

КАТАЛОГ(КОРОНКИ ДЛЯ БУРЕНИЯ)



ООО ТЛК "СУДОКОМПЛЕКТ"
ПОСТАВЩИК СУДОВОГО ОБОРУДОВАНИЯ

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The life of the DTH bit depends on the material and technology of the bit. The ANBIT bit is made of the most efficient high quality alloy steel.

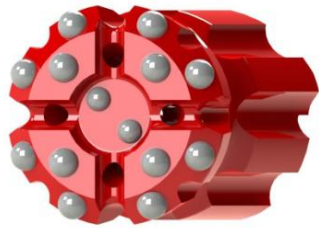
Use quality forged steel, heat treatment and shot peening to provide a durable and reliable balance of strength and toughness.

- 1. Long life of bit: alloy steel material has a long service life, which is higher than similar products;
- 2. High drilling efficiency: the drill teeth are wear-resistant, so that the drill bit can always be sharp, thus greatly improving the entering speed of the teeth;
- 3. Steady drilling speed: the drill bit breaks the rock by scraping and cutting;
- 4. Good spacing effect: the new diamond head has strong abrasion resistance and good spacing performance, which enables the cutting teeth to be utilized efficiently;
- 5. Wide application range: it has been proved by practice that this drill bit is suitable for drilling in soft and medium hard formations, such as carbonate rock, limestone, cretaceous rock, clay rock, siltstone and sandstone (below grade 9 of drillability,). Compared with general drills, especially in rock formations of grade 6-8, the effect is especially remarkable.

The submersible drill bit made by ANBIT ranges from 2 inches to 40 inches in diameter and has a variety of the most common end face shapes, alloy tooth styles and shank styles to match the application and rock formations you are drilling in.

We can customize the drill bit according to your requirement. Different drill head shapes are selected according to different rock formations. The commonly used head shapes are as follows:

Face	Applications	Face	Applications
	Convex Concave Face This shape of the head is suitable for all rock formations, especially in medium hard and lithologically uniform rock formations. Mainly used for large aperture drills, the drill has good guiding effect and good slagging effect.		Concave Face The all-around application bit face apecifically for medium hard and homogenous rock formations.Good hole deviation contol and flushing capacity.
	Double Gauge Face 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 This kind of face shape is suitable for hard to very hard and abrasive fock formations in applications with high air pressures.Good penetration rates an resistance to steel wash.



Center Drop Bit

For high penetration rates in soft to medium hard and fissured rock formations, Low to medium air pressure.



Concave Face

The all-around application bit face specifically for medium hard and homogeneous rock formations. Good hole deviation control and flushing capacity.



Convex Face

For high penetration rates in soft to medium hard with low to medium air pressure, it is the most resistance to steel wash, and may reduce the load and wear on gauge, but poor hole deviation control.



Convex Concave Face

This shape of the head is suitable for all rock formations, especially in medium hard and lithologically uniform rock formations. Mainly used for large aperture drills, the drill has good guiding effect and good slagging effect.



Double Gauge Face

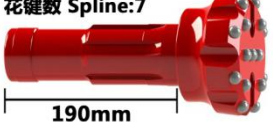
This kind of face shape is suitable for fast penetration rates in medium to hard rock formations. Designed for high air pressures and good resistance to steel wash step gauge bit.



Flat Face Bit

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.

COP Series Drill Bits

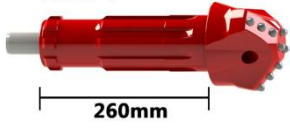
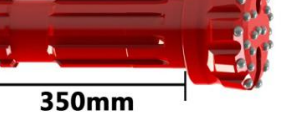
COP	Head shape	Diameter (mm)	Number of vents	NO X button diamter		
				Toothed	Gauge	Front
花键数 Spline:8  215mm COP32	Convex face	90	2	Parabolic button	8XØ12	6XØ11
	Convex face	105	2	Parabolic button	8XØ13	5XØ13+2XØ12
花键数 Spline:8  245mm COP34	Flat Face Bit	105	2	Round Button+Ballistic Button	8XØ14	6XØ13
花键数 Spline:7  190mm COP42	Concave Face	130	2	Round Button	8XØ14	4XØ14+3XØ13
花键数 Spline:8  209mm COP44(DHD340)	Convex Face	115	2	Round Button	7XØ16	6XØ14
	Flat Face Bit	127	2	Round Button+Ballistic Button	8XØ14	7XØ14
	Concave Face	140	2	Round Button	8XØ14	8XØ14
花键数 Spline:8  260mm COP54(DHD350)	Concave Face	146	2	Round Button	8XØ18	4XØ15+3XØ14
	Flat Face Bit	152	2	Round Button+Ballistic Button	8XØ18	8XØ14
花键数 Spline:8  308.5mm COP64(DHD360)	Flat Face Bit	178	2	Round Button+Ballistic Button	8XØ18	11XØ16
	Flat Face Bit	190	3	Round Button+Ballistic Button	9XØ18	11XØ16
	Flat Face Bit	203	2	Round Button+Ballistic Button	10XØ18	14XØ16
	Convex Face	241	2	Round Button	12XØ18	20XØ16
花键数 Spline:12  225mm COP66	Convex Face	171	4	Round Button	8XØ19	8XØ19
花键数 Spline:10  350mm COP84(DHD380)	Convex Face	203	2	Round Button	10XØ18	15XØ16
	Flat Face Bit	216	3	Round Button	12XØ18	14XØ16
	Flat Face Bit	254	2	Round Button	12XØ18	28XØ16

