

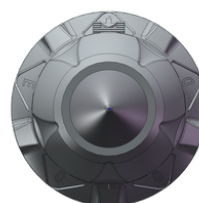
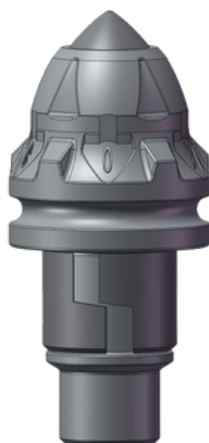
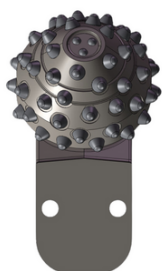
ECODRILL

ECOD



LAST UPDATED: 2024

DRILLING BUCKETS & TOOLS



PRODUCTION PLANT:

Wuhan, China

Round Shank Chisel (Bullet Teeth)

Product's Specification

Type	Part Code	Body Width	Tungsten Diameter	Body Height	Cone Shape	Application
Grade A+	BT6024K12	60mm	24mm	705mm	R65	Granite
Grade B	BT6024	60mm	24mm	705mm	R65	Lime Stone/ Granite
Grade C+	BT5522HF	55mm	22mm	705mm	R65	Granite
Grade C	BT5522	55mm	22mm	705mm	R65	Sand Stone
Grade D	BT5022	50mm	22mm	705mm	R65	Sand Stone
Tailor	N/A	Upon request				N/A



