

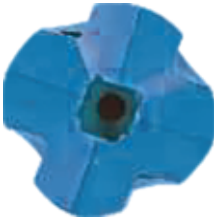
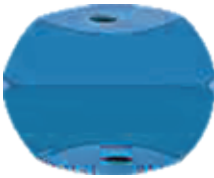
TAPERED CONNECTION CHISEL BIT

锥体连接片齿钎头

Note: In addition to the following common specifications,
can produce a variety of special specifications according to customers'different requirements.
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Horse Type Bit 马蹄形一字钻头

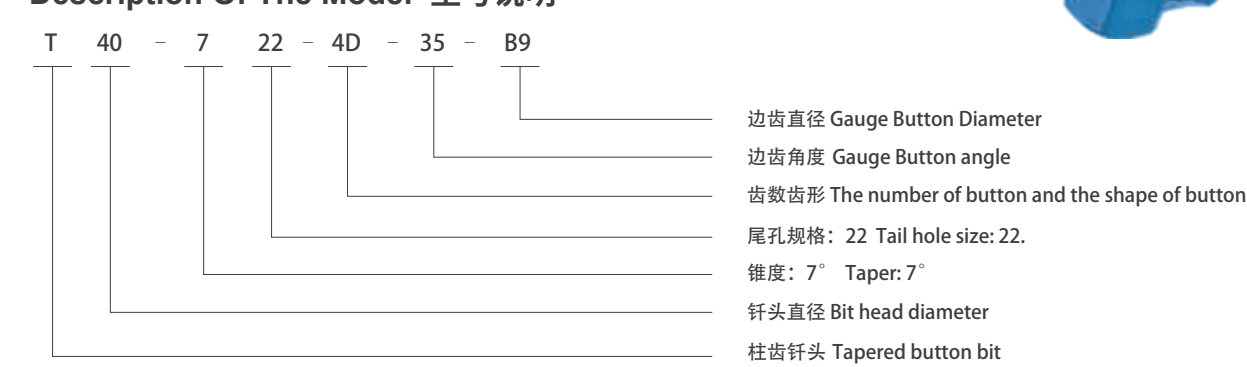
产品技术参数 Product technical parameters				
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	锥角×内径 Taper ×diam	重量 Weight (KG)
Y001	Y28-719	28	7° ×19mm	0.18
Y002	Y30-719	30	7° ×19mm	0.19
Y003	Y32-722	32	7° ×22mm	0.22
Y004	Y34-722	34	7° ×22mm	0.23
Y005	Y36-722	36	7° ×22mm	0.26
Y006	Y38-722	38	7° ×22mm	0.3
Y007	Y40-722	40	7° ×22mm	0.39
Y008	Y42-722	42	7° ×22mm	0.4
Y009	Y46-722	46	7° ×22mm	0.45
Y010	Y50-722	50	7° ×22mm	0.52
Y011	Y60-722	60	7° ×22mm	0.66
Y012	Y70-722	70	7° ×22mm	0.8
Y013	Y80-722	80	7° ×22mm	1.0
Y014	Y90-722	90	7° ×22mm	1.3
Y015	Y100-722	100	7° ×22mm	1.6



Cross Type Bit 十字形

产品技术参数 Product technical parameters				
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	锥角×内径 Taper ×diam	重量 Weight (KG)
S001	S32-722	32	7° ×22mm	0.23
S002	S34-722	34	7° ×22mm	0.25
S003	S36-722	36	7° ×22mm	0.29
S004	S38-722	38	7° ×22mm	0.33
S005	S40 -722	40	7° ×22mm	0.38
S006	S42 -722	42	7° ×22mm	0.41
S007	S46 -722	46	7° ×22mm	0.46
S008	S50 -722	50	7° ×22mm	0.54
S009	S60 -722	60	7° ×22mm	0.7

Description Of The Model 型号说明



TAPERED CONNECTION BUTTON BIT

锥体连接柱齿钎头

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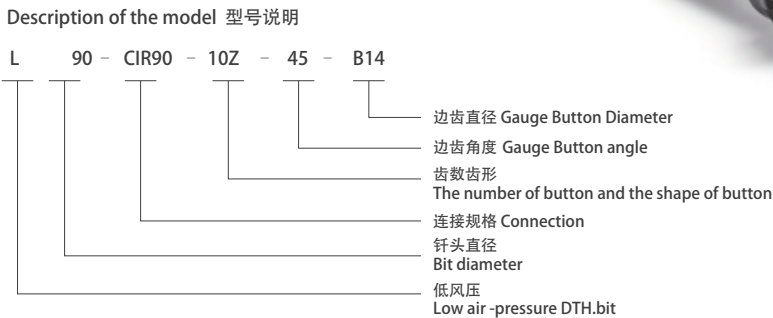
7°Tapered Drill Bits 锥度连接钎头7°

Note: The Taper Also available in 11° and 12°
备注：锥度也支持11°和12°

产品技术参数 Product technical parameters										
		钻头直径 Bit Dia.(mm)		合金齿数量×直径 NO.Button size			水孔数量 NO.Flushing Holes (PCS)			
产品编号 Number	产品型号 Model	mm	inch	边齿 Gauge	中齿 Front	边齿角度 Gauge tooth angle	侧 Side	正 Front	高度 Height (mm)	重量 Weight (KG)
T001	T28-719-4D-35-B7	28	1 1/8	3×7	1×7	35°	2	1	60	0.17
T002	T30-719-4D-35-B7	30	1 3/16	3×7	1×7	35°	2	1	60	0.20
T003	T32-722-4D-35-B7	32	1 1/4	3×7	1×7	35°	2	1	60	0.23
T004	T34-722-4D-35-B8	34	1 11/32	3×8	1×8	35°	2	1	60	0.26
T005	T36-722-4D-35-B8	36	1 7/16	3×8	1×8	35°	2	1	60	0.29
T006	T38-722-4D-35-B9	38	1 1/2	3×9	1×9	35°	2	1	60	0.35
T007	T40-722-4D-35-B9	40	1 9/16	3×9	1×9	35°	2	1	65	0.38
T008	T38-722-4D-35-B9	38	1 1/2	3×9	1×9	35°	1	1	65	0.35
T009	T40-722-4D-35-B9	40	1 9/16	3×9	1×9	35°	1	1	65	0.40
T010	T42-722-4D-35-B9	42	1 21/32	3×9	1×9	35°	1	1	65	0.41
T011	T40-722-4D-35-B9	40	1 9/16	3×9	1×9	35°	2	1	65	0.40
T012	T42-722-4D-35-B9	42	1 21/32	3×9	1×9	35°	2	1	65	0.41
T013	T30-719-6D-35-B7	30	1 3/16	4×7	2×7	35°	1	2	60	0.20
T014	T32-722-6D-35-B7	32	1 1/4	4×7	2×7	35°	1	2	60	0.23
T015	T34-722-6D-35-B7	34	1 11/32	4×7	2×7	35°	1	2	60	0.26
T016	T36-722-6D-35-B7	36	1 7/16	4×7	2×7	35°	1	2	60	0.29
T017	T38-722-6D-35-B8	38	1 1/2	4×8	2×8	35°	2	2	60	0.35
T018	T40-722-6D-35-B8	40	1 9/16	4×8	2×8	35°	2	2	65	0.38
T019	T42-722-6D-35-B8	42	1 21/32	4×8	2×8	35°	2	2	65	0.39
T020	T30-719-7D-35-B7	30	1 3/16	5×7	2×7	35°	1	1	60	0.21
T021	T32-722-7D-35-B7	32	1 1/4	5×7	2×7	35°	1	1	60	0.24
T022	T33-722-7D-35-B7	33	1 5/16	5×7	2×7	35°	1	1	60	0.26
T023	T34-722-7D-35-B7	34	1 11/32	5×7	2×7	35°	1	1	60	0.27
T024	T36-722-7D-35-B8	36	1 7/16	5×8	2×7	35°	1	1	60	0.30
T025	T38-722-7D-35-B8	38	1 1/2	5×8	2×8	35°	1	1	60	0.36
T026	T40-722-7D-35-B8	40	1 9/16	5×8	2×8	35°	1	1	60	0.38
T027	T41-725-7D-35-B9	41	1 5/8	5×9	2×8	35°	1	1	75	0.50
T028	T42-722-7D-35-B9	42	1 21/32	5×9	2×8	35°	1	1	75	0.52
T029	T50-722-7D-35-B9	50	1 24/25	4×9	3×8	35°	1	2	60	0.55
T030	T60-722-7D-35-B10	60	2 9/25	4×10	3×10	35°	1	2	80	0.75
T031	T32-722-8D-35-B7	32	1 1/4	6×7	2×7	35°	1	2	60	0.24
T032	T33-722-8D-35-B7	33	1 5/16	6×7	2×7	35°	1	2	60	0.26
T033	T34-722-8D-35-B7	34	1 11/32	6×7	2×7	35°	1	2	60	0.27
T034	T36-722-8D-35-B7	36	1 7/16	6×7	2×7	35°	1	2	60	0.30
T035	T38-722-8D-35-B8	38	1 1/2	6×8	2×8	35°	1	2	60	0.36
T036	T40-722-8D-35-B8	40	1 9/16	6×8	2×8	35°	1	2	60	0.38
T037	T42-722-8D-35-B8	42	1 21/32	6×8	2×8	35°	1	2	60	0.40

Note: In addition to the following common specifications,
can produce a variety of special specifications according to customers' different requirements.