	Convex Face	305	3	Round Button	15XØ18	35XØ16
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We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

DHD Series Drill Bits

DHD	Head shape	Diameter (mm)	Number of vents	NO X button diameter		
				Toothed	Gauge	Front
花键数 Spline:6  174mm HD25A	Flat Face Bit	76	2	Ballistic Button	6XØ14	4XØ11
	Flat Face Bit	80	2	Ballistic Button	6XØ14	4XØ11
	Flat Face Bit	90	2	Ballistic Button	6XØ14	4XØ12
花键数 Spline:8  180mm HD3.5	Convex Face	90	2	Round Button+Ballistic Button	6XØ14	2XØ13+2XØ12
	Concave Face	105	2	Round Button	6XØ14	4XØ13+2XØ12
	Flat Face Bit	115	2	Round Button+Ballistic Button	8XØ14	6XØ13
花键数 Spline:8  180mm DHD3.5A	Convex Face	90	2	Round Button	6XØ14	2XØ13+2XØ12
	Concave Face	105	2	Round Button	6XØ14	4XØ13+2XØ12
	Flat Face Bit	115	2	Round Button+Ballistic Button	8XØ14	6XØ13
花键数 Spline:8  209mm DHD340	Convex Face	115	2	Round Button	7XØ16	6XØ14
	Flat Face Bit	127	2	Round Button+Ballistic Button	8XØ14	7XØ14
	Concave Face	140	2	Round Button	8XØ14	8XØ14
花键数 Spline:8  209mm DHD340A	Convex Face	115	2	Round Button+Ballistic Button	7XØ16	6XØ14
	Convex Face	120	2	Round Button+Ballistic Button	8XØ14	7XØ14
花键数 Spline:8  260mm DHD350	Concave Face	146	2	Round Button	8XØ18	4XØ15+3XØ14
	Flat Face Bit	152	2	Round Button+Ballistic Button	8XØ18	8XØ14
花键数 Spline:10  350mm	Convex Face	140	2	Round Button+Ballistic Button	7XØ18	4XØ15+3XØ14
	Flat Face Bit	152	2	Round Button+Ballistic Button	8XØ18	8XØ14

DHD350A  花键数 Spline:8 260mm 三翼钻头Three wing bit	Concave Face	165	2	Round Button	8XØ18	4XØ16+4XØ14
	Concave Face	200	3	Round Button	9XØ18	6XØ16+6XØ14
 花键数 Spline:8 308.5mm 360	Flat Face	140	3	Ballistic Button	9XØ14	3XØ14
	Flat Face	152	3	Ballistic Button	9XØ15	3XØ15
 花键数 Spline:8 308.5mm 360	Flat Face Bit	178	2	Round Button+Ballistic Button	8XØ18	11XØ16
	Flat Face Bit	190	3	Round Button+Ballistic Button	9XØ18	11XØ16
	Flat Face Bit	203	2	Round Button+Ballistic Button	10XØ18	14XØ16
	Convex Face	241	2	Round Button	12XØ18	20XØ16
 花键数 Spline:8 308.5mm 0A	Flat Face Bit	165	2	Round Button+Ballistic Button	8XØ18	8XØ16
	Convex Face	165	3	Round Button+Ballistic Button	9XØ18	6XØ16+4XØ15
 花键数 Spline:10 350mm 80	Convex Face	203	2	Round Button	10XØ18	15XØ16
	Flat Face Bit	216	3	Round Button	12XØ18	14XØ16
	Flat Face Bit	254	2	Round Button	12XØ18	28XØ16
	Convex Face	305	3	Round Button	15XØ18	35XØ16
 花键数 Spline:10 350mm DHD380A	Concave Face	203	2	Round Button	10XØ18	4XØ18+10XØ16
	Convex concave	254	2	Round Button	12XØ18	8XØ18+18XØ16
 花键数 Spline:8 490mm DHD1120	Convex concave	350	4	Round Button	16XØ20	32XØ18+13XØ16
	Convex concave	400	4	Round Button	16XØ20	60XØ18+8XØ16
	Convex concave	500	4	Round Button	24XØ20	90XØ18

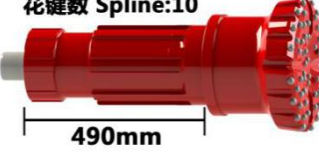
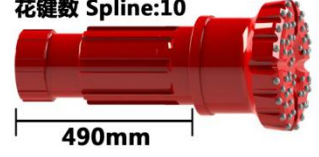
We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

