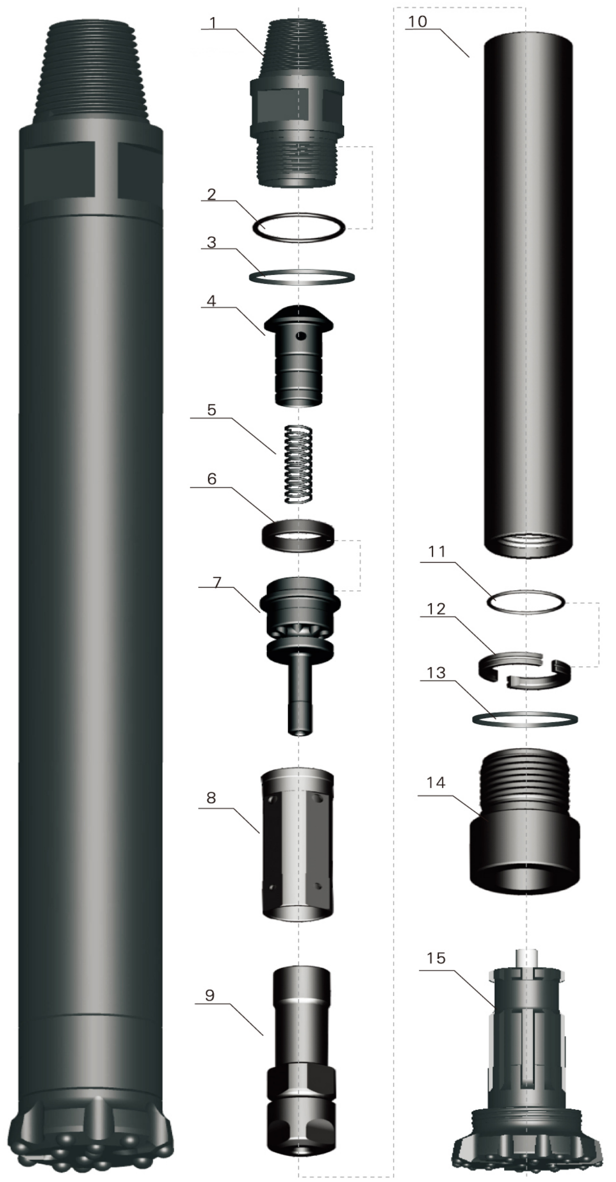
| 总长（不含钻头）Length(Less bit) | 总重（不含钻头）Weight(Less bit) | 冲击器外径 External diameter | 可配钻头钎柄 Bit Shank | 钻孔范围 Hole Range | 后接头螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1502mm | 290.00Kg | Φ226mm | SD10 | Φ254—Φ311 | API 4 1/2"Reg<br>API 6 5/8"Reg |

| 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 | $22m^3/min$ | $40m^3/min$ | $55m^3/min$ |

JBT

# HN100潜孔冲击器
# HN100 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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、接头垫片 | Breakout Ring | 0.40 | HN10003 |
| 4、逆 止 阀 | Check Valve | 1.60 | HN10004 |
| 5、弹 簧 | Spring | 0.30 | HN10005 |
| 6、承 压 垫 | Compression Buffer | 0.60 | HN10006 |
| 7、配 气 座 | Air Distributor | 11.50 | HN10007 |
| 8、内 缸 | Internal Cylinder | 11.00 | HN10008 |
| 9、活 塞 | Piston | 62.00 | HN10009 |
| 10、外 缸 | External Cylinder | 112.00 | HN10010 |
| 11、卡环O型圈 | "O" Ring of Stop Ring | 0.03 | HN10011 |
| 12、卡 环 | Stop Ring | 1.50 | HN10012 |
| 13、卡钎套垫片 | Breakout Ring | 0.40 | HN10013 |
| 14、卡 钎 套 | Drive Chuck | 26.00 | HN10014 |
| 15、钻 头 | Drill Bit | 115.00 | HN10015 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

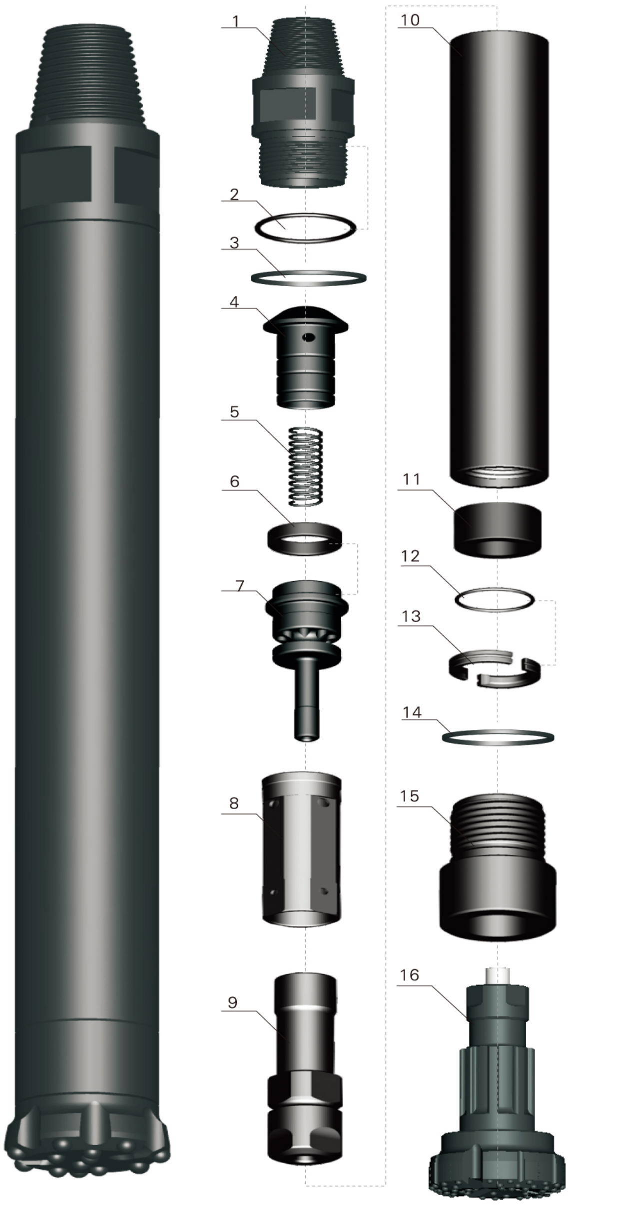
## 技术参数
## Technical Data

| 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 | 22$m^3$/min | 45$m^3$/min | 60$m^3$/min |

HD1120潜孔冲击器
HD1120 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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、接头垫片 | Breakout Ring | 0.80 | HD112003 |
| 4、逆止阀 | Check Valve | 3.00 | HD112004 |
| 5、弹　簧 | Spring | 0.10 | HD112005 |
| 6、承压垫 | Compression Buffer | 1.00 | HD112006 |
| 7、配气座 | Air Distributor | 20.00 | HD112007 |
| 8、内　缸 | Internal Cylinder | 23.00 | HD112008 |
| 9、活　塞 | Piston | 125.00 | HD112009 |
| 10、外　缸 | External Cylinder | 170.00 | HD112010 |
| 11、衬　套 | Guided Sleeve | 16.00 | HD112011 |
| 12、卡环O型圈 | “O” Ring of Stop Ring | 0.04 | HD112012 |
| 13、卡　环 | Stop Ring | 4.50 | HD112013 |
| 14、卡钎套垫片 | Breakout Ring | 0.80 | HD112014 |
| 15、卡钎套 | Drive Chuck | 48.00 | HD112015 |
| 16、钻　头 | Drill Bit | 120.00 | HD112016 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

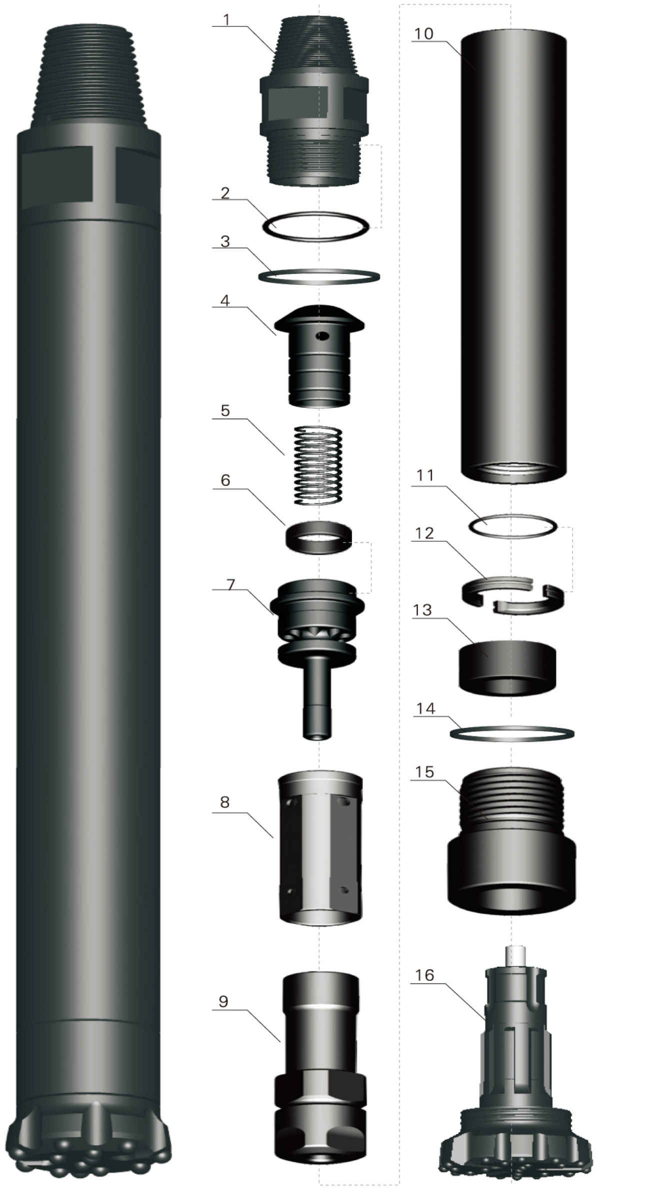
## 技术参数
## Technical Data

| 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 | DHD1120 | Φ305—Φ445 | API 6⅝"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 | 30m³/min | 56m³/min | 78m³/min |

# HSD12潜孔冲击器
# HSD12 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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、接头垫片 | Breakout Ring | 0.80 | HSD1203 |
| 4、逆　止　阀 | Check Valve | 3.00 | HSD1204 |
| 5、弹　　簧 | Spring | 0.10 | HSD1205 |
| 6、承　压　垫 | Compression Buffer | 1.00 | HSD1206 |
| 7、配　气　座 | Air Distributor | 20.00 | HSD1207 |
| 8、内　　缸 | Internal Cylinder | 23.00 | HSD1208 |
| 9、活　　塞 | Piston | 125.00 | HSD1209 |
| 10、外　　缸 | External Cylinder | 170.00 | HSD1210 |
| 11、卡环O型圈 | “O” Ring of Stop Ring | 0.04 | HSD1211 |
| 12、卡　　环 | Stop Ring | 4.80 | HSD1212 |
| 13、衬　　套 | Guided Sleeve | 18.00 | HSD1213 |
| 14、卡钎套垫片 | Breakout Ring | 0.80 | HSD1214 |
| 15、卡　钎　套 | Drive Chuck | 51.00 | HSD1215 |
| 16、钻　　头 | Drill Bit | 120.00 | HSD1216 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

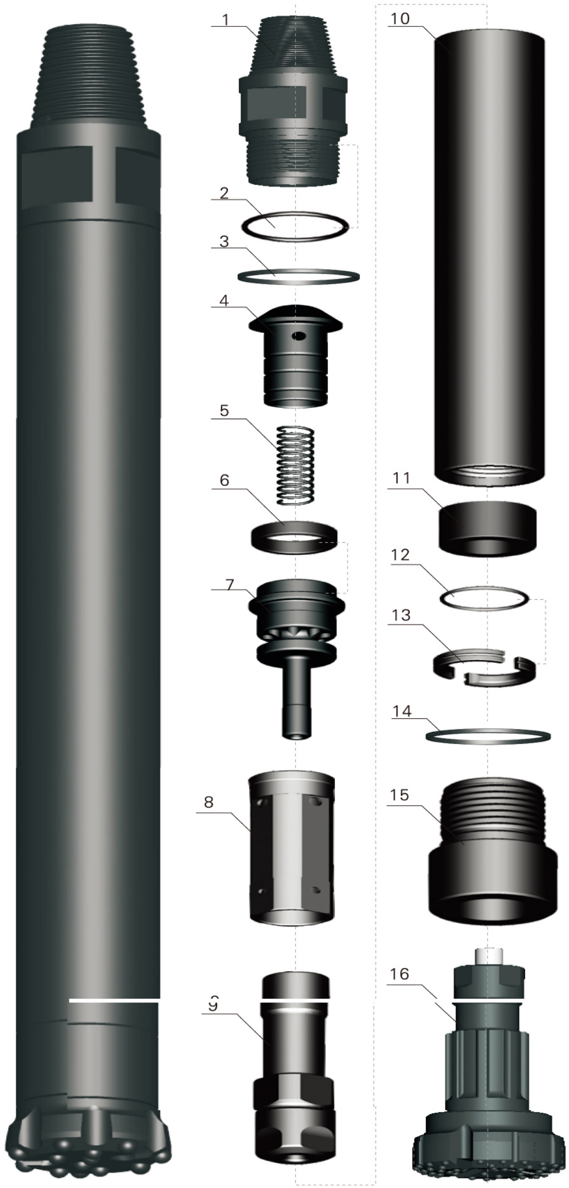
## 技术参数
## Technical Data

| 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 6⅝″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 | 耗风量 Air consumption 1.8Mpa | 耗风量 Air consumption 2.4Mpa |
|---|---|---|---|---|---|
| 1.0—2.5Mpa | 16HZ | 15–25r/min | 30m³/min | 56m³/min | 78m³/min |

HN120 潜孔冲击器
HN120 DTH HAMMER

有尼龙管高风压冲击器系列
High Air Pressure with foot vlave DTH Hammers




| 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、接头垫片 | Breakout Ring | 0.80 | HN12003 |
| 4、逆　止　阀 | Check Valve | 3.00 | HN12004 |
| 5、弹　　簧 | Spring | 0.10 | HN12005 |
| 6、承　压　垫 | Compression Buffer | 1.00 | HN12006 |
| 7、配　气　座 | Air Distributor | 20.00 | HN12007 |
| 8、内　　缸 | Internal Cylinder | 23.00 | HN12008 |
| 9、活　　塞 | Piston | 125.00 | HN12009 |
| 10、外　　缸 | External Cylinder | 170.00 | HN12010 |
| 11、衬　　套 | Guided Sleeve | 18.00 | HN12011 |
| 12、卡环O型圈 | "O" Ring of Stop Ring | 0.04 | HN12012 |
| 13、卡　　环 | Stop Ring | 4.50 | HN12013 |
| 14、卡钎套垫片 | Breakout Ring | 0.80 | HN12014 |
| 15、卡　钎　套 | Drive Chuck | 49.00 | HN12015 |
| 16、钻　　头 | Drill Bit | 120.00 | HN12016 |

如客户需要，接头可采用两个力口，并在接头上装耐磨合金。需要加强排渣，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技术参数
## Technical Data