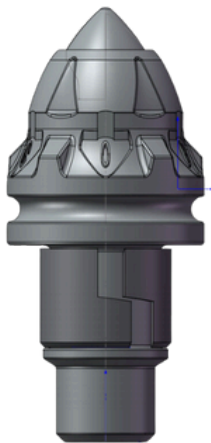
BT5522

E



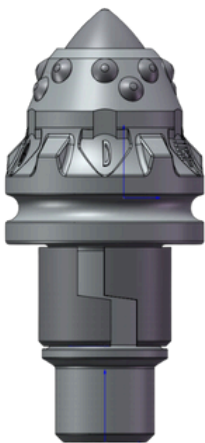
BT5522HF

C



BT6024

O



BT6024K12

D

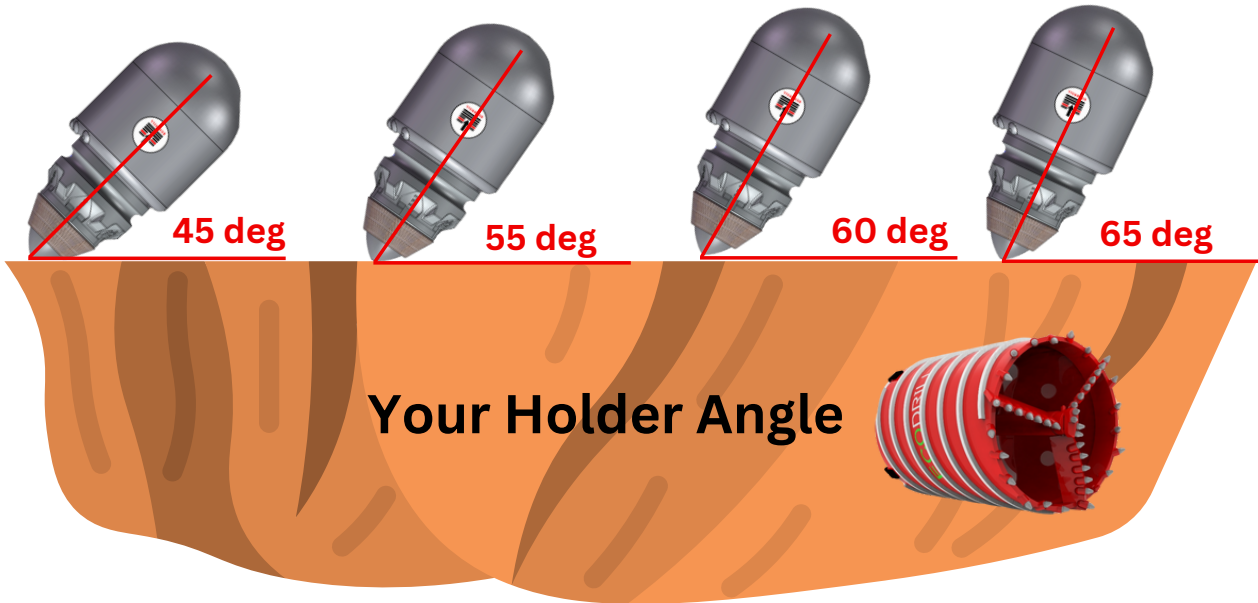
Your Jobsite Cutting Conditions



Type of Soil Conditions

Cutting Conditions	Description	Rock Compressive Strength Range (MPa)	Other Possible Characteristics	Rock Type Examples
Soil	Granular, cohesive, granular cohesion less soil depends upon percentage of silt and clay	-	No Plasticity/ Plasticity	Sand, Gravel, Clay, and Silt
Light	Very-soft to Soft, Poorly-Compacted, Highly Weathered, Un-Stratified Rock	0-35		Soapstone, Shale, Lignite
Medium	Soft to Medium-Hard, Weakly-Compacted, Moderately Weathered, Medium Bedded Rock	20-60		Limestone, Caliche, Bauxite, Anthracite, Marl (Mudstone)
Heavy	Medium-Hard to Hard, Moderately-Compacted, Slightly Weathered, Medium-Thickly Bedded Rock	50-100		Dolomite, Limestone
Severe	Very Hard, Well-Compacted, Slightly Weathered, Thickly Bedded Rock	>80		Granite, Basalt, Iron Ore (Hematite, Magnetite)
Abrasive	Generally-High Mohs Index Scale High Wear Condition	-	Contains Feldspar, Quartz	Sandstone

Source from Kennametal



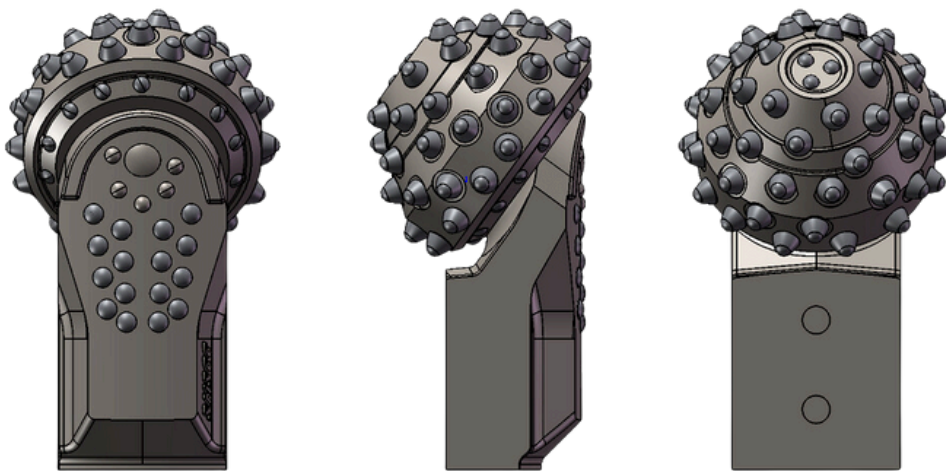
Round Shank Chisel (Bullet Teeth)

Suitable to high compressive strength rock profile (<80 MPa)

