



 **PILE  
CRITTER**

**PRODUCT CATALOGUE 2024**



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## COMPANY

Founded in 2022, PileCrittter is a swiftly growing company in the European drilling market. Our team, though small, is rich in diversity and expertise, encompassing a range of roles from strategic leadership to market-specific business development. Fluent in multiple languages, our team is well-equipped to cater to various European markets. Together, our mission is rooted in delivering value through reliable, high-performance tools essential for construction and civil engineering.

At PileCrittter, we're driven by a relentless dedication to our customers, aiming to be the cornerstone of Europe's drilling industry. Our vision encompasses not just supplying tools but fostering growth and progress in every project we touch. We're focused on enhancing our services by developing rapid response teams, further decreasing dispatch times, and expanding our product catalogue. Join us in redefining drilling industry standards with solutions that speak of quality, efficiency, and innovation!

## EU HUB

Focusing on local stock within Europe, PileCrittter has significantly reduced delivery times and improved service dependability for our European clients. This strategic move underscores our dedication to addressing the unique requirements of the European market and strengthening our position in the region.

## BESPOKE SERVICE

We are eager to take on special requests, ensuring clients receive precisely what they need for their projects. We specialize in understanding unique requirements and leveraging an extensive product range to fulfill even the most specific demands. With a focus on customization and adaptability, our team is committed to turning special requests into reality, offering solutions that are not just satisfactory, but perfectly aligned with each client's unique business needs.



## DRILL BITS

PileCrittter offers a diverse range of high-quality drill bits, each designed and manufactured to deliver exceptional performance in demanding conditions.

## 38/30mm ROUND SHANK CHISEL



<b>MODEL NUMBER</b>	B47K17.5H
<b>CARBIDE SIZE</b>	17*25mm
<b>APPLICATION</b>	Moderately weathered rock



<b>MODEL NUMBER</b>	UMT55-22S
<b>CARBIDE SIZE</b>	22*28mm
<b>APPLICATION</b>	Moderately weathered rock



<b>MODEL NUMBER</b>	B47K19H
<b>CARBIDE SIZE</b>	19*26mm
<b>APPLICATION</b>	Moderately weathered rock



<b>MODEL NUMBER</b>	UMT60-24S
<b>CARBIDE SIZE</b>	24*34mm
<b>APPLICATION</b>	Moderately weathered rock and slightly weathered rock



<b>MODEL NUMBER</b>	B47K22H
<b>CARBIDE SIZE</b>	22*28mm
<b>APPLICATION</b>	Moderately weathered rock



<b>MODEL NUMBER</b>	UMT60-12K2434
<b>CARBIDE SIZE</b>	24*34mm
<b>APPLICATION</b>	Moderately weathered rock and slightly weathered rock. Suitable for geology with tooth body wears out too fast.



<b>MODEL NUMBER</b>	UMT55-2227
<b>CARBIDE SIZE</b>	22*27mm
<b>APPLICATION</b>	Moderately weathered rock



<b>MODEL NUMBER</b>	UMT60-31S
<b>CARBIDE SIZE</b>	31*36mm
<b>APPLICATION</b>	Moderately weathered rock and slightly weathered rock



<b>MODEL NUMBER</b>	UMT955-2227
<b>CARBIDE SIZE</b>	22*27mm
<b>APPLICATION</b>	Moderately weathered rock, suitable for geology with tooth body wears out too fast.



<b>MODEL NUMBER</b>	UMT60-24P
<b>CARBIDE SIZE</b>	24*30mm
<b>APPLICATION</b>	Moderately weathered rock



<b>MODEL NUMBER</b>	UMT55-12K2227
<b>CARBIDE SIZE</b>	22*27mm
<b>APPLICATION</b>	Moderately weathered rock, suitable for geology with tooth body wears out too fast.

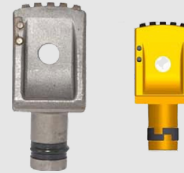
# DRILL BITS



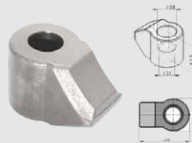
## 38/30mm ROUND SHANK CHISEL



<b>MODEL NUMBER</b>	B85/2
<b>APPLICATION</b>	Suitable for drilling teeth with shank size 38mm



<b>MODEL NUMBER</b>	BFZ72
<b>APPLICATION</b>	Suitable for soil layer, sand layer, loose gravel layer, soft pebbles, clay mudstone



<b>MODEL NUMBER</b>	B43H
<b>APPLICATION</b>	Suitable for drilling teeth with shank size 38mm



<b>MODEL NUMBER</b>	BFZ80
<b>APPLICATION</b>	Suitable for soil layer, sand layer, loose gravel layer, soft pebbles, clay mudstone

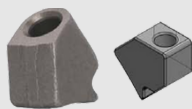
## 25mm ROUND SHANK CHISEL



<b>MODEL NUMBER</b>	C31HD
<b>CARBIDE SIZE</b>	12*18.5mm
<b>APPLICATION</b>	Use on auger, small diameter, low-abrasive rock and frozen soil layers



<b>MODEL NUMBER</b>	BFZ70 Holder
<b>APPLICATION</b>	Suitable for soil layer, sand layer, loose gravel layer, soft pebbles, clay mudstone



<b>MODEL NUMBER</b>	C30
<b>APPLICATION</b>	Suitable for C31HD drilling teeth

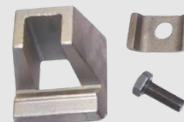


<b>MODEL NUMBER</b>	BFZ72 Holder
<b>APPLICATION</b>	Suitable for soil layer, sand layer, loose gravel layer, soft pebbles, clay mudstone

## FLAT TEETH



<b>MODEL NUMBER</b>	BFZ70
<b>APPLICATION</b>	Suitable for soil layer, sand layer, loose gravel layer, soft pebbles, clay mudstone




<b>MODEL NUMBER</b>	BFZ80 Holder, Screw and Bolt
<b>APPLICATION</b>	Suitable for soil layer, sand layer, loose gravel layer, soft pebbles, clay mudstone

# DRILL BITS







## REPLACEABLE TEETH




<b>MODEL NUMBER</b>	WS39
<b>APPLICATION</b>	Quick-change tool, which can save replacement time, has a wide range of applications and is suitable for soft to medium hardness casing construction.



<b>MODEL NUMBER</b>	WS39-R
<b>APPLICATION</b>	Quick-change tool, which can save replacement time, has a wide range of applications and is suitable for soft to medium hardness casing construction.



<b>MODEL NUMBER</b>	WS46
<b>APPLICATION</b>	Quick-change tool, which can save replacement time, has a wide range of applications and is suitable for soft to medium hardness casing construction.