Mission Series Drill Bits

Mission	Head shape	Diameter mm	Number of vents	NO X button diamter		
				Toothed	Gauge	Front
花键数 Spline:8  225mm Mission30	Flat Face Bit	90	2	Round Button	8XØ12	6XØ12
	Convex Face	100	2	Round Button+Ballistic Button	6XØ14	3XØ13+2XØ12
花键数 Spline:12  228mm Mission40	Convex Face	115	2	Round Button	7XØ16	6XØ14
	Flat Face Bit	120	2	Round Button	8XØ14	7XØ14
	Concave Face	127	2	Round Button	8XØ14	7XØ14
花键数 Spline:12  260mm Mission50	Convex Face	140	2	Round Button	7XØ18	4XØ15+3XØ14
	Concave Face	152	2	Round Button	8XØ18	4XØ15+3XØ14
花键数 Spline:12  231mm Mission60	Concave Face	154	2	Round Button	8XØ18	4XØ16+4XØ15
	Convex Face	165	3	Round Button	9XØ18	6XØ16+4XØ15
	Concave Face	185	2	Round Button	8XØ18	6XØ16+5XØ15
	Concave Face	203	2	Round Button	10XØ18	8XØ16+6XØ15
花键数 Spline:12  329mm Mission80	Convex concave	254	2	Round Button	12XØ18	8XØ18+18XØ16
	Convex concave	325	3	Round Button	15XØ18	12XØ18+24XØ16

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

NUMA Series Drill Bits

NUMA	Head shape	Diameter mm	Number of vents	NO X button diamter		
				Toothed	Gauge	Front
花键数 Spline:10  375mm NUMA100 花键数 Spline:10  375mm NUMA100A	Convex concave	275	2	Round Button	12XØ19	8XØ18+19XØ16
	Convex concave	305	3	Round Button	15XØ19	27XØ18+8XØ16
	Convex concave	350	4	Round Button	16XØ19	32XØ18+14XØ16
花键数 Spline:12  490mm NUMA120 花键数 Spline:12  490mm NUMA120A	Convex concave	350	4	Round Button	16XØ20	32XØ18+13XØ16
	Convex concave	450	4	Round Button	20XØ20	48XØ18+25XØ16
	Convex concave	500	4	Round Button	24XØ20	90XØ18
花键数 Spline:10  490mm NUMA125 花键数 Spline:10  490mm NUMA125A	Convex concave	381	4	Round Button	16XØ20	36XØ18+15XØ16
	Convex concave	394	4	Round Button	16XØ20	36XØ18+23XØ16

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

QL Series Drill Bits

QL	Head shape	Diameter (mm)	Number of vents	NO X button diameter		
				Toothed	Gauge	Front
花键数 Spline:10  280mm QL40 花键数 Spline:10  280mm QL40A	Flat Face Bit	105	2	Round Button	8XØ14	6XØ13
	Concave Face	115	2	Round Button	8XØ14	6XØ14
	Convex Face	127	2	Round Button	8XØ14	7XØ14
花键数 Spline:12  240mm QL50 花键数 Spline:12  240mm QL50A	Flat Face Bit	152	2	Round Button	8XØ18	8XØ15
花键数 Spline:12  253mm QL60 花键数 Spline:12  253mm QL60A	Flat Face Bit	165	2	Round Button	8XØ18	8XØ16
	Flat Face Bit	178	2	Round Button	8XØ18	10XØ16
	Concave Face	216	2	Round Button	10XØ18	8XØ16+6XØ15
花键数 Spline:16  331mm QL80 花键数 Spline:16  331mm QL80A	Concave Face	203	2	Round Button	10XØ18	8XØ18+6XØ16
	Concave Face	216	2	Round Button	10XØ18	8XØ18+6XØ16
	Convex concave	254	2	Round Button	12XØ18	8XØ18+18XØ16



Convex concave	435	6	Round Button	18XØ19	12XØ19+40XØ18
Convex concave	580	6	Round Button	24XØ20	18XØ19+79XØ18

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

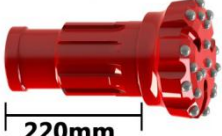
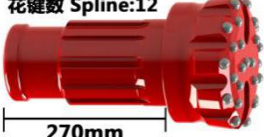
SD Series Drill Bits