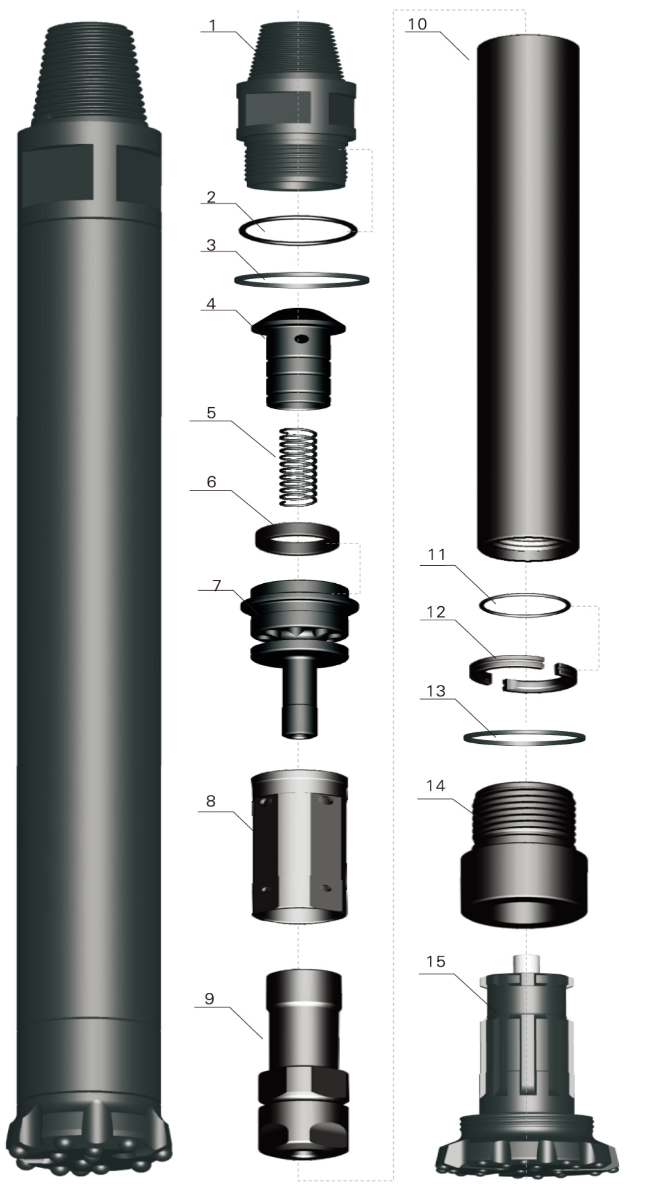
| 总长（不含钻头） Length(Less bit) | 总重（不含钻头） Weight(Less bit) | 冲击器外径 External diameter | 可配钻头钎柄 Bit Shank | 钻孔范围 Hole Range | 后接头螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1900mm | 485.00Kg | Φ275mm | NUMA120 | Φ305—Φ445 | API 6⅝"Reg |

| 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 | 30m³/min | 56m³/min | 78m³/min |

# HN125潜孔冲击器
# HN125 DTH HAMMER

有 尼 龙 管 高 风 压 冲 击 器 系 列

High Air Pressure with foot vlave DTH Hammers




| 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、接头垫片 Breakout Ring | 0.80 | HN12503 |
| 4、逆　止　阀 Check Valve | 3.00 | HN12504 |
| 5、弹　　簧 Spring | 0.10 | HN12505 |
| 6、承　压　垫 Compression Buffer | 1.00 | HN12506 |
| 7、配　气　座 Air Distributor | 20.00 | HN12507 |
| 8、内　　缸 Internal Cylinder | 23.00 | HN12508 |
| 9、活　　塞 Piston | 125.00 | HN12509 |
| 10、外　　缸 External Cylinder | 170.00 | HN12510 |
| 11、卡环O型圈 “O” Ring of Stop Ring | 0.01 | HN12511 |
| 12、卡　　环 Stop Ring | 4.00 | HN12512 |
| 13、卡钎套垫片 Breakout Ring | 0.80 | Hn12513 |
| 14、卡　钎　套 Drive Chuck | 45.00 | Hn12514 |
| 15、钻　　头 Drill Bit | 175.00 | HN12515 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

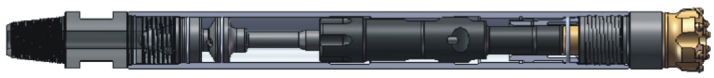
## 技术参数
## Technical Data

| 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 | 30$m^3$/min | 56$m^3$/min | 78$m^3$/min |

# 高气压潜孔冲击器和钻头
Hammers & Bit

## GM30HD ®



有效长度 Hammer length without bit(mm)：834

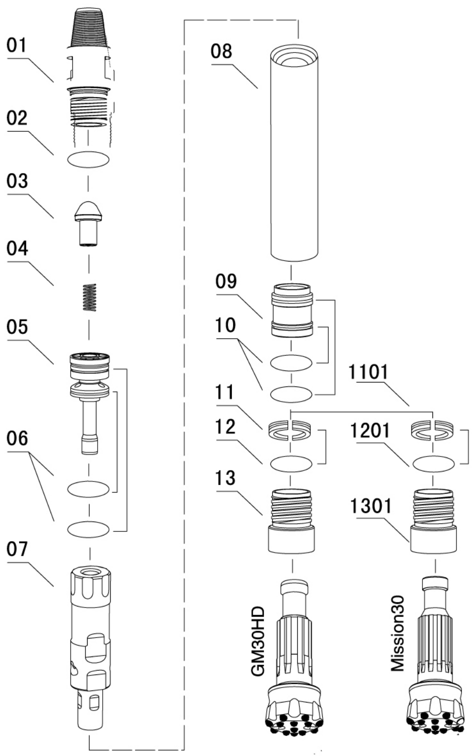
螺纹类型 Thread: $2\frac{3}{8}$ ″ REG

外　径 Outside diameter(mm)：80

扳手槽 Wrench flat(mm)：60

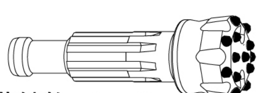
总重量 Weight(kg)：25.2

| | | | |
|---|---|---|---|
| 工作压力 Work pressure(bar): | 10 | 18 | 24 |
| 耗气量 Air consumption($M^3$/min): | 4.8 | 6.8 | 12.6 |




| 部件 Replacement Parts | | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub | 5.24 | GM30/3.5–01 |
| 02 | O型圈 | O–Ring | 0.01 | ϕ63×3.1 |
| 03 | 逆止阀 | Check Valve Dart | 0.15 | GM30/3.5–02 |
| 04 | 弹　簧 | Spring | 0.003 | GM30/3.5–03 |
| 05 | 配气杆 | Rigid Valves | 1.6 | GM30/3.5–04 |
| 06 | O型圈 | O–Ring | 0.019 | ϕ56×3.1 |
| 07 | 活　塞 | Piston | 4.7 | GM30–05 |
| 08 | 外套管 | Piston Case | 10.4 | GM30 HD–06 |
| 09 | 导向套 | Guide Sleeve | 1.18 | GM30–07 |
| 10 | O型圈 | O–Ring | 0.02 | ϕ58×3.5 |
| 11 | 卡 环 | Bit Retainer Ring | 0.14 | GM30–08 |
| 1101 | 卡 环 | Bit Retainer Ring | 0.14 | GM.Mission30–08 |
| 12 | O型圈 | O–Ring | 0.02 | ϕ56×2.65 |
| 1201 | O型圈 | O–Ring | 0.02 | ϕ56×2.65 |
| 13 | 前接头 | Driver Sub | 1.67 | GM30/3.5–09 |
| 1301 | 前接头 | Driver Sub | 1.67 | GM.Mission30–09 |

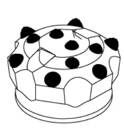
## 钻头尾柄Bit shanks：　GM30HD



花键数spline:8

平面型(A) Flat(A)

球头齿 Spherical



凸面型(C) Convex(C)

弹头齿 Ballistic

| 直径 Dia.(mm) | 边齿Gauge button 边齿数X尺寸 Button No.Xsize | 单重 Weight(kg) | 件号 Part No. |
|---|---|---|---|
| 90 | 6×ϕ14 | 5 | ZT30A29–090Q |
| 95 | 6×ϕ14 | 5.3 | ZT30A29–095Q |
| 90 | 7×ϕ13 | 5 | ZT30A36–090Q |
| 95 | 7×ϕ13 | 5.3 | ZT30A36–095Q |
| 100 | 7×ϕ14 | 5.6 | ZT30A30–100Q |
| 105 | 7×ϕ14 | 6 | ZT30A30–105Q |
| 90 | 6×ϕ14 | 5 | ZT30C29–090Z |
| 95 | 6×ϕ14 | 5.3 | ZT30C29–095Z |
| 90 | 7×ϕ13 | 5 | ZT30C36–090Z |
| 95 | 7×ϕ13 | 5.3 | ZT30C36–095Z |
| 100 | 6×ϕ14 | 5.6 | ZT30C30–100Z |
| 105 | 7×ϕ14 | 6 | ZT30C30–105Z |

# 高气压潜孔冲击器和钻头
Hammers & Bit

## GM40HF / GM40HD ®

有效长度 Hammer length without bit(mm)：931

API 螺纹API Thread: $2\frac{3}{8}$"REG

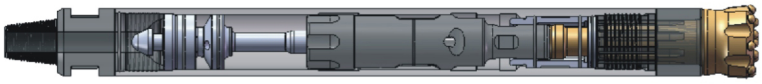
外 径 Outside diameter(mm):99

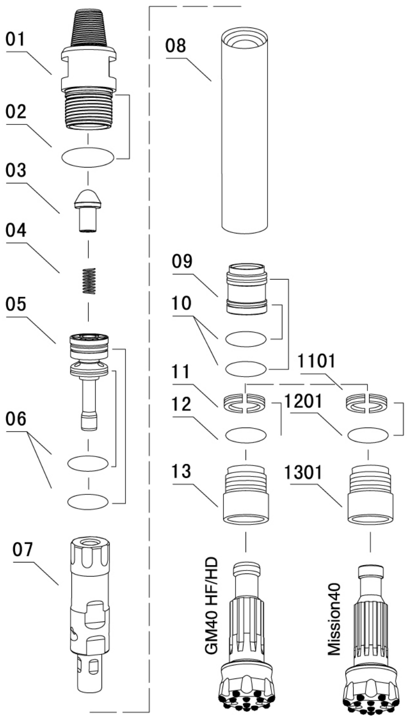
扳手槽 Wrench flat(mm):74

总重量 Weight(kg):40

工作压力 Work pressure(bar): 10 18 24

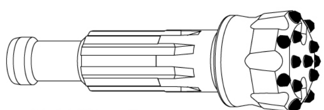
耗气量 Air consumption ( $M^3$/min ) : 6 8 15



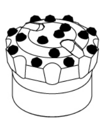



| | 部件 Replacement Parts | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub:API$2\frac{3}{8}$"REG | 7.3 | GM40/44-01 |
| 02 | O型圈 | O-Ring | 0.01 | ϕ80×3.1 |
| 03 | 逆止阀 | Check Valve Dart | 0.25 | GM40/44-02 |
| 04 | 弹 簧 | Spring | 0.05 | GM40/44-03 |
| 05 | 配气杆 | Rigid Valves | 2.7 | GM40/44-04 |
| 06 | O型圈 | O-Ring | 0.01 | ϕ73×3.1 |
| 07 | 活 塞 | Piston | 8.56 | GM40-05 |
| 08 | 外套管 | Piston Case | 16.4 | GM40 HD-06<br>GM40 HF-06 |
| 09 | 导向套 | Guide Sleeve | 1.7 | GM40-07 |
| 10 | O型圈 | O-Ring | 0.01 | ϕ69×3.1 |
| 11 | 卡 环 | Bit Retainer Ring | 0.25 | GM40-08 |
| 1101 | 卡 环 | Bit Retainer Ring | 0.25 | GM.Mission40-08 |
| 12 | O型圈 | O-Ring | 0.01 | ϕ60×1.8 |
| 1201 | O型圈 | O-Ring | 0.01 | ϕ60×1.8 |
| 13 | 前接头 | Driver Sub | 3.4 | GM40/44-09 |
| 1301 | 前接头 | Driver Sub | 3.6 | GM.Mission40-09 |

## 钻头尾柄Bit shanks: GM40HF GM40HD



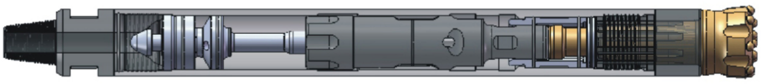
花键数spline:8



| | | 直径<br>Dia.(mm) | 边齿Gauge button<br>边齿数X尺寸<br>Button No.Xsize | 单重<br>Weight(kg) | 件号<br>Part No. |
|---|---|---|---|---|---|
| 平面型(A)<br>Flat(A) | 球头齿<br>Spherical | 108 | 7×ϕ14 | 9.5 | ZT40A30-108Q |
| | | 115 | 7×ϕ16 | 10.2 | ZT40A3C-115Q |
| | | 115 | 8×ϕ14 | 10 | ZT40A40-115Q |
| | | 125 | 7×ϕ16 | 11 | ZT40A3C-125Q |
| | | 130 | 8×ϕ16 | 12.5 | ZT40A4C-130Q |
| | 弹头齿<br>Ballistic | 108 | 7×ϕ14 | 9.5 | ZT40A30-108Z |
| | | 115 | 7×ϕ16 | 10.2 | ZT40A3C-115Z |
| | | 115 | 8×ϕ14 | 10 | ZT40A40-115Z |
| | | 125 | 7×ϕ16 | 11 | ZT40A3C-125Z |
| | | 130 | 8×ϕ16 | 12.5 | ZT40A4C-130Z |
| 凸面型(C)<br>Convex(C) | 弹头齿<br>Ballistic | 108 | 7×ϕ14 | 9.5 | ZT40C30-108Z |
| | | 115 | 8×ϕ14 | 10 | ZT40C40-115Z |
| | | 125 | 7×ϕ16 | 11 | ZT40C3C-125Z |
| | | 130 | 8×ϕ16 | 12.5 | ZT40C4C-130Z |

# 高气压潜孔冲击器和钻头
Hammers & Bit

## GM50HF / GM50HD ®



有效长度 Hammer length without bit(mm)：1071

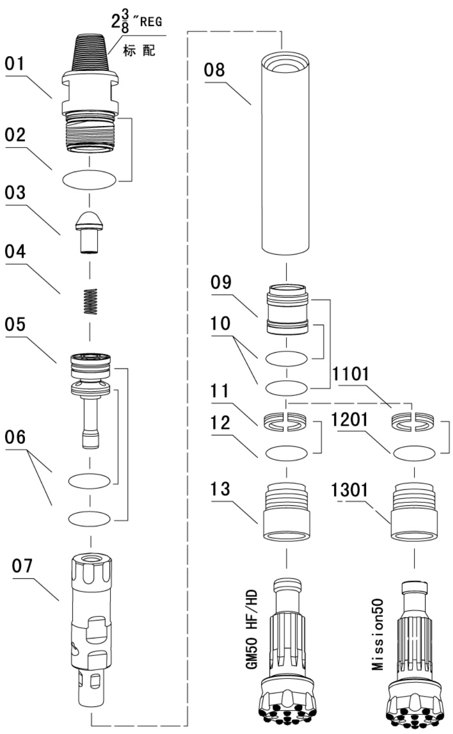
API 螺纹 API Thread:$2\frac{3}{8}$"REG、$2\frac{7}{8}$"REG 、$3\frac{1}{2}$"REG

外 径 Outside diameter(mm):124

扳手槽 Wrench flat(mm):74、95

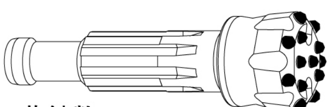
总重量 Weight(kg):75

| 工作压力 Work pressure(bar): | 10 | 18 | 24 |
|---|---|---|---|
| 耗气量 Air consumption ( $M^3$/min )： | 8.7 | 16.8 | 23 |




| 部件 Replacement Parts | | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub:API2 $\frac{3}{8}$"REG<br>API2 $\frac{7}{8}$"REG<br>API3 $\frac{1}{2}$"REG | 10.1<br>10.2<br>10.3 | GM50/54-01<br>GM50/54-01A<br>GM50/54-01B |
| 02 | O型圈 | O-Ring | 0.01 | ϕ103×3.1 |
| 03 | 逆止阀 | Check Valve Dart | 0.30 | GM50/54-02 |
| 04 | 弹 簧 | Spring | 0.05 | GM50/54-03 |
| 05 | 配气杆 | Rigid Valves | 4.1 | GM50/54-04 |
| 06 | O型圈 | O-Ring | 0.01 | ϕ95.5×3.1 |
| 07 | 活 塞 | Piston | 15.4 | GM50-05 |
| 08 | 外套管 | Piston Case | 29.5 | GM50 HF-06<br>GM50 HD-06 |
| 09 | 导向套 | Guide Sleeve | 2.5 | GM50-07 |
| 10 | O型圈 | O-Ring | 0.01 | ϕ92.5×3.1 |
| 11 | 卡 环 | Bit Retainer Ring | 0.25 | GM50-08 |
| 1101 | 卡 环 | Bit Retainer Ring | 0.25 | GM.Mission50-08 |
| 12 | O型圈 | O-Ring | 0.01 | ϕ80×2.65 |
| 1201 | O型圈 | O-Ring | 0.01 | ϕ80×2.65 |
| 13 | 前接头 | Driver Sub | 6.2 | GM50/54-09 |
| 1301 | 前接头 | Driver Sub | 6.2 | GM.Mission50-09 |