<b>MODEL NUMBER</b>	WS20
<b>APPLICATION</b>	Quick-change tool, which can save replacement time, has a wide range of applications and is suitable for soft to medium hardness casing construction.

## ROLLER BITS



<b>MODEL NUMBER</b>	FL42J14CH
<b>SIZE</b>	8.5"
<b>APPLICABLE ROCK HARDNESS</b>	80-120Mpa
<b>RECOMMENDED PRESSURE</b>	200KN-350KN
<b>FEATURES</b>	Body material: 15 MnNi4Mo (HRC60) Carbide material: SY11 (HRC88) Carbide: 42pcs*Ø14mm Weight: 11.6 kg



<b>MODEL NUMBER</b>	FL55J14QH
<b>SIZE</b>	8.5"
<b>APPLICABLE ROCK HARDNESS</b>	80-200Mpa
<b>RECOMMENDED PRESSURE</b>	200KN-350KN
<b>FEATURES</b>	Body material: 15 MnNi4Mo (HRC60) Carbide material: SY11 (HRC88) Carbide: 55pcs*Ø14mm Weight: 12.5 kg



<b>MODEL NUMBER</b>	FL55C14QH
<b>SIZE</b>	8.5"
<b>APPLICABLE ROCK HARDNESS</b>	80-200Mpa
<b>RECOMMENDED PRESSURE</b>	200KN-350KN
<b>FEATURES</b>	Body material: 15 MnNi4Mo (HRC60) Carbide material: SY11 (HRC88) Carbide: 55pcs*Ø14mm Weight: 13.8 kg



<b>MODEL NUMBER</b>	FL42Z14CX
<b>SIZE</b>	8.5"
<b>APPLICABLE ROCK HARDNESS</b>	80-120Mpa
<b>RECOMMENDED PRESSURE</b>	200KN-350KN
<b>FEATURES</b>	Body material: 15 MnNi4Mo (HRC60) Carbide material: SY11 (HRC88) Carbide: 42pcs*Ø14mm Weight: 16 kg



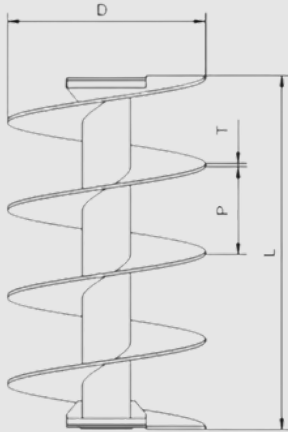
## CONTINUOUS FLIGHT AUGERS (CFA)

PileCrittter's range of CFA pile drilling tools, designed for high efficiency and precision in foundation drilling. Engineered for diverse soil conditions, these tools offer enhanced performance, durability, and safety, meeting the rigorous demands of modern construction projects.

# CONTINUOUS FLIGHT AUGERS (CFA)



## FLANGE TYPE CFA ROD

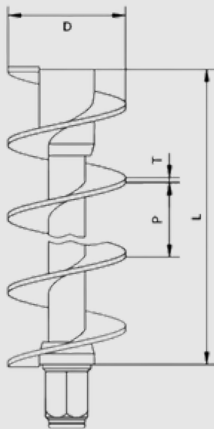


SIZE	DIAMETER(D) (mm)	PITCH(P) (mm)	Flight thickness(T) (mm)	Length(L) (m)
Ø300	280	280	16	2-10
Ø400	380	300	16	2-10
Ø500	480	350	16	2-10
Ø600	580	400	20	2-10
Ø700	680	400	20	2-10
Ø800	780	500	20	2-10
Ø900	880	500	25	2-10
Ø1000	980	600	25	2-10



Auger's head for rock drilling

## HEXAGONAL TYPE CFA ROD



SIZE	DIAMETER(D) (mm)	PITCH(P) (mm)	Flight thickness(T) (mm)	Length(L) (m)
Ø300	280	280	16	2-10
Ø400	380	300	16	2-10
Ø500	480	350	16	2-10
Ø600	580	400	20	2-10
Ø700	680	400	20	2-10
Ø800	780	500	20	2-10
Ø900	880	500	25	2-10
Ø1000	980	600	25	2-10



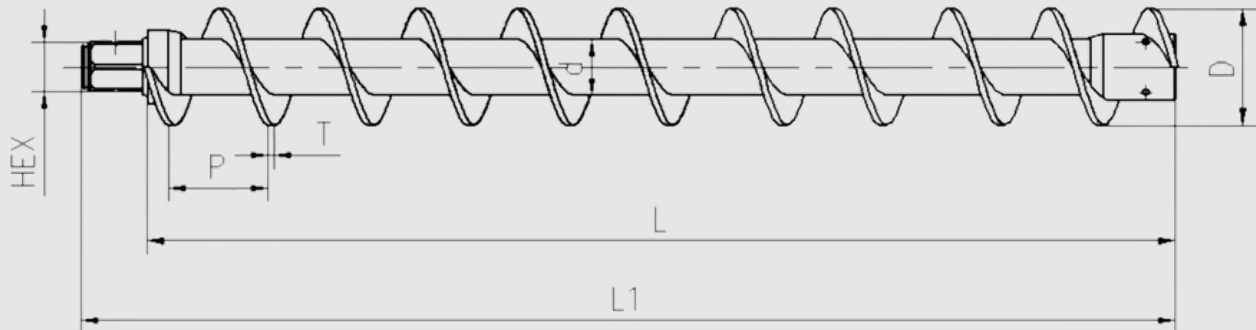
Auger's head for soil drilling



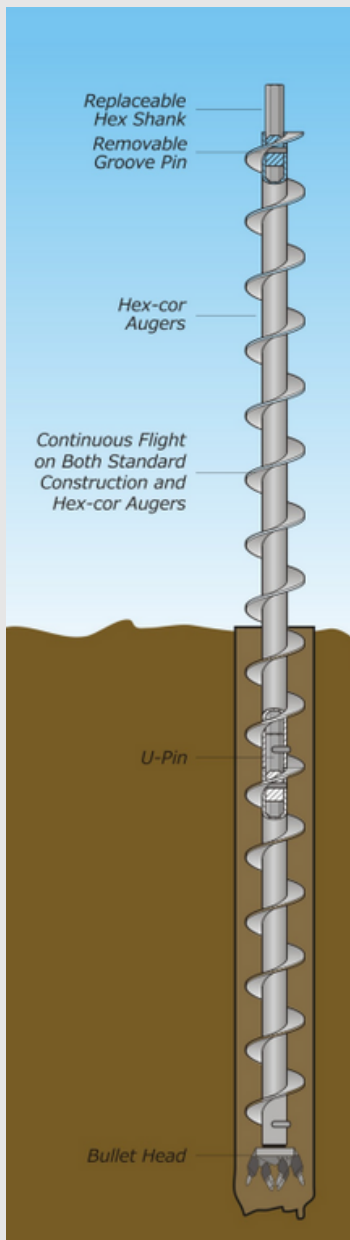
# CONTINUOUS FLIGHT AUGERS (CFA)



