





DTH DRILLING BIT

FACE DESIGN AND CARBIDES SHAPE

FACE DESIGN

SHAPE	TYPE	APPLICABLE ROCK FORMATION
	FLAT	HARD AND ABRASIVE ROCK FORMATION
	CONVEX	SOFT-MEDIUM ROCK FORMATION
	CONCAVE	UNIFORM ROCK FORMATION
	DOUBLE GAUGE	VERY HARD ROCK FORMATION

CARBIDES SHAPE

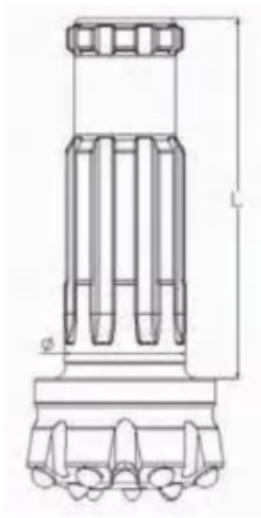
	
SPHERICAL	PARABOLIC

Advantages

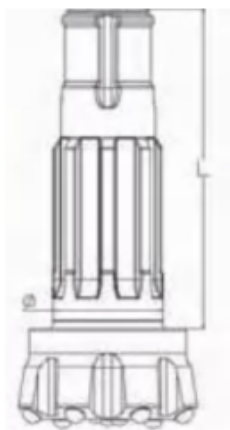
- 1、High quality forging technology can improve the fatigue strength of the bit trousers;
- 2、High quality carbide and suitable size, can ensure the stability of bit carbides life;
- 3、Excellent inlaying technology ensures that the carbides will not drop out from bit body during normal use of the bit,
- 4、Advanced heat treatment equipment and technology to ensure the stability of the drill bit body performance;
- 5、Special bit surface design, structure design and specific processing technology are adopted to ensure the service life

HUNAN POWERDRILLS ROCK MACHINERY CO., LTD.

DTH DRILLING BIT WITHOUT FOOT-VALVE

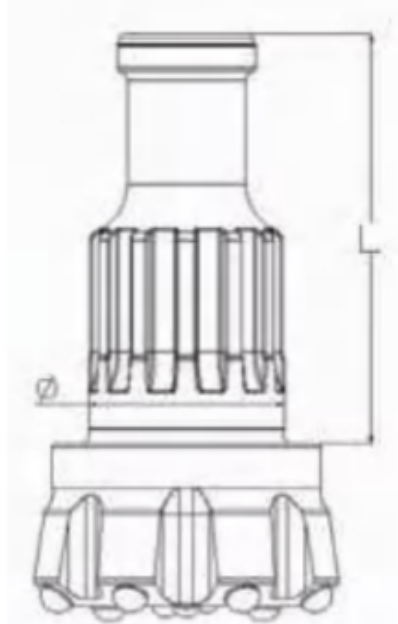


MODEL	3.5"	4"	5"	6"	8"	10"
L (MM)	181	209	260	308	350	375
Φ (MM)	54.6	65	84	101.5	128.5	165
SPLINES QUANTITY	8	8	8	8	10	10
REC. HOLE SIZE (MM)	90-110	105-130	135-152	155-190	203-254	245-305
SHANK MODEL	DHD3.5A	DHD340A	DHD350A	DHD360A	DHD380A	NUMA100A

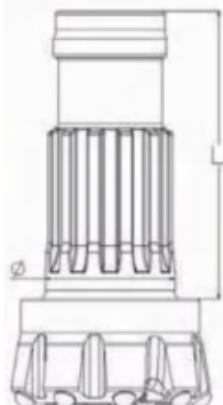


MODEL	4"	5"	6"	8"	10"	12"
L (MM)	260	258	324	321	355.8	470
Φ (MM)	67	82.5	102	118	164.5	185.5
SPLINES QUANTITY	8	8	8	8	8	8
REC. HOLE SIZE (MM)	105-130	135-152	155-190	203-254	245-305	305-400
SHANK MODEL	SD4A	SD5A	SD6A	SD8A	SD10A	SD12A