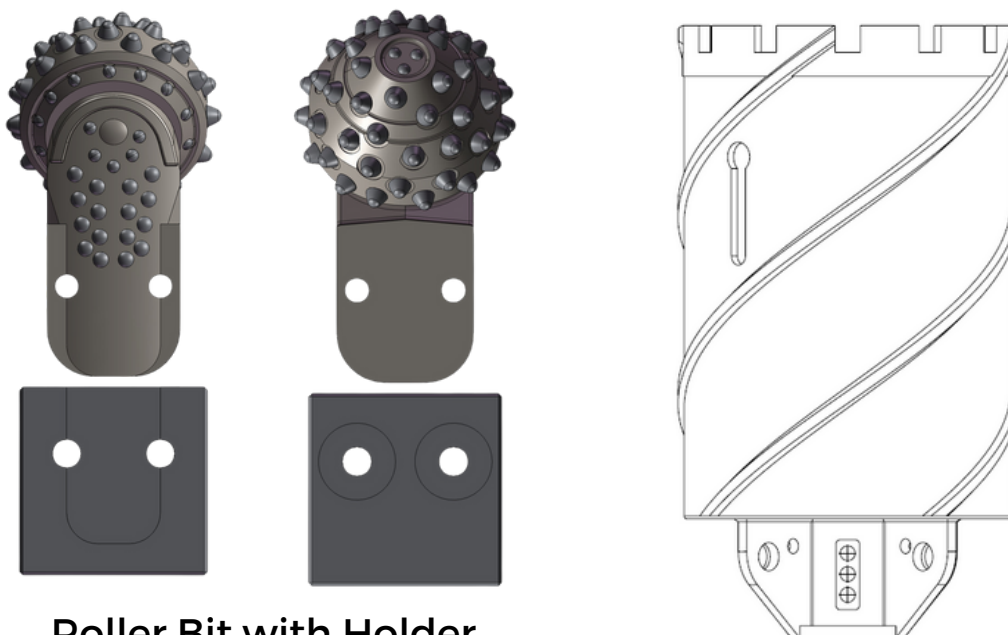


8.5" Roller Bits

Suitable to high compressive strength rock drilling.



Weldable Type Roller Bit



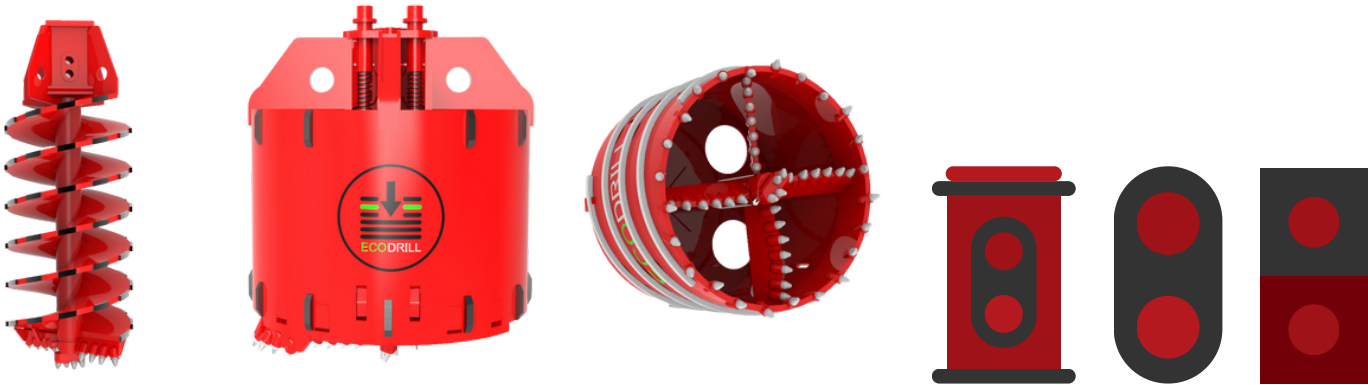
Roller Bit with Holder



Drilling Buckets Application

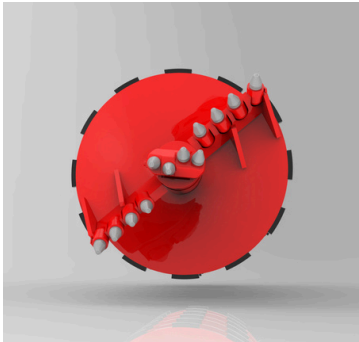
Drilling Tools consist of auger, bucket, core barrel, cleaning bucket. Different drilling function derives different application of bucket.

	Silt/Clay			Loose	Sand/Gravel		Very Dense	Rock (MPa)		
	Soft	Stiff	Hard		Medium Dense	Dense		0-50	50-100	>100
Augers	Auger			Auger						
		Auger with Collar			Auger with Collar					
							Auger with Rock Collar			
								Progressive Rock Auger		
Buckets	Bucket			Bucket						
		Bucket with Collar								
							Rock Bucket with Collar			
		Progressive Bucket			Progressive Bucket			Progressive Rock Bucket		
Core Barrels								Core Barrel w Bucket Teeth		
								Core Barrel w Chisel		
								Core Barrel w Roller Bit		



Auger Drill

Auger/SC&DC/FishTail&RP4/BT



Boring Dia (mm)	Blade Dia (mm)	Blade Distance (mm)	Blade Thickness (mm)	No of Teeth (pcs)	Single Cut Weight (kg)	Double Cut Weight (kg)
600	560	600	20/30	20+4	458	567
700	660	600	20/30	20+4	487	635
800	760	600	20/30	22+4	532	748
900	860	600	20/30	22+4	616	804
1000	960	600	20/30	24+4	673	914
1100	1060	600	20/30	26+4	758	989
1200	1160	600	20/30	28+4	801	1103
1300	1260	600	20/30	28+4	835	1190
1400	1360	600	20/30	30+4	870	1298
1500	1460	600	20/30	32+4	913	1399
1800	1760	600	20/30	36+4	1105	1820