## FLANGE TYPE CFA ROD



D: Diameter L: Length P: Pitch D: Central pipe diameter T: Flight thickness

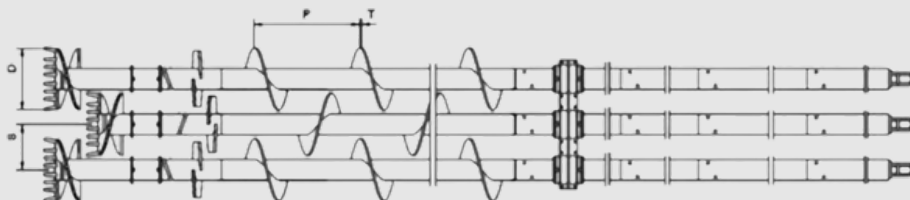


DIAMETER (mm)	INNER DIAMETER (mm)	CENTER PIPE (mm)	PITCH (mm)	FLIGHT THICKNESS (mm)	HEXAGONAL JOINT SIZE
300	100	146x20	300	20	HEX150
	125	180x25	300	20	HEX180
400	100	146x20	400	20	HEX150
	125	180x25	400	20	HEX180
500	100	180x20	500	20	HEX150
	125	180x25	500	20	HEX180
	125	219x25	500	20	HEX200
	125	273x25	500	20	HEX220
600	100	180x20	500	20	HEX150
	125	180x25	500	20	HEX180
	125	219x25	500	20	HEX200
700	125	180x25	500	20	HEX180
	125	219x25	500	20	HEX200
	125	273x25	500	20	HEX220
800	125	180x25	500	20	HEX180
	125	245x25	500	20	HEX200
	125	273x25	500	20	HEX220
900	125	180x25	500	20	HEX180
	125	245x25	500	20	HEX200
	125	273x25	500	20	HEX220
1000	125	180x25	500	20	HEX180
	125	245x25	500	20	HEX200
	125	273x25	500	20	HEX220

# CONTINUOUS FLIGHT AUGERS (CFA)



## TRIAXIAL STIR TYPE CFA ROD



SIZE	DIAMETER(D) (mm)	PITCH(P) (mm)	Flight thickness(T) (mm)	Spacing(S) (mm)
SZ600	580	1000	30	500
SZ700	680	1150	30	500
SZ800	780	1300	30	600
SZ900	880	1400	30	650
SZ1000	980	1550	30	700



Continuous flight auger's head  
for sample of coal seam

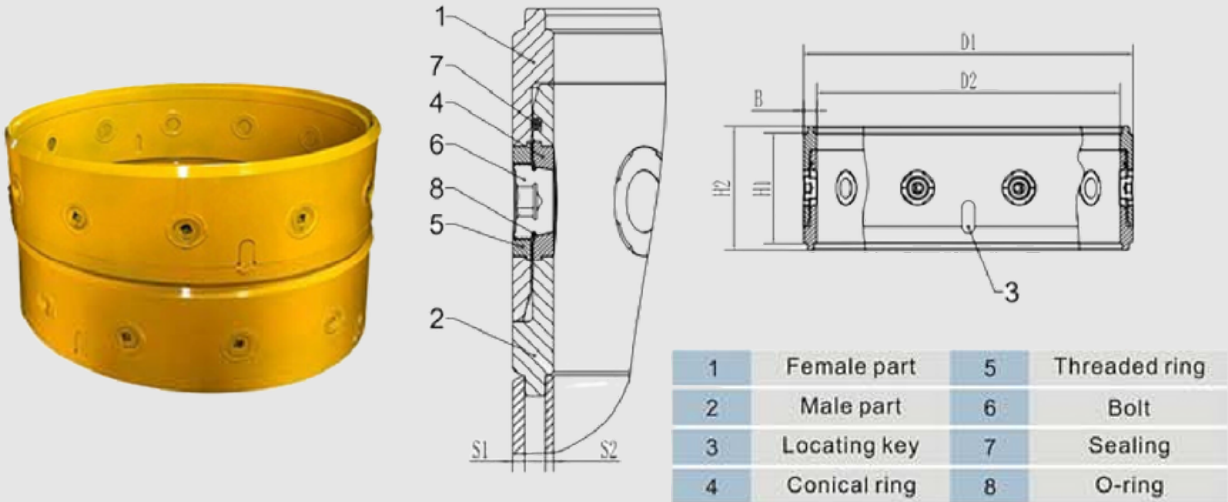
Rod joints



## CASINGS

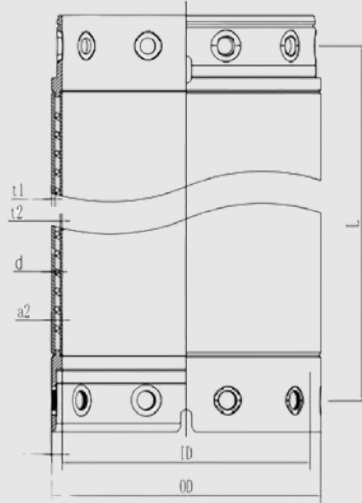
PileCrittter offers a selection of casings and accessories for bored piling construction, featuring international standard steel, advanced welding technology, and innovative structural design. Our products are rigorously tested for quality and strength, ensuring reliable performance and longevity in demanding construction environments.