DTH DRILLING BIT WITHOUT FOOT-VALVE

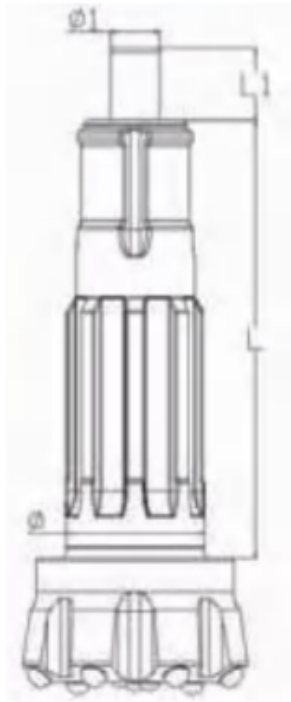


MODEL	4"	5"	6"	8"
L (MM)	228	260	231	329
Φ (MM)	62	82.5	106.5	128.5
SPLINES QUANTITY	12	12	12	12
REC. HOLE SIZE (MM)	105-130	135-152	155-190	203-254
SHANK MODEL	MISSION40	MISSION50	MISSION60	MISSION80



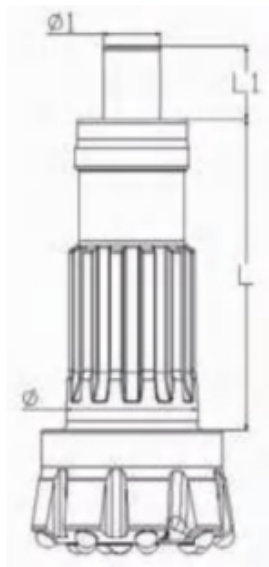
MODEL	4"	5"	6"	8"
L (MM)	279.5	240	253	331
Φ (MM)	68	88.5	106	136
SPLINES QUANTITY	10	12	12	16
REC. HOLE SIZE (MM)	105-130	135-152	155-190	203-254
SHANK MODEL	QL40A	QL50A	QL60A	QL80A

DTH DRILLING BIT WITHOUT FOOT-VALVE



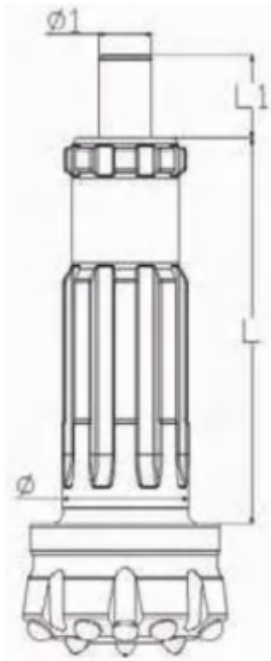
MODEL	4"	5"	6"	8"	10"	12"
L (MM)	260	258	324	321	355.8	470
Φ (MM)	67	82.5	102	118	164.5	185.5
L1 (MM)	54	54.5	53	57	60.3	48
Φ1 (MM)	26	32	36.4	41	56	63.5
SPLINES QUANTITY	8	8	8	8	8	8
REC. HOLE SIZE (MM)	105-130	135-152	155-190	203-254	245-305	305-400
SHANK MODEL	SD4	SD5	SD6	SD8	SD10	SD12

DTH DRILLING BIT WITH FOOT-VALVE



MODEL	4"	5"	6"	8"
L (MM)	279.5	240	253	331
Φ (MM)	68	88.5	106	136
L1 (MM)	59	52	59	54
Φ1 (MM)	32	38.5	46	54.6
SPLINES QUANTITY	10	12	12	16
REC. HOLE SIZE (MM)	105-130	135-152	155-190	203-254
SHANK MODEL	QL40	QL50	QL60	QL80

