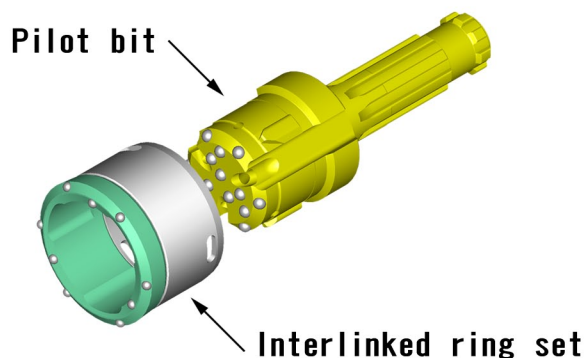


ULTRA MAXBIT

MULTI-PURPOSE SYSTEM FOR CASING ADVANCEMENT

Big Bore Ultra Maxbit

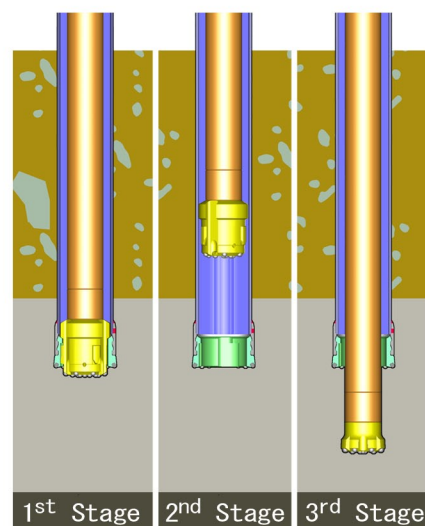
Structure and Feature



BIG BORE ULTRA MAXBIT will drill with larger diameter DTH bits than our original model. This new and improved model offers additional strength when requiring larger bore holes. BIG BORE casing advancement system is ideal for single pass and deeper cased holes.

Notes.

1. Interlinked Ring set is unable to be disconnected between Ring bit and Casing shoe.
2. Standard UMB are able to put on and remove by the thread structural design.



1st Stage; Drilling

2nd Stage; Pull out a pilot bit

3rd Stage; Re-drilling into rock

Applications

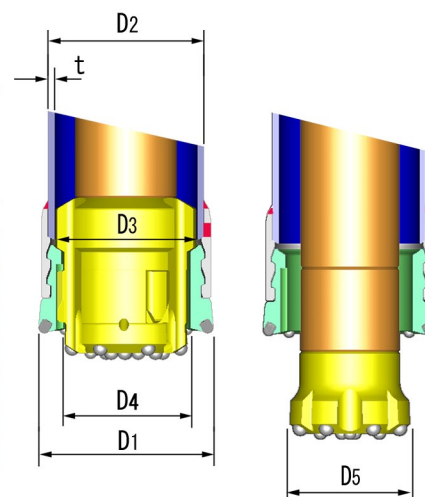
The BIG BORE ULTRA MAXBIT can be used for, but is not limited to the following applications: water well drilling, micro-piling, oil well drilling, foundation drilling, marine work, anchoring, tunneling and horizontal drilling.

This revolutionary casing advancement system successfully drills through sand, clay, boulders and rock, making your job as efficient as possible.

Dimensions

When ordering, the casing diameter (O.D. and I.D.), hammer size and type is required (see D4)

