

MEGABIT

ADVANCED CASING SYSTEM



OCMA
DRILLTECH
DOWN THE HOLE HAMMERS AND DRILLING EQUIPMENT



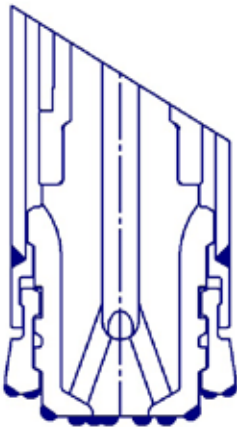
MEGABIT Concept

MEGABIT is the latest new and simple concentric product line designed and manufactured by OCMA DrillTech for drilling through overburden with casing. It can be used in all ground conditions and drilling applications as: Foundation construction, Piling construction, Water Well and Geothermal, Tunneling and Horizontal drilling.

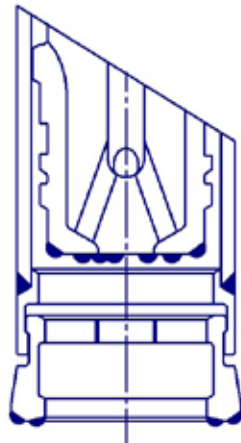
MEGABIT advantages

- Straight Holes and Fast penetration rate.
- Less torque in all ground conditions.
- Easy system to lock and unlock.
- Drilling at any angle required.
- More Holes and low investment

Easy system to lock and unlock



Lock Position



Unlock Position

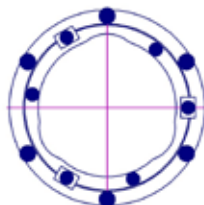


Three different types of ring bit for an easy choice.

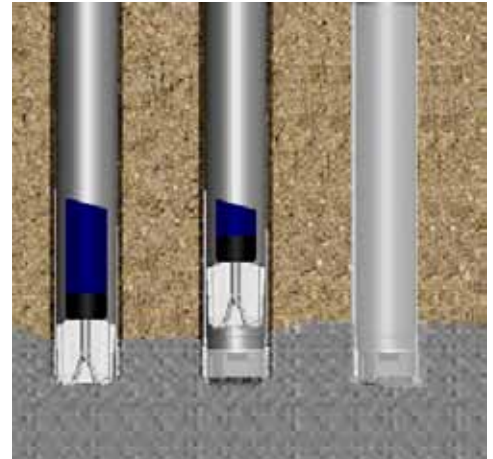
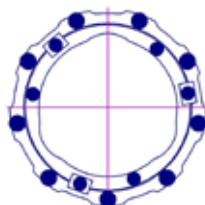
single use



standard

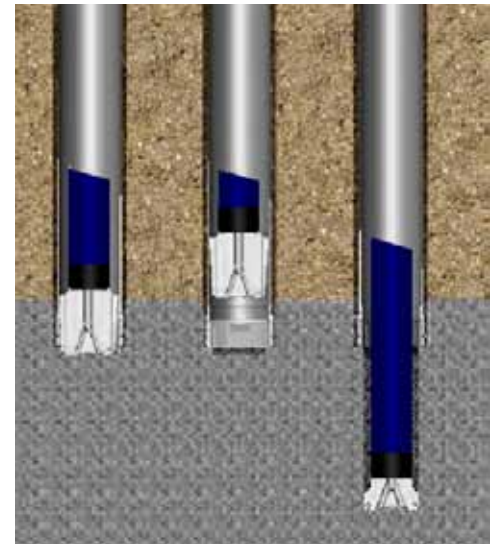


multi use



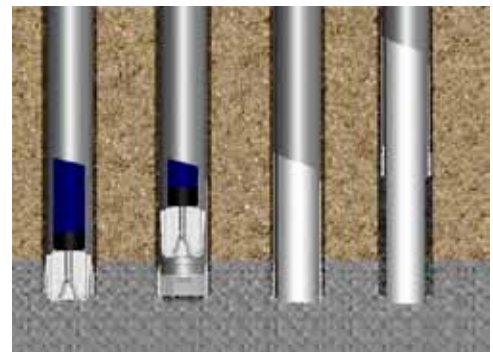
Single Use

Single Use ring is for permanent casing drilling applications. Used for soft ground and short drilling length.