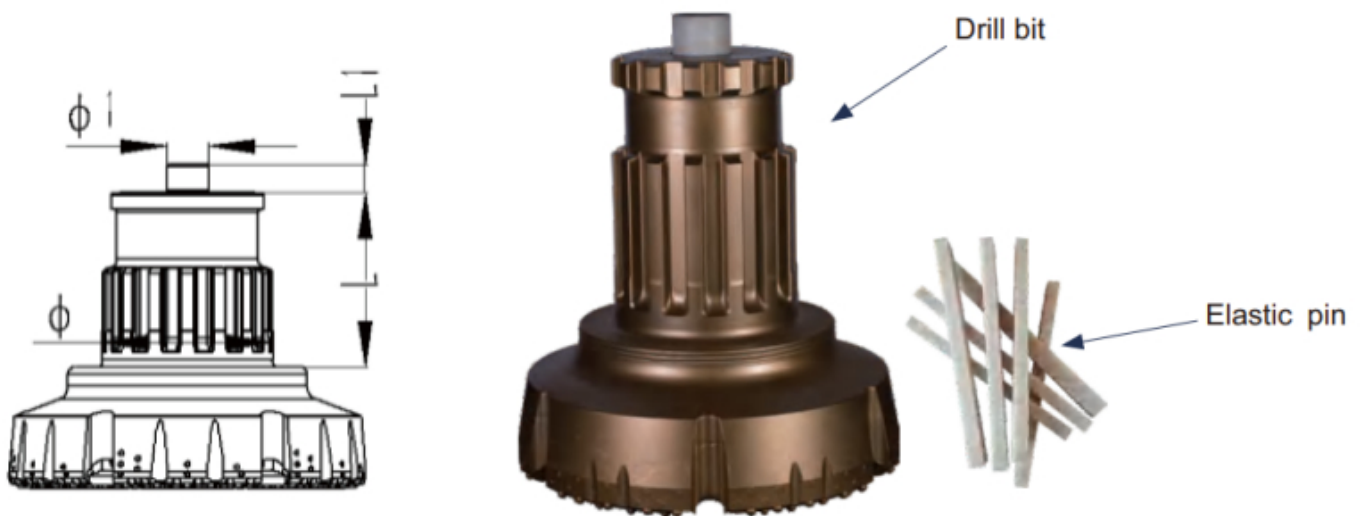
DTH DRILLING BIT WITHOUT FOOT-VALVE



MODEL	3.5"	4"	5"	6"	8"	12"
L (MM)	181	209	260	308	350	375
Φ (MM)	54.6	65	84	101.5	128.5	165
L1 (MM)	54.6	59	56	55	51	52
Φ1 (MM)	24.5	27	35	38	50.6	63.5
SPLINES QUANTITY	8	8	8	8	10	10
REC. HOLE SIZE (MM)	90-110	105-130	135-152	155-190	203-254	245-305
SHANK MODEL	DHD3.5	DHD340	DHD350	DHD360	DHD380	DHD112

LARGE DIAMETER DTH DRILLING BIT

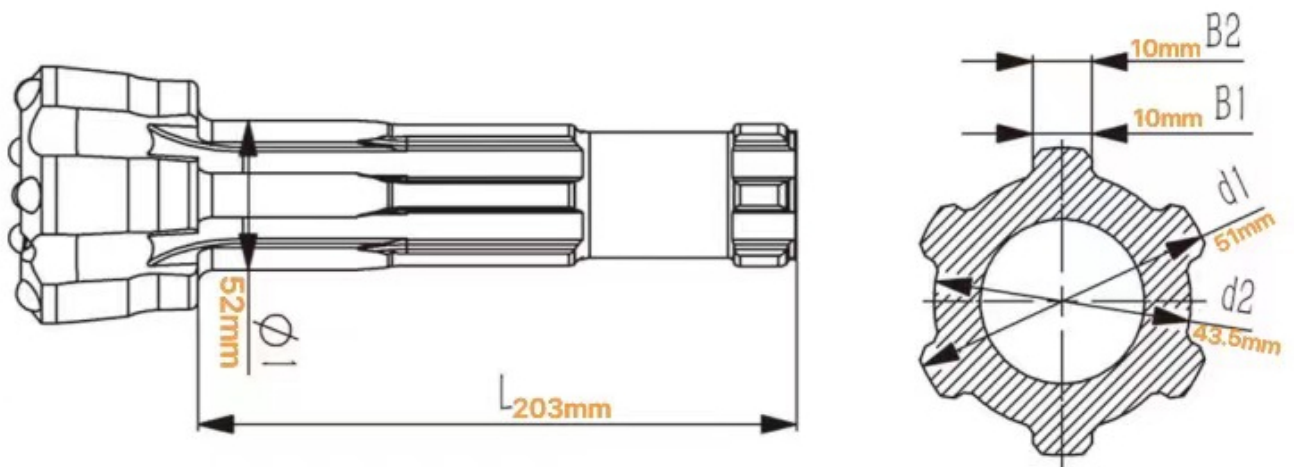
1. The body of large hole drill bit is made of military special steel, which has low failure rate of breaking and cracking.
2. High quality forging process to improve the fatigue strength of drill bit steel body.
3. Ultrasonic and magnetic particle flaw detection of drill steel body, eliminate material and forging defects, reduce the quality accident of drill steel body in the process of drilling.
4. Enlarge the carbides of the drill bit to improve the service life of the carbides.
5. CNC machining the drill steel body to ensure the machining accuracy of the drill bit.
6. The specially made foot valve has high strength and good toughness, which guarantees the performance of the drill bit.
7. The drill spline matches the shock-absorbing buffer strip to improve the service life of the spline.



