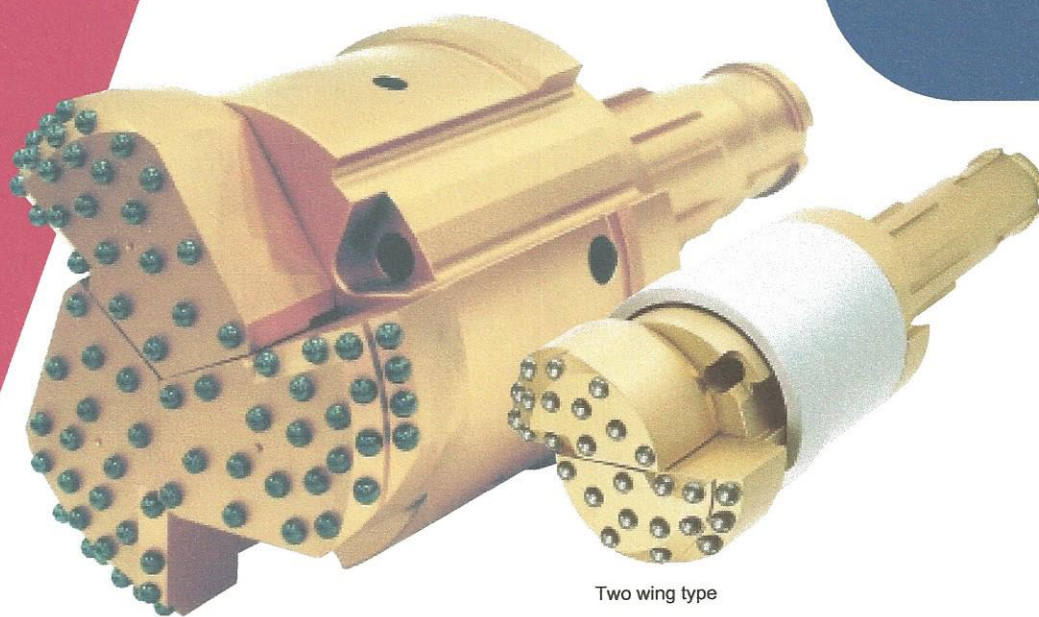


DIABIT

GK11C

THE COMPLETELY BALANCED DRILLING SYSTEM IN OVERBURDEN DRILLING

SUPER MAXBIT



Three wing type

Two wing type

MITSUBISHI
MITSUBISHI MATERIALS

SUPER MAXBIT

PATENTED

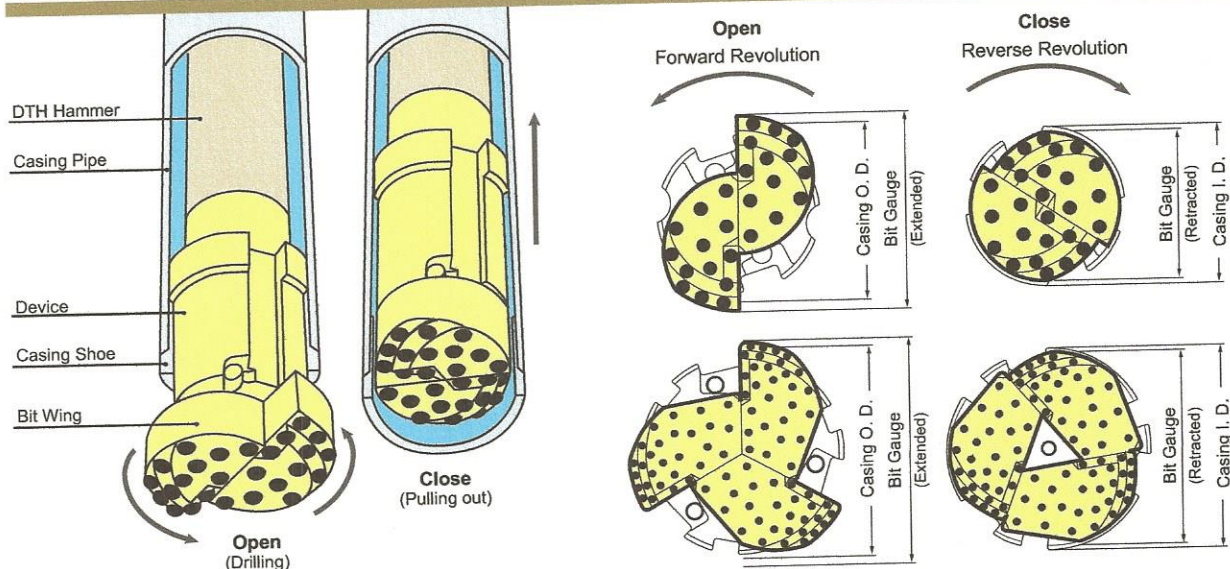
- Japan Pat.No.1676072
- U.S.A. Pat.No.5,113,954/No.5,139,099
- E.P.C. Pat.No.0444682/0468515
- Australia Pat.No.62910/644195
- South Africa Pat.No.91/1493/91/5804
- Finland Pat.No.91551/94891
- Patent Pending in 3 countries

The SUPER MAXBIT achieves a stable and balanced drilling system for various collapsing overburden formations. This is an advanced technology compared to the other eccentric drilling methods. It consists of two to three bit wings connected to the Down The Hole Hammer. The bit wings are extendable/retractable when the drill string rotates in the forward/reverse direction. Drilling and casing are possible simultaneously with the use of a casing shoe.