注：除以下常用规格以外，可根据客户的不同要求生产各种特殊规格产品。



产品技术参数 Product technical parameters						
			合金齿数量×直径 NO.Button size			
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	Front button	Gauge button	连接规格 Connection	边齿角度 Gauge tooth angle
L001	L76-CIR76-9Z-45-B12	76	3×12	6x12	CIR76	45°
L002	L80-CIR76-9Z-45-B12	80	3×12	6x12	CIR76	45°
L003	L90-CIR90-10Z-45-B14	90	2×13 / 2×14	6x14	CIR90	45°
L004	L100-CIR90-11Z-45-B14	100	3×12 / 2×14	6x14	CIR90	45°
L005	L110-CIR90-13Z-45-B14	110	4×12 / 3×14	6x14	CIR90	45°
L006	L120-CIR90-14Z-45-B14	120	5×12 / 3×14	6x14	CIR90	45°
L007	L130-CIR90-15Z-45-B14	130	5×12 / 3×14	7x14	CIR90	45°
L008	L130-CIR90-15Z-45-B14	130	5×12 / 3×14	7x14	CIR90	45°
L009	L120-CIR110-14Z-45-B14	120	5×12 / 3×14	6x14	CIR110	45°
L010	L130-CIR110-15Z-45-B14	130	5×12 / 3×14	7x14	CIR110	45°
L011	L140-CIR110-15Z-45-B14	140	5×12 / 3×14	7x14	CIR110	45°
L012	L150-CIR110-19Z-45-B14	150	4×12 / 6×14	9x14	CIR110	45°
L013	L160-CIR110-19Z-45-B16	160	4×14 / 6×14	9x16	CIR110	45°
L014	L170-CIR110-19Z-45-B16	170	4×14 / 6×14	9x16	CIR110	45°
L015	L150-CIR150-19Z-45-B16	150	4×14 / 6×14	9x16	CIR150	45°
L016	L165-CIR150-20Z-45-B16	165	5×14 / 6×14	9x16	CIR150	45°
L017	L175-CIR150-20Z-45-B16	175	6×14 / 5×14	9x16	CIR150	45°
L018	L185-CIR150-22Z-45-B16	185	7×14 / 6×14	9x16	CIR150	45°
L019	L110-110P-15Z-45-B14 (Russian 俄式)	110	7×12 / 7×12	8x14 / 8x12	110P	45°

Note: In addition to the following common specifications,
 can produce a variety of special specifications according
 to customers' different requirements.

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产品技术参数								Product technical parameters		
Item#	Hammer length weight bit (mm)	Top Sub Thread	Outside Diameter (mm)	Weight (KG)	Bit Diameter (mm)	Working pressure (Bar)	(PSI)	Air Consumption (m³/min)	(CFM)	Bit shank
CIR50	628	F32*8PIN	44	5	50	4-10	58-145	3-5	105.177	CIR50
CIR60	777	F42*8PIN	53	7.5	60	4-10	58-145	3-7	105-248	CIR60
CIR65	745	F42*10PIN	61	13	65	4-10	58-145	6-12	210-424	CIR65
CIR76A	811	F48*10PIN	66	13.5	76	4-10	58-145	6-10	210-353	CIR70
CIR90A	855	F48*10PIN	80	22	90-120	5-10	72-145	7-12	247-424	CIR90
CIR110B	871	API 2 3/8"REG BOX	96	33	110-150	5-10	72-145	7-12	247-424	CIR110
110P	663	72x10	98	24.6	110-130	5	72	7	247	110P
CIR130B	890	API 2 3/8 REG BOX	112	48.5	130-175	5-10	72-145	7-12	247-424	CIR130
CIR150A	904	F70*10PIN	136	70	150-200	5-10	72-145	10-16	353-565	CIR150
CIR170A	1030	F100*28PIN	156	96	170-250	5-10	72-145	12-18	424-635	CIR170
CIR200A	1058	F100*28PIN	182	130	200-250	5-10	72-145	16-20	565-706	CIR200

BIT FACE SHAPE SELECTION

钻头头部形状选择



Drop Center Bit 中心下陷型

采用低-中风压钻凿软-中硬以及有裂缝的岩层时，为了获得更快的凿岩速度和较少炮孔的偏斜率，通常采用这种头部形状。
For high penetration rates in soft to medium hard and fissured rock formations.Low to medium air pressures. Maximum hole deviation control.



Concave Face 凹面型

这种头部形状适用于所有岩层，特别是在中硬和岩性均匀的岩层中使用效果最好。炮仗偏离角度小。排渣效果好。
The all-round application bit face specifically for medium hard and homogenous rock formations. Good hole deviation control and good Flushing capacity.



Convex Face 凸面型

这种形状适用于低-中风压时候钻凿软-中硬岩层，钻头钢体不易腐蚀，其特点是边齿承载较低，磨损不严重，钻岩速度快，但炮孔偏差难以控制。
For high penetration rates in soft to medium-hard with low to medium air pressures.It is the most resistance to steel wash. And may reduce the Load and wear on the gauge buttons, but poor hole Deviation control.



Double Gauge Face 双边齿型

这种双边齿形头部适用于高压时钻凿很坚硬的岩层。此时钻速快，钻头磨损不严重。
This kind of face shape is suitable for fast penetration rates in medium to hard rock formations.Designed for high air pressures and Good resistance to steel wash step gauge bit.

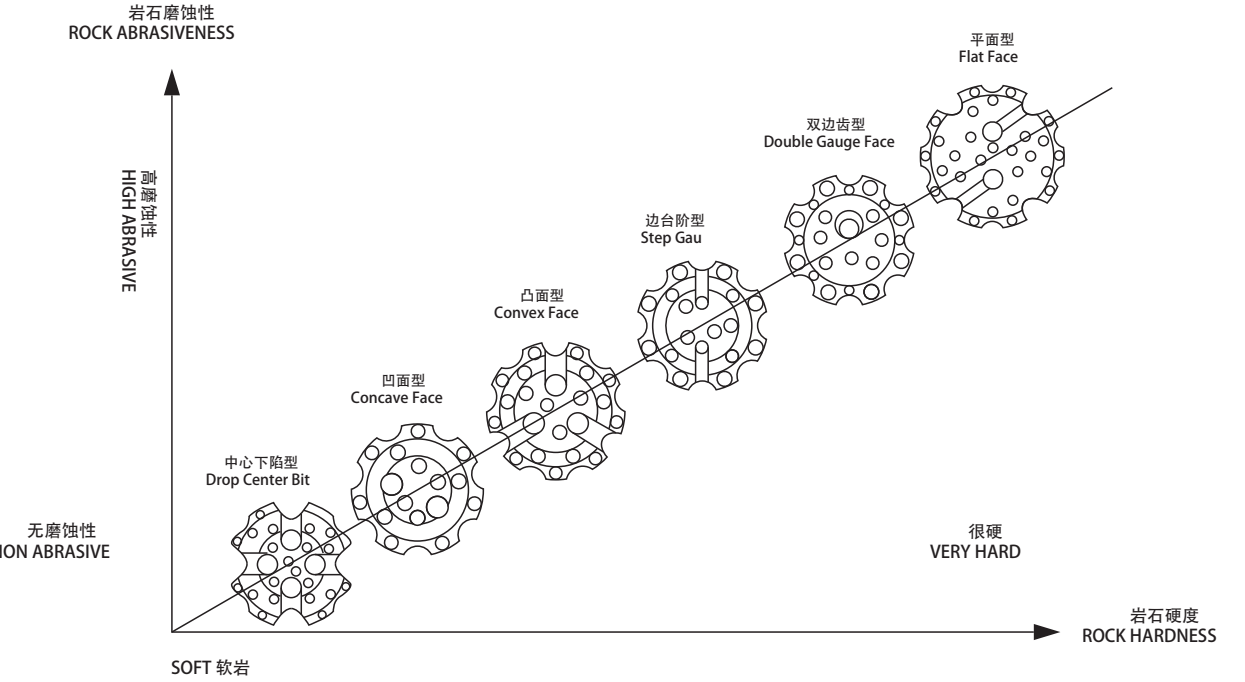


Flat Face Bit 平面型

这种平面型头部适用于高压时钻凿坚硬岩层以及腐蚀性强的岩层。此时，钻速较快，钻头腐蚀较少。
This kind of face shape is suitable for hard to very hard and abrasive rock formations in Applications With high air pressures.Good penetration Rates and resistance to steel wash.