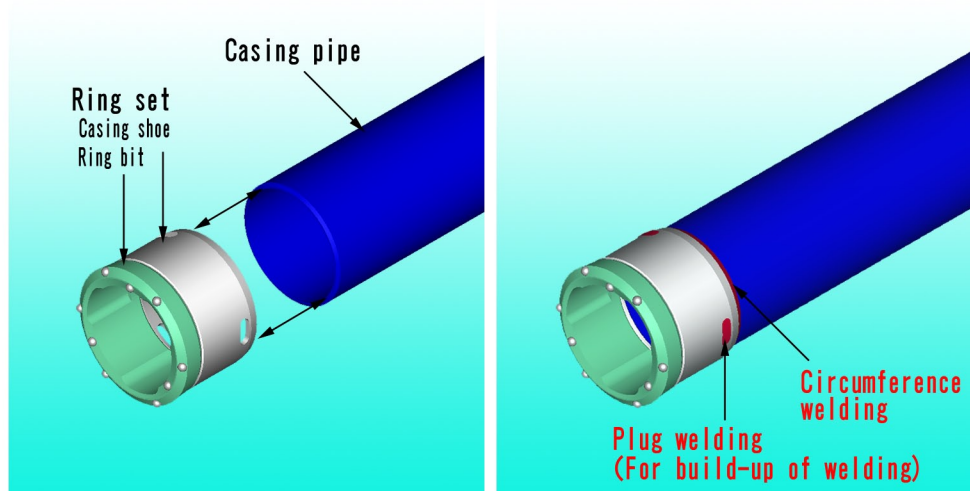
Type	Casing pipe		Pilot bit maximum outer diameter	Ring bit inner diameter	Bit gauge diameter	Hammer size	Bit gauge diameter for passing through
	outer diameter	wall thickness					
	D2 (mm)	t (mm)	D3 (mm)	D4 (mm)	D1 (mm)	(in.)	D5 (mm)
092L	114.3	5.6	101.5	92	134	3"	85 90
116L	139.8	5.6	127	116	157	4"	110 115
141L	168.3	5.6	155	141	188	5"	134 140
167L	193.7	6.3	179	167	212	6"	159 165
192L	219.1	6.3	204	192	237	6"	185 191
242L	273.0	8.0	255	242	296	8"	235 240
284L	323.9	10.0	301	284	348	10"	270 279



*Custom designs and sizes available upon request

Welding Ring Set

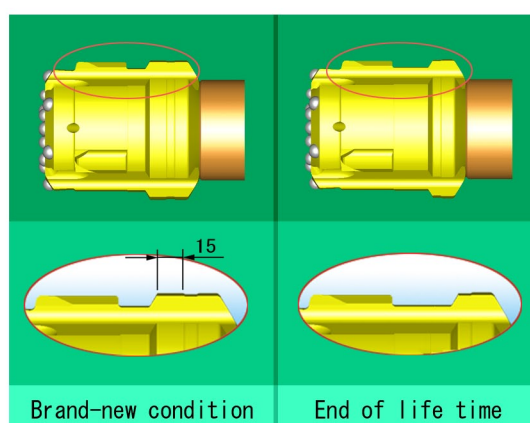
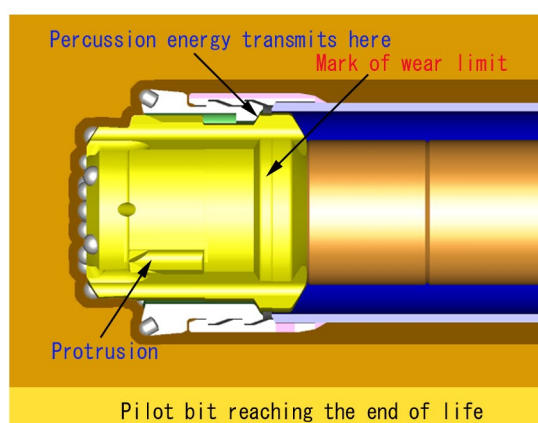
When connecting the ring set (ring bit and casing shoe) to the casing pipe, it should be adjusted and centered correctly to the welding. For additional information concerning welding the casing shoe, refer to pages 6 & 7 of the User's Manual (GK23A).



Bit life maintenance

The pilot bit of the BIG BORE ULTRA MAXBIT receives energy from the hammer and transmits that energy into the ground conditions. As drilling progresses and wear increases on the pilot bit and ring bit, eventually both the pilot and ring bit will reach the end of their life. Continuous use of the pilot bit after bit life has ended may cause various drill problems. Therefore, conducting a periodic check of the pilot bit and ring bit is crucial and mandatory.

Abnormal wear may be caused by difficult drilling conditions or improper use of the system. If the wear pattern reaches the detection groove (see illustration to right), stop using immediately. Additionally, products repaired with "build up welding" or products altered in anyway can not be guaranteed. To ensure extended life of the pilot and ring bit, contact your sales and technical representative for additional education and information.



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