## CASING JOINT



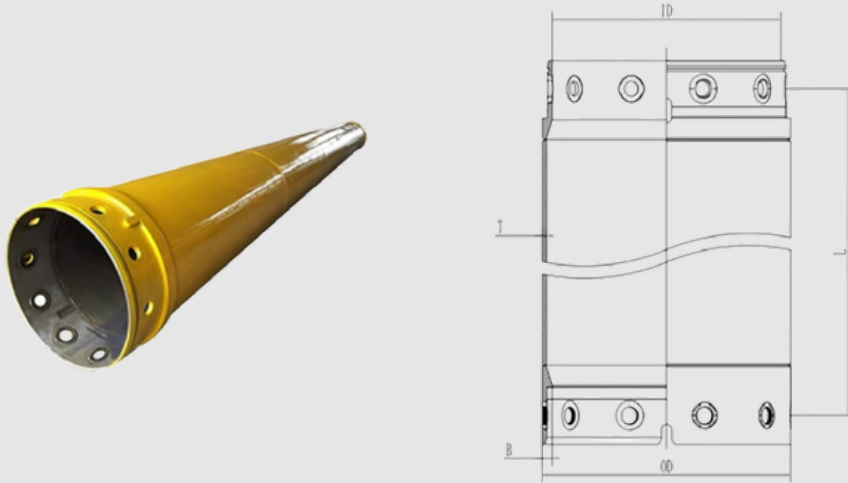
DIMENSIONS							BOLTS AND INSERTS				KEYS		O-RING
D1/D2	H1	H1	S1	S2	B	WEIGHT	BOLT		THREAD RING	CONICAL RING		3	
mm	mm	mm	mm	mm	mm	kg	qty	type	qty	qty	qty	mm	mm
620/540	338	378	12	8	40	179	8	I	8	8	4	40	10x535
750/670	338	378	12	8	40	218	10	I	10	10	4	40	10x665
880/800	338	378	12	8	40	261	10	I	10	10	4	40	10x790
1000/920	338	378	12	8	40	300	10	I	10	10	4	40	10x910
1180/1100	338	378	16	8	40	355	12	I	12	12	4	40	10x1090
1200/1120	338	378	16	8	40	375	12	I	12	12	4	40	10x1110
1300/1220	338	378	16	8	40	393	12	I	12	12	4	40	10x1210
1500/1400	490	530	20	10	50	827	12	II	12	12	4	60	10x1400
1800/1700	490	530	20	10	50	998	12	II	12	12	4	60	10x1695
2000/1880	561	601	20	16	60	1520	12	III	12	12	8	60	10x1870
2200/2080	561	601	20	16	60	1670	12	III	12	12	8	60	10x2070
2500/2380	561	601	20	16	60	1800	16	III	16	16	8	60	10x2360

## DOUBLE WALL SEGMENTAL CASING



DIAMETER	LENGTH						CASING-WALL THICKNESS-1	CASING-WALL THICKNESS-2	TOTAL THICKNESS	BOLT QTY
	1m	2m	3m	4m	5m	6m				
(mm)	weight (kg)						(mm)	(mm)	(mm)	(nos)
620/540	403	739	1074	1411	1747	2081	12	8	40	8
750/670	492	902	1311	1722	2131	2540	12	8	40	10
880/800	585	1069	1552	2036	2520	3005	12	8	40	10
1000/920	669	1221	1773	2328	2877	3429	12	8	40	10
1180/1100	844	1580	2316	3052	3787	4522	16	8	40	12
1200/1120	872	1620	2370	3120	3870	4620	16	8	40	12
1300/1220	933	1246	2558	3372	4184	4996	16	8	40	12
1500/1400	1433	2628	3817	5009	6210	7393	20	10	50	12
1800/1700	1730	3166	4602	6038	7474	8910	20	10	50	12
2000/1880	2450	4280	6110	7940	9770	11600	20	15	60	12
2200/2080	2700	4720	6740	8760	10780	12800	20	15	60	12
2500/2380	2960	5240	7520	9800	12080	14360	20	15	60	16

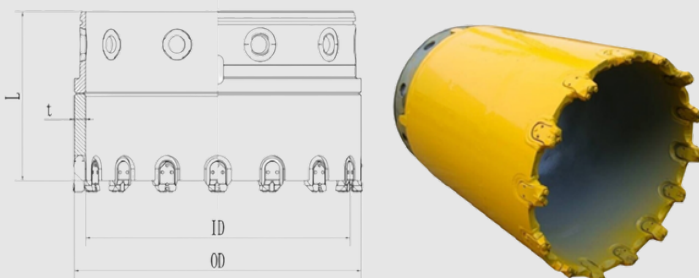
## SINGLE WALL SEGMENTAL CASING



DIAMETER	LENGTH						WALL THICKNESS	WALL THICKNESS	BOLT
									QTY
D1/D2	1m	2m	3m	4m	5m	6m	T	B	BOLT
(mm)	WEIGHT (kg)						(mm)	(mm)	(Nos)
1300/1220	845	1475	2105	2735	3365	3995	20	40	12
1500/1400	1310	2220	3130	4040	4950	5860	25	50	12
1800/1700	1580	2675	3770	4865	5960	7055	25	50	12
2000/1880	2140	3355	4570	5785	7000	8215	25	60	12
2200/2080	2350	3690	5030	6370	7710	9050	25	60	12
2500/2380	2575	4100	5625	7150	8675	10200	25	60	16

## CASING SHOES

DIAMETER (mm)	620	750	880	1000	1180	1300	1500
TOOTH QUANTITY	14	16	18	18	20	24	30
WEIGHT (kg)	309	374	439	500	589	653	955

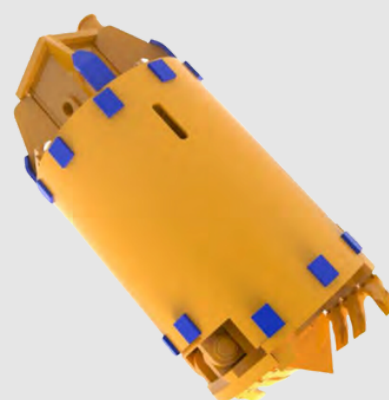
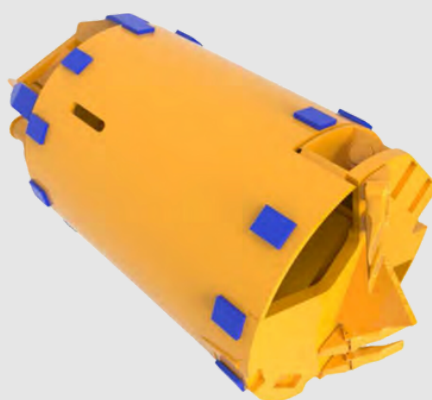




## **DRILLING TOOLS**

**Our comprehensive lineup of rotary pile drilling tools is expertly designed to meet the unique challenges of bored piling. Each tool, produced using high-quality Q355B steel, is tailored to deliver unparalleled strength and durability across a variety of drilling tasks. Our selection encompasses a diverse range of drilling buckets, core barrels, and augers, each engineered for specific ground conditions, from soft soil to hard rock**

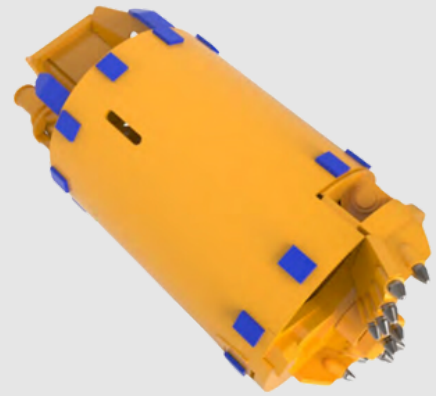
## SINGLE-BOTTOM AND DOUBLE-BOTTOM DOUBLE CUT SOIL BUCKETS