## 钻头尾柄Bit shanks： GM50HF GM50HD



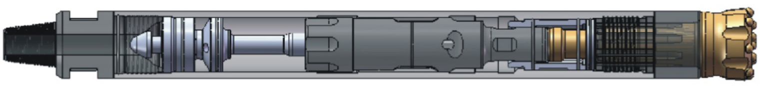
花键数spline:8

| | | 直径 Dia.(mm) | 边齿Gauge button 边齿数X尺寸 Button No.Xsize | 单重 Weight(kg) | 件号 Part No. |
|---|---|---|---|---|---|
|  平面型(A) Flat(A) | 球头齿 Spherical | 134<br>140 | 7×ϕ16<br>7×ϕ18 | 14.5<br>17 | ZT50A3D-134Q<br>ZT50A3H-140Q |
| | | 140<br>148<br>152 | 8×ϕ17<br>8×ϕ17<br>8×ϕ17 | 17<br>17.5<br>18 | ZT50A4F-140Q<br>ZT50A4F-148Q<br>ZT50A4F-152Q |
|  凹面型(B) concave(B) | 球头齿 Spherical | 134<br>140 | 7×ϕ16<br>7×ϕ18 | 14.5<br>17 | ZT50B3D-134Q<br>ZT50B3H-140Q |
| | | 140<br>148<br>152 | 8×ϕ17<br>8×ϕ17<br>8×ϕ17 | 17<br>17.5<br>18 | ZT50B4F-140Q<br>ZT50B4F-148Q<br>ZT50B4F-152Q |
|  凸面型(C) Convex(C) | 弹头齿 Ballistic | 134<br>140<br>148<br>152 | 7×ϕ16<br>8×ϕ17<br>8×ϕ17<br>8×ϕ17 | 14.5<br>17<br>17.5<br>18 | ZT50C3D-134Z<br>ZT50C4F-140Z<br>ZT50C4F-148Z<br>ZT50C4F-152Z |

# 高气压潜孔冲击器和钻头

Hammers & Bit

## GM60HD ®



有效长度 Hammer length without bit(mm)：1074

API 螺纹 API Thread: $3\frac{1}{2}$"REG

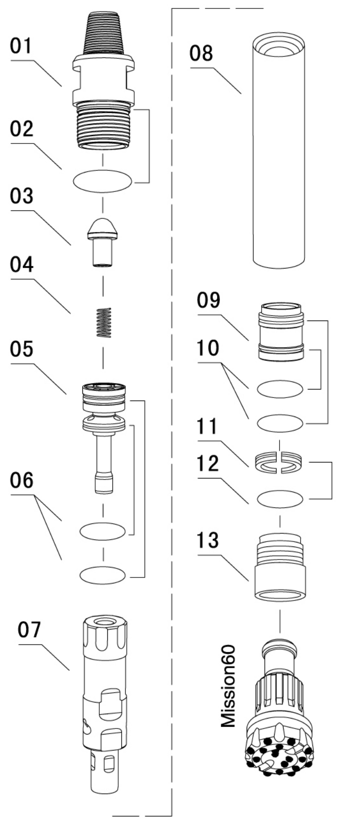
外 径 Outside diameter(mm):144

扳手槽 Wrench flat(mm):105

总重量 Weight(kg):98

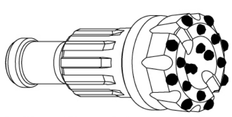
工作压力 Work pressure(bar): 10 18 24

耗气量 Air consumption ( $M^3$/min ):10.5 20 27




| 部件 Replacement Parts | | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub:API$3\frac{1}{2}$"REG | 16.1 | GM60/64-01 |
| 02 | O型圈 | O-Ring | 0.01 | $\phi$115×5.3 |
| 03 | 逆止阀 | Check Valve Dart | 0.30 | GM60/64-02 |
| 04 | 弹 簧 | Spring | 0.05 | GM60/64-03 |
| 05 | 配气杆 | Rigid Valves | 5.3 | GM60/64-04 |
| 06 | O型圈 | O-Ring | 0.01 | $\phi$112×3.1 |
| 07 | 活 塞 | Piston | 22.7 | GM60-05 |
| 08 | 外套管 | Piston Case | 41 | GM60 HD-06 |
| 09 | 导向套 | Guide Sleeve | 4.5 | GM60-07 |
| 10 | O型圈 | O-Ring | 0.01 | $\phi$110×3.1 |
| 11 | 卡 环 | Bit Retainer Ring | 0.25 | GM60-08 |
| 12 | O型圈 | O-Ring | 0.01 | $\phi$100×2.65 |
| 13 | 前接头 | Driver Sub | 5.5 | GM60-09 |

## 钻头尾柄Bit shanks： Mission60、GM60HD



花键数spline:12

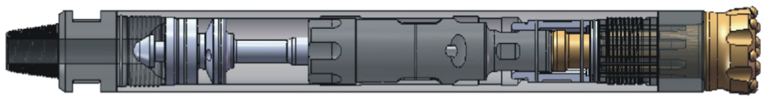
平面型(A) Flat(A) — 球头齿 Spherical

凹面型(B) Concave(B) — 球头齿 Spherical

| 直径 Dia.(mm) | 边齿Gauge button 边齿数X尺寸 Button No.Xsize | 单重 Weight(kg) | 件号 Part No. |
|---|---|---|---|
| 152 | 8×$\phi$17 | 19.8 | ZTM6A4F-152Q |
| 155 | 8×$\phi$17 | 20.2 | ZTM6A4F-155Q |
| 165 | 8×$\phi$18 | 21.7 | ZTM6A4L-165Q |
| 178 | 8×$\phi$18 | 24.5 | ZTM6A4L-178Q |
| 190 | 8×$\phi$18 | 27.5 | ZTM6A4L-190Q |
| 203 | 9×$\phi$18 | 30.1 | ZTM6A5L-203Q |
| 219 | 10×$\phi$18 | 36.1 | ZTM6A6L-219Q |
| 254 | 12×$\phi$18 | 44.7 | ZTM6A7L-254Q |
| 165 | 8×$\phi$18 | 21.7 | ZTM6B4L-165Q |
| 178 | 8×$\phi$18 | 24.5 | ZTM6B4L-178Q |
| 190 | 8×$\phi$18 | 27.5 | ZTM6B4L-190Q |
| 203 | 9×$\phi$18 | 30.1 | ZTM6B5L-203Q |
| 219 | 10×$\phi$18 | 36.1 | ZTM6B6L-219Q |
| 254 | 12×$\phi$18 | 44.7 | ZTM6B7L-254Q |

# 高气压潜孔冲击器和钻头
Hammers & Bit

## GM80HD ®



有效长度 Hammer length without bit(mm)：1125

API 螺纹 API Thread:$4\frac{1}{2}$"REG

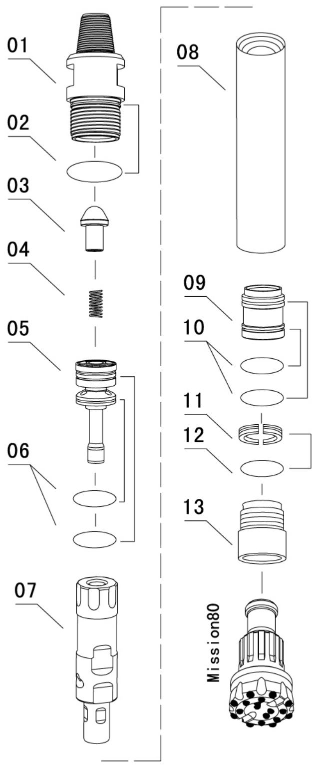
外 径 Outside diameter(mm):182

扳手槽 Wrench flat(mm):148

总重量 Weight(kg):190

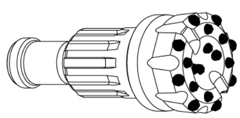
工作压力 Work pressure(bar): 10 18 24

耗气量 Air consumption($M^3$/min): 11.5 22.2 29.7




| 部件 Replacement Parts | | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub:API$4\frac{1}{2}$"REG | 30.6 | GM80/84–01 |
| 02 | O型圈 | O–Ring | 0.05 | ϕ 150 × 5.3 |
| 03 | 逆止阀 | Check Valve Dart | 0.6 | GM80/84–02 |
| 04 | 弹 簧 | Spring | 0.25 | GM80/84–03 |
| 05 | 配气杆 | Rigid Valves | 10 | GM80/84–04 |
| 06 | O型圈 | O–Ring | 0.05 | ϕ 145 × 3.1 |
| 07 | 活 塞 | Piston | 43 | GM80–05 |
| 08 | 外套管 | Piston Case | 78 | GM80 HD–06 |
| 09 | 导向套 | Guide Sleeve | 8.5 | GM80–07 |
| 10 | O型圈 | O–Ring | 0.05 | ϕ 145 × 3.1 |
| 11 | 卡 环 | Bit Retainer Ring | 0.57 | GM80–08 |
| 12 | O型圈 | O–Ring | 0.05 | ϕ 140 × 5.3 |
| 13 | 前接头 | Driver Sub | 10.5 | GM80–09 |

## 钻头尾柄Bit shanks： Mission80、GM80HD



花键数spline:12

平面型(A) Flat(A)

球头齿 Spherical

凹面型(B) Concave(B)

球头齿 Spherical

| 直径 Dia.(mm) | 边齿Gauge button 边齿数X尺寸 Button No.Xsize | 单重 Weight(kg) | 件号 Part No. |
|---|---|---|---|
| 203 | 10 × ϕ 18 | 39.1 | ZTM8A6L–203Q |
| 216 | 10 × ϕ 18 | 41.7 | ZTM8A6L–216Q |
| 219 | 10 × ϕ 18 | 42.2 | ZTM8A6L–219Q |
| 225 | 10 × ϕ 18 | 43.8 | ZTM8A6L–225Q |
| 235 | 12 × ϕ 18 | 44.1 | ZTM8A7L–235Q |
| 241 | 12 × ϕ 18 | 44.5 | ZTM8A7M–241Q |
| 254 | 12 × ϕ 18 | 46.8 | ZTM8A7M–254Q |
| 270 | 12 × ϕ 18 | 47.5 | ZTM8A7M–270Q |
| 279 | 12 × ϕ 18 | 48.1 | ZTM8A7M–279Q |
| 292 | 12 × ϕ 18 | 57 | ZTM8A7M–292Q |
| 300 | 12 × ϕ 18 | 58.3 | ZTM8A7M–300Q |
| 305 | 12 × ϕ 18 | 58.8 | ZTM8A7M–305Q |
| 203 | 10 × ϕ 18 | 39.1 | ZTM8B6L–203Q |
| 216 | 10 × ϕ 18 | 41.7 | ZTM8B6L–216Q |
| 219 | 10 × ϕ 18 | 42.2 | ZTM8B6L–219Q |
| 225 | 10 × ϕ 18 | 43.8 | ZTM8B6L–225Q |
| 235 | 12 × ϕ 18 | 44.1 | ZTM8B7L–235Q |
| 241 | 12 × ϕ 18 | 44.5 | ZTM8B7M–241Q |
| 254 | 12 × ϕ 18 | 46.8 | ZTM8B7M–254Q |
| 270 | 12 × ϕ 18 | 47.5 | ZTM8B7M–270Q |
| 279 | 12 × ϕ 18 | 48.1 | ZTM8B7M–279Q |
| 292 | 12 × ϕ 18 | 57 | ZTM8B7M–292Q |
| 300 | 12 × ϕ 18 | 58.3 | ZTM8B7M–300Q |
| 305 | 12 × ϕ 18 | 58.8 | ZTM8B7M–305Q |

所配钻头无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 high air pressure DTH Hammer without footvalve, 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.

## 无尼龙管高风压冲击器名称解释
## Explanation of High Air Pressure without foot vlave DTH Hammer code

例1：HD55A

R— 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— 所配钻头无尼龙管

例2：HQL4A

QL4— 可与QL40钻头相配
A— 所配钻头无尼龙管
★S— 冲击器外径比标准冲击器外径小

Example One: HD55A

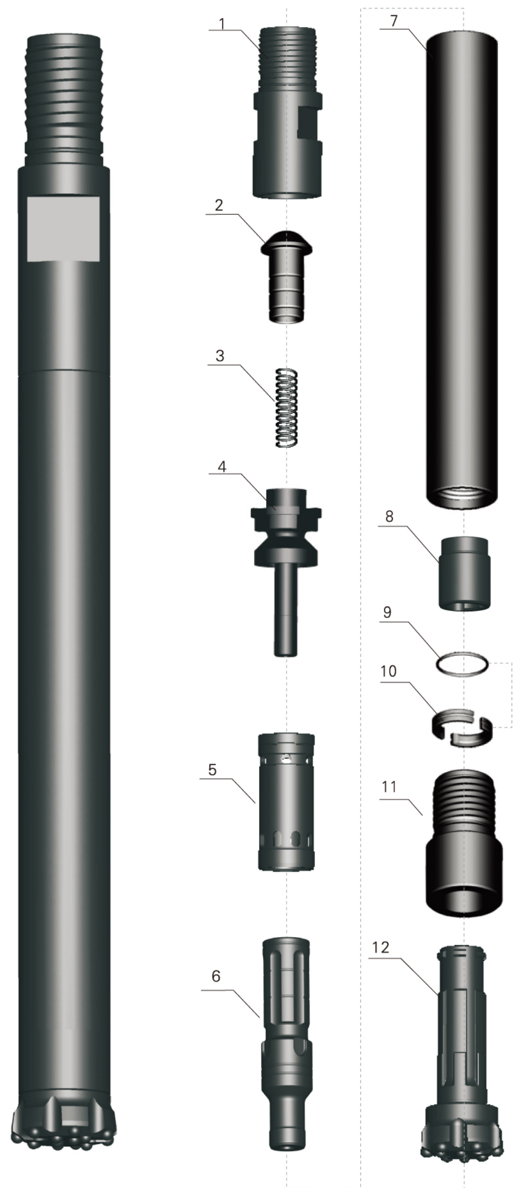
D—DHD Bit Shank
5—5" hammer
5—The Fifth Generation Hammer
A—Bit without foot valve

Example Two: HQL4A

QL4—QL40 Bit Shank
A—Bit without foot valve
★S—Smaller size than general DTH Hammer

# HD25A潜孔冲击器
# HD25A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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

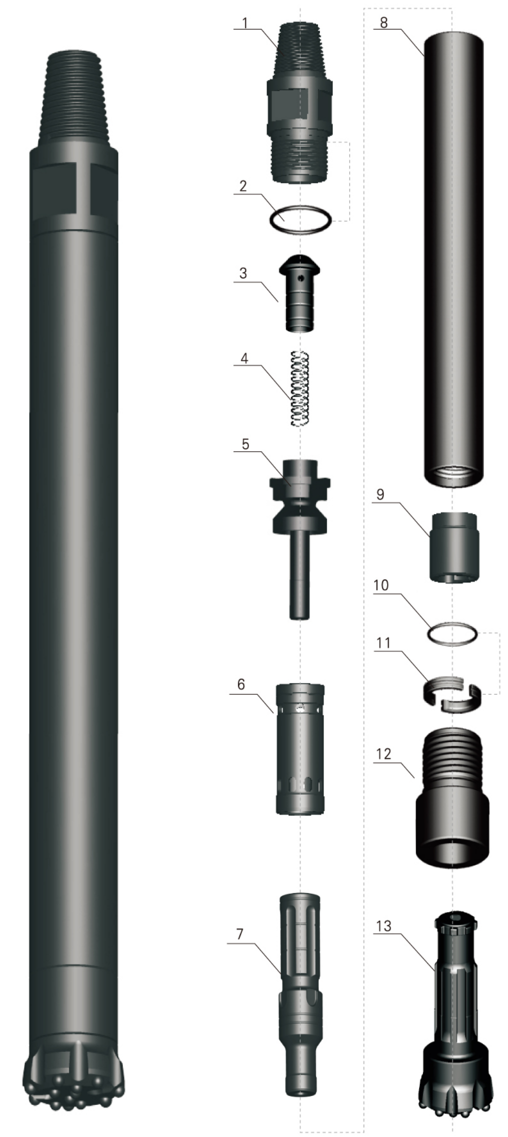
| 总长（不含钻头）Length(Less bit) | 总重（不含钻头）Weight(Less bit) | 冲击器外径 External diameter | 可配钻头钎柄 Bit Shank | 钻孔范围 Hole Range | 后接头螺纹 Connection Thread |
|---|---|---|---|---|---|
| 872mm | 16.00Kg | Φ71mm | HD25 | Φ76—Φ90 | T42x10x1.5 |

| 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 | 4$m^3$/min | 6$m^3$/min |

**JBT**

# HD35A潜孔冲击器
# HD35A DTH HAMMER

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| 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。需要加强排渣，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