Progressive Auger



Double Cut

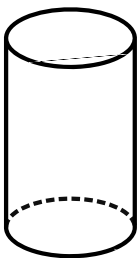
Self Displacement Bucket

SD/

Boring Dia (mm)	Bucket OD (mm)	Bucket Height (mm)	Bucket Thickness (mm)	No of Teeth (pcs)	Weight (kg)
600	520	1200	25 (900) + 40 (300)	7	830
700	620	1200	25 (900) + 40 (300)	9	950
800	720	1200	30 (900) + 40 (300)	10	1220
900	800	1200	30 (900) + 40 (300)	11	1400
1000	900	1200	30 (900) + 40 (300)	12	1540
1200	1100	1200	30 (900) + 40 (300)	14	2050
1500	1400	1200	30 (900) + 40 (300)	17	2750



Boring Bucket/ Soil Bucket

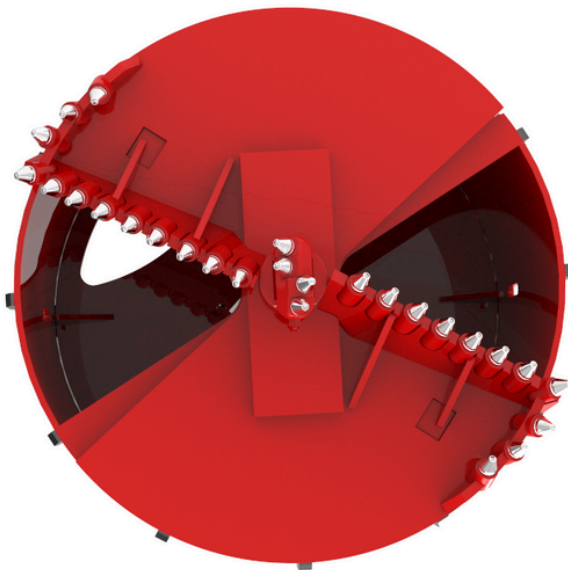
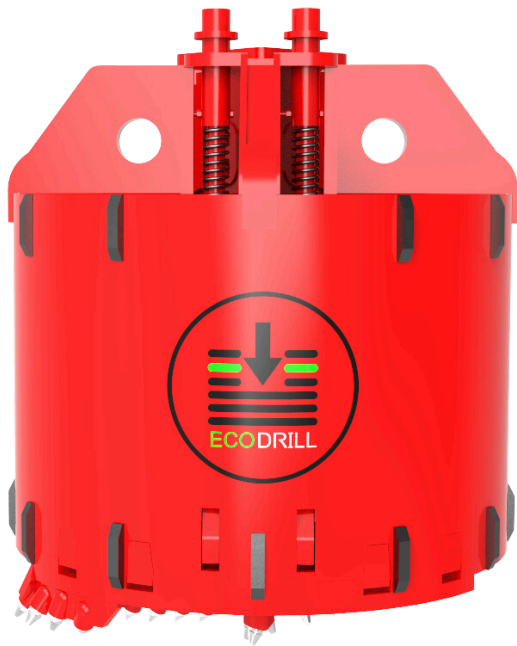


BB/FZ72, FZ80, 25T, V19, V20/ (Double Opening)

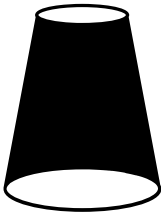
Boring Dia (mm)	Bucket OD (mm)	Bucket Height (mm)	Bucket Thickness (mm)	Plate Thickness (mm)	No of Teeth (pcs)	Weight (kg)
600	520	1200	20	T40/B50	6	795
700	620	1200	20	T40/B50	8	930
800	720	1200	20	T40/B50	8	1060
900	800	1200	20	T40/B50	12	1185
1000	900	1200	20	T40/B50	13	1470
1100	1000	1200	20	T40/B50	14	1625
1200	1100	1200	20	T40/B50	15	1800
1250	1150	1200	20	T40/B50	16	1910
1300	1200	1200	20	T40/B50	16	2000
1400	1300	1200	20	T40/B50	17	2200
1500	1400	1200	20	T40/B50	22	2425
1600	1500	1200	20	T40/B50	23	2620
1800	1700	1200	20	T50/T50	26	3510
2000	1900	1200	20	T50/T50	28	4125
2200	2100	1200	20	T50/T50	30	4820
2500	2400	1200	25	T50/T50	33	5730
2800	2700	1200	25	T50/T50	36	6800
3000	2900	1200	25	T50/T50	37	8650