					SINGLE CUT	DOUBLE CUT
DRILLING DIA.	SHELL DIA.	SHELL LENGTH	SHELL THICKNESS	TEETH QTY	WEIGHT	WEIGHT
mm	mm	mm	mm	pcs	kg	kg
600	550	1200	16	4	686	656
700	650	1200	16/20	4	824	784
800	700	1200	16/20	4	959	909
900	800	1200	16/20	5	1120	1051
1000	900	1200	16/20	6	1276	1186
1100	1000	1200	16/20	6	1416	1336
1200	1100	1200	16/20	6	1585	1455
1300	1200	1200	16/20	7	1828	1668
1400	1300	1200	16/20	8	2022	1841
1500	1400	1200	16/20	9	2078	1938
1600	1500	1200	16/20	10	2392	2152
1700	1600	1000	20	10	2401	2271
1800	1700	1000	20	11	3073	2823
2000	1900	800	20	12	3480	3160
2200	2100	800	20	14	4019	3669
2500	2400	800	20	16	4556	4076

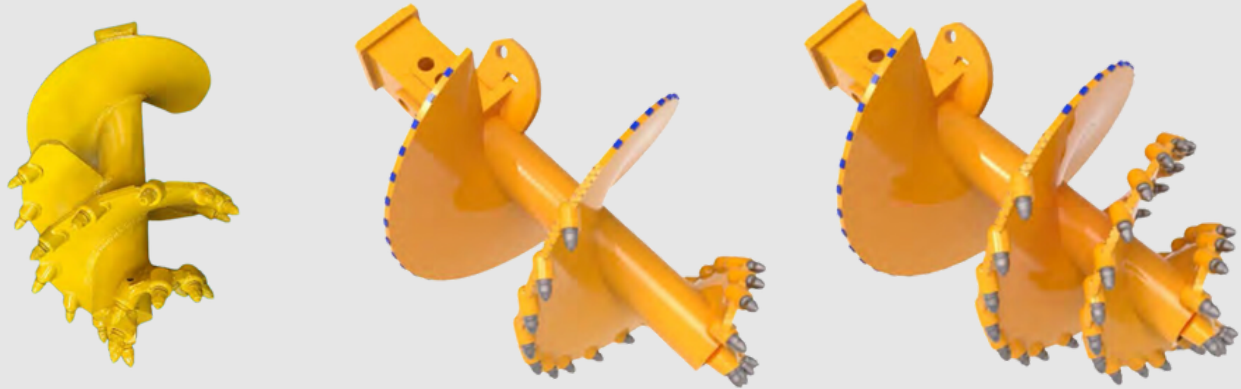


## SINGLE CUT AND DOUBLE CUT ROCK BUCKETS



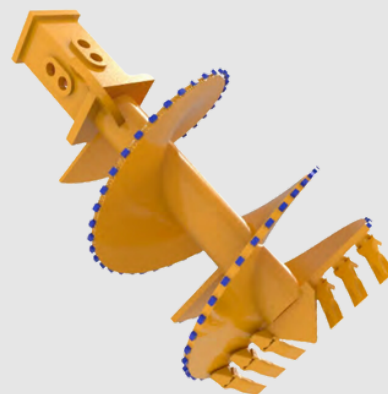
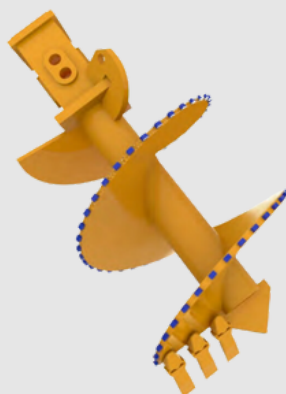
					SINGLE CUT	DOUBLE CUT
DRILLING DIA.	SHELL DIA.	SHELL LENGTH	SHELL THICKNESS	TEETH QTY	WEIGHT	WEIGHT
mm	mm	mm	mm	pcs	kg	kg
600	550	1200	16	7	712	682
700	650	1200	16/20	8	866	826
800	700	1200	16/20	9	971	921
900	800	1200	16/20	12	1130	1061
1000	900	1200	16/20	14	1280	1190
1100	1000	1200	16/20	16	1440	1360
1200	1100	1200	16/20	16	1643	1513
1300	1200	1200	16/20	18	1938	1778
1400	1300	1200	16/20	19	2100	1919
1500	1400	1200	16/20	20	2304	2164
1600	1500	1200	16/20	22	2668	2428
1700	1600	1000	20	24	2535	2405
1800	1700	1000	20	26	3207	2957
2000	1900	800	20	28	3567	3247
2200	2100	800	20	30	4137	3787
2500	2400	800	20	32	4716	4236

## SINGLE CUT AND DOUBLE CUT CONICAL ROCK AUGERS



					SINGLE CUT	DOUBLE CUT
DRILLING DIA.	FLIGHT DIA.	PITCH	FLIGHT LENGTH	TEETH QTY	WEIGHT	WEIGHT
mm	mm	mm	mm	pcs	kg	kg
600	550	600	1200	22	438	537
700	650	600	1200	22	467	596
800	750	600	1200	24	512	708
900	850	600	1200	26	586	775
1000	950	600	1200	28	633	871
1100	1050	600	1200	30	674	958
1200	1150	600	1200	32	718	1047
1300	1250	600	1200	32	767	1145
1400	1350	600	1200	34	821	1253
1500	1450	600	1200	36	875	1367
1800	1750	600	1200	40	1081	1766

## SINGLE CUT AND DOUBLE CUT FLAT SOIL AUGERS



					SINGLE CUT	DOUBLE CUT
DRILLING DIA.	FLIGHT DIA.	PITCH	FLIGHT LENGTH	TEETH QTY	WEIGHT	WEIGHT
mm	mm	mm	mm	pcs	kg	kg
600	550	600	1200	4	478	561
700	650	600	1200	4	516	630
800	750	600	1200	4	554	700
900	850	600	1200	5	610	796
1000	950	600	1200	6	668	904
1100	1050	600	1200	6	732	1016
1200	1150	600	1200	6	800	1139
1300	1250	600	1200	7	879	1279
1400	1350	600	1200	8	959	1429
1500	1450	600	1200	9	1050	1590
1800	1750	600	1200	11	1351	2132



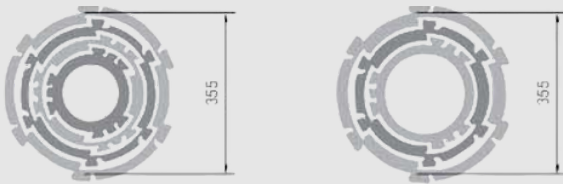
## **KELLY BARS**

**PileCrittter's range of Kelly bars, indispensable for hydraulic rotary drilling rigs, is engineered with high-quality materials and innovative designs to ensure efficient torque transmission and adaptability in diverse drilling conditions.**