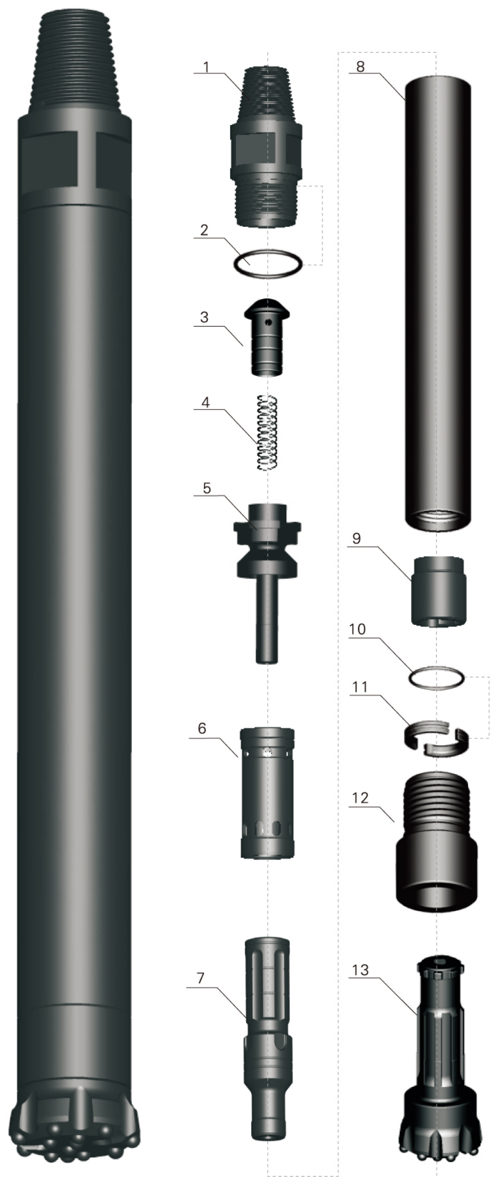
## 技术参数
## Technical Data

| 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 | Φ90—Φ115 | API 2⅜"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 | 耗风量 Air consumption 1.5Mpa |
|---|---|---|---|---|
| 1.0—1.5Mpa | 25HZ | 25-40r/min | 3.8$m^3$/min | 7.5$m^3$/min |

## HD45A潜孔冲击器
## HD45A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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 | HD45A0 |
| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

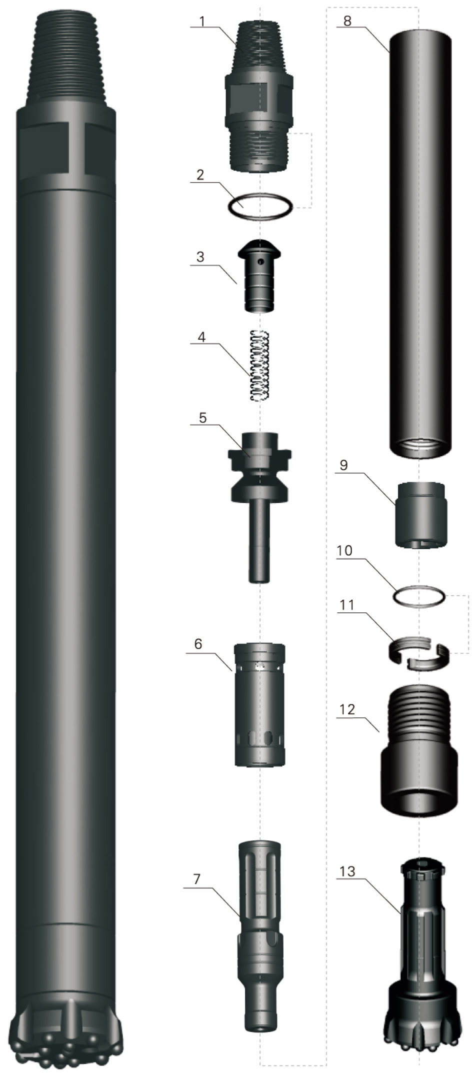
## 技 术 参 数
## Technical Data

| 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 2⅜"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 | 22-35r/min | 6m³/min | 10m³/min | 15m³/min |

**HD45S潜孔冲击器**
**HD45S DTH HAMMER**

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

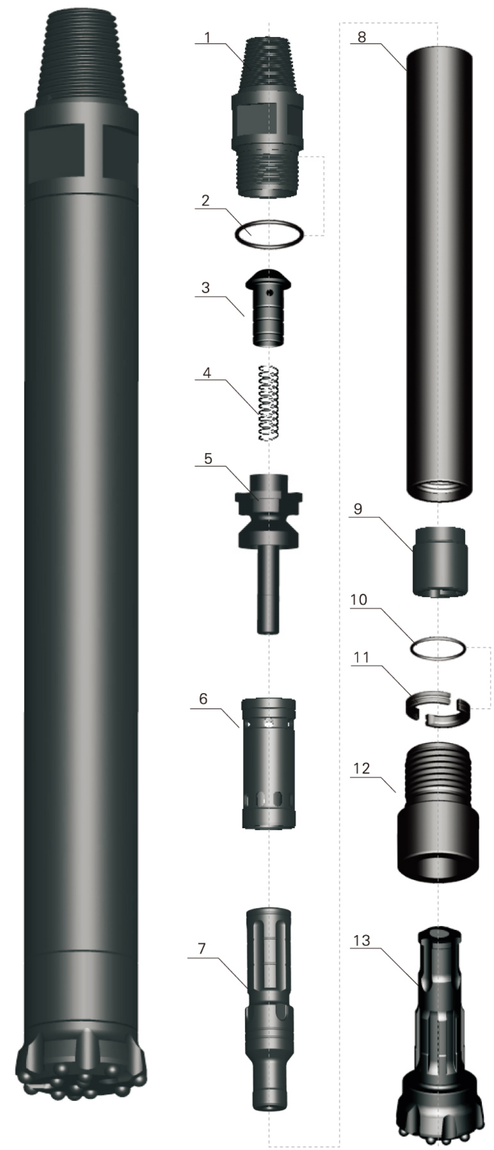
## 技术参数
## Technical Data

| 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 2⅜″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 | 8m$^3$/min | 13m$^3$/min |

# HSD4A潜孔冲击器
# HSD4A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| Item Description<br>（零部件名称） | Weight<br>（重量）<br>Kg | Part Number<br>（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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

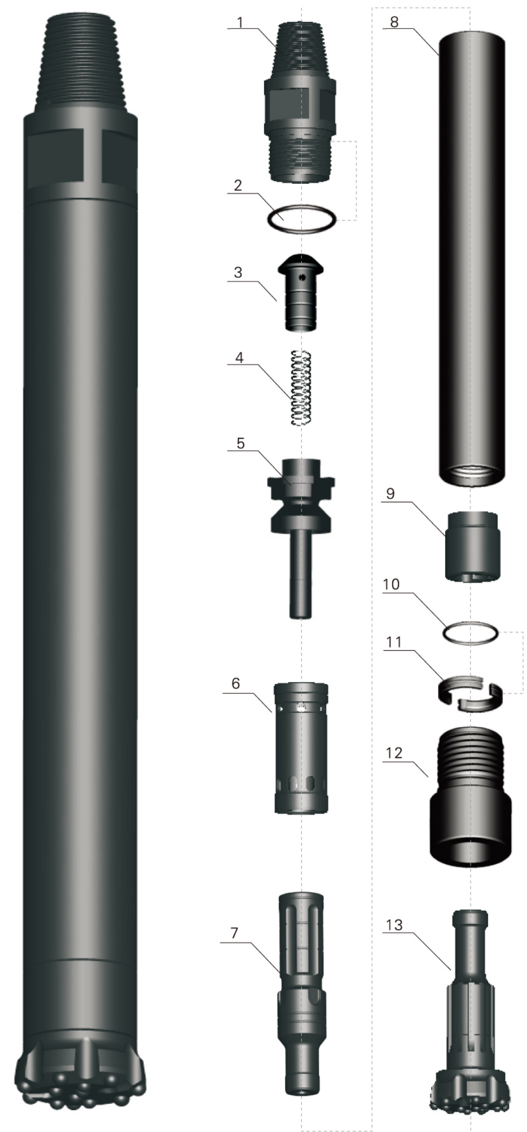
## 技术参数
## Technical Data

| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1012mm | 40.00Kg | Φ99mm | SD4 | Φ110—Φ135 | API 2⅜″Reg |

| 可用工作风压<br>Working Pressure | 在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.5—2.0Mpa | 30HZ | 25-40r/min | $6m^3/min$ | $9m^3/min$ | $14m^3/min$ |

HM4A潜孔冲击器
HM4A DTH HAMMER

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| 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 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

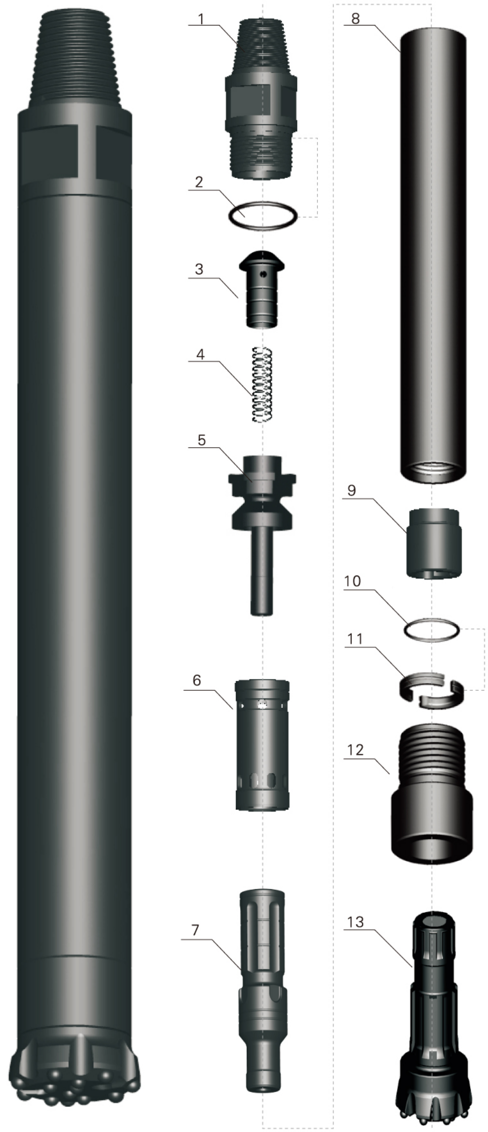
## 技术参数
## Technical Data

| 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 |
|---|---|---|---|---|---|
| 1005mm | 40.00Kg | Φ99mm | HM4 | 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 | 耗风量 Air consumption 1.8Mpa | 耗风量 Air consumption 2.4Mpa |
|---|---|---|---|---|---|
| 1.0—2.5Mpa | 30HZ | 25-40r/min | 5$m^3$/min | 9$m^3$/min | 14$m^3$/min |

# HQL4A潜 孔 冲 击 器
# HQL4A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| Item Description<br>（零部件名称） | | Weight<br>（重量）<br>Kg | Part Number<br>（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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

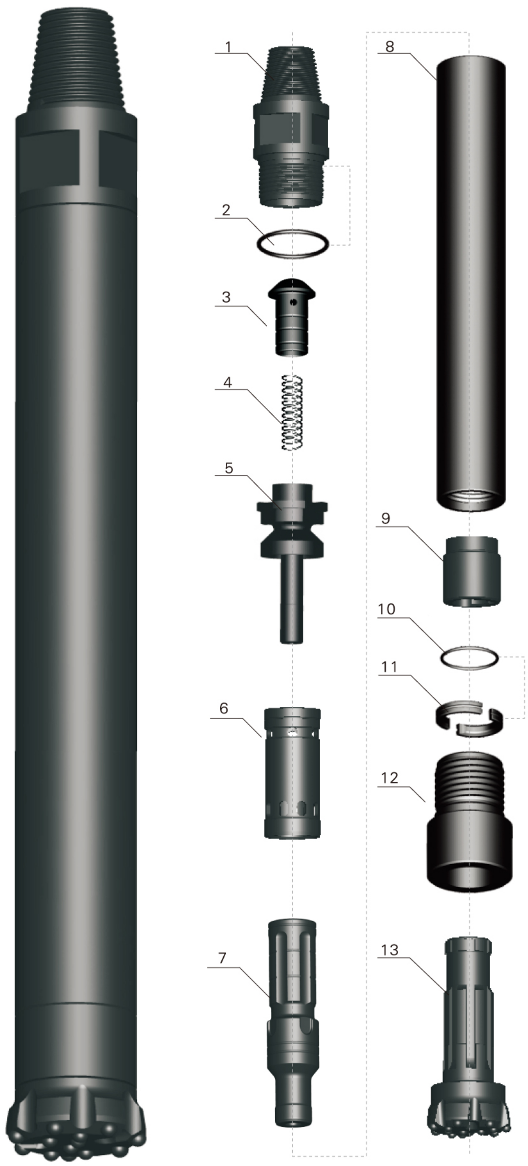
## 技 术 参 数
## Technical Data

| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1070mm | 40.00Kg | Φ99mm | QL40 | Φ110—Φ135 | API 2⅜″Reg |

| 可用工作风压<br>Working Pressure | 在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 30HZ | 25-40r/min | 5$m^3$/min | 9$m^3$/min | 14$m^3$/min |

## HD55A潜孔冲击器
## HD55A DTH HAMMER

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

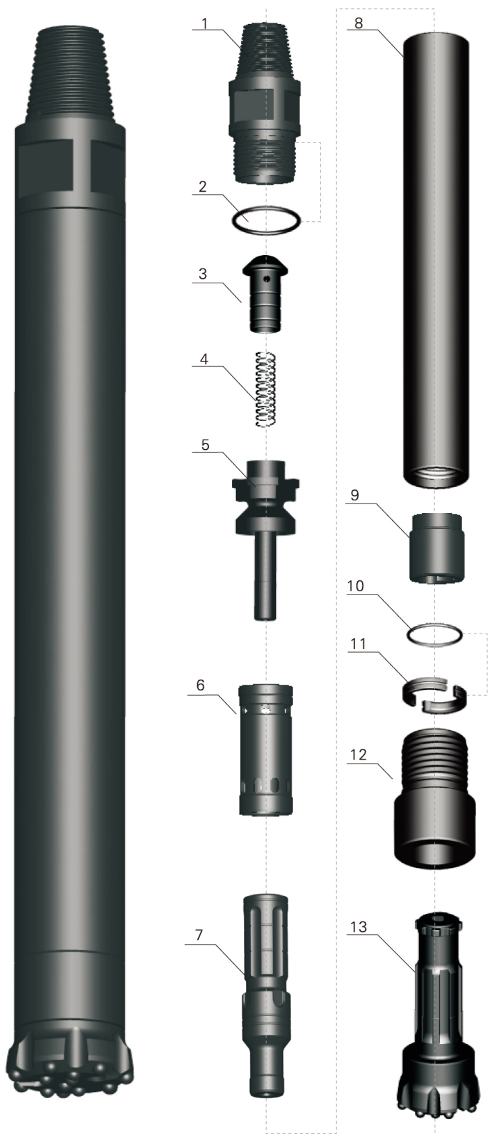
## 技术参数
## Technical Data

| 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 2⅜″ Reg 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 | 28HZ | 20-35r/min | 7$m^3$/min | 14$m^3$/min | 19$m^3$/min |

# HD55S潜孔冲击器
# HD55S DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

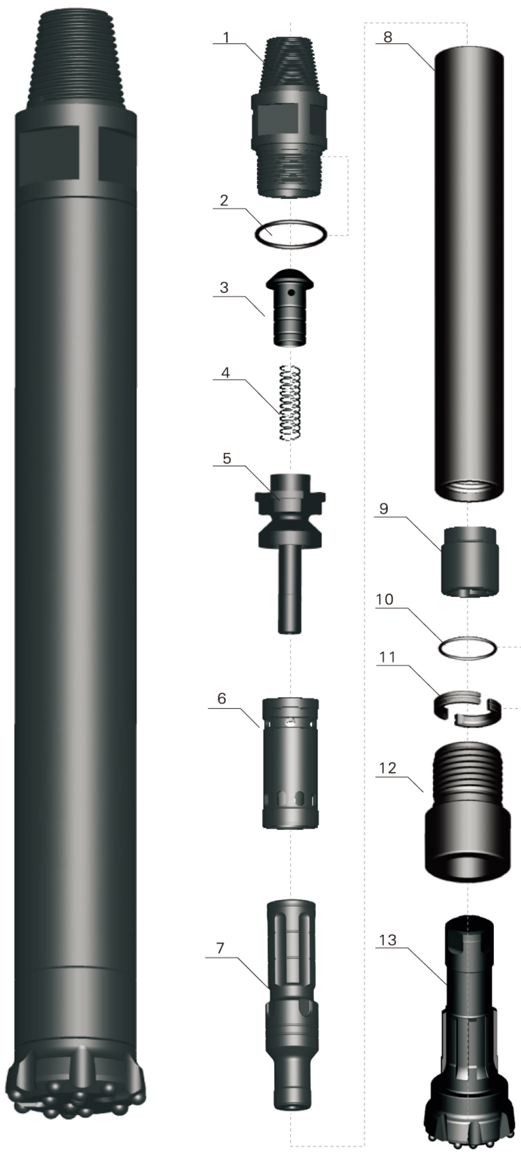
## 技 术 参 数
## Technical Data

| 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<br>DHD350R | Φ127—Φ145 | API 2⅜" Reg<br>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 | 28HZ | 20-35r/min | 7m³/min | 13.5m³/min | 18m³/min |