BIT FACE SHAPE SELECTION

钻头头部形状选择



CARBIDE BUTTON SHAPE SELECTION

硬质合金齿形选择



Domed/Round Button 球齿

主要用作潜孔钻头边齿，适用于磨蚀性强非常坚硬的岩石。
Domed/Round Button are usually used as gauge buttons of DTH Bits,suitable for very abrasive and very hard formations.



Parabolic Button 抛物线齿

主要用作潜孔钻头边齿和中齿，磨蚀性中等，比较硬的岩石。
Parabolic Button are usually used as gauge buttons and front buttons of DTH Bits,suitable for medium abrasive and hard formations.



Ballistic Button 弹头齿

主要用作潜孔钻头的中齿，适用于磨蚀性中等，硬度中等的岩石。岩石比较软的情况下也可以做边齿。
Ballistic Buttons are usually used as front button of DTH Bits, suitable for medium abrasive and medium hard formations. They can also be used as gauge Buttons if the rock is soft.



Sharp Button 尖齿

主要用作潜孔钻头的中齿，适用于高钻速，低断齿率的软岩层。
sharp Buttons are usually used as front buttons of DTH Bits for soft formations where fast penetration rates are possible and button breakage is minimal.



Flat Button 平头齿

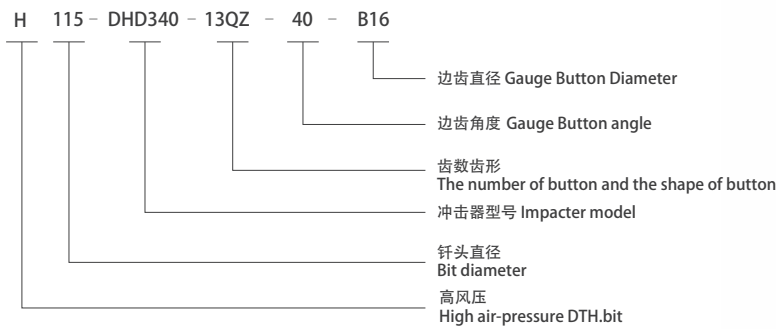
主要用作潜孔钻头的中齿，减小钻头体表面的磨损。
Flat buttons are usually used as protection buttons reduce wear on rubbing surfaces of DTH Bits.

HIGH AIR PRESSURE DTH DRILL BIT

高风压潜孔钻头

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can produce a variety of special specifications according to customers'different requirements.
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Description of the model 型号说明



3" Dth Drill Bit 3英寸潜孔钻头

Note: Also available in BR3, COP32, QL30 link structure. 注：另有BR3, COP32, QL30链接结构提供

		钻头直径 Bit Dia.(mm)		合金齿数量×直径 NO.Button size					
产品编号 Number	产品型号 Model	mm	in	Gauge button	Mid button	Front button	边齿角度 Gauge tooth angle	水孔数量 NO.Flushing Holes (PCS)	重量 Weight (KG)
H001	H90-DHD3.5-10QZ-40-B14	90	3 9/16	6*14		4*12	40°	2	4.8
H002	H95-DHD3.5-12QZ-40-B14	95	3 3/4	7*14		5*12	40°	2	5
H003	H100-DHD3.5-12QZ-40-B14	100	3 15/16	7*14		5*14	40°	2	5.3
H004	H105-DHD3.5-12QZ-40-B14	105	4 1/8	7*14		5*14	40°	2	5.5
H005	H110-DHD3.5-13QZ-40-B14	110	4 1/3	7*14		6*14	40°	2	5.8

4" Dth Drill Bit 4英寸潜孔钻头

Note: Also available in Mission 40, QL40, S40, K4 link structure. 注：另有Mission 40, QL40, S40, K4 链接结构提供

		钻头直径 Bit Dia.(mm)		合金齿数量×直径 NO.Button size					
产品编号 Number	产品型号 Model	mm	in	Gauge button	Mid button	Front button	边齿角度 Gauge tooth angle	水孔数量 NO.Flushing Holes (PCS)	重量 Weight (KG)
H006	H105-DHD340-13QZ-40-B14	105	4 1/8	7*14	4*14	2*14	38°	2	7.6
H007	H110-DHD340-13QZ-40-B16	110	4 5/16	7*16	4*14	2*14	38°	2	7.8
H008	H115-DHD340-13QZ-40-B16	115	4 1/2	7*16	4*14	2*14	38°	2	8.2
H009	H120-DHD340-13QZ-40-B16	120	4 3/4	7*16	4*14	2*14	38°	2	8.7
H010	H125-DHD340-14QZ-40-B16	125	4 15/16	7*16	4*14	3*14	38°	2	8.9
H011	H130-DHD340-14QZ-40-B16	130	5 1/8	7*16	4*14	3*14	38°	2	9.4
H012	H140-DHD340-14QZ-40-B18	140	5 1/2	7*18	4*14	3*14	38°	2	9.8
H013	H150-DHD340-16QZ-40-B18	150	6	8*18	5*14	3*14	38°	2	10.3

HIGH AIR PRESSURE DTH DRILL BIT

高风压潜孔钻头

Note: In addition to the following common specifications,
can produce a variety of special specifications according to customers'different requirements.
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5" Dth Drill Bit 5英寸潜孔钻头

Note: Also available in Mission 50, QL50, QSS50, K5 link structure. 注：另有Mission 50, QL50, QSS50, K5 链接结构提供

		钻头直径 Bit Dia.(mm)		合金齿数量×直径 NO.Button size					
产品编号 Number	产品型号 Model	mm	in	Gauge button	Mid button	Front button	边齿角度 Gauge tooth angle	水孔数量 NO.Flushing Holes (PCS)	重量 Weight (KG)
H014	H132-DHD350-14QZ-40-B18	132	5 3/16	7*18	4*15	3*14	40°	2	14.9
H015	H138-DHD350-14QZ-40-B18	138	5 1/2	7*18	4*15	3*14	40°	2	15.2
H016	H146-DHD350-16QZ-40-B18	146	5 3/4	8*18		8*14	40°	2	15.8
H017	H152-DHD350-16QZ-40-B18	152	6	8*18		8*14	40°	2	18.2
H018	H165-DHD350-19QZ-40-B18	165	6 1/2	9*18	6*16	4*16	40°	3	22
H019	H180-DHD350-19QZ-40-B18	180	7 7/8	9*18	6*16	4*16	40°	3	19.5
H020	H190-DHD350-19QZ-40-B18	190	7 1/2	9*18	6*16	4*16	40°	3	22.5
H021	H195-DHD350-19QZ-40-B18	195	7 11/16	9*18	6*16	4*16	40°	3	22.9

6" Dth Drill Bit 6英寸潜孔钻头

Note: Also available in Mission 60, QL60, SD6, K6 link structure. 注：另有Mission 60, QL60, SD6, K6 链接结构提供

		钻头直径 Bit Dia.(mm)		合金齿数量×直径 NO.Button size					
产品编号 Number	产品型号 Model	mm	in	Gauge button	Mid button	Front button	边齿角度 Gauge tooth angle	水孔数量 NO.Flushing Holes (PCS)	重量 Weight (KG)
H022	H152-DHD360-16QZ-40-B18	152	6 1/16	8*18		8*16	40°	2	22.9
H023	H165-DHD360-16QZ-40-B18	165	6 1/2	8*18		8*16	40°	2	23.3
H024	H180-DHD360-19QZ-40-B18	180	7 1/16	9*18	6*16	4*16	40°	3	25.8
H025	H190-DHD360-19QZ-40-B18	190	7 1/2	9*18	6*16	4*16	40°	3	28
H026	H195-DHD360-19QZ-40-B18	195	7 5/8	9*18	6*16	4*16	40°	3	29.7
H027	H203-DHD360-24QZ-40-B18	203	8	10*18	8*18	6*16	40°	2	31
H028	H216-DHD360-24QZ-40-B18	216	8 1/2	10*18	8*18	6*16	40°	2	33.6

8" Dth Drill Bit 8英寸潜孔钻头

Note: Also available in Mission 80, QL80, SD8, K8 link structure. 注：另有Mission 80, QL80, SD8, K8 链接结构提供