Boring Bucket/ Soil Bucket



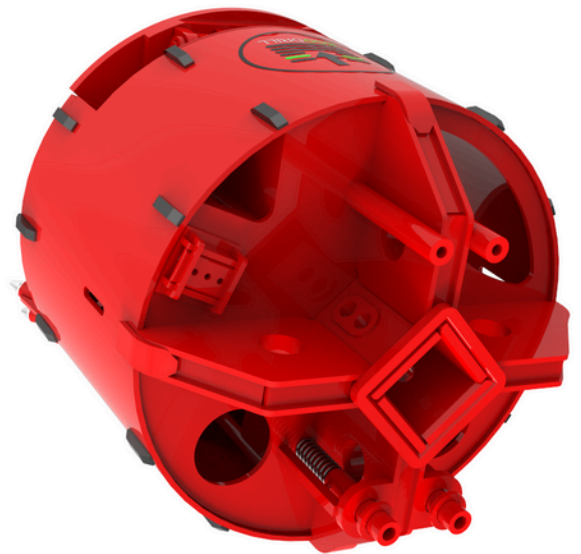
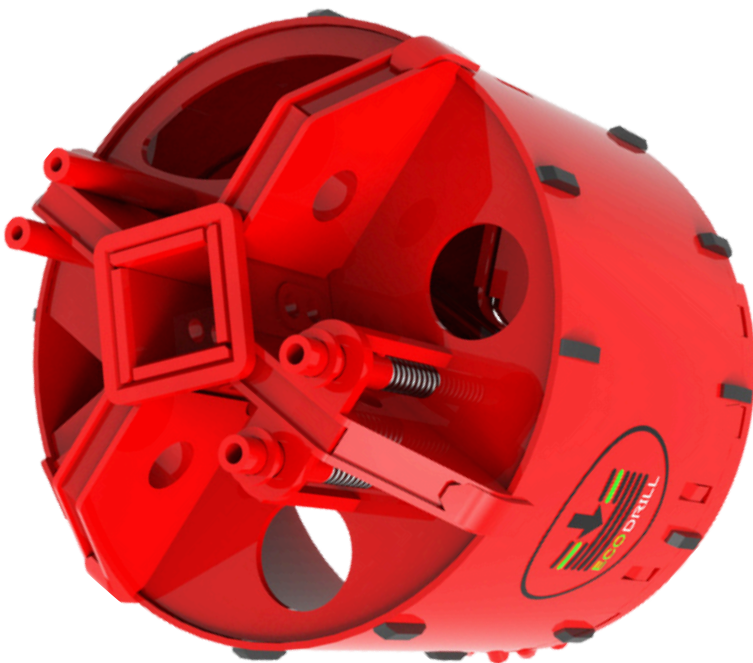
Boring Bucket/ Soil Bucket



BB/BT/ (Double Opening)

Cutting Dia (mm)	Bucket OD (mm)	Bucket Height (mm)	Bucket Thickness (mm)	Plate Thickness (mm)	No of Teeth (pcs)	Weight (kg)
600	520	1200	20	T40/B50	6	815
700	620	1200	20	T40/B50	8	940
800	720	1200	20	T40/B50	8	1080
900	800	1200	20	T40/B50	12	1195
1000	900	1200	20	T40/B50	13	1480
1100	1000	1200	20	T40/B50	14	1645
1200	1100	1200	20	T40/B50	15	1830
1250	1150	1200	20	T40/B50	16	1930
1300	1200	1200	20	T40/B50	16	2020
1400	1300	1200	20	T40/B50	17	2220
1500	1400	1200	20	T40/B50	22	2445
1600	1500	1200	20	T40/B50	23	2650
1800	1700	1200	20	T50/T50	26	3530
2000	1900	1200	20	T50/T50	28	4145
2200	2100	1200	20	T50/T50	30	4840
2500	2400	1200	20	T50/T50	33	5740
2800	2700	1200	20	T50/T50	36	6840
3000	2900	1200	20	T50/T50	37	8680