# HD55C(A)潜孔冲击器
# HD55C(A) DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| Item Description<br>（零部件名称） | Weight<br>（重量）<br>Kg | Part Number<br>（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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

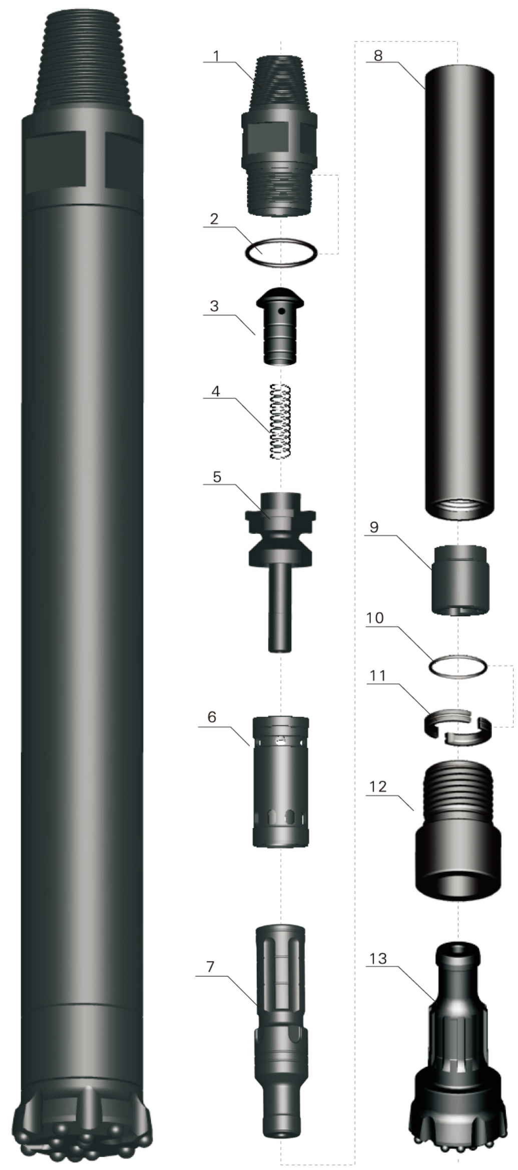
## 技 术 参 数
## Technical Data

| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1102mm | 68.00Kg | Φ125mm | HD55C<br>DHD350Q | Φ135—Φ155 | API 2⅜″ Reg<br>API 3½″ Reg |

| 可用工作风压<br>Working Pressure | 在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 28HZ | 20-35r/min | 8m³/min | 14m³/min | 19m³/min |

## HM5A潜孔冲击器
## HM5A DTH HAMMER

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling 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 | Φ125mm | HM5 | Φ135—Φ155 | API 2⅜″Reg<br>API 3½″Reg |

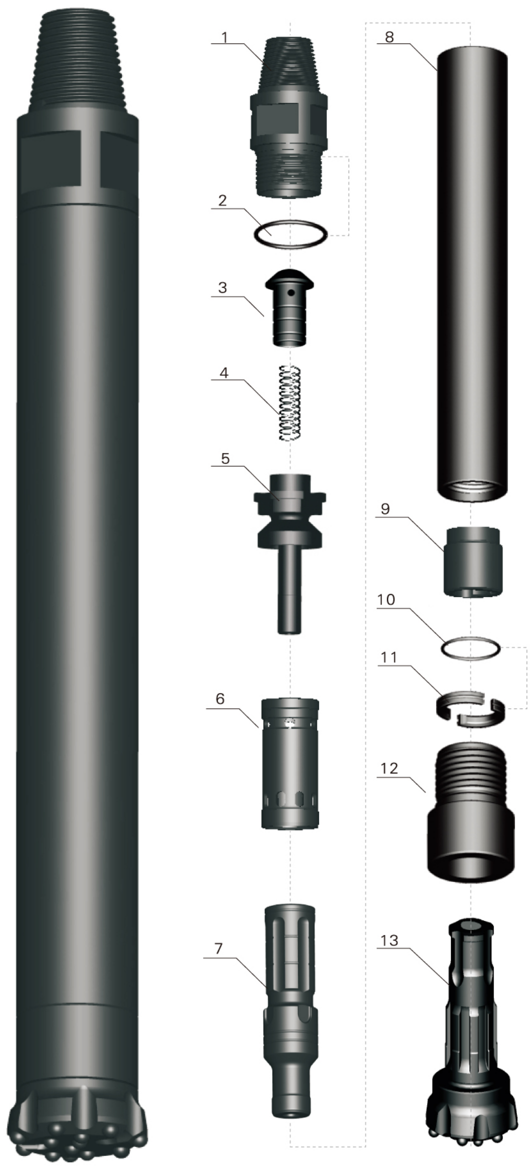
| 可用工作风压 Working Pressure | 在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa | 推荐转速 Recommended rotation speed | 耗风量 Air consumption | | |
| --- | --- | --- | --- | --- | --- |
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 28HZ | 20–35r/min | 7$m^3$/min | 14$m^3$/min | 19$m^3$/min |

**HSD5A潜孔冲击器**

**HSD5A DTH HAMMER**

无 尼 龙 管 高 风 压 冲 击 器 系 列

High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling 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 2⅜" Reg<br>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 | 28HZ | 20-35r/min | 7m³/min | 14m³/min | 19m³/min |

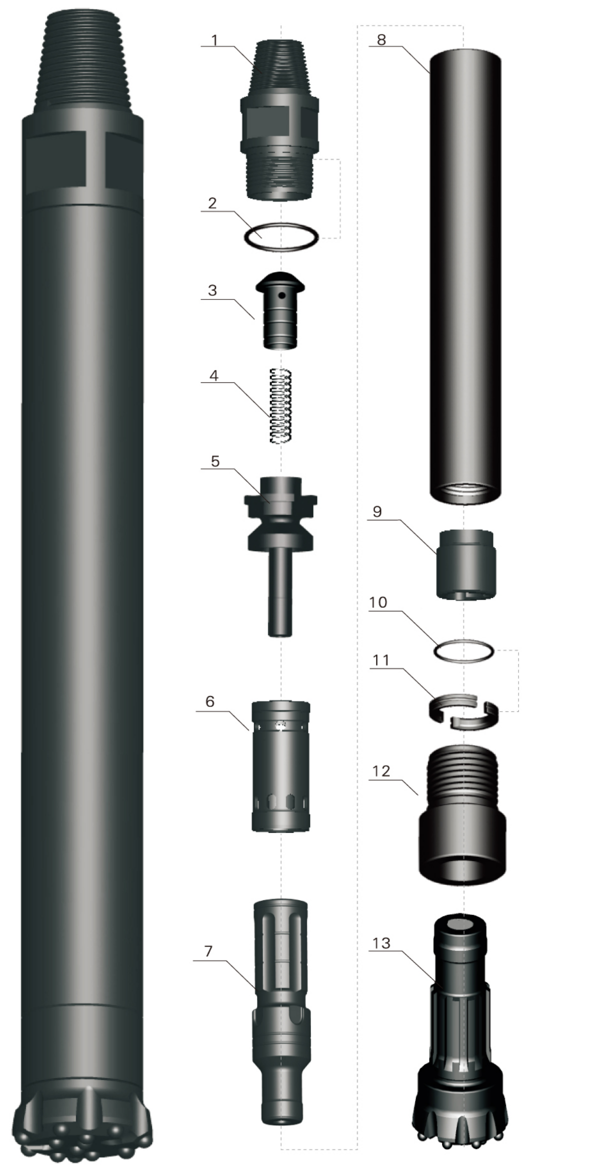
JBT

**HQL5A 潜 孔 冲 击 器**

**HQL5A DTH HAMMER**

无 尼 龙 管 高 风 压 冲 击 器 系 列

High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

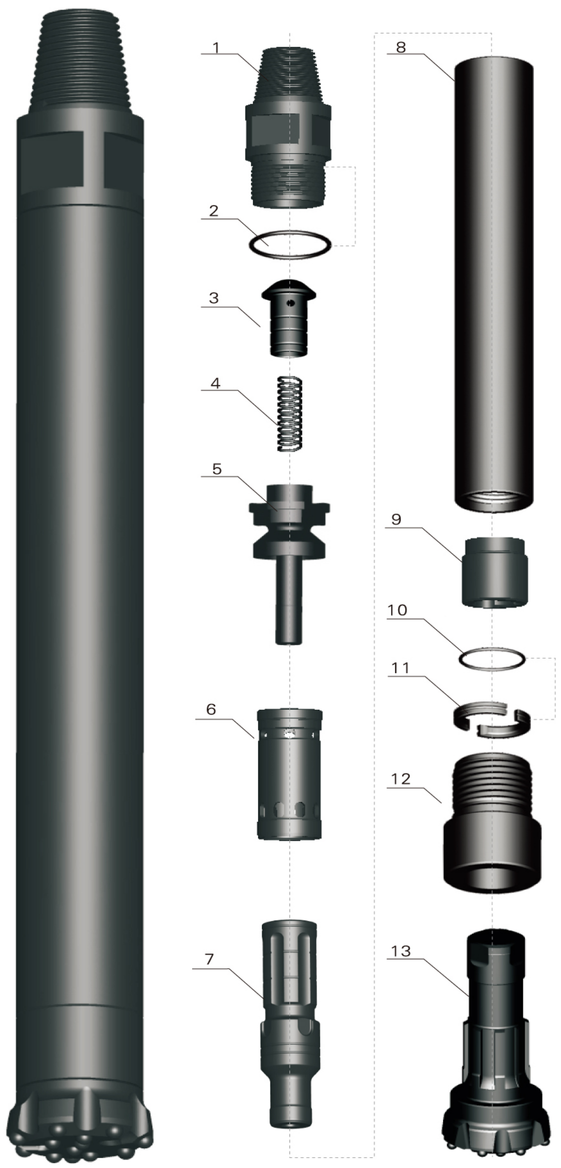
## 技 术 参 数
## Technical Data

| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1090mm | 67.00Kg | Φ125mm | QL50 | Φ135—Φ155 | API 2⅜" Reg<br>API 3½" Reg |

| 可用工作风压<br>Working Pressure | 在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 28HZ | 20–35r/min | 7m³/min | 14m³/min | 19m³/min |

# HD65A 潜孔冲击器
# HD65A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

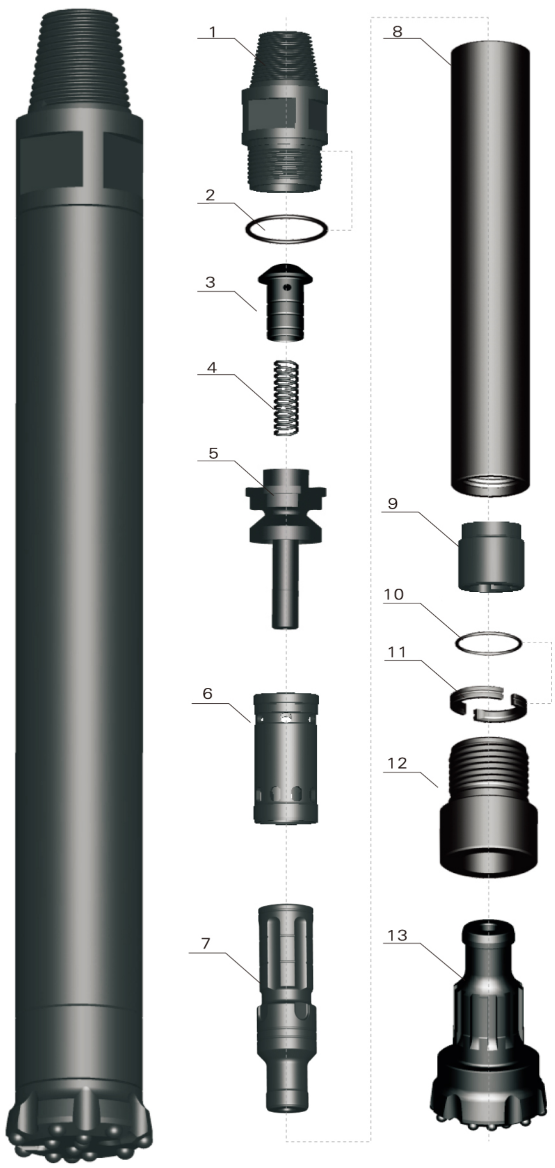
## 技 术 参 数
## Technical Data

| 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 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 | 20-30r/min | 9m³/min | 18m³/min | 26m³/min |

# HM6A潜 孔 冲 击 器
# HM6A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技 术 参 数
## Technical Data

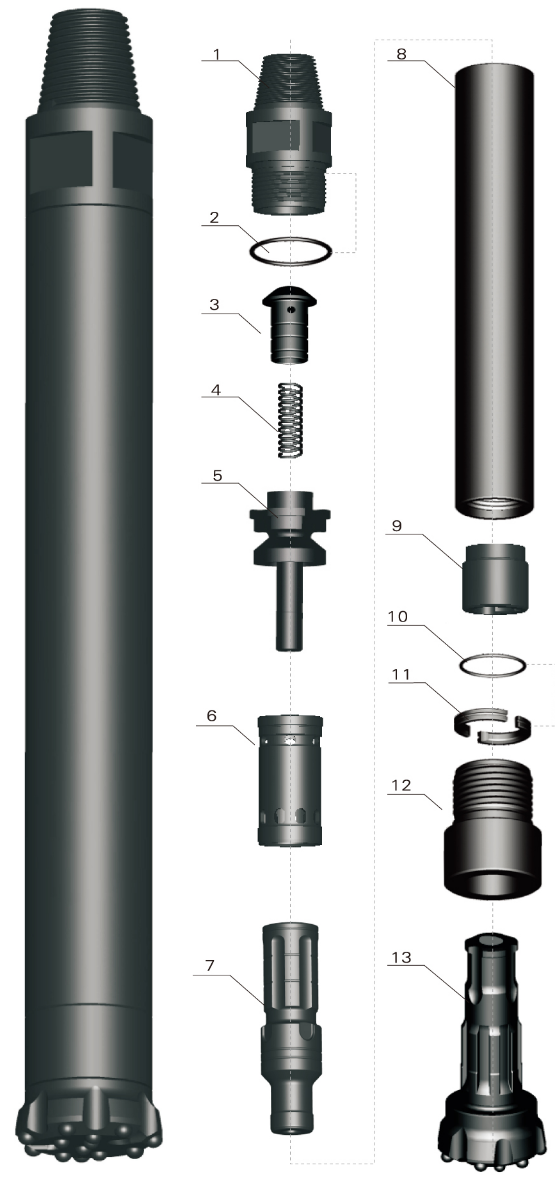
| 总长（不含钻头）Length(Less bit) | 总重（不含钻头）Weight(Less bit) | 冲击器外径 External diameter | 可配钻头钎柄 Bit Shank | 钻孔范围 Hole Range | 后接头螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1161mm | 90.00Kg | Φ146mm | HM6 | Φ155—Φ203 | API 3½"Reg |

| 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 | 20–30r/min | 9m³/min | 18m³/min | 26m³/min |

JBT

# HSD6A潜 孔 冲 击 器
# HSD6A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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 | HSDS6A03 |
| 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 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技 术 参 数
## Technical Data

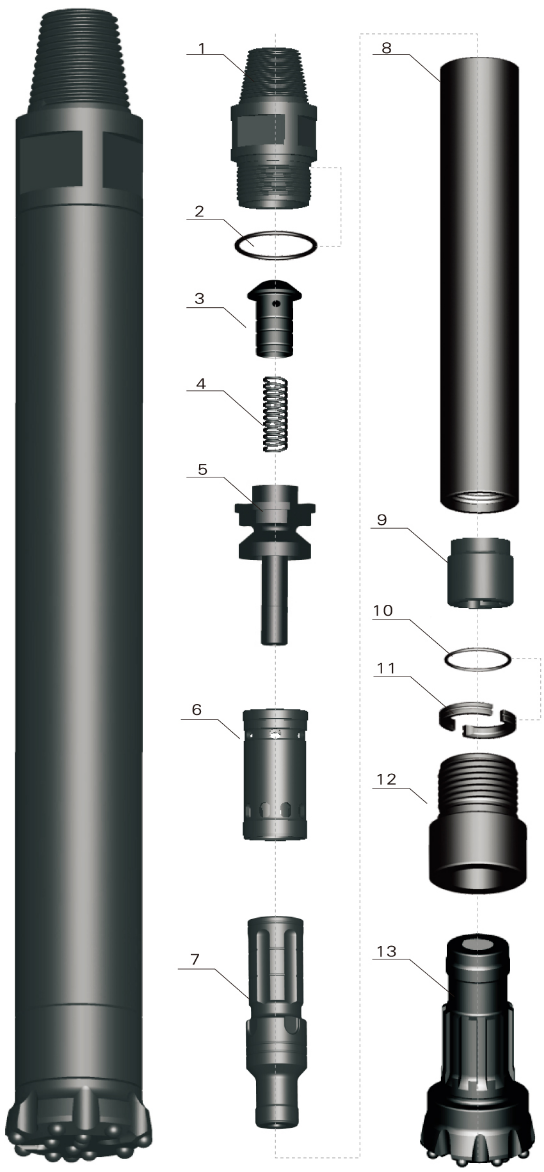
| 总长（不含钻头）Length(Less bit) | 总重（不含钻头）Weight(Less bit) | 冲击器外径 External diameter | 可配钻头钎柄 Bit Shank | 钻孔范围 Hole Range | 后接头螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1182mm | 90.00Kg | Φ146mm | SD6 | Φ155—Φ203 | API 3½"Reg |

| 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 | 20-30r/min | 9m³/min | 18m³/min | 26m³/min |