Standard

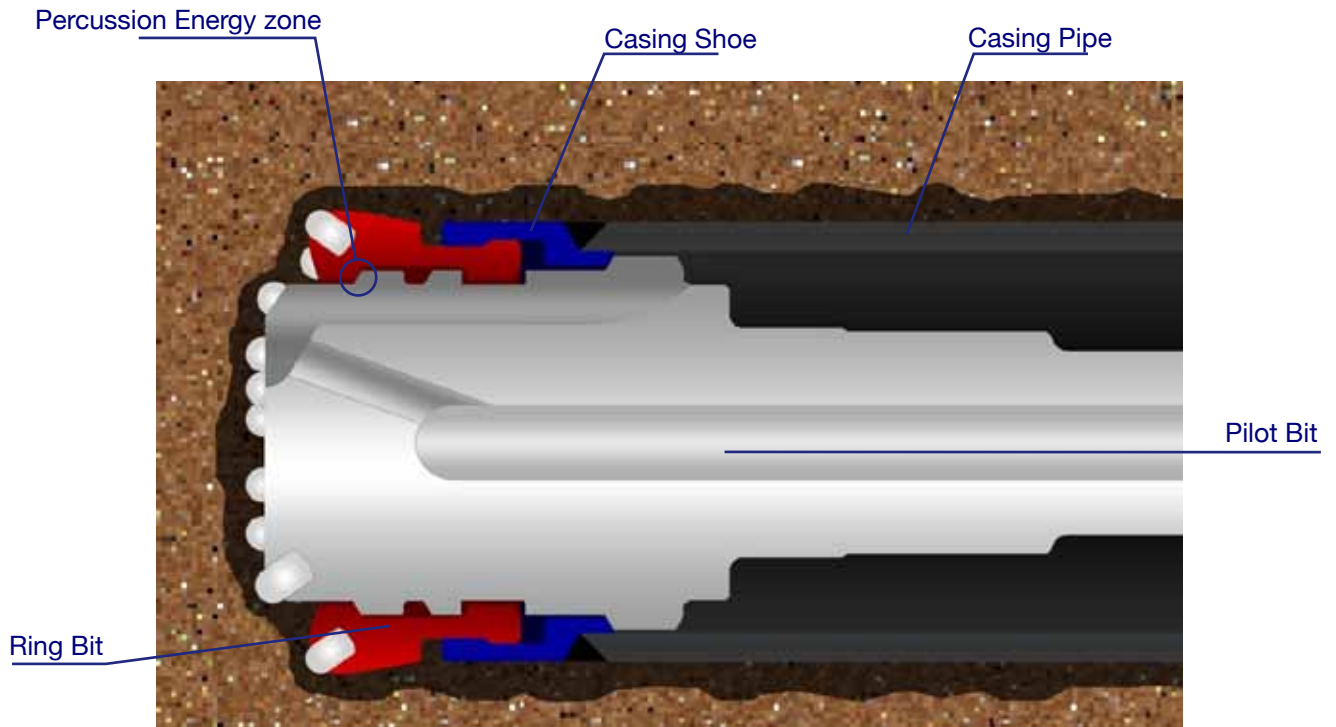
Robust design of the Heavy Duty ring bit. Used for longer drilling length and permanent drilling applications.



Multi Use

The Multi Use ring is used several times due to stronger composition for deep drilling length where the casing pipe is to be collected (Temporary Casing).

MEGABIT components



MEGABIT VS competitors systems

The advantage of MEGABIT Casing System compared with the competitors models is that the percussion Energy zone transmitted by the Pilot Bit to the Ring Bit is close to the ground and located near the bottom of the Ring Bit. This guarantees more Impact Energy on the Ring Bit for more penetration rate.



Application examples



Foundation construction



Piling construction

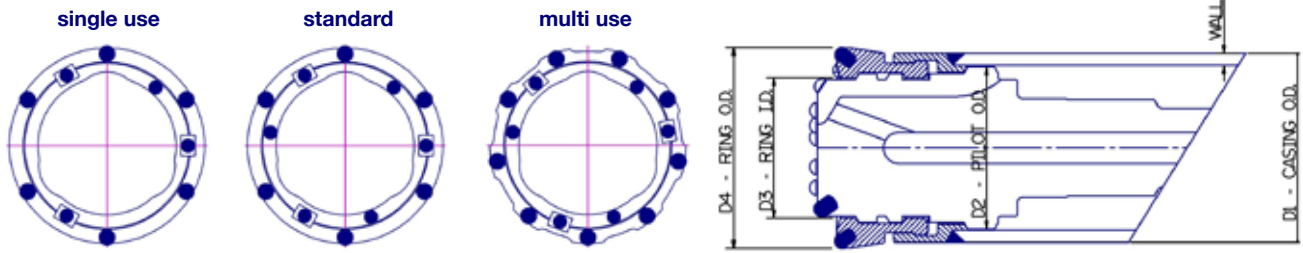


Water and Geothermal



Tunnel construction

MEGABIT dimensions



Dimensions Explanation (mm)

CASING PIPE Ø 114.3 mm (4 1/2")

Casing Pipe		Model	Ring Bit			Pilot Bit D2-O.D.	Hammer Size (In.)
D1-O.D.	Wall Max.		Type	D4-O.D.	D3-I.D.		
114.3	10.0	73SU	Single Use	127	73	92	3"
		73ST	Standard	127	73	92	
		73MU	Multi Use	124	73	92	
	6.0	82SU	Single Use	127	82	100	
		82ST	Standard	127	82	100	
		82MU	Multi Use	124	82	100	

CASING PIPE Ø 139.7 mm (5 1/2")

Casing Pipe		Model	Ring Bit			Pilot Bit D2-O.D.	Hammer Size (In.)
D1-O.D.	Wall Max.		Type	D4-O.D.	D3-I.D.		
139.7	10.0	98SU	Single Use	150	98	117.5	4"
		98ST	Standard	150	98	117.5	
		98MU	Multi Use	147	98	117.5	
	6.6	105SU	Single Use	152	105	125	
		105ST	Standard	152	105	125	
		105MU	Multi Use	152	105	125	