		钻头直径 Bit Dia.(mm)		合金齿数量×直径 NO.Button size					
产品编号 Number	产品型号 Model	mm	in	Gauge button	Mid button	Front button	边齿角度 Gauge tooth angle	水孔数量 NO.Flushing Holes (PCS)	重量 Weight (KG)
H029	H203-DHD380-24QZ-40-B18	203	8	10*18	8*18	6*16	40°	2	47.8
H030	H216-DHD380-24QZ-40-B18	216	8 1/2	10*18	8*18	6*16	40°	2	52.9
H031	H219-DHD380-24QZ-40-B18	219	8 5/8	10*18	8*18	6*16	40°	2	54
H032	H229-DHD380-25QZ-40-B18	229	9	10*18	8*18	7*16	40°	2	57
H033	H235-DHD380-32QZ-40-B18	235	9 1/4	12*18	12*18	8*16	40°	2	57.5
H034	H254-DHD380-32QZ-40-B18	254	10	12*18	12*18	8*16	40°	2	61
H035	H278-DHD380-41QZ-40-B18	278	11	12*18	20*18	9*16	40°	2	71

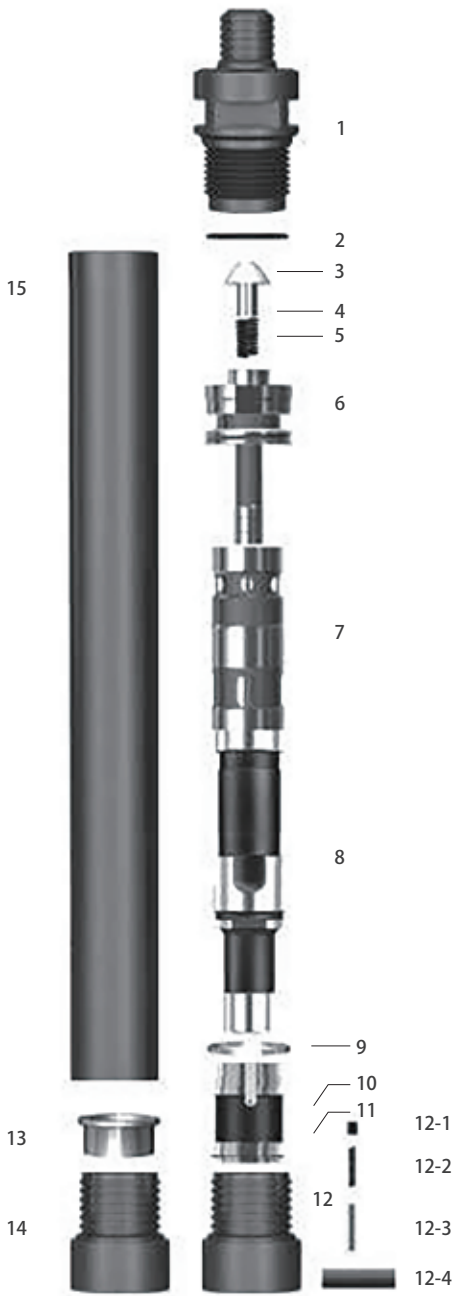


MEDIUM/HIGH AIR
PRESSURE DTH HAMMER
中/高风压潜孔冲击器

MEDIUM AIR PRESSURE DTH HAMMER
中风压冲击器
M3

零部件名称 Item Description	重量 Weight (KG)	零部件代号 Part Number
1、后接头 Top Sub	2.85	M3-01
2、接头O型圈 “O” -Ring of Top Sub	0.01	M3-02
3、顶头 Cap	0.05	M3-03
4、逆止阀 Check Valve	0.2	M3-04
5、弹簧 Spring	0.015	M3-05
6、阀座 Air distributor	1.2	M3-06
7、气缸 Cylinder	1	M3-07
8、活塞 Piston	4.8	M3-08
9、卡簧 Card reed	0.15	M3-09
10、导向套 Guide sleeve	0.85	M3-10
11、O型圈 “O” Ring	0.01	M3-11
12、前接头 Driver chuck	1.9	M3-12
13、卡环 Stop Ring	0.3	M3-13
14、前接头 Driver chuck	1.9	M3-14
15、外套管 Outer sleeve	8.5	M3-15

产品参数 Product data	
总长（不含钻头）Length(Without bit)	781mm
后接头螺纹 Connection Thread	F48x10PIN
外径 Outside diameter	82(mm)
重量（不含钻头）Weight(Without bit)	24(KG)
钻头直径 Drill diameter.	90-120(mm)
工作风压 Working air pressure.	10-13(Bar)
耗气量 Gas consumption	8-10(M ³ /min)
钻头尾柄 Drill bit shank	CI90/M3



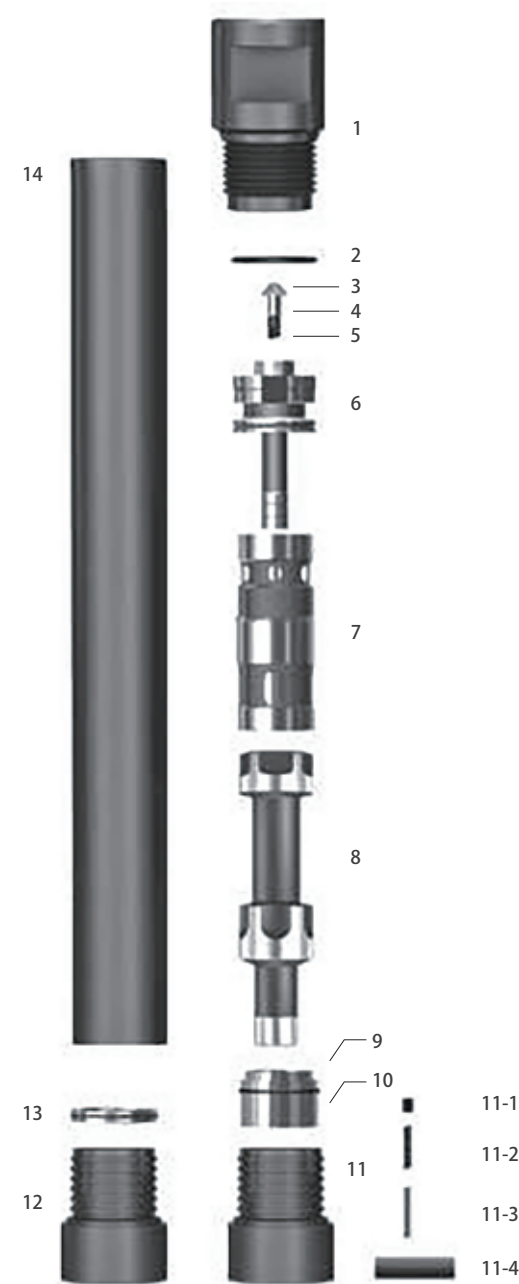
MEDIUM AIR PRESSURE DTH HAMMER

中风压冲击器

M4

零部件名称 Item Description	重量 Weight (KG)	零部件代号 Part Number
1、后接头 Top Sub	4	M4-01
2、接头O型圈 “O” -Ring of Top Sub	0.01	M4-02
3、顶头 Cap	0.1	M4-03
4、逆止阀 Check Valve	0.28	M4-04
5、弹簧 Spring	0.02	M4-05
6、阀座 Air distributor	1.7	M4-06
7、气缸 Cylinder	1.5	M4-07
8、活塞	6.8	M4-08
9、导向套 Guide sleeve	1.2	M4-09
10、O型圈 “O” Ring	0.015	M4-10
11、前接头 Driver chuck	2.7	M4-11
12、卡环 Stop Ring	0.4	M4-12
13、前接头 Driver chuck	2.7	M4-13
14、外套管 Outer sleeve	12	M4-14

产品参数 Product data	
总长（不含钻头）Length(Without bit)	848mm
后接头螺纹 Connection Thread	API 2 3/8", REG BOX
外径 Outside diameter	104(mm)
重量（不含钻头）Weight(Without bit)	34(KG)
钻头直径 Drill diameter.	115-150(mm)
工作风压 Working air pressure.	10-13(Bar)
耗气量 Gas consumption	8-12(M ³ /min)
钻头尾柄 Drill bit shank	CIR110/M4



HIGH AIR PRESSURE DTH HAMMER

高风压冲击器

The characteristics of High air pressure DTH hammer without foot valve.
无尼龙管潜孔冲击器的特点：

It is kind of high air pressure down the hole hammer,without foot valve,The drilling speed is higher than the hammer with foot valve.And more energy efficient.It is one of the most advanced DTHhammers in the word .

- It has the following characteristics:
- 1.Speed increase 15%~30% than the hammer with foot valve.
 - 2.Bits without nylon tube,The problems caused by rupture of nylon tube,expansin,sepansion and shrinkage will be avoided.
 - 3.Low gas consumption,energy saving 10%.
 - 4.This hammer has simple strcture,good reliability and long service life.