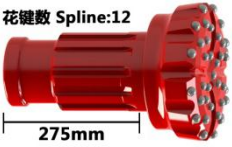
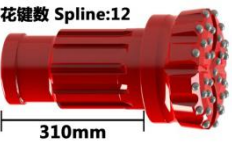
SD	Head shape	Diameter (mm)	Number of vents	NO X button diameter		
				Toothed	Gauge	Front
花键数 Spline:8  260mm SD4	Concave Face	105	2	Round Button	8XØ14	6XØ14
	Concave Face	127	2	Round Button	8XØ14	7XØ14
花键数 Spline:8  260mm SD4A	Concave Face	127	2	Round Button	8XØ14	7XØ14
	Concave Face	127	2	Round Button	8XØ14	7XØ14
花键数 Spline:8  259mm SD5	Flat Face Bit	140	2	Round Button	8XØ18	8XØ14
	Concave Face	152	2	Round Button	8XØ18	8XØ14
花键数 Spline:8  259mm SD5A	Flat Face Bit	140	2	Round Button	8XØ18	8XØ14
	Concave Face	152	2	Round Button	8XØ18	8XØ14
	Concave Face	152	2	Round Button	8XØ18	8XØ14
花键数 Spline:8  322mm SD6	Flat Face Bit	165	3	Round Button	9XØ18	9XØ16
	Flat Face Bit	178	3	Round Button	9XØ18	9XØ16
	Concave Face	216	2	Round Button	10XØ18	14XØ16
花键数 Spline:8  322mm SD6A	Concave Face	216	2	Round Button	10XØ18	14XØ16
	Concave Face	216	2	Round Button	10XØ18	14XØ16
花键数 Spline:8  321mm SD8	Flat Face Bit	225	2	Round Button	12XØ18	20XØ16
	Convex concave	254	2	Round Button	12XØ18	8XØ18+18XØ16
花键数 Spline:8  321mm SD8A	Convex concave	254	2	Round Button	12XØ18	8XØ18+18XØ16
	Convex concave	254	2	Round Button	12XØ19	8XØ18+18XØ16
花键数 Spline:8  356mm SD10	Convex concave	254	2	Round Button	12XØ19	8XØ18+18XØ16
	平面 Flat Face Bit	305	3	Round Button	15XØ19	27XØ18

 花键数 Spline:8 356mm SD10A	Flat Face Bit	350	4	Round Button	16XØ19	38XØ18
 花键数 Spline:8 470mm SD12	Convex concave	330	3	Round Button	15XØ20	30XØ18+11XØ16
 花键数 Spline:8 470mm SD12A	Convex concave	445	4	Round Button	20XØ20	48XØ18+25XØ16

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

SP Series Drill Bits

SP	Head shape	Diameter (mm)	Number of vents	NO X button diamter		
				Toothed	Gauge	Toothed
花键数 Spline:10  165mm SP480	Convex Face	115	2	Round Button+Ballistic Button	7XØ16	6XØ14
	Convex Face	125	2	Round Button+Ballistic Button	8XØ14	7XØ14
	Convex Face	140	2	Round Button+Ballistic Button	8XØ14	7XØ14
花键数 Spline:10  185mm SP580	Convex Face	140	2	Round Button+Ballistic Button	7XØ18	4XØ15+3XØ14
	Flat Face Bit	152	2	Round Button+Ballistic Button	8XØ18	8XØ14
	Concave Face	165	2	Round Button	8XØ18	4XØ16+4XØ14
花键数 Spline:12  231mm SP680	Concave Face	165	3	Round Button	9XØ18	6XØ16+3XØ15
	Flat Face Bit	190	3	Round Button	9XØ18	11XØ16
	Concave Face	225	2	Round Button	12XØ18	12XØ16+6XØ15
花键数 Spline:10  220mm SP780	Concave Face	185	2	Round Button	8XØ18	6XØ16+5XØ15
	Concave Face	203	2	Round Button	10XØ18	8XØ16+6XØ15
	Convex concave	254	2	Round Button	12XØ18	8XØ18+18XØ16
花键数 Spline:8  250mm SP781	Concave Face	185	2	Round Button	8XØ18	6XØ16+5XØ15
	Concave Face	203	2	Round Button	10XØ18	8XØ16+6XØ15
	Convex concave	235	2	Round Button	12XØ18	12XØ18+12XØ16+7XØ15
花键数 Spline:12  260mm SP882	Concave Face	216	2	Round Button	10XØ18	4XØ18+10XØ16
	Convex concave	254	2	Round Button	12XØ18	8XØ18+18XØ16
	Convex concave	311	3	Round Button	15XØ18	35XØ16
花键数 Spline:12  270mm SP883	Concave Face	203	2	Round Button	10XØ18	4XØ18+10XØ16
	Concave Face	216	2	Round Button	10XØ18	4XØ18+10XØ16
	Convex concave	254	2	Round Button	12XØ18	8XØ18+18XØ16

 花键数 Spline:12 275mm SP980	Convex concave	305	3	Round Button	15XØ18	12XØ18+23XØ16
 花键数 Spline:12 310mm SP1080	Convex concave	254	2	Round Button	12XØ19	8XØ18+19XØ16
	Convex concave	305	2	Round Button	16XØ19	28XØ18+8XØ15
	Convex concave	350	4	Round Button	16XØ19	32XØ18+14XØ16
 花键数 Spline:12 375mm SP1280	Convex concave	350	4	Round Button	16XØ20	32XØ18+13XØ16
	Convex concave	400	4	Round Button	16XØ20	40XØ18+28XØ16
	Convex concave	500	4	Round Button	24XØ20	90XØ18
 花键数 Spline:12 405mm SP1480	Convex concave	500	4	Round Button	24XØ20	90XØ18
	Bilateral tooth concave	600	4	Round Button	24XØ20	16XØ19+96XØ18
 花键数 Spline:16 480mm SP1880	Bilateral tooth concave	600	4	Round Button	24XØ22	72XØ20+31XØ18
	Bilateral tooth concave	650	4	Round Button	24XØ22	80XØ20+38XØ18