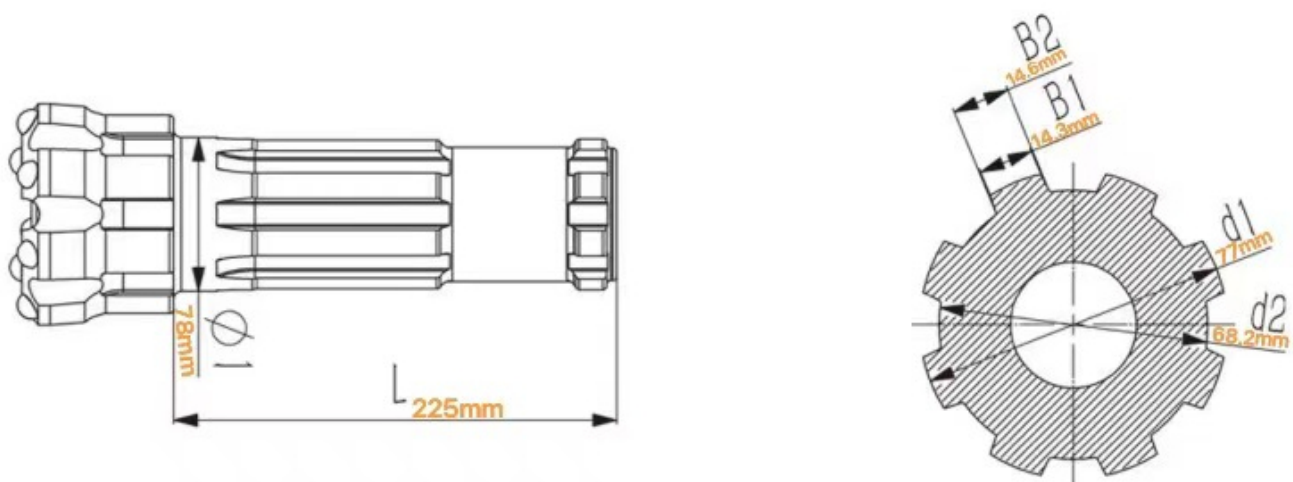
MODEL	12"	14"	18"	24"	28"
L(MM)	260	258	324	321	355.8
Φ(MM)	67	82.5	102	118	164.5
L1(MM)	54	54.5	53	57	60.3
Φ1(MM)	26	32	36.4	41	56
SPLINES QUANTITY	8	8	8	8	8
REC. HOLE SIZE (MM)	105-130	135-152	155-190	203-254	245-305
SHANK MODEL	DHD112 NUMA120 SD12 QL120	NUMA125 M140	NUMA180	NUMA240	NUMA280

REVERSE CIRCULATON DRILLING BIT

- 1、 High quality forging technology can improve the fatigue strength of the bit trousers;
- 2、 High quality carbide and suitable size, can ensure the stability of bit carbides life;
- 3、 Excellent inlaying technology ensures that the carbides will not drop out from bit body during normal use of the bit,
- 4、 Advanced heat treatment equipment and technology to ensure the stability of the drill bit body performance;
- 5、 Special bit surface design, structure design and specific processing technology are adopted to ensure the service life