Boring Bucket/ Soil Bucket



Boring Bucket/ Soil Bucket

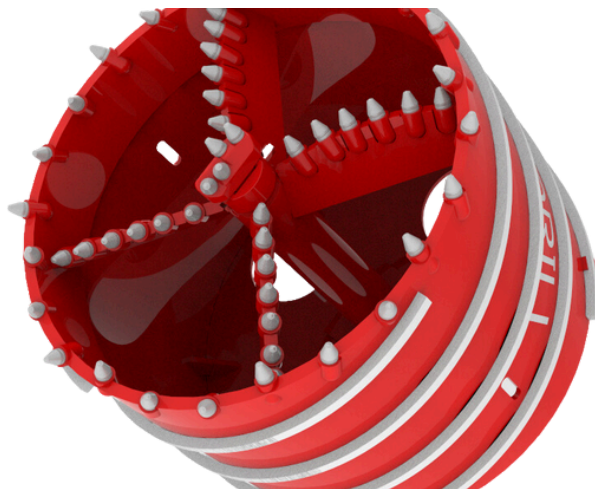
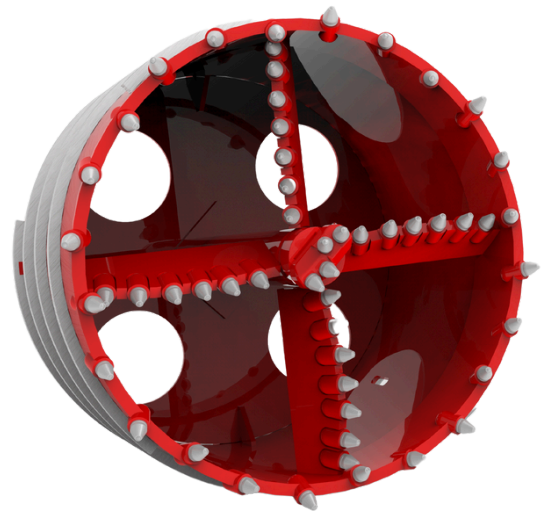


Core Barrel Bucket

CB/BT nos/Height

Boring Dia (mm)	Bucket OD (mm)	Teeth Arrangement	Bucket Thickness (mm)	No of Teeth (pcs)	1.5m Height/ Weight (kg)	1.8m Height/ Weight (kg)
600	520	ECI	20+40	9	730	815
700	620	ECI	20+40	12	845	945
800	720	ECI	20+40	15	952	1070
900	820	ECI	20+40	18	1085	1215
1000	920	ECEI	20+40	20	1185	1340
1100	1020	ECEI	20+40	20	1350	1515
1200	1120	ECEI	20+40	20	1485	1685
1250	1170	ECEI	20+40	24	1575	1775
1300	1220	ECEI	20+40	24	1585	1790
1400	1320	ECEI	20+40	28	1730	1950
1500	1420	ECEI	20+40	28	1855	2095
1600	1520	ECEI	20+40	28	2030	2280
1800	1720	ECEI	20+40	32	2410	2695
2000	1920	ECEI	20+40	32	2720	3040
2200	2120	ECEI	20+40	36	3040	3380
2400	2320	ECEI	20+40	40	3280	3665
2500	2420	ECEI	20+40	40	3490	3890
2800	2720	ECEI	20+40	40	4040	4490
3000	2920	ECEI	20+40	44	4455	4940