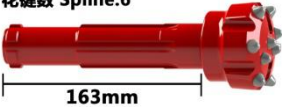
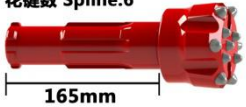
We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

WK Series Drill Bits

WK	Head shape	Diameter mm	Number of vents	NO X button diameter		
				Toothed	Gauge	Front
花键数 Spline:6  130mm K30	Convex Face	90	2	Round Button+Ballistic Button	6XØ14	2XØ13+2XØ12
	Convex Face	95	2	Round Button+Ballistic Button	6XØ14	2XØ13+2XØ12
花键数 Spline:8  143mm WK40	Convex Face	115	2	Round Button+Ballistic Button	7XØ16	6XØ14
	Convex Face	127	2	Round Button+Ballistic Button	8XØ14	7XØ14
	Concave Face	146	3	Round Button	9XØ14	10XØ13
花键数 Spline:8  170mm WK5B	Flat Face	152	2	Round Button+Ballistic Button	8XØ18	8XØ14
	Concave Face	170	2	Round Button	8XØ18	6XØ15+4XØ14
花键数 Spline:10  200mm WK60	Convex Face	190	3	Round Button	9XØ18	6XØ16+5XØ16
花键数 Spline:16  220mm WK80	Concave Face	216	2	Round Button	10XØ18	4XØ18+10XØ16
	Convex concave	275	2	Round Button	12XØ18	8XØ18+19XØ16
	Convex concave	305	3	Round Button	15XØ18	35XØ16

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

BR Series Drill Bits

BR	Head shape	Diameter mm	Number of vents	NO X button diamter		
				Toothed	Gauge	Front
花键数 Spline:6  163mm BR1	Flat Face Bit	64	2	Ballistic Button	6XØ10	4XØ9
	Convex Face	70	2	Ballistic Button	6XØ11	4XØ10
花键数 Spline:6  165mm BR2	Flat Face Bit	76	2	Round Button	6XØ12	4XØ10
	Flat Face Bit	80	2	Round Button	6XØ13	5XØ10
	Flat Face Bit	90	2	Round Button + Ballistic Button	6XØ13	4XØ12
花键数 Spline:6  165mm BR3	Flat Face Bit	90	2	Semi-Ballistic Button	6XØ14	5XØ12
	Convex Face	98	2	Semi-Ballistic Button	6XØ14	6XØ12
花键数 Spline:7  165mm BR33	Convex Face	94	2	Semi-Ballistic Button	6XØ14	2XØ13+2XØ12
	平面Flat Face Bit	115	2	Round Button	8XØ14	7XØ13

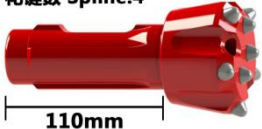
We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

CIR Series Drill Bits

CIR	Head shape	Diameter mm	Number of vents	NO X button diamter		
				Toothed	Gauge	Front
花键数 Spline:4  105mm CIR65	Flat Face Bit	65	1	Round Button	4XØ12	2XØ12
	Flat Face Bit	68	1	Round Button	4XØ12	2XØ12
花键数 Spline:6  130mm CIR80	Flat Face Bit	83	3	Round Button	6XØ12	4XØ12
	Flat Face Bit	85	3	Round Button	6XØ12	4XØ12
花键数 Spline:6  130mm CIR90	Convex Face	90	2	Ballistic Button	6XØ14	2XØ13+2XØ12
	Concave Face	110	2	Ballistic Button	6XØ14	6XØ13
花键数 Spline:6  140mm CIR110	Concave Face	110	2	Ballistic Button	6XØ14	6XØ13
	Concave Face	130	2	Ballistic Button	8XØ14	4XØ14+3XØ13
	凸面Convex Face	135	3	Ballistic Button	7XØ14	4XØ14+4XØ12
花键数 Spline:6  140mm CIR130	Convex Face	130	3	Ballistic Button	7XØ14	3XØ14+5XØ12
花键数 Spline:6  170mm CIR150	Convex Face	152	3	Ballistic Button	9XØ16	10XØ14
	Convex Face	156	3	Ballistic Button	9XØ16	10XØ14
	Convex Face	178	3	Ballistic Button	9XØ16	6XØ16+6XØ14
花键数 Spline:6  170mm CIR170	Convex Face	203	3	Ballistic Button	9XØ16	6XØ16+10XØ14

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

J Series Drill Bits

J	Head shape	Diameter mm	Number of vents	NO X button diamter		
				Toothed	Gauge	Front
花键数 Spline:4  110mm J70	Flat Face	76	2	Ballistic Button	5XØ12	3XØ12
花键数 Spline:4  140mm J80	Convex Face	90	2	Ballistic Button	6XØ14	4XØ13
花键数 Spline:4  140mm J100B	Convex Face	110	2	Ballistic Button	6XØ14	6XØ13
花键数 Spline:6  240mm JW150	Concave Face	165	2	Round Button	8XØ18	6XØ16+4XØ14
花键数 Spline:6  200mm JW200	Convex Face	206	3	Round Button	10XØ18	16XØ16

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

Reverse Circulation Drill Bits

The reverse circulation drill bit is used in combination with the reverse circulation impactor, and is driven by high-pressure air to obtain large rock samples from the central discharge hole. The reverse circulation drill bit is made of high quality alloy and alloy steel matrix, with long service life. Under the condition of not requiring complete core, the working speed is greatly improved and the cost is reduced compared with the original drilling rig. Our company provides process design and drill bit customization. Please refer to the detailed parameter table of the reverse circulation drill.