# HQL6A潜孔冲击器
# HQL6A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列

High Air Pressure without foot vlave DTH Hammers




| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

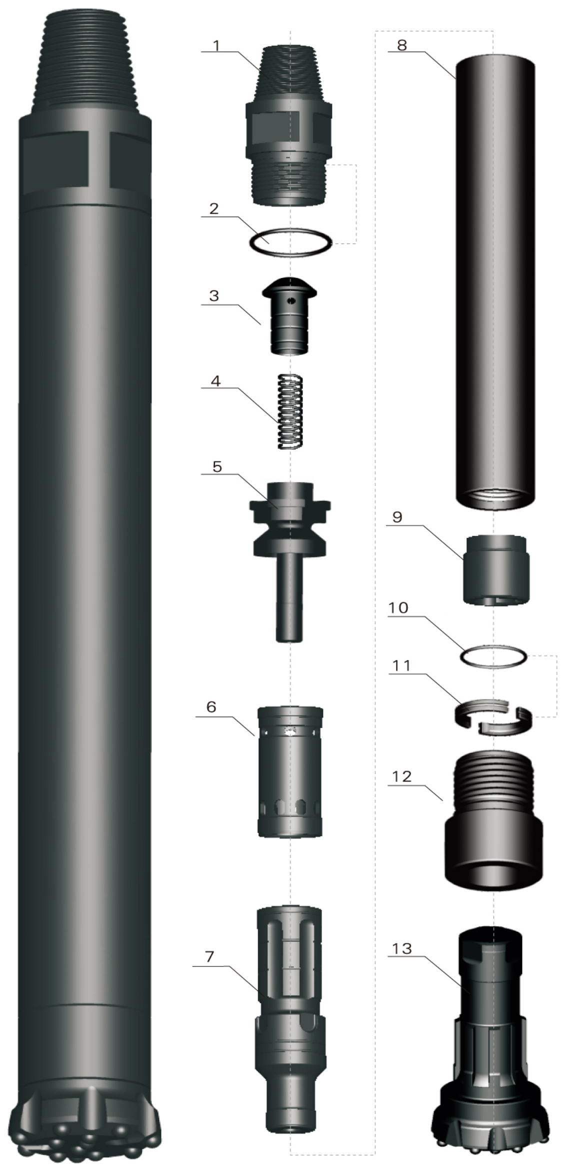
## 技 术 参 数
## Technical Data

| 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 | Φ146mm | QL60 | Φ155—Φ203 | 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 | 20-30r/min | 9m³/min | 18m³/min | 26m³/min |

# HD75A 潜孔冲击器
# HD75A DTH HAMMER

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers



| 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

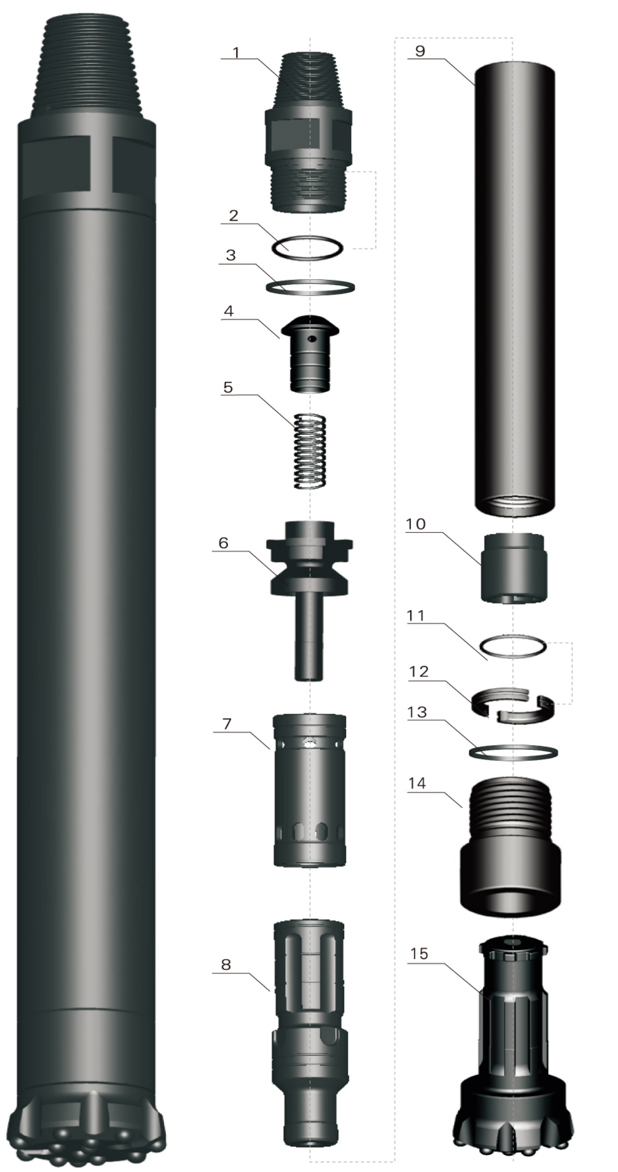
## 技术参数
## Technical Data

| 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 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 | 23HZ | 20–30r/min | 11m³/min | 20m³/min | 28m³/min |

**HD85A 潜孔冲击器**
**HD85A DTH HAMMER**

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| Item Description<br>（零部件名称） | | Weight<br>（重量）<br>Kg | Part Number<br>（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 | 0.30 | 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 | 0.30 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技术参数
## Technical Data

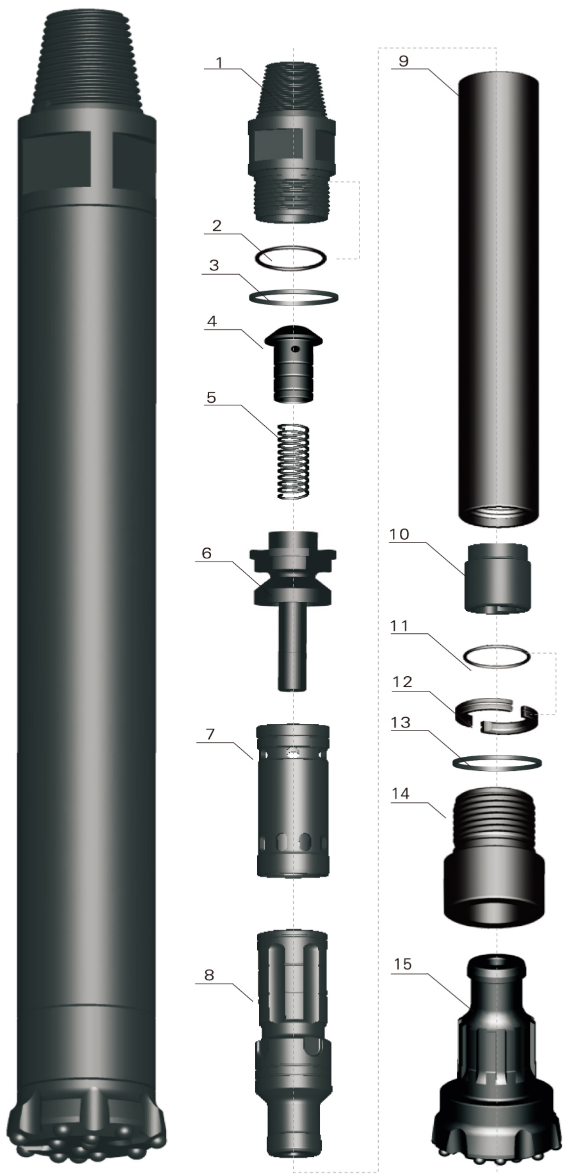
| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1359mm | 175.00Kg | Φ180mm | Cop84<br>DHD380 | Φ195—Φ254 | API 4½"Reg |

| 可用工作风压<br>Working Pressure | 在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 22HZ | 15-25r/min | 12m³/min | 22m³/min | 28m³/min |

JBT

# HM8A潜 孔 冲 击 器
# HM8A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| Item Description<br>（零部件名称） | | Weight<br>（重量）<br>Kg | Part Number<br>（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 | 0.30 | 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 | 0.30 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

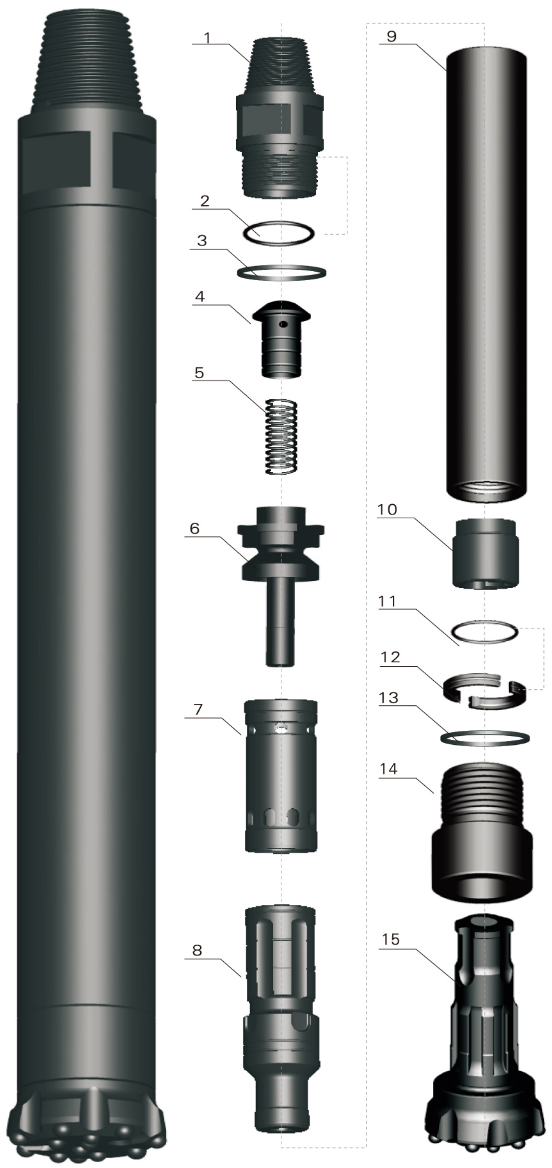
## 技 术 参 数
## Technical Data

| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1338mm | 176.00Kg | Φ180mm | HM8 | Φ195—Φ254 | API 4½"Reg |

| 可用工作风压<br>Working Pressure | 在1.7Mpa时的冲击频率<br>Impact rate at 1.7Mpa | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 22HZ | 15-25r/min | 12m³/min | 22m³/min | 28m³/min |

# HSD8A 潜孔冲击器
# HSD8A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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 | 0.30 | 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 | 0.30 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

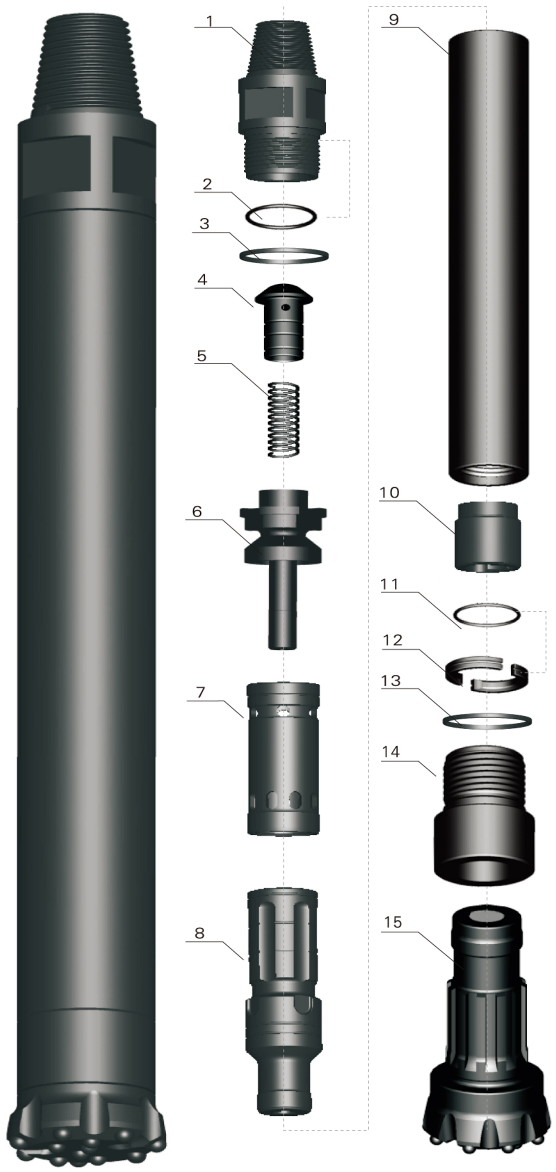
## 技 术 参 数
## Technical Data

| 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 | Φ180mm | SD8 | 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 |

**HQL8A潜孔冲击器**
**HQL8A DTH HAMMER**

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| 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 | 0.30 | 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型圈 | "O" Ring of Stop Ring | 0.01 | HQL8A11 |
| 12、卡环 | Stop Ring | 1.40 | HQL8A12 |
| 13、卡钎套垫片 | Breakout Ring | 0.30 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技术参数
## Technical Data

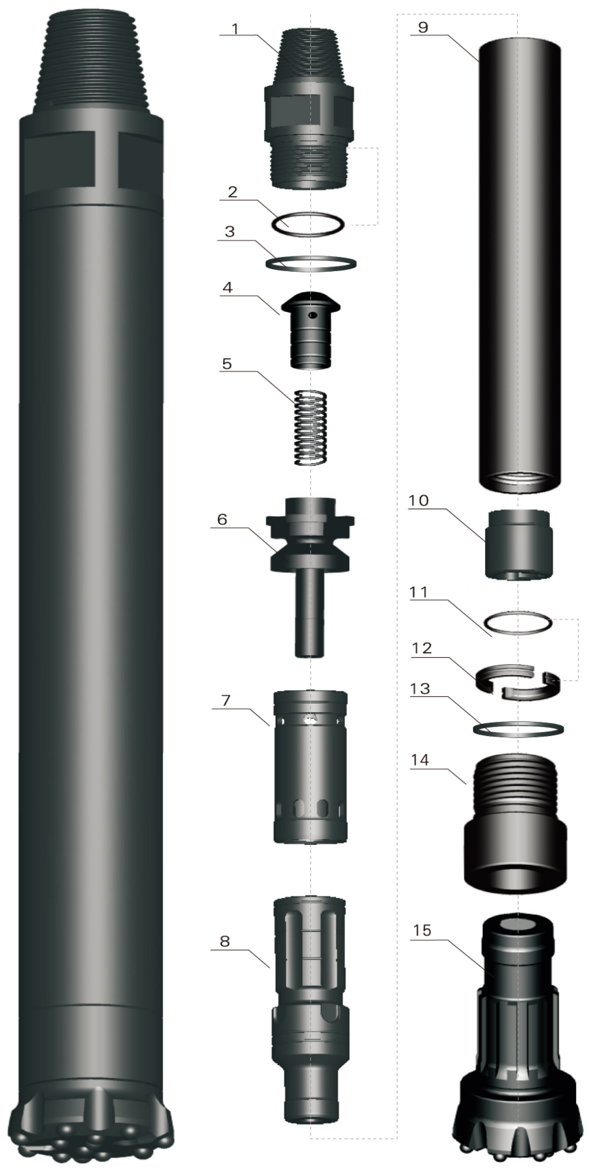
| 总长（不含钻头）Length(Less bit) | 总重（不含钻头）Weight(Less bit) | 冲击器外径 External diameter | 可配钻头钎柄 Bit Shank | 钻孔范围 Hole Range | 后接头螺纹 Connection Thread |
|---|---|---|---|---|---|
| 1330mm | 171.00Kg | Φ180mm | QL80 | Φ195—Φ254 | API 4½"Reg |

| 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 |

## HQL95A潜 孔 冲 击 器
## HQL95A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列

High Air Pressure without foot vlave DTH Hammers




| 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 | 0.40 | 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 | 0.40 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