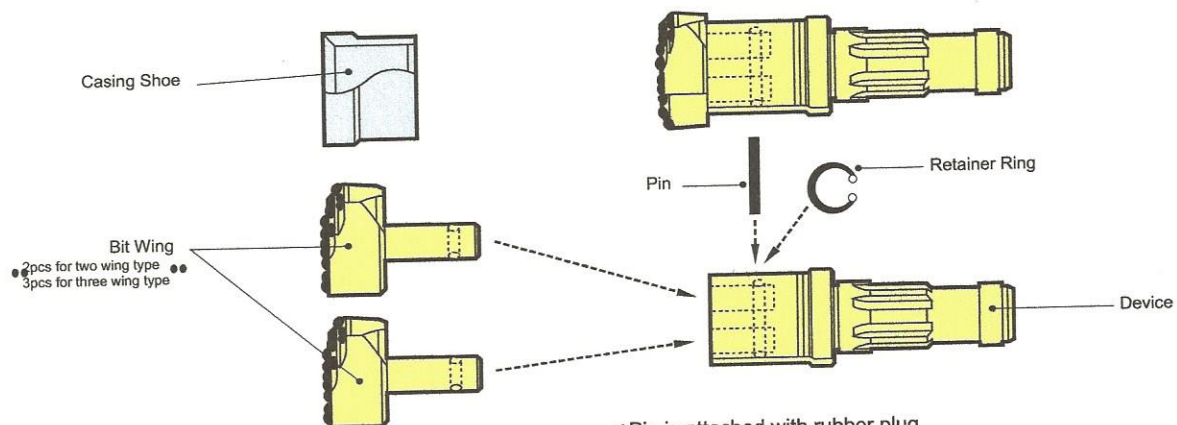
The SUPER MAXBIT has a following advantages:

- High-speed drilling similar to a standard DTH bit.
- Straight hole drilling.
- Uniform rotation while drilling of boulders, sand and gravel.
- Reliability of extending and retracting proven by customer experiences.

MECHANISM



COMPONENTS

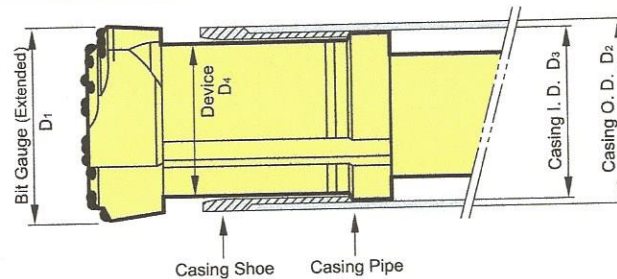


*Pin is attached with rubber plug.

*Retainer ring and rubber plug are not attached under 4" bit.

*Please be careful not to get your finger snapped when assembling.

• APPROPRIATE CASING AND HAMMER TYPE



Type	Two Wing	Three Wing	Bit gauge		Applicable casing pipe			Device O. D. D ₄	Hammer type	1	2	3	4	5
			Extended D ₁	Retracted	Max. O. D. D ₂	Min. I. D. D ₃	Nominal Size							
			mm	mm	mm	mm	in.	mm						
90	• •		125	91	114.3	102.3	4"	92	DHD3. 5, COP32, MACH33	↑		↑		↑
115	• •		152	114	141.3	126.6	5"	115	SD-4, DHD340AP, COP42, MACH44, N4					↑
140	• •		185	140	165.2	153.2	6"	141	SD-5, DHD350R, COP52, MACH50, N55					
165	• •		215	166	190.7	178.7	7"	167	SD-6, DH-6, COP62, N6					
187	• •		237	186	216.3	202.3	8"	187	SD-6, DH-6, COP62, N6					
215	• •		272	217	254.0	241.0	9"	218	SD-8, DHD380M, N80					
240		• •	290	238	273.1	254.5	10"	240	SD-8, DHD380M, N80		↑			
280		• •	340	281	318.5	301.7	12"	283	SD-10, DHD310M, N100					
315		• •	373	318	355.6	336.6	14"	320	SD-12, DHD112, N120					
365		• •	425	363	406.4	387.4	16"	365	SD-12, DHD112, N120					
410		• •	478	412	457.2	435.0	18"	414	SD-15, DHD112S, N120S					
460		• •	530	461	508.0	482.6	20"	463	SD-15, DHD112S, N120S, SD-18, N180	↓		↓		
510		• •	580	509	558.8	533.4	22"	511	SD-15, DHD112S, SD18, N180					
560		• •	630	559	609.6	584.2	24"	561	SD-18, DHD120A, N180					
600		• •	685	600	660.4	631.8	26"	603	DHD120A, N240					
650		• •	737	650	711.2	679.2	28"	652	DHD120A, N240					
695		• •	789	695	762.0	730.0	30"	697	DHD126, N240, N240S					
745		• •	842	744	812.8	780.8	32"	746	DHD126, N240S			↓		

*When ordering, information about casing diameters (O.D. and I.D.) is necessary.

*Order made bits can be manufactured upon request.

- 1 : Water Well
- 2 : Piling, Foundation
- 3 : Pipe Roof, Water Service, Water Remove, Anchoring
- 4 : Geothermal, Oil Well
- 5 : Fore Piling