该冲击器所使用的钻头无尼龙管，其性能上对比同类有尼龙管的冲击器有许多优势。

- 主要优点：
- 1.钻进速度高，相对同类带尼龙管的冲击器效率提高15%~30%。
 - 2.所使用的钻头无尼龙管，避免了很多由于尼龙管受热膨胀，断裂而引发的一系列问题。
 - 3.耗气量低，比同类有尼龙管冲击器省油10%。
 - 4.结构简单，各部位可靠性好，使用寿命长。

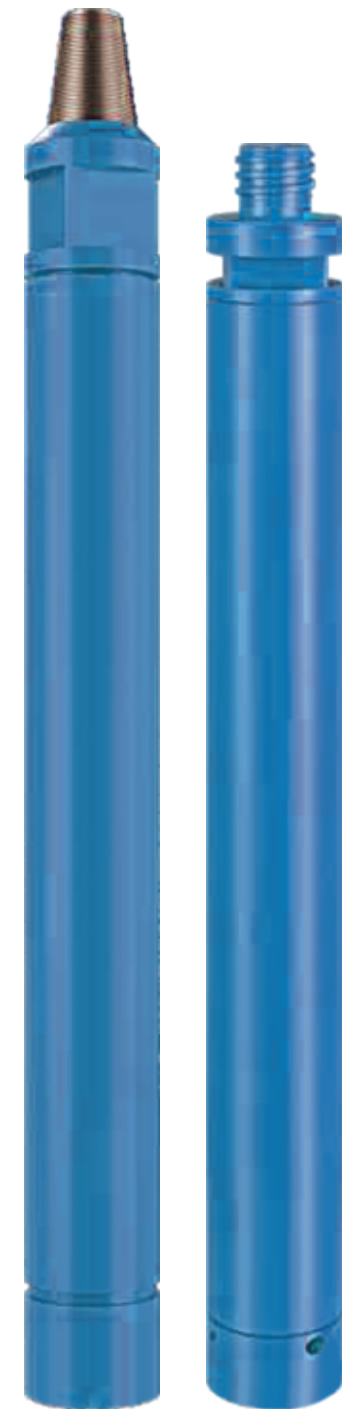
The characteristics of High air pressure DTH hammer with foot valve.
有尼龙管潜孔冲击器的特点：

It is kind of valveless high air pressure down the hole hammer,with foot valve,This hammer operation is more easily to use, It can reduce the failure caused by the operator’ s oeration error.

- It has the following characteristics:
- 1.valveless air distribution,more reliable.
 - 2.the piston has a simple design,long life.
 - 3.Long service life and low failure rate.
 - 4.Simple operation and easy to use.

这是一种无阀的冲击器，使用的钻头携带尼龙管，该冲击器操作简单，故障率低。

- 主要优点：
- 1.采用无阀方式配气，配气可靠。
 - 2.活塞结构简单不易损坏。
 - 3.工作寿命长，故障率低，维修方便。
 - 4.操作方便，易于使用，减少由于操作问题导致的冲击器返水返砂。



HIGH AIR PRESSURE DTH HAMMER

潜孔冲击器

HD-35A

零部件名称 Item Description	重量 Weight (KG)	零部件代号 Part Number
1、后接头 Top Sub	4.20	HD35A-01
2、接头O型圈 “O” -Ring of Top Sub	0.01	HD35A-02
3、逆止阀 Check Valve	0.20	HD35A-03
4、弹簧 Spring	0.02	HD35A-04
5、配气座 Air Distributor	0.80	HD35A-05
6、内缸 Internal Cylinder	1.30	HD35A-06
7、活塞 Piston	5.50	HD35A-07
8、外缸 External Cylinder	9.50	HD35A-08
9、衬套 Guided Sleeve	1.00	HD35A-09
10、卡环O型圈 “O” Ring of Stop Ring	0.15	HD35A-10
11、卡环 Stop Ring	0.15	HD35A-11
12、卡钎套 Driver Chuck	1.90	HD35A-12
13、钻头 Drill Bit		HD35A-13

产品参数 Product data		
总长（不含钻头）Length(Without bit)	888mm	
重量（不含钻头）Weight(Without bit)	25.0Kg	
可配钎头尾柄尾 Bits shank	Cop34/HD35/DHD3.5	
冲击器外径 External diameter	Φ82mm	
钻孔范围 Bits diameter	Φ90-Φ115mm	
后接头螺纹 Connection Thread	API 2 3/8"Reg	
可用工作压力 Working Pressure	1.0-2.5Mpa	
在1.7Mpa时的冲击频率 Impace rate at.1.7Mpa	25Hz	
推荐转速 Recommended rotation speed	25-40r/min	
耗风量 Air consumption	1. 0Mpa	1. 5Mpa
	4. 5m³/min	9m³/min

Note:
The following parameters take DHD3.5 without foot valve DTH hammer as an example.
We also can provide Mission30 , Cop32 , QL30 , BR3 series DTH hammers to you.



HIGH AIR PRESSURE DTH HAMMER

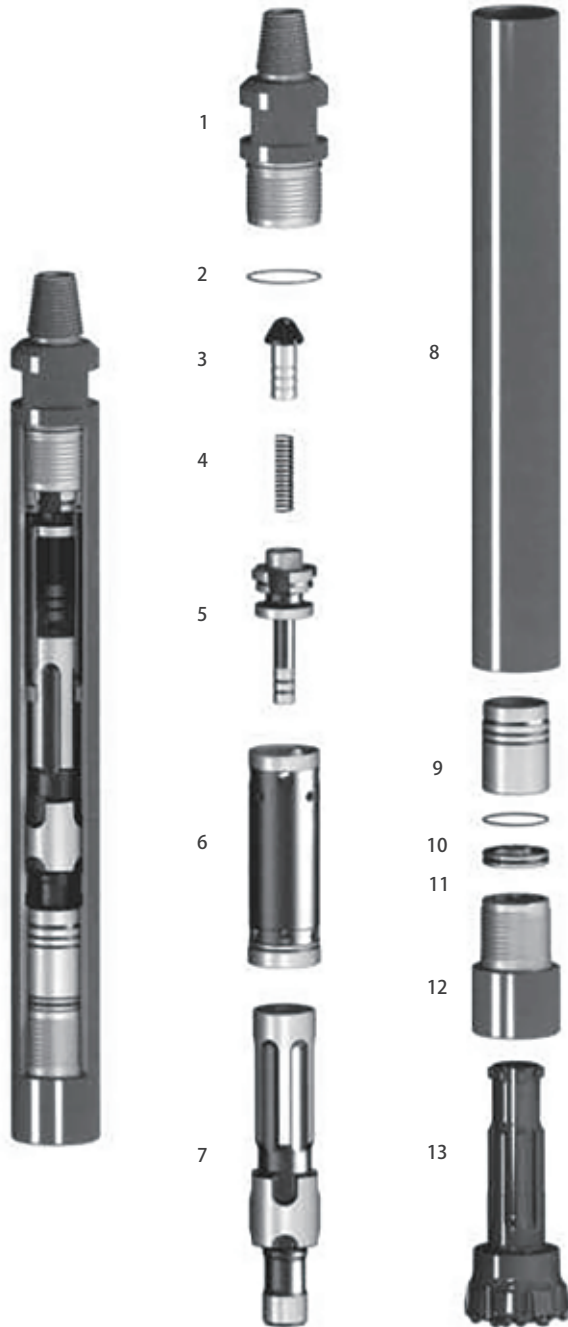
潜孔冲击器

HD-45A

零部件名称 Item Description	重量 Weight (KG)	零部件代号 Part Number
1、后接头 Top Sub	6.5	HD45A-01
2、接头O型圈 “O” -Ring of Top Sub	0.01	HD45A-02
3、逆止阀 Check Valve	0.42	HD45A-03
4、弹簧 Spring	0.04	HD45A-04
5、配气座 Air Distributor	2.20	HD45A-05
6、内缸 Internal Cylinder	2.3	HD45A-06
7、活塞 Piston	9	HD45A-07
8、外缸 External Cylinder	15	HD45A-08
9、衬套 Guided Sleeve	1.3	HD45A-09
10、卡环O型圈 “O” Ring of Stop Ring	0.1	HD45A-10
11、卡环 Stop Ring	0.2	HD45A-11
12、卡钎套 Driver Chuck	3.5	HD45A-12
13、钻头 Drill Bit		HD45A-13

产品参数 Product data		
总长（不含钻头）Length(Without bit)	1011mm	
重量（不含钻头）Weight(Without bit)	43.2Kg	
可配钎头尾柄尾 Bits shank	Cop44/DHD340/HD45	
冲击器外径 External diameter	Φ99mm	
钻孔范围 Bits diameter	Φ110-Φ135mm	
后接头螺纹 Connection Thread	API 2 3/8"Reg	
可用工作压力 Working Pressure	1.0-3.0Mpa	
在1.7Mpa时的冲击频率 Impace rate at.1.7Mpa	30Hz	
推荐转速 Recommended rotation speed	25-40r/min	
耗风量 Air consumption	1.0Mpa	1.8Mpa
	6m³/min	10m³/min

Note:
The following parameters take DHD340A without foot valve DTH hammer as an example.
We also can provide Mission40 , Cop44 , QL40 , SD4 series DTH hammers to you.