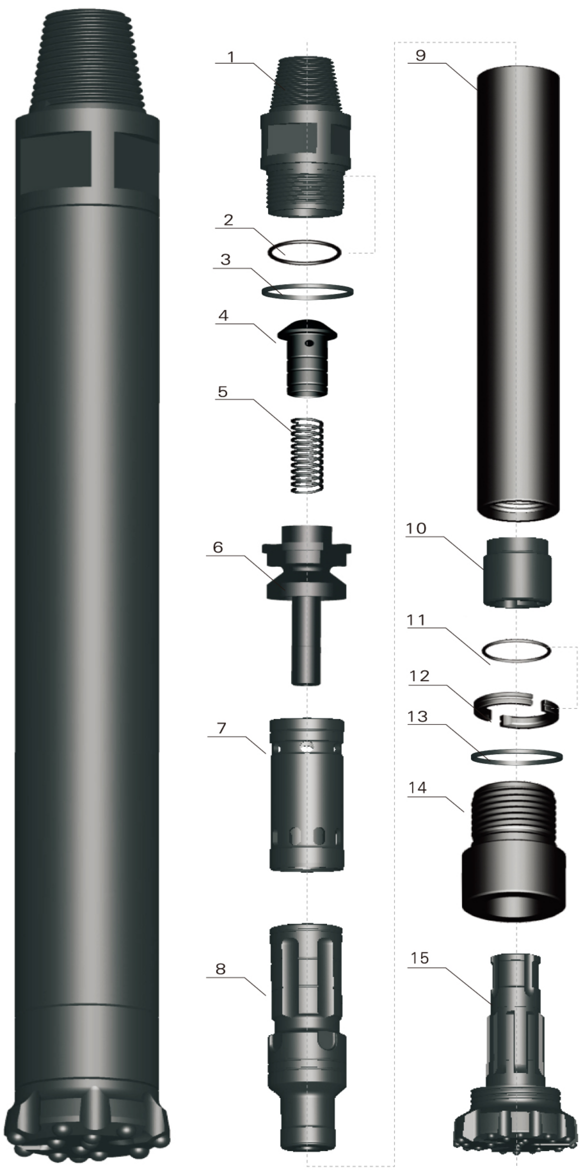
## 技 术 参 数
## Technical Data

| 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 | Φ203mm | QL80 | Φ216—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 | 16m³/min | 28m³/min | 39m³/min |

# HSD10A 潜孔冲击器
# HSD10A DTH HAMMER

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| 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 | 0.50 | 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 | 0.50 | HSD10A13 |
| 14、卡　钎　套 | Drive Chuck | 31.50 | HSD10A14 |
| 15、钻　　　头 | Drill Bit | 108.00 | HSD10A15 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

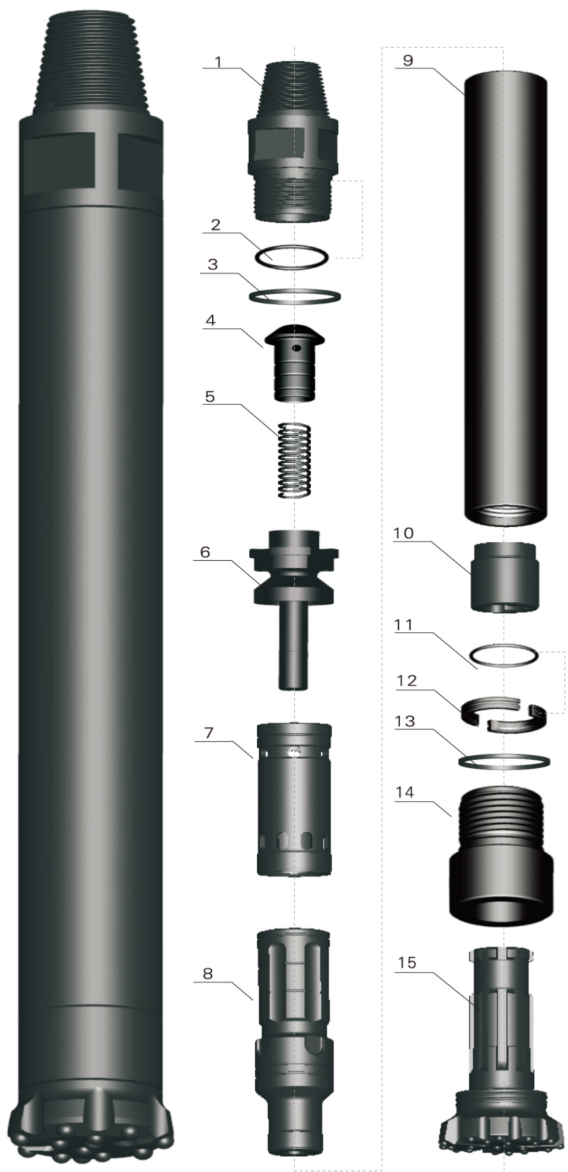
## 技术参数
## Technical Data

| 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 |
|---|---|---|---|---|---|
| 1525mm | 316.00Kg | Φ226mm | SD10 | Φ254—Φ311 | API 6⅝"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 | 22$m^3$/min | 40$m^3$/min | 65$m^3$/min |

# HN100A 潜孔冲击器
# HN100A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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 | 0.50 | 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 | 0.50 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

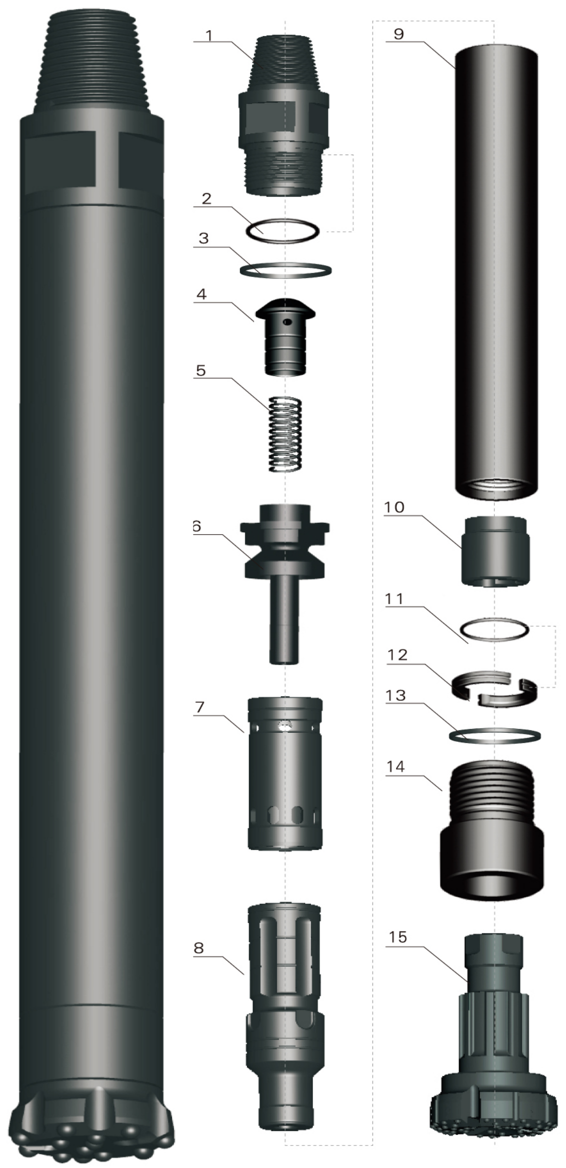
## 技 术 参 数
## Technical Data

| 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 6⅝"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 | 22m³/min | 40m³/min | 65m³/min |

# HD1120A 潜孔冲击器
# HD1120A DTH HAMMER

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| Item Description<br>（零部件名称） | | Weight<br>（重量）<br>Kg | Part Number<br>（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 | 0.80 | 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 | 0.80 | HD1120A13 |
| 14、卡　钎　套 | Drive Chuck | 46.00 | HD1120A14 |
| 15、钻　　头 | Drill Bit | 140.00 | HD1120A15 |

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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

## 技术参数
## Technical Data

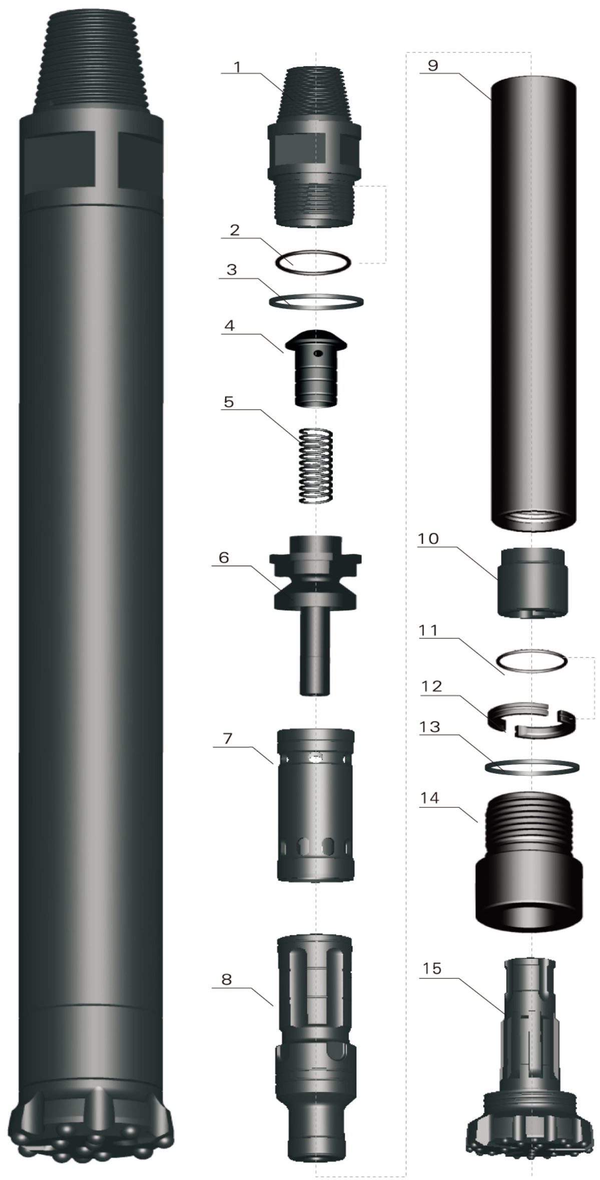
| 总长（不含钻头）<br>Length(Less bit) | 总重（不含钻头）<br>Weight(Less bit) | 冲击器外径<br>External diameter | 可配钻头钎柄<br>Bit Shank | 钻孔范围<br>Hole Range | 后接头螺纹<br>Connection Thread |
|---|---|---|---|---|---|
| 1880mm | 474.00Kg | Φ275mm | DHD1120 | Φ305—Φ445 | API 6⅝″Reg |

| 可用工作风压<br>Working Pressure | 在17bar时的冲击频率<br>Impact rate at 17 Bar | 推荐转速<br>Recommended rotation speed | 耗风量<br>Air consumption<br>1.0Mpa | 耗风量<br>Air consumption<br>1.8Mpa | 耗风量<br>Air consumption<br>2.4Mpa |
|---|---|---|---|---|---|
| 1.0—2.5Mpa | 20HZ | 15–25r/min | 28m³/min | 50m³/min | 71m³/min |

# HSD12A 潜孔冲击器
# HSD12A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列

High Air Pressure without foot vlave DTH Hammers




| 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 | 0.80 | 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 | 0.80 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

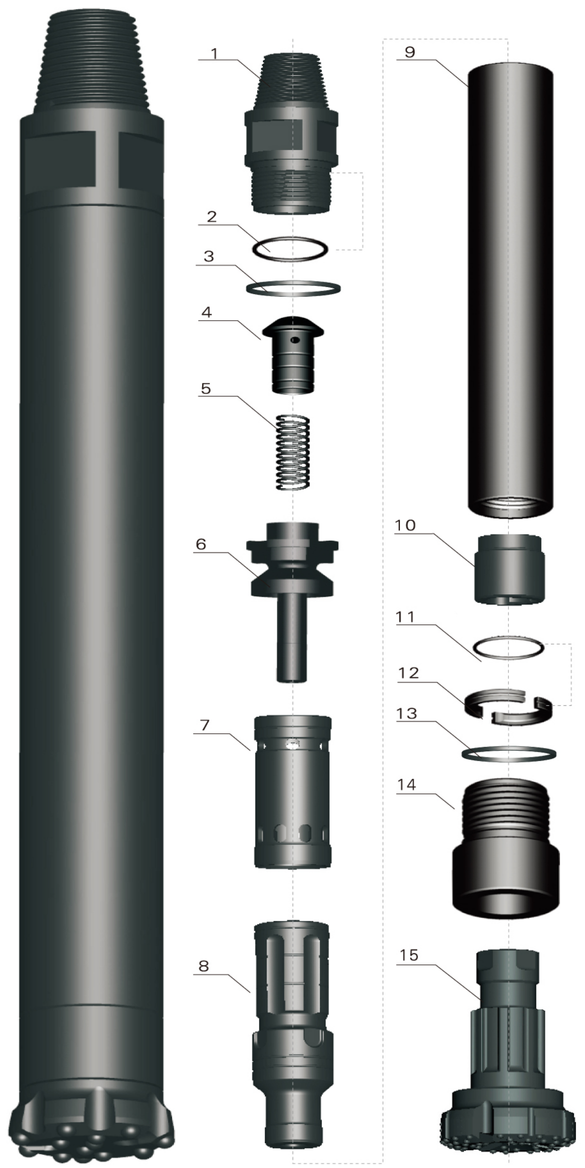
## 技术参数
## Technical Data

| 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 6⅝"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 | $28m^3/min$ | $50m^3/min$ | $71m^3/min$ |

## HN120A 潜孔冲击器
## HN120A DTH HAMMER

无尼龙管高风压冲击器系列
High Air Pressure without foot vlave DTH Hammers




| 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 | 0.80 | 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 | 0.80 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

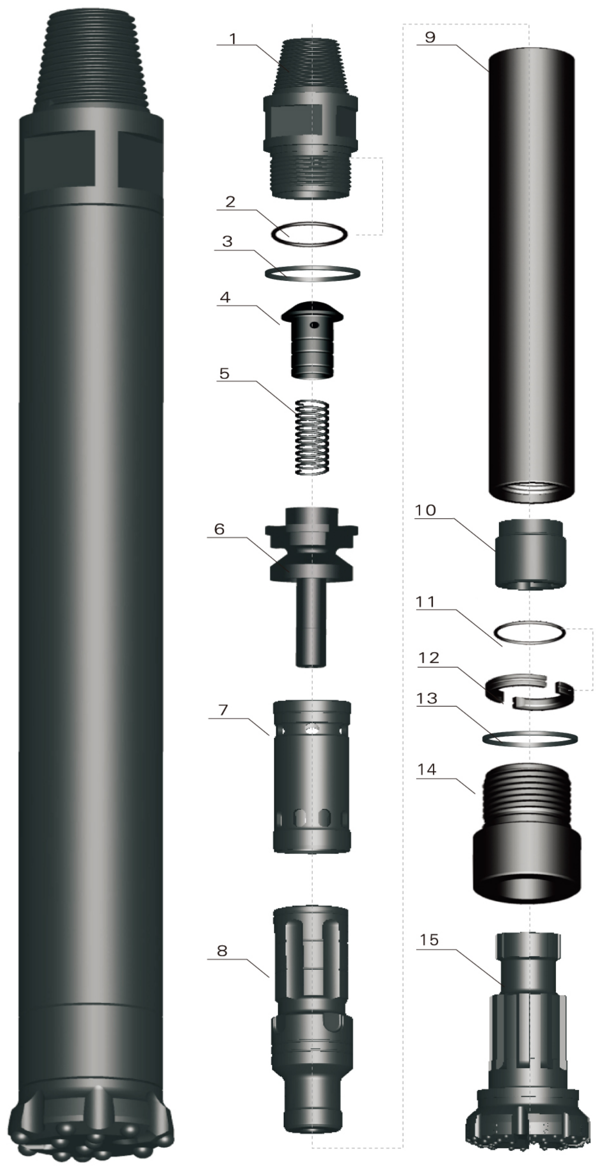
## 技术参数
## Technical Data

| 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 6⅝″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 | 耗风量 Air consumption 1.8Mpa | 耗风量 Air consumption 2.4Mpa |
|---|---|---|---|---|---|
| 1.0—2.5Mpa | 20HZ | 15–25r/min | $28m^3/min$ | $50m^3/min$ | $71m^3/min$ |

# HN125A 潜 孔 冲 击 器
# HN125A DTH HAMMER

无 尼 龙 管 高 风 压 冲 击 器 系 列
High Air Pressure without foot vlave DTH Hammers




| 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 | 0.80 | 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 | 0.80 | 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，可在逆止阀上钻调气孔。

According to your request, the top sub can be made into two spanners, and put protection buttons. An air controlling hole can be drilled on the check valve to provide more efficient cuttings discharge.