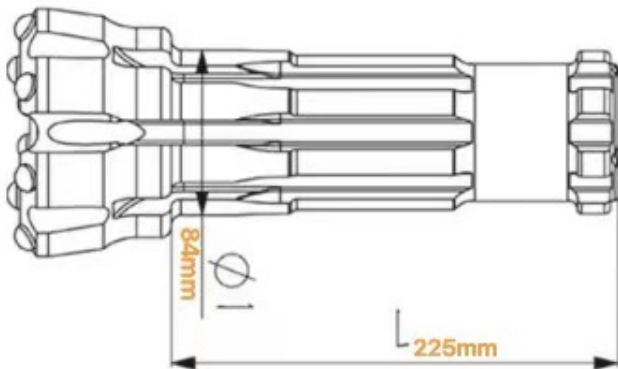


(PWD003)

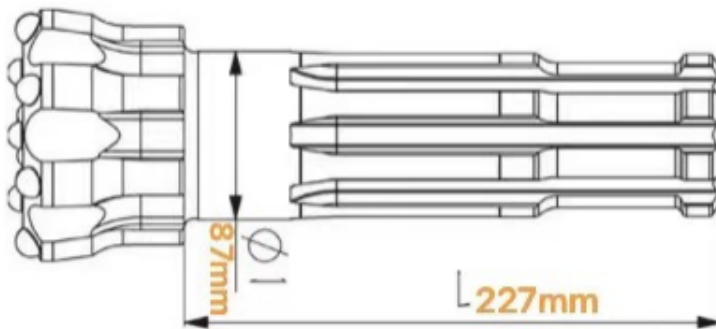
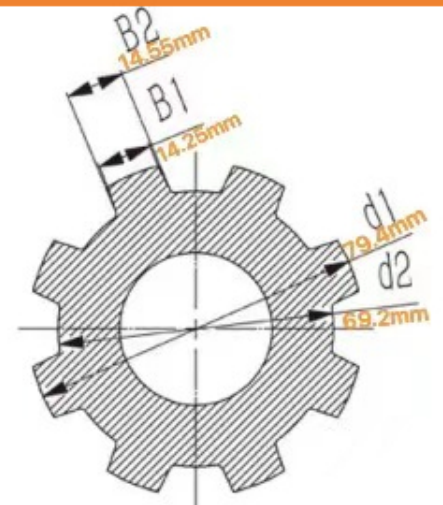


(PWD004)

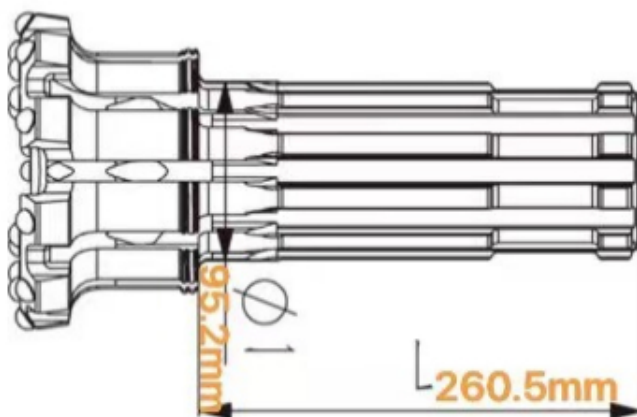
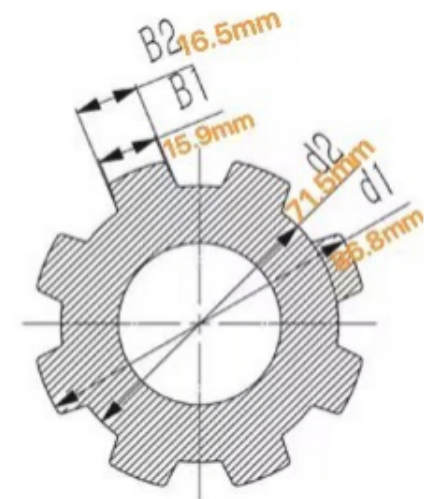
REVERSE CIRCULATON DRILLING BIT



