

ANCHORING CASING DRILLING TOOLS

It is mainly realized by matching the corresponding drilling tools with the percussive rotary power head of the drilling rig

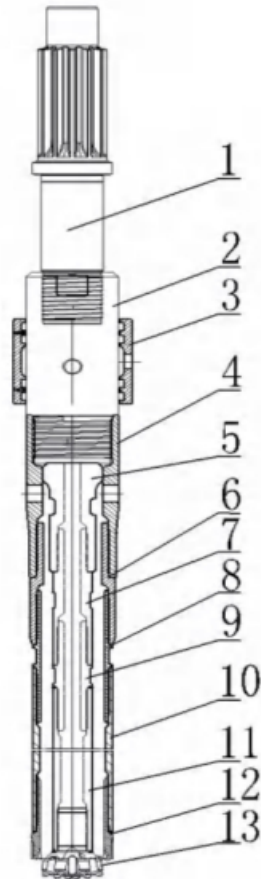
System features :

1. Low construction cost, no need air compressor, reduce fuel consumption;
2. The borehole is stable by the protection of external tube, internal rod and percussion bit drilling within the external tube ensure the borehole's straightness and stability.
3. Environmental, rain water and ground water are recycled to avoid dust especially applied in down town areas
4. Multi-angle drilling for vertical, horizontal and inclined holes.

Application

Foundation pit support, foundation reinforcement, border city support, tunnel pipe shed, etc.

System composition



NO	Name
1	Shank adapter
2	Flushing shaft
3	Flushing ring
4	Flushing adapter
5	Balancing rod
6	Nipple for external tube
7	Nipple for internal rod
8	External tube adapter
9	Internal rod adapter
10	Casing tube
11	Drilling rod
12	Crown bit
13	Inner bit