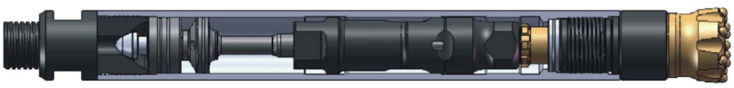
## 技 术 参 数
## Technical Data

| 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 | Φ275mm | NUMA125 | Φ305—Φ445 | API 6$\frac{5}{8}$"Reg |

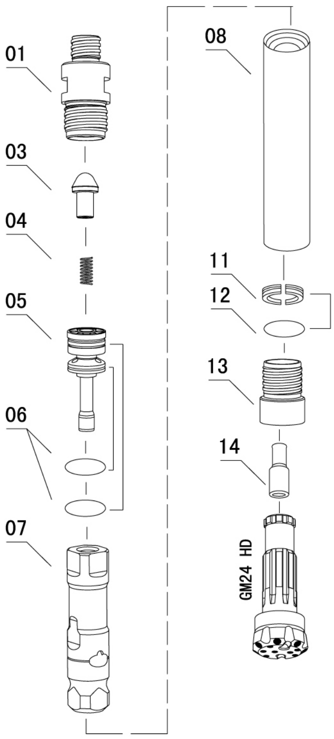
| 可用工作风压 Working Pressure | 在1.7Mpa时的冲击频率 Impact rate at 1.7Mpa | 推荐转速 Recommended rotation speed | 耗风量 Air consumption | | |
|---|---|---|---|---|---|
| | | | 1.0Mpa | 1.8Mpa | 2.4Mpa |
| 1.0—2.5Mpa | 20HZ | 15–25r/min | 28$m^3$/min | 50$m^3$/min | 71$m^3$/min |

高气压潜孔冲击器和钻头
Hammers & Bit

# GM24HD ®

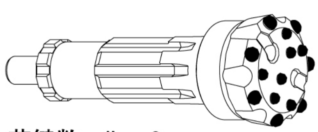


有效长度 Hammer length without bit(mm)：854
API 螺纹 API Thread: F42 × 10 × 1.5
外 径 Outside diameter(mm):70
扳手槽 Wrench flat(mm):55
总重量 Weight(kg):19.5
工作压力 Work pressure(bar): 10 18 24
耗气量 Air consumption($M^3$/min): 4 8 10




| | 部件 Replacement Parts | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub :F42 × 10 × 1.5 | 3.2 | GM24-01 |
| 03 | 逆止阀 | Check Valve Dart | 0.15 | GM24-02 |
| 04 | 弹 簧 | Spring | 0.01 | GM24-03 |
| 05 | 配气杆 | Rigid Valves | 1.6 | GM24-04 |
| 06 | O型圈 | O-Ring | 0.01 | ϕ54.5 × 3.1 |
| 07 | 活 塞 | Piston | 4.7 | GM24-05 |
| 08 | 外套管 | Piston Case | 8.8 | GM24 HD-06 |
| 11 | 卡 环 | Bit Retainer Ring | 0.10 | GM24-10 |
| 12 | O型圈 | O-Ring | 0.01 | ϕ54.5 × 3.1 |
| 13 | 前接头 | Driver Sub | 1.68 | GM24-09 |
| 14 | 尾 管 | Foot Valve | 0.08 | WG24 |

## 钻头尾柄Bit shanks： GM24HD、CWG76



花键数spline:6

平面型(A)
Flat(A)

| | 直径 Dia.(mm) | 边齿Gauge button 边齿数X尺寸 Button No.Xsize | 单重 Weight(kg) | 件号 Part No. |
|---|---|---|---|---|
| 球头齿 Spherical | 78<br>78 | 6 × ϕ13<br>5 × ϕ14 | 3.5<br>3.5 | ZT24A26-078Q<br>ZT24A16-078Q |
| 弹头齿 Ballistic | 78<br>78 | 6 × ϕ13<br>5 × ϕ14 | 3.5<br>3.5 | ZT24A26-078Z<br>ZT24A16-078Z |

高气压潜孔冲击器和钻头
Hammers & Bit

# GM3.5HD ®

有效长度 Hammer length without bit(mm)：801

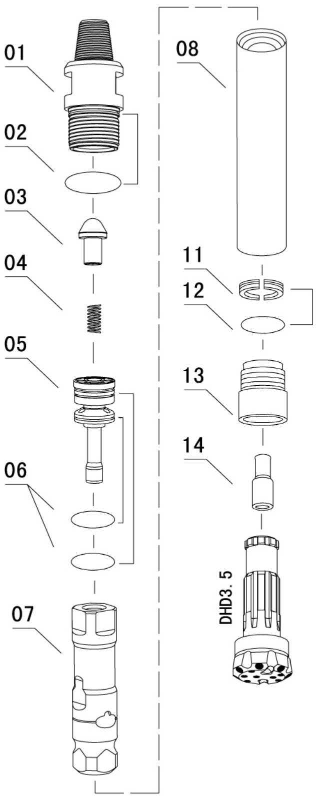
API 螺纹 API Thread:$2\frac{3}{8}$"REG

外 径 Outside diameter(mm):80

扳手槽 Wrench flat(mm):65

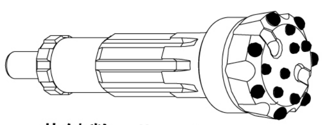
总重量 Weight(kg):25

| | | | |
|---|---|---|---|
| 工作压力 Work pressure(bar): | 10 | 18 | 24 |
| 耗气量 Air consumption($M^3$/min): | 4.8 | 6.8 | 12.6 |




| | 部件 Replacement Parts | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub:API$2\frac{3}{8}$"REG | 4 | GM30/3.5-01 |
| 02 | O型圈 | O-Ring | 0.01 | ϕ80×3.1 |
| 03 | 逆止阀 | Check Valve Dart | 0.25 | GM30/3.5-02 |
| 04 | 弹 簧 | Spring | 0.05 | GM30/3.5-03 |
| 05 | 配气杆 | Rigid Valves | 1.3 | GM30/3.5-04 |
| 06 | O型圈 | O-Ring | 0.01 | ϕ73×3.1 |
| 07 | 活 塞 | Piston | 5.1 | GM3.5-05 |
| 08 | 外套管 | Piston Case | 10.5 | GM3.5 HD-06 |
| 11 | 卡 环 | Bit Retainer Ring | 0.25 | GM3.5-08 |
| 12 | O型圈 | O-Ring | 0.01 | ϕ60×1.8 |
| 13 | 前接头 | Driver Sub | 1.5 | GM30/3.5-09 |
| 14 | 尾管 | Foot Valve | 0.1 | WG3.5 |

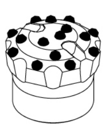
## 钻头尾柄Bit shanks: GM3.5HD、DHD3.5



花键数spline:8

平面型(A) Flat(A)

球头齿 Spherical



凸面型(C) Convex(C)

弹头齿 Spherical

| 直径 Dia.(mm) | 边齿Gauge button 边齿数X尺寸 Button No.Xsize | 单重 Weight(kg) | 件号 Part No. |
|---|---|---|---|
| 90 | 6×ϕ14 | 5.2 | ZT35A29-090Q |
| 95 | 6×ϕ14 | 5.5 | ZT35A29-095Q |
| 90 | 7×ϕ13 | 5 | ZT35A36-090Q |
| 95 | 7×ϕ13 | 5.3 | ZT35A36-095Q |
| 100 | 7×ϕ14 | 5.6 | ZT35A39-100Q |
| 105 | 7×ϕ14 | 6 | ZT35A39-105Q |
| 90 | 7×ϕ13 | 5. | ZT35C36-090Z |
| 95 | 7×ϕ13 | 5.3 | ZT35C36-095Z |
| 100 | 7×ϕ14 | 5.6 | ZT35C39-100Z |
| 105 | 7×ϕ14 | 6 | ZT35C39-105Z |

# 高气压潜孔冲击器和钻头
Hammers & Bit

## GM44HD ®

有效长度 Hammer length without bit(mm): 890

API螺纹API Thread:2$\frac{3}{8}$"REG

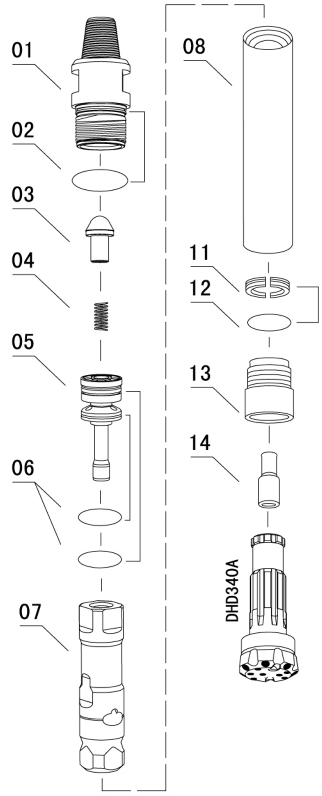
外 径 Outside diameter(mm):99

扳手槽 Wrench flat(mm):74

总重量 Weight(kg):40

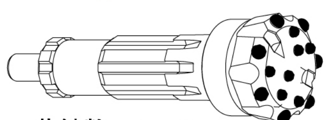
工作压力 Work pressure(bar): 10 18 24

耗气量 Air consumption($M^3$/min): 6 8 15




| | 部件 Replacement Parts | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub:API2$\frac{3}{8}$"REG | 7.3 | GM40/44-01 |
| 02 | O型圈 | O-Ring | 0.01 | ϕ80×3.1 |
| 03 | 逆止阀 | Check Valve Dart | 0.25 | GM40/44-02 |
| 04 | 弹 簧 | Spring | 0.05 | GM40/44-03 |
| 05 | 配气杆 | Rigid Valves | 2.7 | GM40/44-04 |
| 06 | O型圈 | O-Ring | 0.01 | ϕ 73×3.1 |
| 07 | 活 塞 | Piston | 9.7 | GM44-05 |
| 08 | 外套管 | Piston Case | 16.4 | GM44 HD-06 |
| 11 | 卡 环 | Bit Retainer Ring | 0.25 | GM44-08 |
| 12 | O型圈 | O-Ring | 0.01 | ϕ60×1.8 |
| 13 | 前接头 | Driver Sub | 3.4 | GM40/44-09 |
| 14 | 尾 管 | Foot Valve | 0.1 | WG44 |

## 钻头尾柄Bit shanks: GM44HD、DHD340A、COP44



花键数spline:8

| 类型 | 齿型 | 直径 Dia.(mm) | 边齿Gauge button 边齿数X尺寸 Button No.Xsize | 单重 Weight(kg) | 件号 Part No. |
|---|---|---|---|---|---|
| 平面型(A) Flat(A) | 球头齿 Spherical | 108 | 7×ϕ14 | 9.5 | ZT44A30-108Q |
| | | 115 | 7×ϕ16 | 10.2 | ZT44A3C-115Q |
| | | 115 | 8×ϕ14 | 10 | ZT44A40-115Q |
| | | 125 | 7×ϕ16 | 11 | ZT44A3C-125Q |
| | | 130 | 8×ϕ16 | 12.5 | ZT44A4C-130Q |
| | 弹头齿 Ballistic | 108 | 7×ϕ14 | 9.5 | ZT44A30-108Z |
| | | 115 | 7×ϕ16 | 10.2 | ZT44A3C-115Z |
| | | 115 | 8×ϕ14 | 10 | ZT44A40-115Z |
| | | 125 | 7×ϕ16 | 11 | ZT44A3C-125Z |
| | | 130 | 8×ϕ16 | 12.5 | ZT44A4C-130Z |
| 凸面型(C) Convex(C) | 弹头齿 Ballistic | 108 | 7×ϕ14 | 9.5 | ZT44C30-108Z |
| | | 115 | 8×ϕ14 | 10 | ZT44C40-115Z |
| | | 125 | 7×ϕ16 | 11 | ZT44C3C-125Z |
| | | 130 | 8×ϕ16 | 12.5 | ZT44C4C-130Z |

# 高气压潜孔冲击器和钻头

Hammers & Bit

## GM54HD ®

有效长度 Hammer length without bit(mm)：1046

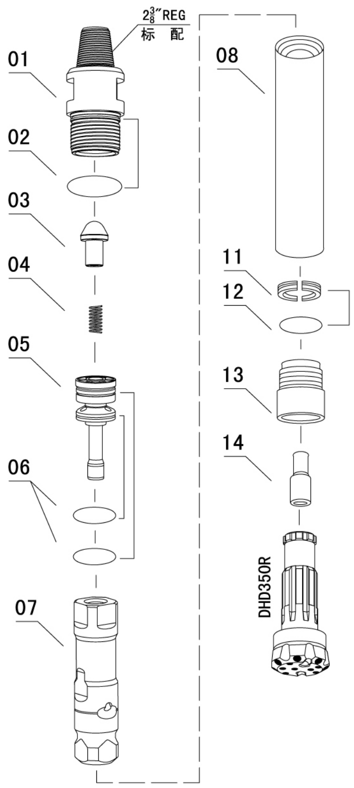
API 螺纹 API Thread: $2\frac{3}{8}$"REG、$2\frac{7}{8}$"REG 、$3\frac{1}{2}$"REG

外 径 Outside diameter(mm):124

扳手槽 Wrench flat(mm):74、95

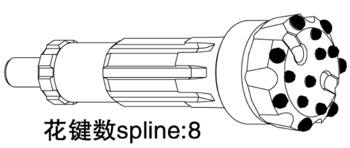
总重量 Weight(kg):75

| | | | |
|---|---|---|---|
| 工作压力 Work pressure(bar): | 10 | 18 | 24 |
| 耗气量 Air consumption($M^3$/min): | 8.7 | 16.8 | 23 |

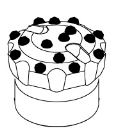



| 部件 Replacement Parts | | | 单重Weigt(kg) | 件号Part NO. |
|---|---|---|---|---|
| 01 | 后接头 | Top Sub:API$2\frac{3}{8}$"REG | 10.1 | GM50/54-01 |
| | | API$2\frac{7}{8}$"REG | 10.2 | GM50/54-01A |
| | | API$3\frac{1}{2}$"REG | 10.3 | GM50/54-01B |
| 02 | O型圈 | O-Ring | 0.01 | ϕ103×3.1 |
| 03 | 逆止阀 | Check Valve Dart | 0.25 | GM50/54-02 |
| 04 | 弹 簧 | Spring | 0.05 | GM50/54-03 |
| 05 | 配气杆 | Rigid Valves | 4.1 | GM50/54-04 |
| 06 | O型圈 | O-Ring | 0.01 | ϕ95.5×3.1 |
| 07 | 活 塞 | Piston | 15.4 | GM54-05 |
| 08 | 外套管 | Piston Case | 29.5 | GM54 HD-06 |
| 11 | 卡 环 | Bit Retainer Ring | 0.25 | GM54-08 |
| 12 | O型圈 | O-Ring | 0.01 | ϕ80×2.65 |
| 13 | 前接头 | Driver Sub | 6.2 | GM50/54-09 |
| 14 | 尾 管 | Foot Valve | 0.1 | WG54 |

## 钻头尾柄Bit shanks： GM54HD、DHD350R、COP54



花键数spline:8



| | | 直径 Dia.(mm) | 边齿Gauge button 边齿数X尺寸 Button No.Xsize | 单重 Weight(kg) | 件号 Part No. |
|---|---|---|---|---|---|
| 平面型(A) Flat(A) | 球头齿 Spherical | 134 | 7×ϕ16 | 14.5 | ZT54A3D-134Q |
| | | 140 | 7×ϕ18 | 17.2 | ZT54A3H-140Q |
| | | 140 | 8×ϕ17 | 17 | ZT54A4F-140Q |
| | | 148 | 8×ϕ17 | 17.5 | ZT54A4F-148Q |
| | | 152 | 8×ϕ17 | 18 | ZT54A4F-152Q |
| 凹面型(B) Concave(B) | 球头齿 Spherical | 134 | 7×ϕ16 | 14.5 | ZT54B3D-134Q |
| | | 140 | 7×ϕ18 | 17.2 | ZT54B3H-140Q |
| | | 140 | 8×ϕ17 | 17 | ZT54B4F-140Q |
| | | 148 | 8×ϕ17 | 17.5 | ZT54B4F-148Q |
| | | 152 | 8×ϕ17 | 18 | ZT54B4F-152Q |
| 凸面型(C) Convex(C) | 弹头齿 Ballistic | 134 | 7×ϕ16 | 14.5 | ZT54C3D-134Z |
| | | 140 | 8×ϕ17 | 17 | ZT54C4F-140Z |
| | | 148 | 8×ϕ17 | 17.5 | ZT54C4F-148Z |
| | | 152 | 8×ϕ17 | 18 | ZT54C4F-152Z |