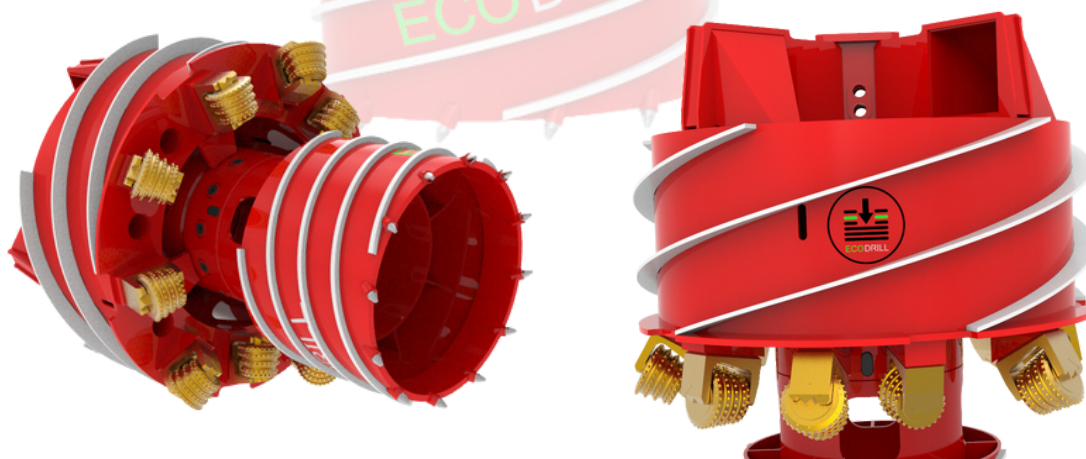
Core Barrel Bucket



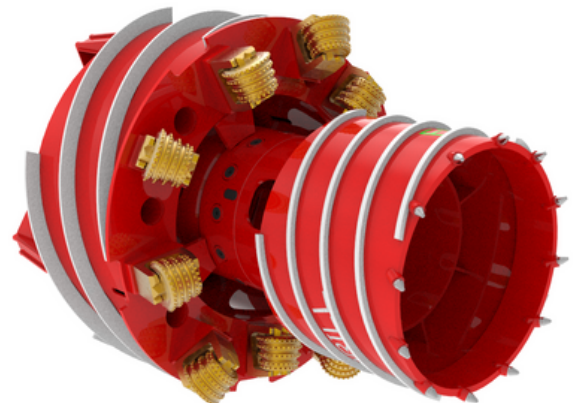
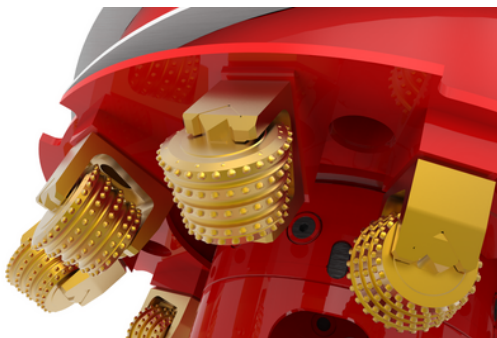
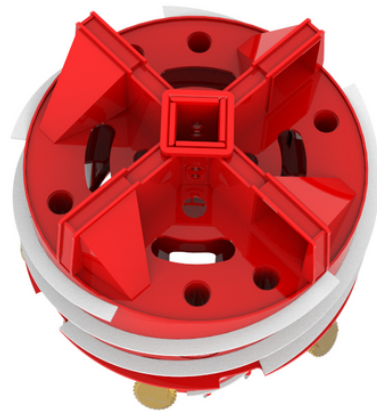
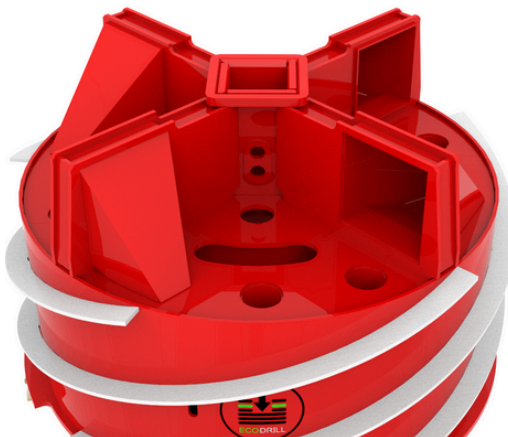
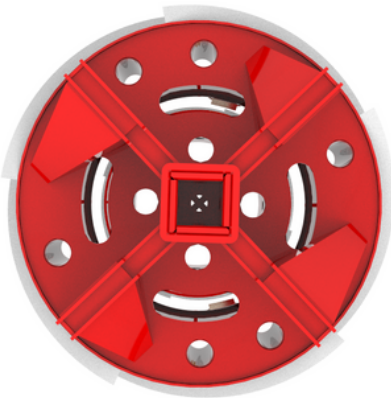
Core Barrel Bucket (Multi Layer)