HIGH AIR PRESSURE DTH HAMMER

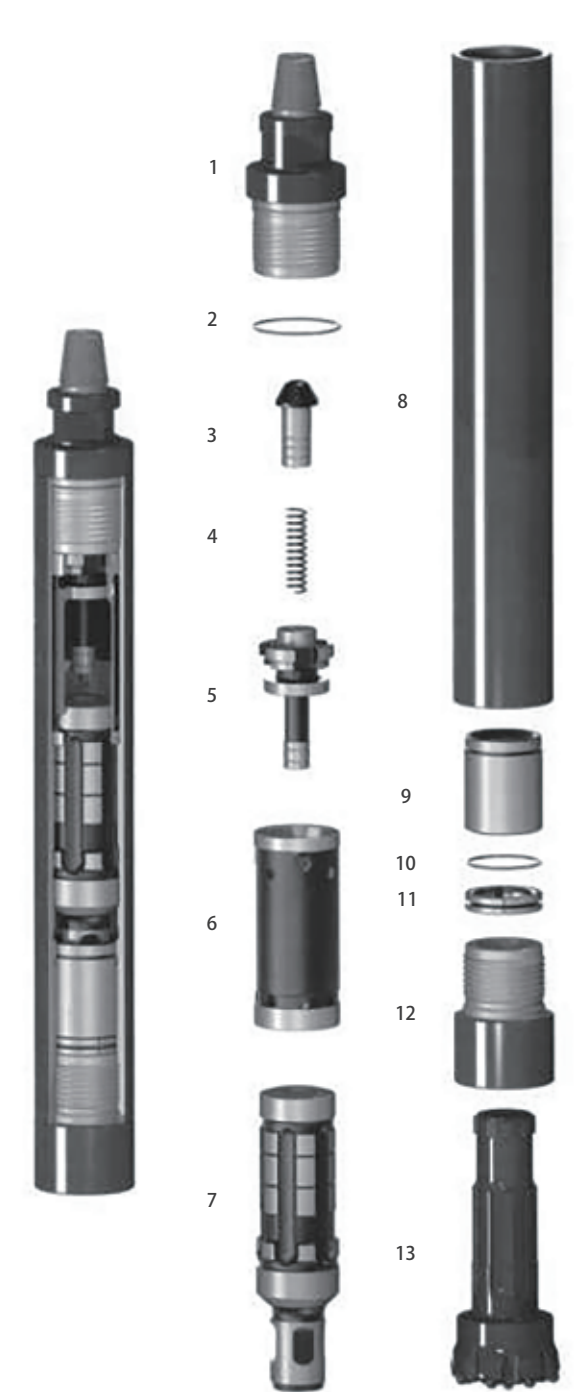
潜孔冲击器

HD-55A

零部件名称 Item Description	重量 Weight (KG)	零部件代号 Part Number
1、后接头 Top Sub	13.7	HD55A-01
2、接头O型圈 “O” -Ring of Top Sub	0.01	HD55A-02
3、逆止阀 Check Valve	0.7	HD55A-03
4、弹簧 Spring	0.1	HD55A-04
5、配气座 Air Distributor	2.00	HD55A-05
6、内缸 Internal Cylinder	2.8	HD55A-06
7、活塞 Piston	15	HD55A-07
8、外缸 External Cylinder	24	HD55A-08
9、衬套 Guided Sleeve	2.6	HD55A-09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HD55A-10
11、卡环 Stop Ring	0.5	HD55A-11
12、卡钎套 Driver Chuck	6.5	HD55A-12
13、钻头 Drill Bit		HD55A-13

产品参数 Product data		
总长（不含钻头）Length(Without bit)	1110mm	
重量（不含钻头）Weight(Without bit)	69.0Kg	
可配钎头尾柄尾 Bits shank	Cop54/DHD350/HD55	
冲击器外径 External diameter	Φ125mm	
钻孔范围 Bits diameter	Φ135-Φ155mm	
后接头螺纹 Connection Thread	API 2 3/8"Reg	
可用工作风压 Working Pressure	1.0-3.0Mpa	
在1.7Mpa时的冲击频率 Impace rate at.1.7Mpa	28Hz	
推荐转速 Recommended rotation speed	25-35r/min	
耗风量 Air consumption	1.5Mpa	2.4Mpa
	15m ³ /min	23m ³ /min

Note:
The following parameters take DHD350A without foot valve DTH hammer as an example.
We also can provide Mission50 , Cop54 , QL50 , SD5 series DTH hammers to you.



HIGH AIR PRESSURE DTH HAMMER

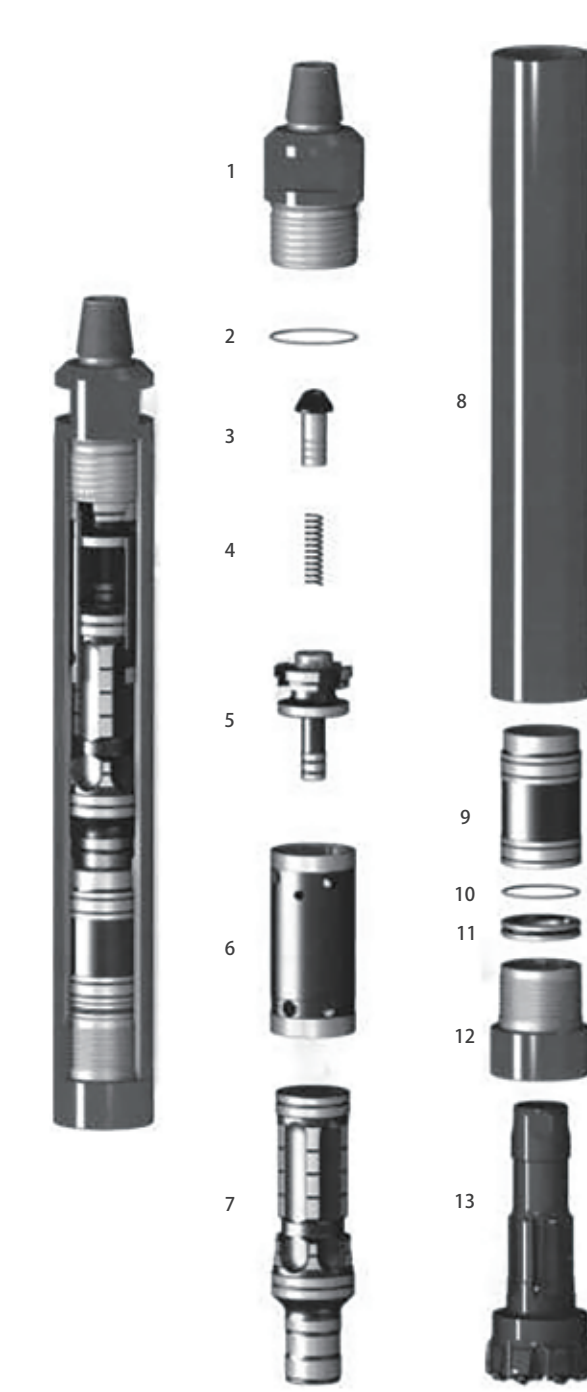
潜孔冲击器

HD-65A

零部件名称 Item Description	重量 Weight (KG)	零部件代号 Part Number
1、后接头 Top Sub	20	HD65A-01
2、接头O型圈 “O” -Ring of Top Sub	0.02	HD65A-02
3、逆止阀 Check Valve	0.7	HD65A-03
4、弹簧 Spring	0.1	HD65A-04
5、配气座 Air Distributor	3.50	HD65A-05
6、内缸 Internal Cylinder	4.2	HD65A-06
7、活塞 Piston	23	HD65A-07
8、外缸 External Cylinder	31.5	HD65A-08
9、衬套 Guided Sleeve	6.5	HD65A-09
10、卡环O型圈 “O” Ring of Stop Ring	0.01	HD65A-10
11、卡环 Stop Ring	0.6	HD65A-11
12、卡钎套 Driver Chuck	6	HD65A-12
13、钻头 Drill Bit		HD65A-13

产品参数 Product data		
总长（不含钻头）Length(Without bit)	1238mm	
重量（不含钻头）Weight(Without bit)	98.0Kg	
可配钎头尾柄尾 Bits shank	Cop64/DHD360/HD65	
冲击器外径 External diameter	Φ148mm	
钻孔范围 Bits diameter	Φ155-Φ203mm	
后接头螺纹 Connection Thread	API 3 1/2"Reg	
可用工作风压 Working Pressure	1.0-3.0Mpa	
在1.7Mpa时的冲击频率 Impace rate at.1.7Mpa	25Hz	
推荐转速 Recommended rotation speed	20-30r/min	
耗风量 Air consumption	1.8Mpa	2.4Mpa
	20m ³ /min	28.5m ³ /min

Note:
The following parameters take DHD360A without foot valve DTH hammer as an example.
We also can provide Mission60 , Cop64 , QL60 , SD6 series DTH hammers to you.