Component



SHANK ADAPTER



FLUSHING SHAFT



NIPPLE FOR EXTERNAL TUBE



BALANCING ROD



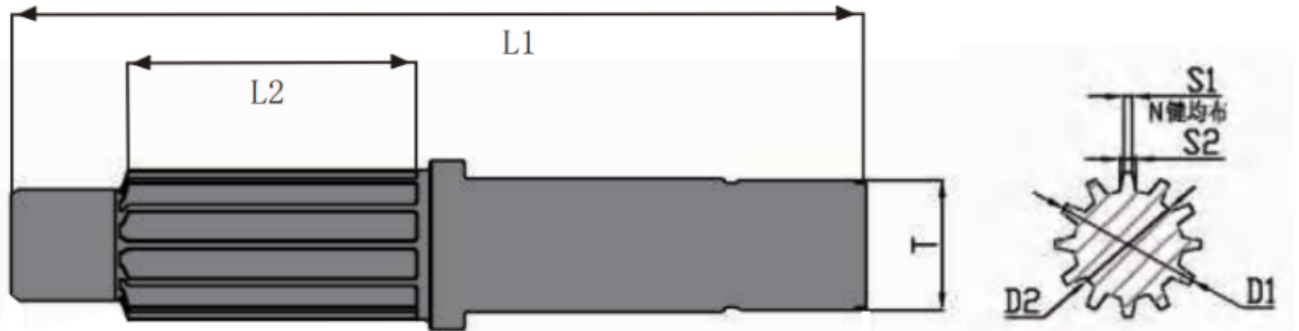
CROWN BIT



INNER BIT

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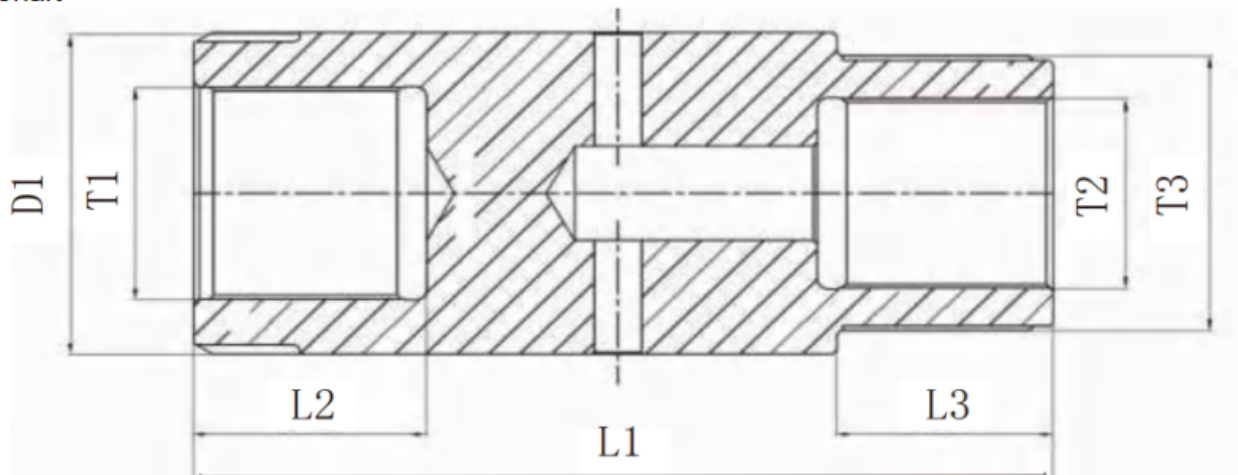
Shank adapter



L1 (MM)	L2 (MM)	T (THREAD)	D1 (MM)	D2 (MM)	S1 (MM)	S2 (MM)	N (SPLINE)	MODEL OF RIG	WEIGHT (KG)
580	109	65	80	65.5	15.2	18.7	6	CH-90	14
587	164.5	64	78	66	17.5	21	6	C6	16
725	195	90	88	65	10.9	15.4	8	C90	29
754	160	112	113	79	7	13.1	10	BAUER 803	46
690	195	112	113	80	8.2	12.9	10	BAUER 909	40
701	188	112	113	80	7	13.6	10	CY-150	42

The standard thread is left hand, other shank adapters are available upon request

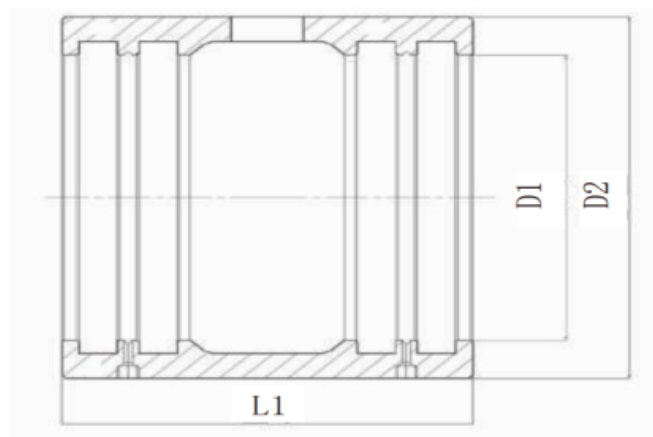
Flushing shaft



L1 (MM)	L2 (MM)	L3 (MM)	T1 (MM)	T2 (MM)	T3 (MM)	D1 (MM)	MATCHED SPLINE	WEIGHT (KG)
426	118	110	112	100	145	170	112	54.5

The standard thread is left hand, other shank adapters are available upon request