Reverse Circulation	The Drill Head Diameter(mm)	NO.AirHoles	Gauge Buttons	Front Buttons	Weight(kg)
NRC	115	2	8*Ø14	8*Ø13	14.00
	140	2	8*Ø16	8*Ø16	16.50
	165	2	8*Ø18	8*Ø16	24.85
MIC	133	2	8*Ø16	8*Ø16	17.50
	140	2	8*Ø16	8*Ø14	18.00
	146	2	8*Ø18	8*Ø14	20.00
PR5	133	2	8*Ø16	8*Ø14	12.50
	140	2	8*Ø16	8*Ø14	13.00
	146	2	8*Ø18	8*Ø14	13.50
PR4	115	2	8*Ø16	8*Ø13	14.40
	127	2	8*Ø16	8*Ø14	15.00
	133	2	8*Ø16	8*Ø14	15.50

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

Symmetric Drilling Equipment

1 . Great verticality of the hole and fast drilling speed.

Vertical holes can be drilled in all strata, such as gravel, sand and pebble, and drilling speed is fast. This is based on the principle of work.

2.The torque necessary for symmertic drilling is much less than for eccentric dirlling.

A smooth and steady drilling may be achieved using ring bit on all conditions and create big hole even if a small drilling rig is used.

3.Unlocking-relocking can be relatively easily achieved.

When the system needs to be unlocked during drilling, it is easier to unlock than eccentric drilling without opening and closing eccentric components in the hole.

4.Drilling can be carried out at ant angle.

Symmetric drilling can shape the hole at any angle.

5.Effective cuttings discharge.

The gas used for slag discharge in the center drilling rises along the casing immediately after it is ejected from the guide bit, so the damage to the hole wall is small and the slag discharge effect is good.

6.Easy operation and system safety

Drilling workers are relieved of the need to maintain their continuous and constant attention on drilling process since symmetric drilling can carry on smoothly.

7. Low cost

The structure and principle of operation of symmetric drilling system can guarantee considerable reduction in downtime,fewer consumable and lower operation costs.

Product model	Casing OD (mm)	Casing wall max (mm)	Ring bit OD (mm)	Ring bit OD (mm)	Pilot bte OD (mm)	hammer
NSOD114	114.3	6/10	91/78	128/124	100/92.5	ND35
NSOD127	126.7	7	99	140	110	ND35
NSOD140	139.7	7/10	116/94	154/150	124/117.5	ND45/NQL4
NSOD168	168.3	8/12.7	142/121	182/178	150/140	ND55/NQL5
NSOD178	178.3	10	145	195	156	ND55/NQL5
NSOD194	193.7	6/12.7	167/148	212/203	180/167	ND65/NQL6
NSOD219	219.1	7/12.7	186/167	234	203/191	ND65/NQL6
NSOD273	273.0	8/12.7	232/219	292	255/246	ND85/NQL8
NSOD325	323.9	8/12.7	281/270	342/342	306/297	ND85/NQL8
NSOD406	406.4	12.7	328	419	374	NSD10/N125
NSOD508	508.0	15	412	526	470	ND475/SD15
NSOD609	609.6	15	513	637	570	ND525/SD18