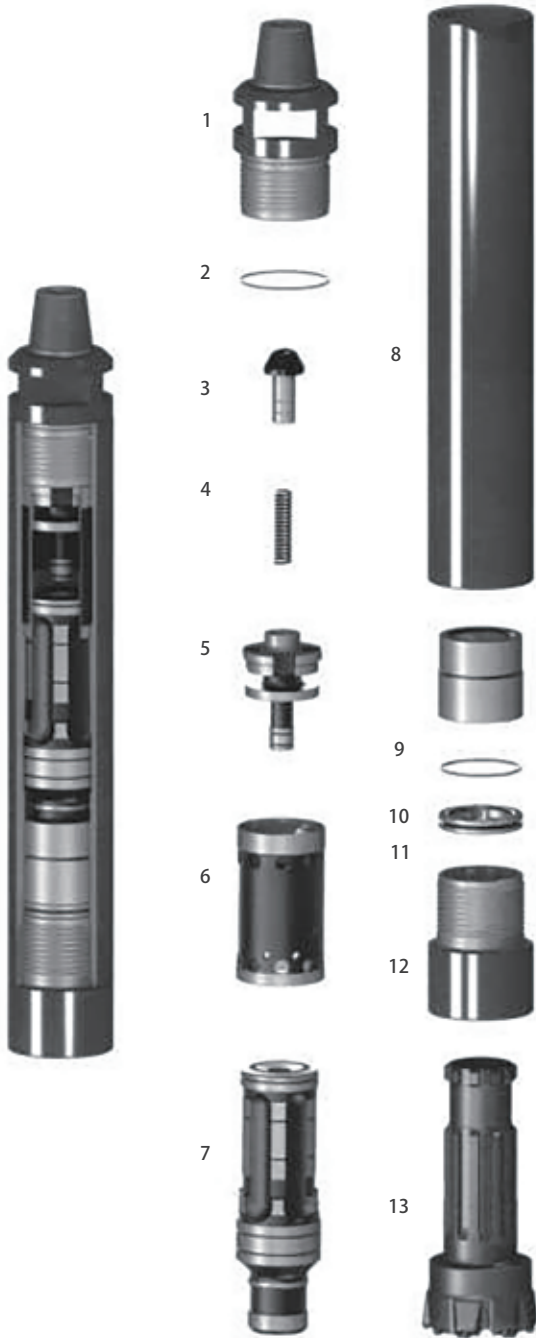
HIGH AIR PRESSURE DTH HAMMER
潜孔冲击器

HD-85A

零部件名称 Item Description	重量 Weight (KG)	零部件代号 Part Number
1、后接头 Top Sub	34	HD85A-01
2、接头O型圈 “O” -Ring of Top Sub	0.015	HD85A-02
3、逆止阀 Check Valve	1.2	HD85A-03
4、弹簧 Spring	0.1	HD85A-04
5、配气座 Air Distributor	6.00	HD85A-05
6、内缸 Internal Cylinder	6.5	HD85A-06
7、活塞 Piston	42.5	HD85A-07
8、外缸 External Cylinder	60	HD85A-08
9、衬套 Guided Sleeve	5.3	HD85A-09
10、卡环O型圈 “O” Ring of Stop Ring	0.1	HD85A-10
11、卡环 Stop Ring	1.2	HD85A-11
12、卡钎套 Driver Chuck	17.5	HD85A-12
13、钻头 Drill Bit		HD85A-13

产品参数 Product data		
总长（不含钻头）Length(Without bit)	1358mm	
重量（不含钻头）Weight(Without bit)	175.0Kg	
可配钎头尾柄尾 Bits shank	Cop84/DHD380/HD85	
冲击器外径 External diameter	Φ 180mm	
钻孔范围 Bits diameter	Φ 195 – Φ 254mm	
后接头螺纹 Connection Thread	API 4 1/2”Reg	
可用工作风压 Working Pressure	1. 0–3.0Mpa	
在1.7Mpa时的冲击频率 Impace rate at.1.7Mpa	22Hz	
推荐转速 Recommended rotation speed	15-25r /min	
耗风量 Air consumption	1.8Mpa	2.4Mpa
	26m ³ /min	34m ³ /min

Note:
The following parameters take DHD380A without foot valve DTH hammer as an example.
We also can provide Mission80 , Cop84 , QL80 , SD8 series DTH hammers to you.



THREAD
BUTTON BIT
液压台车钻头



ROPE STANDARD THREAD BUTTON BITS

常规波形螺纹钻头



Description of the model 型号说明

R45 - R32 - 9D - 35 - B10

R

45

-

R

32

-

9D

-

35

-

B10

边齿合金直径10mm
The gauge button diameter is 10mm.

边齿合金角度
Gauge tooth alloy angle

9=合金数量 D=合金形状
9 - Number of alloys D- alloy type

螺纹公径为 32mm
Thread Dia 32mm

R=波形螺纹
R=Rope Thread

头部直径为45mm
Bit Dia 45mm

螺纹钻头
Thread Bits

TRAPEZOIDAL STANDARD THREAD BUTTON BITS

常规梯形螺纹钻头

Description of the model 型号说明

R89 - T45 - 13D - 35 - B13

R

89

-

T

45

-

13D

-

35

-

B13

边齿合金直径13mm
The gauge button diameter is 13mm.

边齿合金角度
Gauge tooth alloy angle

13=合金数量 D=合金形状
13 - Number of alloys D- alloy type

螺纹公径为 45mm
Thread Dia 45mm

T=梯形螺纹
T=Trapezoidal thread

头部直径为89mm
Bit Dia 89mm

螺纹钻头
Thread Bits



产品技术参数 Product technical parameters									
				合金齿数量×直径 NO.Button size		水孔数量 NO.Flushing Holes (PCS)			重量 Weight (KG)
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	螺纹 Thread	边齿 Gauge	中齿 Front	边齿角度 Gauge tooth angle	侧 Side	正 Front	
R001	R33-R22-7D-35-B7	33	R22	5×7	2×7	35°	2	1	0.4
R002	R35-R25-7D-35-B8	35	R25	5×8	2×7	35°	2	1	0.4
R003	R38-R25-7D-35-B8	38	R25	5×8	2×7	35°	1	2	0.5
R004	R41-R25-7D-35-B9	41	R25	5×9	2×8	35°	1	2	0.55
R005	R41-R28-7D-35-B9	41	R28	5×9	2×8	35°	1	2	0.55
R006	R41-R32-7D-35-B9	41	R32	5×9	2×9	35°	2	1	0.55
R007	R43-R32-9D-30-B9	43	R32	6×9	3×8	30°	1	2	0.67
R008	R45-R28-9D-35-B10	45	R28	6×10	3×8	35°	3	1	0.8
R009	R45-R32-9D-30-B10	45	R32	6×10	3×8	35°	2	1	0.8
R010	R45-R32-9D-35-B9	45	R32	6×9	3×8	30°	1	3	0.8
R011	R45-R32-9D-35-B10	45	R32	6×10	3×8	35°	1	3	0.8
R012	R48-R32-9D-35-B10	48	R32	6×10	3×9	35°	1	3	0.9
R013	R51-R32-9D-35-B10	51	R32	6×10	3×9	35°	1	3	1.1
R014	R57-R32-9D-35-B11	57	R32	6×11	3×10	35°	-	3	1.3
R015	R64-R32-9D-40-B11	64	R32	6×12	3×11	40°	2	1	1.6
R016	R64-R32-12D-35-B10	64	R32	8×10	4×10	35°	2	2	1.6
R017	R64-R38-9D-35-B12	64	R38	6×12	3×11	35°	2	1	1.6
R018	R76-R32-12D-35-B11	76	R32	6×12	6×12	35°	1	2	2.7
R019	R76-R32-12D-35-B12	76	R32	8×12	4×12	35°	2	2	2.7
R020	R76-R38-12D-35-B12	76	R38	8×12	4×12	35°	2	2	2.3
R021	R89-R32-13D-35-B13	89	R32	8×13	5×12	35°	-	3	2.9
R022	R89-R38-13D-35-B13	89	R38	8×13	5×12	35°	2	2	3.3
R023	R102-R32-15D-35-B12	102	R32	14×12	1×11	35°	2	3	3.5