Flushing ring

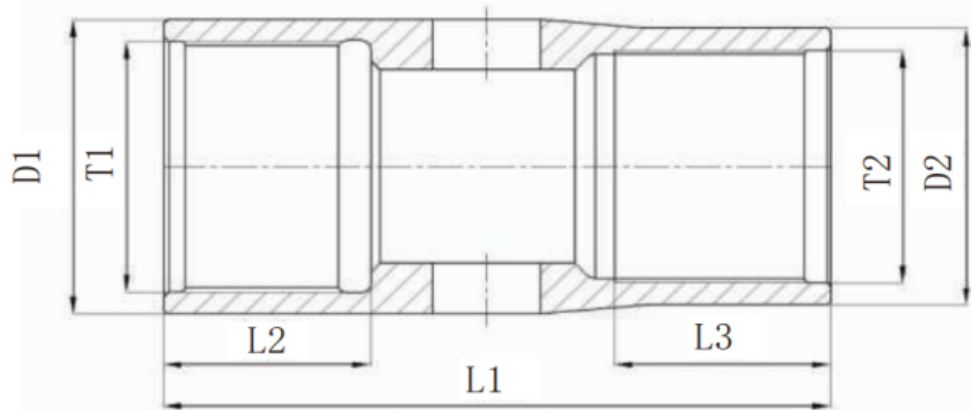


L1 (MM)	D1 (MM)	D2 (MM)	DIAMETER OF MATCHED AXLE (MM)	WEIGHT (KG)
192	172	218	170	16.3

Seal form can be customized.

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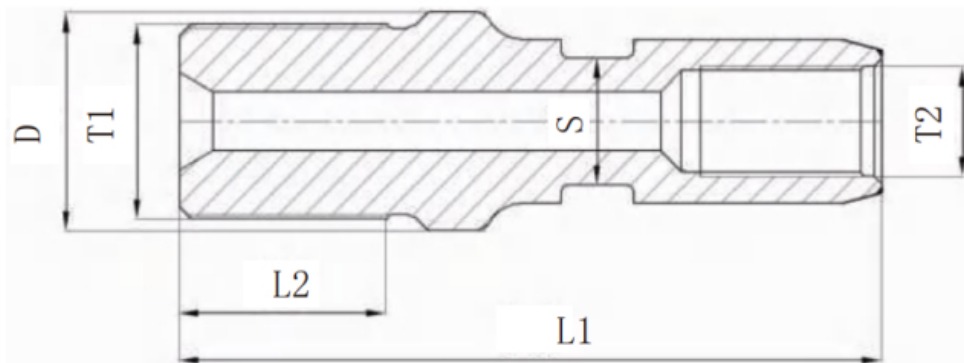
Flushing adapter



L1 (MM)	L2 (MM)	L3 (MM)	D1 (MM)	D2 (MM)	T1 (MM)	T2 (MM)	WEIGHT (KG)
370	115	120	170	160	145	134	25.5

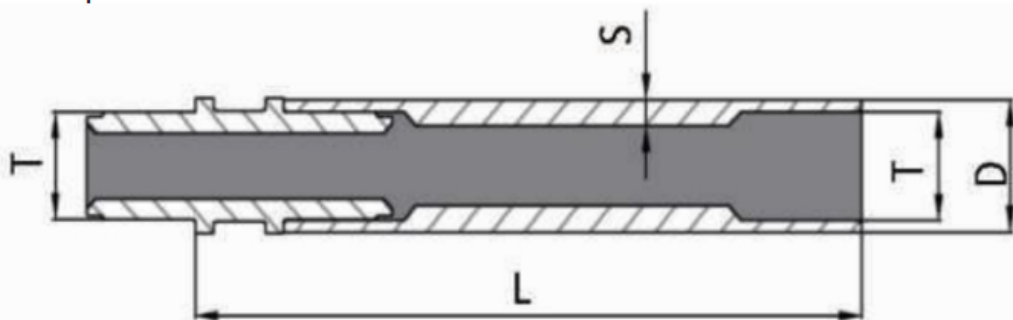
The standard thread is left hand

Blancing rod



L1 (MM)	L2 (MM)	D (MM)	T1 (MM)	T2 (MM)	S (MM)	MATCHED AXIES	WEIGHT (KG)	O.D. OF BLANCING ROD
368	130	112	100	56	65	R100	15.5	73MM
425	130	112	100	62	65	R100	17.4	76MM