Eccentric Overburden Drilling Equipment

Type	① Casing Tube	② Drill Pipe	③ Guide Sleeve	④ TH-hammer	⑤ Casing Shop	⑥ Guide Device	⑦ Reamer	⑧ Pilot bit
NOD90	Maximun: 115mm Minmum: 102mm	Connection Thread: API2 $\frac{3}{8}$ " Reg O.D: 76mm Wrench Flats: 65mm	Effective length: 174mm	ND35, Cop32, IR3.5, NQL30	L3=90mm L4=55mm D3=101.7m m D4=93mm	L1=35mm L2=138mm D1=92mm D2=100mm	D5=91mm L5=70mm Reaming Diameter: 123mm Reamer has 4X Φ 12 buttons	D6=90mm L6=59mm Gauge button 8 X Φ 12 Front button 6 X Φ 10
NOD115	Maximun: 142mm Minmum: 128mm	Connection Thread: API2 $\frac{3}{8}$ " Reg O.D: 76mm Wrench Flats: 65mm	Effective length: 174mm	ND45, Cop44, NSD4, DHD340A, NQL40, NM4	L3=76mm L4=55mm D3=127.5m m D4=117mm	L1=48mm L2=136mm D1=115mm D2=126mm	D5=114mm L5=89mm Reaming Diameter: 152mm Reamer has 5X Φ 14 buttons	D6=114mm L6=67mm Gauge button 8 X Φ 14 Front button 6 X Φ 12
NOD140	Maximun: 168mm Minmum: 155.40mm	Connection Thread: API2 $\frac{3}{8}$ " Reg O.D: 89mm Wrench Flats: 65mm	Effective length: 205mm	ND55, Cop54, NSD5, DHD350R, NQL50	L3=90mm L4=63mm D3=155.3m m D4=143mm	L1=55mm L2=160mm D1=141mm D2=154mm	D5=138mm L5=69.5mm Reaming Diameter: 185mm Reamer has 7X Φ 14 buttons	D6=138mm L6=66mm Gauge button 8 X Φ 16 Front button 8 X Φ 14
NOD165	Maximun: 193.70mm Minmum: 181mm	Connection Thread: API2 $\frac{1}{2}$ " Reg O.D: 114mm Wrench Flats: 65mm	Effective length: 225mm	ND65, Cop64, NSD6, DHD360, NQL60	L3=95mm L4=55mm D3=181.5m m D4=166mm	L1=61.5mm L2=181.5mm D1=165mm D2=178mm	D5=164mm L5=79.5mm Reaming Diameter: 211mm Reamer has 7X Φ 14 buttons	D6=165.80m m L6=82.50mm Gauge button 8 X Φ 16 Front button 8 X Φ 16
NOD190	Maximun: 219mm Minmum: 205mm	Connection Thread: API2 $\frac{1}{2}$ " Reg O.D: 114mm Wrench Flats: 95mm	Effective length: 225mm	ND65, Cop64, NSD6, DHD360, NQL60	L3=110mm L4=70mm D3=204.7m m D4=193mm	L1=62.8mm L2=185mm D1=191mm D2=203mm	D5=164mm L5=79.5mm 211mm Reamer has 7X Φ 14 buttons	D6=165.80m m L6=82.50mm Gauge button 8 X Φ 16 Front button 8 X Φ 16
NOD240	Maximun: 273mm Minmum: 260.4mm	Connection Thread: API2 $\frac{1}{2}$ " Reg O.D: 114mm Wrench Flats: 95mm	Effective length: 343mm	ND85, Cop84, NSD8, DHD380, NQL80	L3=110mm L4=65mm D3=259mm D4=241mm	L1=70mm L2=190mm D1=240mm D2=257mm	D5=238mm L5=100mm Reaming Diameter: 308mm Reamer has 16X Φ 16 buttons	D6=240mm L6=89.50mm Gauge button 12 X Φ 18 Front button 32 X Φ 16
NOD280	Maximun: 324mm Minmum: 305mm	Connection Thread: API2 $\frac{1}{2}$ " Reg O.D: 114mm Wrench Flats: 95mm	Effective length: 305mm	NSD10, NUMA100	L3=125mm L4=75mm D3=304mm D4=281mm	L1=97mm L2=254mm D1=280mm D2=303mm	D5=266mm L5=120mm Reaming Diameter: 378mm Reamer has 22X Φ 18 buttons	D6=280mm L6=135mm Gauge button 12 X Φ 18 Front button 27 X Φ 16

Hole Opener Bits

In construction often encountered in the original hole, or the need for a second drilling hole into the situation, at this time need to enlarge the hole.

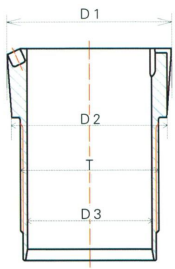
In view of this situation, our company designed a reamer bit, and added a guide head in the center of the drill striking surface, which solved the problem that the impactor could not operate normally due to the high-pressure air leakage in the reaming hole, and ensured that the back opening was concentric with the original hole.

Different reaming bits are selected according to the different requirements of the drill.

The drill bit shall be selected according to the original hole diameter and hole diameter.

Our company can customize according to customers' needs.

Inner Opener Bits



D1(mm)	D2(mm)	D3(mm)	Gauge button	Front button	Thread
125	118	88	16	14	T104.5
140	133	108	16	14	T122
152	133	108	16	14	T122
172	165	133	16	14	T146.5
225	216	178	16	14	T203

Thread Opener Bits



D1 (mm)	D2 (mm)	Thread
76	26	R32
89	43	R32
102	43	R38
115	76	R38
102	43	T38
115	76	T38
127	76	T45
140	89	T45
165	102	T51

DTH Opener Bits



D(mm)	D1(mm)	Gauge	Front	Shank
165	82	14	14	DHD340
178	99	16	14	SD4 QL40
190	115	16	14	DHD350
216	138	16	14	SD5 QL50
254	159	16	14	DHD360
305	208	16	16	SD6
381	296	16	16	QL60
305	208	16	16	DHD380
381	296	16	16	SD8 QL80
445	305	18	16	SD10
482	311	18	16	NUMA100
660	445	19	18	SD12 NUMA120

Thread Bits

The thread connecting drill bit is a kind of drill bit which is connected with the drill rod by the thread of pants, which can realize the impact and rotation transfer of the drill and break the rock.

The ABT thread bit USES advanced hot insert technology and optimized product design with less than 3% broken teeth and less than 0.1% off.

Cemented carbide adopts advanced high temperature reduction, high temperature carbonization process and good wear resistance.