# KELLY BARS

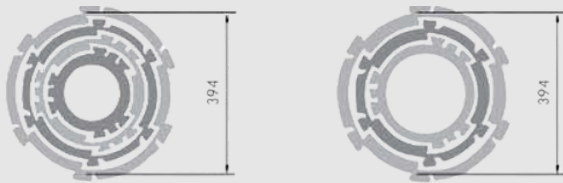


## 355 SERIES KELLY BAR DIMENSIONS



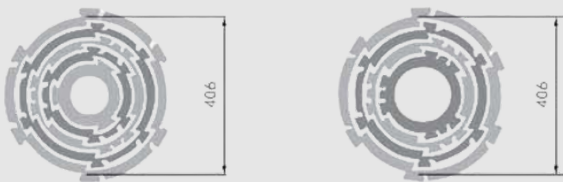
MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
4 sections Friction Ø355-4x10m	36	10000	37460	11325	4.25
4 sections Friction Ø355-4x12m	44	12000	45460	13325	5.06
4 sections Interlocking Ø355-4x10m	34	10000	36160	11325	5.83
4 sections Interlocking Ø355-4x12m	42	12000	44160	13325	5.75

## 394 SERIES KELLY BAR DIMENSIONS



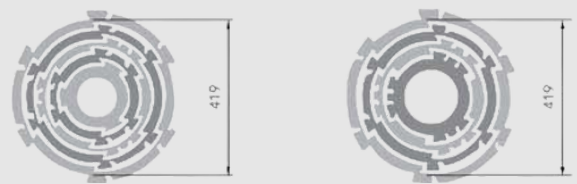
MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
3 sections Interlocking Ø394-3x13m	33	13190	36200	14640	8.50
3 sections Interlocking Ø394-3x15m	39	15190	42200	16640	9.80
4 sections Interlocking Ø394-4x13m	44	13190	47000	14640	9.97
4 sections Interlocking Ø394-4x15m	52	15190	55000	16640	11.50

## 406 SERIES KELLY BAR DIMENSIONS



MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
5 sections Friction Ø406-5x13m	58	13075	60800	14570	8.02
5 sections Friction Ø406-5x15m	68	15075	70800	16570	9.27
4 sections Interlocking Ø406-4x13m	44	13190	46700	14640	8.24
4 sections Interlocking Ø406-4x15m	52	15190	54700	16640	9.50

## 419 SERIES KELLY BAR DIMENSIONS



MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
5 sections Friction Ø419-5x13m	58	13075	60800	14570	8.98
5 sections Friction Ø419-5x15m	68	15075	70800	16570	10.17
4 sections Interlocking Ø419-4x13m	44	13190	46700	14640	9.15
4 sections Interlocking Ø419-4x15m	52	15190	54700	16640	10.35
3 sections Interlocking Ø419-3x13m	36	13190	38700	14640	9.31
3 sections Interlocking Ø419-3x15m	39	15190	41700	16640	10.62

## 508 SERIES KELLY BAR DIMENSIONS



MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
6 sections Friction Ø508-6x13m	68	13075	60800	14580	12.70
6 sections Friction Ø508-6x15m	81	15075	70800	16580	14.65
5 sections Interlocking Ø508-5x13m	57	13075	59800	14580	12.55
5 sections Interlocking Ø508-5x15m	68	15075	70800	16580	13.84
4 sections Interlocking Ø508-4x13m	44	13190	46700	14670	10.80
4 sections Interlocking Ø508-4x15m	52	15190	54700	16670	12.50
3 sections Interlocking Ø508-3x13m	33	13190	36300	14640	11.65
3 sections Interlocking Ø508-3x15m	39	15190	42300	16640	13.44



# KELLY BARS



# KELLY BARS

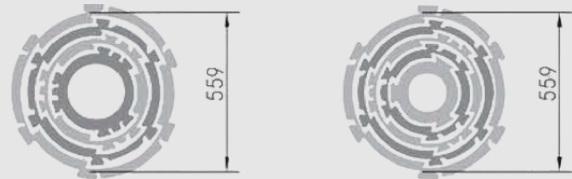


## 445 SERIES KELLY BAR DIMENSIONS



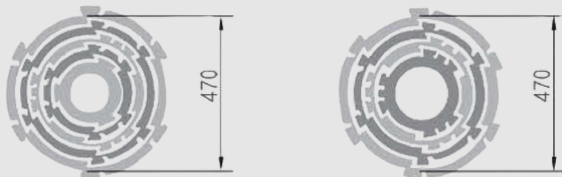
MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
5 sections Friction Ø445-5x13m	58	13075	60800	14570	9.79
5 sections Friction Ø445-5x15m	68	15075	70800	16570	11.30
4 sections Interlocking Ø445-4x13m	44	13190	46700	14640	9.97
4 sections Interlocking Ø445-4x15m	52	15190	54700	16640	11.50
3 sections Interlocking Ø445-3x13m	33	13190	36300	14640	9.20
3 sections Interlocking Ø445-3x15m	39	15190	42300	16640	10.62

## 559 SERIES KELLY BAR DIMENSIONS



MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
5 sections Friction Ø559-5x13m	72	16050	88000	17750	15.30
5 sections Friction Ø559-5x15m	82	18050	98000	199750	17.21
4 sections Interlocking Ø559-4x13m	56	16050	57500	17750	13.50
4 sections Interlocking Ø559-4x15m	64	18050	65500	19750	15.20

## 470 SERIES KELLY BAR DIMENSIONS

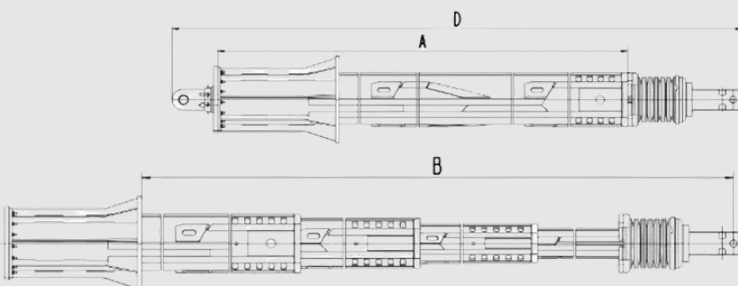


MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
5 sections Friction Ø470-5x13m	58	13075	60800	14570	11.05
5 sections Friction Ø470-5x15m	68	15075	70800	16470	12.75
4 sections Interlocking Ø470-4x13m	44	13190	46700	14640	10.53
4 sections Interlocking Ø470-4x15m	52	15190	54700	16640	12.15
3 sections Interlocking Ø470-3x13m	33	13190	35700	14640	10.62
3 sections Interlocking Ø470-3x15m	39	15190	41700	16640	12.33