Internal rod and adapter



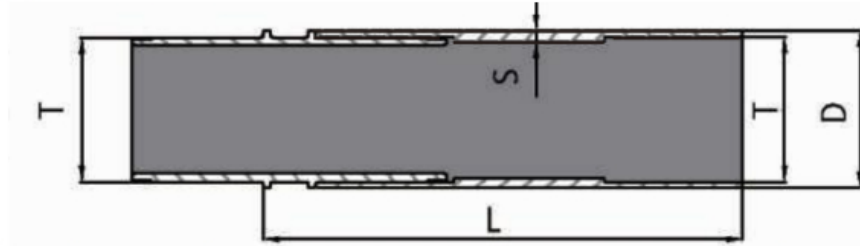
L (MM)	D (MM)	S (MM)	T (MM) THREAD	WEIGHT (KG)	PRODUCT NAME
2000	54	8.5	42	19	54 internal drilling rod
2000	76	10	56	32	76 internal drilling rod
1500	89	15	78	41	89 internal drilling rod
1500	102	15	90	48	102 internal drilling rod

1. The standard of thread is left-hand.

2. The standard of connection between rod and adapter is thread. friction welding connection is available upon request.

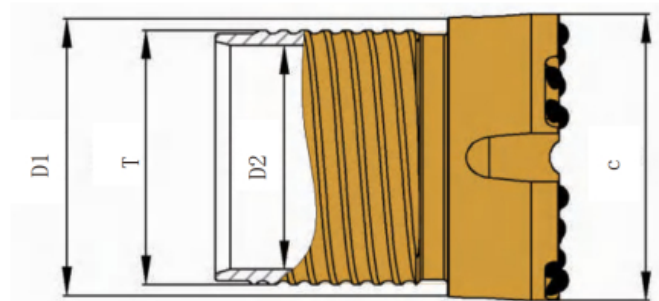
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Casing and adapter



L (MM)	D (MM)	S (MM)	T (MM) THREAD	WETIGHT (KG)	PRODUCT NAME
2000	102	9	90	41	102*2000mm external casing tube
2000	114	10	102	51	114*2000mm external casing tube
2000	133	10	122	60	133*2000mm external casing tube
1500	146	10	134	48	146*1500mm external casing tube
1500	168	12	154	67	168*1500mm external casing tube
1500	178	12	161	71	178*1500mm external casing tube

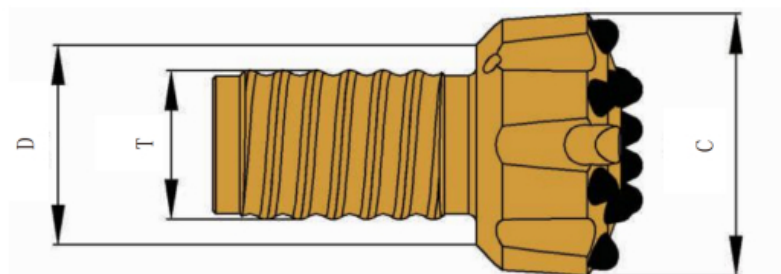
Crown bit



C (MM)	C (INCH)	D1 (MM) OUTER TUBE DIAMETER	D2 (MM) INNER ROD DIAMETER	D (MM)	T (MM) THREAD	WEIGHT (KG)	PRODUCT NAME
111	4 3/8	102	54	75	90	4	102 CROWN BIT
127	5	114	54	89	102	4.1	114 CROWN BIT
140	5 1/2	133	76	108	122	5.1	133 CROWN BIT
152	6	146	76	120	134	6	146 CROWN BIT
178	7	168	89	134	154	8.8	168 CROWN BIT
191	7 1/2	178	89	134	154	8.8	178 CROWN BIT

the standard thread is left hand

Inner bit



C (MM)	C (INCH)	D (MM) INNER ROD DIAMETER	OUTER TUBE DIAMETER (MM)	T (MM) THREAD	WEIGHT (KG)	PRODUCT NAME
65	2 1/2	54	102	42	1.7	102 inner bit
76	3	54	114	42	2.4	114 inner bit
102	4	76	133	56	3.4	133 inner bit
108	4 1/4	76	146	56	3.7	146 inner bit
115	4 1/2	89	168	78	6.1	168 inner bit
120	4 3/4	89	178	78	6.5	178 inner bit