产品技术参数 Product technical parameters									
				合金齿数量×直径 NO.Button size		水孔数量 NO.Flushing Holes (PCS)			重量 Weight (KG)
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	螺纹 Thread	边齿 Gauge	中齿 Front	边齿角度 Gauge tooth angle	侧 Side	正 Front	
R024	R64-T38-9D-40-B12	64	T38	6×12	3×11	40°	2	1	1.6
R025	R64-T38-10D-35-B12	64	T38	6×12	3×11 1×9	35°		3	1.6
R026	R64-T38-12D-35-B10	64	T38	8×10	4×10	35°	1	2	1.6
R027	R76-T38-12D-35-B12	76	T38	8×12	4×12	35°	1	4	2.4
R028	R76-T38-10D-40-B13	76	T38	6×13	4×12	40°	1	2	2.45
R029	R76-T45-12D-35-B12	76	T45	8×12	4×12	35°	1	4	2.5
R030	R76-T45-13D-35-B12	76	T45	8×12	5×11	35°	1	4	2.5
R031	R89-T38-14D-35-B12	89	T38	8×12	4×12 2×10	35°		4	3
R032	R89-T38-13D-35-B13	89	T38	8×13	5×12	35°	1	4	3.25
R033	R89-T45-14D-35-B13	89	T45	8×13	4×12 2×10	35°		4	3.3
R034	R89-T45-13D-35-B13	89	T45	8×13	5×12	35°	1	4	3.4
R035	R89-T51-14D-35-B13	89	T51	8×13	4×12 2×10	35°		4	3.4
R036	R89-T51-13D-35-B13	89	T51	8×13	5×12	35°		4	3.4
R037	R92-GT60-14D-35-B14	92	GT60/TW60	8×14	6×12	35°		4	5.8
R038	R102-T45-14D-35-B14	102	T45	8×14	4×12 2×10	35°		4	4.2
R039	R102-T45-18D-35-B13	102	T45	9×13	9×11	35°		3	4.3
R040	R102-T51-14D-35-B14	102	T51	8×14	4×12 2-11	35°		4	4.2
R041	R102-T51-18D-35-B13	102	T51	9×13	9×11	35°		3	4.5
R042	R102-GT60-18D-35-B14	102	GT60/TW60	9×14	9×12	35°		3	6.5
R043	R115-T45-15D-35-B14	115	T45	8×14	4×14 3×12	35°		4	5.5
R044	R115-T45-19D-35-B14	115	T45	9×14	10×12	35°		3	5.8
R045	R115-T51-16D-35-B14	115	T51	8×14	4×14 4×12	35°		4	5.5
R046	R127-T45-19D-35-B15	127	T45	9×15	10×13	35°		3	7.1
R047	R165-GT60-21D-35-B16	165	GT60/TW60	9×16	12×16	35°		3	15

RETRAC THREAD BITS

易返式螺纹钻头



Description of the model 型号说明

RT89 - T45 - 13D - 35 - B13

边齿合金直径13mm
The gauge button diameter is 13mm.

边齿合金角度
Gauge tooth alloy angle

13=合金数量 D=合金型状
13 - Number of alloys D- alloy type

螺纹公径为 45mm
Thread Dia 45mm

T=梯形螺纹
T=Trapezoidal thread

头部直径为89mm
Gauge Dia 89mm

螺纹钻头（易返式）
Thread Bits (Retrac)

产品技术参数 Product technical parameters									
				合金齿数量×直径 NO.Button size				水孔数量 NO.Flushing Holes (PCS)	
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	螺纹 Thread	边齿 Gauge	中齿 Front	边齿角度 Gauge tooth angle	侧 Side	正 Front	重量 Weight (KG)
RT001	RT57-R32-9D-35-B11	57	R32	6×11	3×10	35°		3	1.6
RT002	RT64-R32-10D-35-B11	64	R32	6×11	3×11 1×9	35°	1	3	2
RT003	RT64-T38-9D-35-B12	64	T38	6×12	3×11	35°	1	2	2
RT004	RT64-T38-13D-35-B10	64	T38	8×10	4×10 1×9	35°		4	2
RT005	RT76-T38-10D-35-B12	76	T38	6×11	4×11	35°	2	2	3.2
RT006	RT76-T38-13D-35-B11	76	T38	8×11	4×11 1×11	35°		4	3.2
RT007	RT76-T45-12D-35-B12	76	T45	8×12	4×11	35°	2	2	3.1
RT008	RT76-T45-13D-35-B12	76	T45	8×12	4×11 1×11	35°		4	3.1
RT009	RT78-T38-13D-35-B12	78	T38	8×12	4×11 1×11	35°		4	3.5
RT010	RT89-R32-13D-35-B12	89	R32	8×12	5×11	35°		2	4.8
RT011	RT89-R32-14D-35-B12	89	R32	8×12	4×11 2×11	35°		4	4.8
RT012	RT89-T38-13D-35-B12	89	T38	8×13	5×12	35°	2	2	4.1
RT013	RT89-T38-14D-35-B12	89	T38	8×12	4×11 2×11	35°		4	4.1
RT014	RT89-T45-14D-35-B12	89	T45	8×13	5×12	35°	2	2	4.5
RT015	RT89-T45-15D-35-B13	89	T45	8×13	4×12 1×12	35°		4	4.5
RT016	RT89-T51-14D-35-B12	89	T51	8×13	5×12	35°	2	2	4.3
RT017	RT89-T51-15D-35-B13	89	T51	8×13	4×13 1×12	35°		4	4.3
RT018	RT102-T45-15D-35-B12	102	T45	8×12	7×12	35°		2	7.1
RT019	RT102-T45-18D-35-B13	102	T45	9×13	9×11	35°		3	6.5
RT020	RT102-T45-14D-35-B14	102	T45	8×14	4×12 2×11	35°		4	7.3
RT021	RT102-T51-15D-35-B12	102	T51	8×12	7×12	35°		2	6.5
RT022	RT102-T51-18D-35-B13	102	T51	9×13	9×11	35°		3	6.8
RT023	RT102-T51-14D-35-B14	102	T51	8×14	4×12 2×11	35°		4	6.8
RT024	RT105-T45-14D-35-B14	105	T45	8×14	6×13	35°		2	7.1
RT025	RT115-T45-15D-35-B14	115	T45	8×14	4×13 3×12	35°		4	7.8
RT026	RT115-T45-19D-35-B14	115	T45	9×14	10×12	35°		3	7.9

REAMING DRILL BITS

扩孔钻具

Description of the model 型号说明

FL89 - R(T)32 - 15Q - 35 - B12 40

顶部直径40mm
The top diameter is 40mm

边齿合金直径12mm
The gauge tooth alloy is 12mm in diameter.

边齿合金角度
Gauge tooth alloy angle

15=合金数量 Q=合金型状
15 - Number of alloys Q- alloy type

螺纹公径为 32mm
Thread Dia 32mm

R=波形螺纹 R=Rope Thread T=梯形螺纹 T=Trapezoidal thread

头部直径为89mm
Bit Dia 89mm

螺纹钻头（扩孔式）
Thread Bits (Reaming)



产品技术参数 Product technical parameters									
				合金齿数量×直径 NO.Button size				水孔数量 NO.Flushing Holes (PCS)	
产品编号 Number	产品型号 Model	钻头直径 Bit Dia.(mm)	螺纹 Thread	边齿 Gauge	中齿 Front	边齿角度 Gauge tooth angle	侧 Side	正 Front	重量 Weight (KG)
FL001	FL76-R28-12Q-35-B12	76	R28	9×12	2×10 1×9	35°	3	1	1.8
FL002	FL76-R28-12Q-35-B12-40	76	R28	9×12	3×10	35°	3	1	2.0
FL003	FL76-R32-12Q-35-B12	76	R32	9×12	3×10	35°	3	1	1.8
FL004	FL76-R32-12Q-35-B12-40	76	R32	9×12	3×10	35°	3	1	2.0
FL005	FL89-R32-15Q-35-B12	89	R32	12×12	3×10	35°	2	1	2.5
FL006	FL89-R32-15Q-35-B12-40	89	R32	12×12	3×10	35°	2	1	2.7
FL007	FL102-R32-15Q-35-B13	102	R32	12×13	2×13 1×11	35°	2	1	3.5
FL008	FL102-R32-18Q-35-B12-40	102	R32	14×12	4×8	35°	2	1	3.8
FL009	FL127-T38-17Q-35-B14	127	T38	14×14	2×12 1×11	35°	2	1	4.8
FL010	FL127-T38-17Q-35-B14-48	127	T38	14×14	3×10	35°	2	1	5.3