CBS-CBD-CBT (custom)/BT-RB/

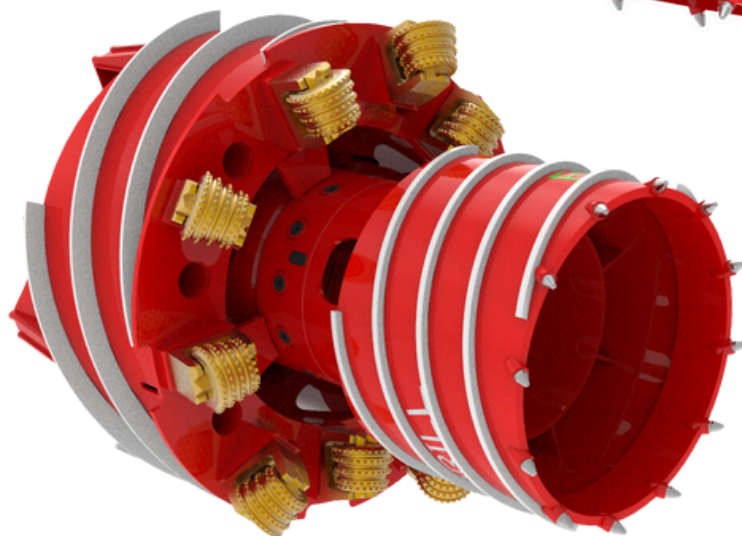
Boring Dia (mm)	Bucket OD (mm)	Bucket Thickness (mm)	No of Bit (pcs)	1.5m Height/ Weight (kg)	1.8m Height/ Weight (kg)
600	520	20+40	4	730	815
700	620	20+40	4	845	945
800	720	20+40	6	952	1070
900	820	20+40	6	1085	1215
1000	920	20+40	8	1185	1340
1100	1020	20+40	8	1350	1515
1200	1120	20+40	10	1485	1685
1250	1170	20+40	10	1575	1775
1300	1220	20+40	10	1585	1790
1400	1320	20+40	12	1730	1950
1500	1420	20+40	12	1855	2095
1600	1520	20+40	12	2030	2280
1800	1720	20+40	14	2410	2695
2000	1920	20+40	16	2720	3040
2200	2120	20+40	18	3040	3380
2400	2320	20+40	20	3280	3665
2500	2420	20+40	20	3490	3890
2800	2720	20+40	22	4040	4490
3000	2920	20+40	24	4455	4940



Core Barrel Bucket (Multi Layer)



Core Barrel Bucket (Multi Layer)



Cleaning Bucket

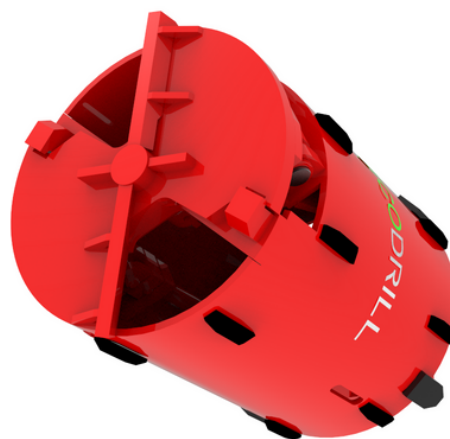
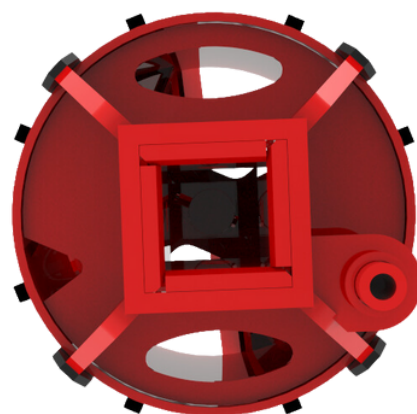
CB/Dia/Height

Boring Dia (mm)	Bucket OD (mm)	Bucket Height (mm)	Bucket Thickness (mm)	Plate Thickness (mm)	Weight (kg)
600	520	1200	20	T40/B50	750
700	620	1200	20	T40/B50	890
800	720	1200	20	T40/B50	1010
900	800	1200	20	T40/B50	1115
1000	900	1200	20	T40/B50	1440
1100	1000	1200	20	T40/B50	1625
1200	1100	1200	20	T40/B50	1780
1250	1150	1200	20	T40/B50	1910
1300	1200	1200	20	T40/B50	1960
1400	1300	1200	20	T40/B50	2130
1500	1400	1200	20	T40/B50	2360
1600	1500	1200	20	T40/B50	2550
1800	1700	1200	20	T50/T50	3470
2000	1900	1200	20	T50/T50	4025
2200	2100	1200	20	T50/T50	4750
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2800	2700	1200	20	T50/T50	6710
3000	2900	1200	20	T50/T50	8540



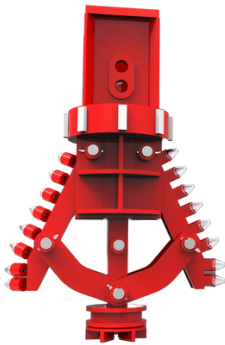
Cleaning Bucket

CB/Auto/Manual



Special Purpose Buckets

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Special Purpose Buckets

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Special Purpose Buckets



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