## 630 SERIES KELLY BAR DIMENSIONS



MODEL	DRILLING DEPTH	A	B	D	TOTAL WEIGHT
	M	MM	MM	MM	T
6 sections Friction Ø630-6x20m	110	20050	113300	21700	25.89
6 sections Friction Ø630-6x24m	130	24050	137300	25700	31.07
4 sections Interlocking Ø630-4x20m	70	20050	75000	21700	24.73
4 sections Interlocking Ø630-4x24m	86	24050	91000	25700	29.67
5 sections Interlocking Ø630-5x20m	88	20050	91500	21700	27.73
5 sections Interlocking Ø630-5x20m	108	24050	111500	25700	33.27



- A The first section length
- B The extended length
- D The transport length

\*Please contact us to receive the full product range



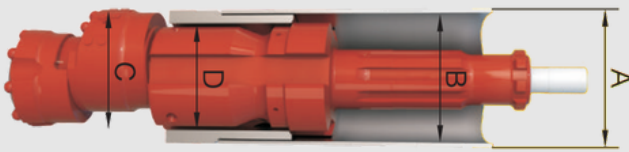
## **DTH TOOLS**

**PileCrittter offers a comprehensive range of DTH equipment solutions, engineered for superior performance in drilling and mining operations. Our product line includes versatile DTH hammers, durable DTH bits, efficient ODEX bits, and robust concentric system components, all designed to meet the rigorous demands of various geological conditions and drilling needs.**

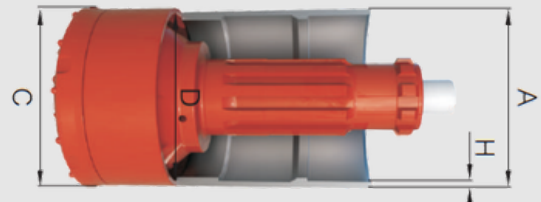


## ODEX SYSTEM

	A	B	H		C	D			
MODEL	O.D. OF THE CASING TUBE (mm)	I.D. OF THE CASING TUBE (mm)	WALL THICKNESS OF THE CASING TUBE (mm)	MAX O.D. OF GUIDE DEVICE (mm)	REAMED DIAMETER (mm)	MIN I.D. OF CASING SHOE (mm)	MAX O.D. OF CONVENTIONAL BIT (mm)	COMPATIBLE SHANK	WEIGHT
ODEX90	114.3	102.26	6.02	99.7	123	91.3	90	COP34/DHD3.5	12.5
ODEX115	141.3	128.2	6.55	123.4	152	117	115	COP44/DHD340/SD4/QL40	22
ODEX140	168	155	6.5	153.5	184	142	140	COP54/DHD350/M40/SD5/QL50	38
ODEX165	194	181	6.5	179	209	167	15	COP64/DHD360/M60/SD6/QL60	62
ODEX190	219.1	202.74	8.18	204.7	237	192.3	190	COP64/DHD360/M60/SD6/QL60	84
ODEX240	273	254.46	9.27	252.8	307	241	240	COP84/DHD380/SD8/QL80	136
ODEX280	325	300	12.5	298	350	282	280	DHD112	184



Odex system



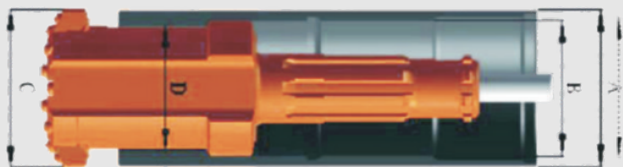
Concentric system

## CONCENTRIC SYSTEM

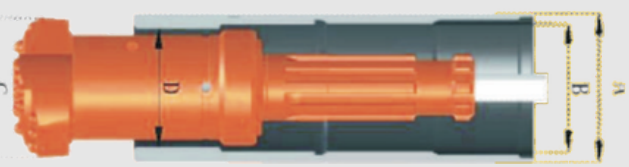
				E	A	H	D	C	
MODEL	DESIGN	O.D. OF PILOT BIT (mm)	W.T. OF PILOT BIT (kg)	COMPATIBLE SHANK	O.D. OF CASING TUBE (mm)	MAX THICKNESS OF CASING TUBE (mm)	I.D. OF RING BIT (mm)	O.D. OF RING BIT (mm)	WEIGHT (kg)
P114WD35R-82	A	92	4.6	DHD3.5	114.3	6	84	126	2.3
P127WD35R-93A	B	105	5.5	DHD3.5	127	6	95	146	5.05
P140WD4R-97A	B	116.5	11.35	COP44/DHD340	139.7	8	101	165	6.35
P140WD4R-115A	B	128	13	COP44/DHD340	139.7	8	116	167	4.6
P140TD40-115	A	128	16.2	TD40	139.7	8	116	161	4.75
P146WD4R-110	A	124	15	COP44/DHD340	146	8	112	165	5.5
P168WD5R-127A	B	141	21	COP54/DHD350	168.3	8	129	192	6.7
P168WD5R-140A	B	155	22	COP54/DHD350	168.3	8	143	200	7
P219WD6R-170A	B	191	43	COP64/DHD360	219.1	12.7	173	247	15.85
P219WD6R-190	A	203	44.6	COP64/DHD360	219.1	12.7	192	243	11.45
P273WD8R-219	A	241	76	COP84/DHD380	273	9.1	223.2	305	19.6
P273WD8R-240	A	254	79.3	COP84/DHD380	273	9.1	242	303	18.35
P325WD8R-273A	B	292	108	COP84/DHD380	323.9	9.3	276.2	350	25.5
P324WD8R-282	A	298	110	COP84/DHD380	323.9	9.3	282	353	24.5

## BLOCK SYSTEM

MODEL	A	B	H	C	D			WEIGHT (kg)
	O.D. OF CASING TUBE (mm)	I.D. OF CASING TUBE (mm)	MAX. WALL THICKNESS OF CASING TUBE (mm)	MAX DIAMETER OF PILOT BIT (mm)	REAMED DIAMETER (mm)	MAX O.D. OF CONVENTIONAL BIT (mm)	COMPATIBLE SHANK	QTY OF BLOCKS, pcs
B130	152	132	10	131	160	121	DHD340	2
B185	219	199	10	197	234	185	COP64/DGD360/SD6/QL60	3
B210	245	225	10	222	260	210	COP84/DHD380/SD8/QL80	3
B240	273	253	10	251	305	240	COP84/DHD380/SD8/QL80	3
B282	325	305	10	302	350	282	COP84/DHD380/SD8/QL80	3
B305	355	325	10	322	380	305	DHD112	4
B365	406	382	12	380	432	365	DHD112	4
B432	480	454.6	12.7	450	505	432	NUMA125	4
B461	508	482.6	12.7	479	534	461	NUMA180	4
B510	560	535.6	12.7	530	590	510	NUMA180	4
B553	610	584.6	12.7	582	639	553	NUMA180	4
B596	660	628	16	625	690	593	NUMA180	4
B645	711	679	16	675	741	654	NUMA180	4
B694	762	730	16	726	726	694	NUMA240	4