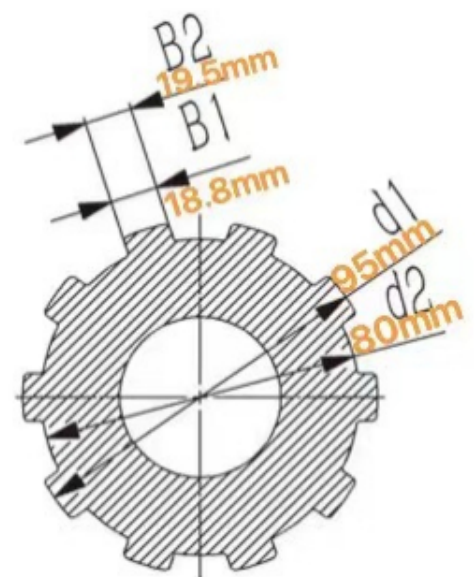
(PWD543)



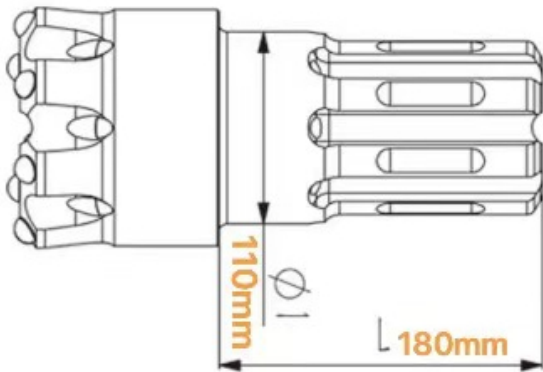
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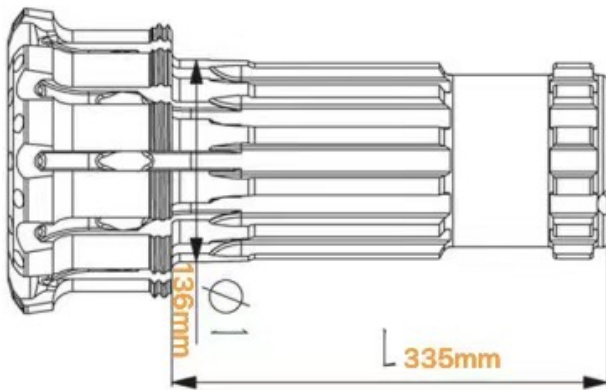
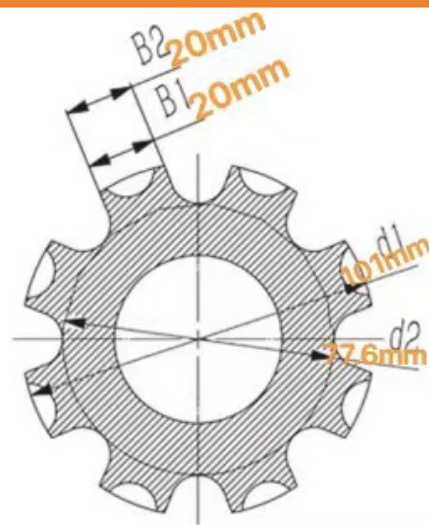
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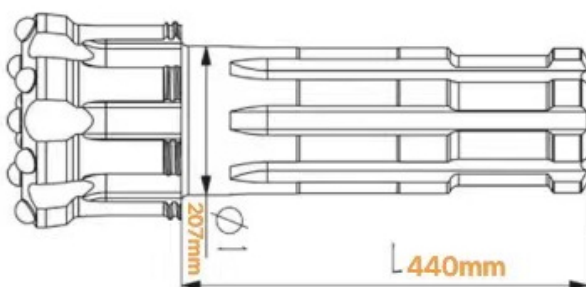
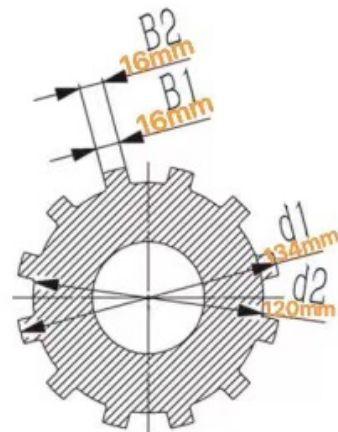
REVERSE CIRCULATON DRILLING BIT



(PWD060)



(PWD080)



(PWD120)