CASING PIPE Ø 168.3 mm (6 5/8")

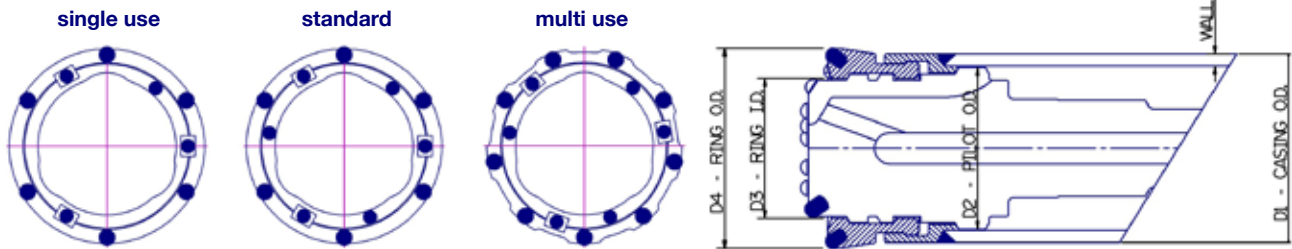
Casing Pipe		Model	Ring Bit			Pilot Bit D2-O.D.	Hammer Size (In.)
D1-O.D.	Wall Max.		Type	D4-O.D.	D3-I.D.		
168.3	12.7	118SU	Single Use	178	118	140	5"
		118ST	Standard	178	118	140	
		118MU	Multi Use	176	118	140	
	10.0	127SU	Single Use	178	127	146	
		127ST	Standard	178	127	146	
		127MU	Multi Use	176	127	146	
	8.0	126SU	Single Use	178	126	146	
		126ST	Standard	178	126	146	
		126ST	Multi Use	176	126	146	

CASING PIPE Ø 177.8 mm (7")

Casing Pipe		Model	Ring Bit			Pilot Bit D2-O.D.	Hammer Size (In.)
D1-O.D.	Wall Max.		Type	D4-O.D.	D3-I.D.		
177.8	12.7	128SU	Single Use	190	128	149	5"
		128ST	Standard	190	128	149	
		128MU	Multi Use	188	128	149	
	10.0	129SU	Single Use	190	129	149	
		129ST	Standard	190	129	149	
		129MU	Multi Use	188	129	149	

- All Megabits are available with spherical or ballistic buttons.
 - Special sizes are available according to the customer need.

Continue >>



Dimensions Explanation (mm)

CASING PIPE Ø 193.7 mm (7 5/8")

Casing Pipe		Model	Ring Bit			Pilot Bit D2-O.D.	Hammer Size (In.)
D1-O.D.	Wall Max.		Type	D4-O.D.	D3-I.D.		
193.7	12.7	143SU	Single Use	208	143	166	6"
		143ST	Standard	208	143	166	
		143MU	Multi Use	205	143	166	
	11.0	152SU	Single Use	208	152	170	
		152ST	Standard	208	152	170	
		152MU	Multi Use	205	152	170	
	6.0	157SU	Single Use	208	157	180	
		157ST	Standard	208	157	180	
		157ST	Multi Use	205	157	180	

CASING PIPE Ø 219.1 mm (8 5/8")

Casing Pipe		Model	Ring Bit			Pilot Bit D2-O.D.	Hammer Size (In.)
D1-O.D.	Wall Max.		Type	D4-O.D.	D3-I.D.		
219.1	12.7	170SU	Single Use	232	170	191	6"
		170ST	Standard	232	170	191	
		170MU	Multi Use	229	170	191	
	10.0	171SU	Single Use	232	171	191	
		171ST	Standard	232	171	191	
		171MU	Multi Use	229	171	191	

CASING PIPE Ø 244.5 mm (9 5/8")

Casing Pipe		Model	Ring Bit			Pilot Bit D2-O.D.	Hammer Size (In.)
D1-O.D.	Wall Max.		Type	D4-O.D.	D3-I.D.		
244.5	13.8	190SU	Single Use	258	190	214	8"
		190ST	Standard	258	190	214	
		190MU	Multi Use	254	190	214	
	12.7	191SU	Single Use	258	191	214	
		191ST	Standard	258	191	214	
		191MU	Multi Use	254	191	214	

CASING PIPE Ø 273.0 mm (10 3/4")

Casing Pipe		Model	Ring Bit			Pilot Bit D2-O.D.	Hammer Size (In.)
D1-O.D.	Wall Max.		Type	D4-O.D.	D3-I.D.		
273.0	12.7	219SU	Single Use	285	219	245	8"
		219ST	Standard	285	219	245	
		219MU	Multi Use	282	219	245	
	10.0	220SU	Single Use	285	220	245	
		220ST	Standard	285	220	245	
		220MU	Multi Use	282	220	245	
	8.0	232SU	Single Use	285	232	255	
		232ST	Standard	285	232	255	
		232ST	Multi Use	282	232	255	



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