There are several models that match the connection impactor specifications.

And can be customized as required.

R32	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diameter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Flat Face Bit	45	113	3	2	Round Button+ Round Button	6XØ9	3XØ8
	Flat Face Bit	64	130	2	-	Round Button+ Round Button	6XØ10	4XØ9
Retrac Button Bit	Flat Face Bit	51	130	3	-	Round Button+ Round Button	6 XØ10	3 XØ9

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

R38	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diameter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Flat Face Bit	76	135	2	2	Round Button+ Round Button	8XØ12	4XØ12
	Flat Face Bit	89	145	2	2	Round Button+ Round Button	8XØ12	6XØ12
 Retrac Button Bit	Flat Face Bit	64	140	3	-	Round Button+ Round Button	6XØ11	3XØ9

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

R42	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Flat Face Bit	65	145	1	2	Round Button+ Round Button	5XØ10	3XØ10
	Flat Face Bit	75	145	2	2	Round Button+ Round Button	6XØ10	4XØ10

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

T38	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Flat Face Bit	64	130	2	2	Round Button+ Round Button	6XØ10	4XØ9
	Flat Face Bit	76	130	2	2	Round Button+ Round Button	6XØ11	4XØ10
 Retrac Button Bit	Flat Face Bit	76	160	2	-	Round Button+ Round Button	8XØ11	6XØ10
	Center Drop Bit	76	160	4	-	Round Button+ Round Button	8XØ11	6XØ10
	Center Drop Bit	89	170	4	-	Semi-Ballistic Button+Semi-Ballistic Button	8XØ12	4XØ11 +2XØ10
T45	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Flat Face Bit	76	140	2	2	Round Button+ Round Button	8XØ12	4XØ10
	Flat Face Bit	102	150	2	2	Round Button+ Round Button	8XØ13	6XØ12
 Retrac Button Bit	Convex Face	115	160	2	2	Round Button+Ballistic Button	8XØ14	6XØ14
	Center Drop Bit	89	160	4	-	Ballistic Button+Ballistic Button	8XØ12	4XØ12 +2XØ10
T51	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front

 Standard Button Bit	Center Drop Bit	89	155	4	-	Semi-Ballistic Button+Semi-Ballistic Button	8XØ12	4XØ12+2XØ11
	Flat Face Bit	115	160	2	2	Round Button+Ballistic Button	8XØ14	6XØ13
	Center Drop Bit	127	165	4	-	Round Button+Round Button	8XØ14	4XØ14+3XØ13
Retrac Button Bit	Center Drop Bit	89	170	4	-	Ballistic Button+Ballistic Button	8XØ12	4XØ12+2XØ11
	Center Drop Bit	102	180	4	-	Ballistic Button+Ballistic Button	8XØ13	4XØ13+2XØ12
	Flat Face Bit	115	185	2	2	Round Button+Round Button	8XØ14	6XØ13

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

ST68	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Center Drop Bit	115	220	4	-	Semi-Ballistic Button+Semi-Ballistic Button	8XØ14	4XØ14+3XØ12
	Convex Face	127	225	2	2	Round Button+Ballistic Button	8XØ16	4XØ15+3XØ14
	Convex Face	140	230	2	2	Round Button+Ballistic Button	8XØ18	4XØ16+4XØ14
 Retrac Button Bit	Plum blossom trough	102	212	3	-	Round Button+Round Button	9XØ13	9XØ11
	Plum blossom trough	115	212	3	-	Round Button+Round Button	9XØ14	10XØ12
	Plum blossom trough	127	212	3	-	Round Button+Round Button	9XØ16	10XØ14

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

ST58	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Retrac Button Bit	Convex Face	102	180	2	2	Round Button+ Round Button	8XØ14	4XØ13+3XØ12
GT60	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Flat Face Bit	102	180	2	2	Round Button+ Round Button	8XØ14	5XØ13
 Retrac Button Bit	Center Drop Bit	102	185	4	-	Round Button+ Round Button	8XØ14	4XØ13+2XØ12

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

P57	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Flat Face Bit	65	146	1	2	Round Button+ Round Button	5XØ11	3XØ10
	Convex Face	66	146	2	2	Semi-Ballistic Button+Semi-Ballistic Button	6XØ11	6XØ10
P89	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Convex Face	130	194	3	6	Round Button+ Round Button	9XØ15	9XØ14
	Flat Face Bit	130	194	3	3	Round Button+ Round Button	9XØ15	8XØ14
P96	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Convex Face	116	184	3	6	Round Button+ Ballistic Button	9XØ14	6XØ14
	Convex Face	130	194	3	6	Round Button+ Ballistic Button	9XØ15	9XØ14

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.

T89	Head shape	Diameter (mm)	Bit length (excluding alloy)	NO.of flushing holes		NO X button diamter		
				Front	Side	Toothed	Gauge	Front
 Standard Button Bit	Flat Face Bit	105	106	2	4	Round Button+ Round Button	4XØ14	4XØ13

We can design and manufacture according to customers requirement of the bit diameter,the NO.of air holes,carbide buttons and the face shape.