Block system



Wing system

## WING SYSTEM

MODEL	A	B	H	C	D			WEIGHT (kg)
	O.D. OF CASING TUBE (mm)	I.D. OF CASING TUBE (mm)	MAX WALL THICKNESS OF CASING TUBE (mm)	MAX DIAMETER OF PILOT BIT (mm)	REAMED DIAMETER (mm)	MAX O.D. OF CONVENTIONAL BIT (mm)	QTY OF WINGS (pcs)	COMPATIBLE SHANK
W90	114	101	6.5	99	125	90	2	COP34/DHD3.5
W117	146	126	10	124	157	117	2	COP44/DHD340/SD4/QL40
W136	168	148	10	146	180	136	2	COP54/DHD350/SD5/QL50
W142	178	158	10	154	195	142	2	COP54/DHD350/SD5/QL50
W160	194	174	10	172	206	160	2	COP54/DHD350/SD5/QL50



## TRICONES

PileCrittter's tricone bits are engineered for superior drilling performance, offering a range of sizes and designs to suit various geological conditions. Constructed with high-quality materials and advanced welding technology, these bits ensure efficient energy transfer, durability, and precision in drilling operations, making them ideal for both formation drilling and mining.

## BITS FOR EXTREMELY HARD FORMATION DRILLING



IADC	737	837
RPM (r/min)	70~40	70~40
WOB (KN/MM)	0.7~1.2	0.7~1.2

## BITS FOR HARD FORMATION DRILLING



IADC	737
RPM (r/min)	70~40
WOB (KN/MM)	0.7~1.2

## BITS FOR MEDIUM-HARD / HARD FORMATION DRILLING



IADC	637
RPM (r/min)	80~40
WOB (KN/MM)	0.5~1.2

## BITS FOR MEDIUM-HARD FORMATION DRILLING



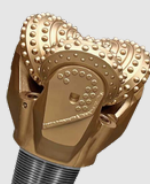
IADC	537	617, 627
RPM (r/min)	80~40	90~50
WOB (KN/MM)	0.5~1.2	0.45~1.1

## BITS FOR MEDIUM-SOFT FORMATION DRILLING



IADC	417, 427	437, 447	517, 527
RPM (r/min)	150~70	150~70	140~50
WOB (KN/MM)	0.3~0.9	0.35~0.9	0.35~1.0

## MINING BITS



IADC	7 7/8"545	9"635	11"835
RPM (r/min)	110~80	120~50	90~60
WOB (KN/MM)	15,750 - 39,380	35,000 - 61,000	43,000 - 68,000

## BITS FOR SOFT FORMATION DRILLING



IADC	117	127	137	217
RPM (r/min)	150~70	150~60	120~60	100~60
WOB (KN/MM)	0.3~0.8	0.3~0.9	0.35~1.0	0.4~1.0



## **PILE BREAKERS**

**Our range of pile breakers offer efficient solutions for cutting concrete foundation piles in construction projects. Engineered for high performance and versatility in construction projects, with features that ensure economic efficiency, robust construction, and environmental consideration, making them indispensable tools in modern construction.**

# PILE BREAKERS



## MODEL SP800



<b>MODEL</b>	SP800
<b>RANGE OF PILE DIAMETER (mm)</b>	∅500-∅2500
<b>MAXIMUM STROKE OF HYDRAULIC CYLINDER</b>	205mm
<b>MAXIMUM PRESSURE OF HYDRAULIC CYLINDER</b>	34.3Mpa
<b>MAXIMUM FLOW OF SINGLE CYLINDER</b>	25L/mim
<b>CUT THE NUMBER OF PILE/8H</b>	20-100
<b>HEIGHT FOR CUT PILE EACH TIME</b>	≤200mm-300mm
<b>SUPPORTING THE DIGGING MACHINE TONNAGE (EXCAVATOR)</b>	≥20t-46t
<b>ONE-PIECE MODULE WEIGHT</b>	381kg
<b>ONE-PIECE MODULE SIZE</b>	908x780x400
<b>WORK STATUS DIMENSIONS</b>	2060*2060*2500
<b>TOTAL PILE BREAKER WEIGHT</b>	6.4t

MODULE NUMBERS	THE DIAMETER RANGE (mm)	EXCAVATOR SIZE (t)	WEIGHT (kg)	HEIGHT OF SINGLE CRUSH PILE (mm)
6	500-600	20	2400	200-300
7	650-800	22	2800	200-300
8	850-1000	26	3200	200-300
9	950-1200	27	3600	200-300
10	1150-1400	30	4000	200-300
11	1350-1600	32	4400	200-300
13	1650-1800	35	5200	200-300
14	1850-2100	35	5600	200-300
15	2050-2300	40	6000	200-300
16	2250-2500	46	6400	200-300

# PILE BREAKERS



## MODEL SP500 HEAVY DUTY

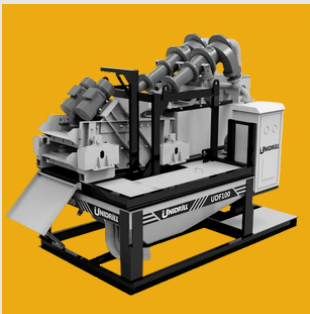


<b>MODEL</b>	SP500 Heavy Duty
<b>RANGE OF PILE DIAMETER (mm)</b>	Ø250-Ø500
<b>MAXIMUM DRILL ROD PRESSURE</b>	320KN
<b>MAXIMUM STROKE OF HYDRAULIC CYLINDER</b>	150mm
<b>MAXIMUM PRESSURE OF HYDRAULIC CYLINDER</b>	34.3Mpa
<b>MAXIMUM FLOW OF SINGLE CYLINDER</b>	25L/mim
<b>CUT THE NUMBER OF PILE/8H</b>	100-120
<b>HEIGHT FOR CUT PILE EACH TIME</b>	≤200mm
<b>SUPPORTING THE DIGGING MACHINE TONNAGE (EXCAVATOR)</b>	≥15t
<b>ONE-PIECE MODULE WEIGHT</b>	200kg
<b>ONE-PIECE MODULE SIZE</b>	595*980*275
<b>WORK STATUS DIMENSIONS</b>	1710*1710*2500
<b>TOTAL PILE BREAKER WEIGHT</b>	2t

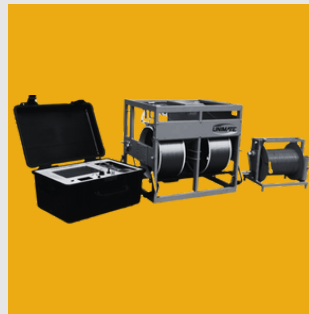
## MODEL SP600-8 HEAVY DUTY



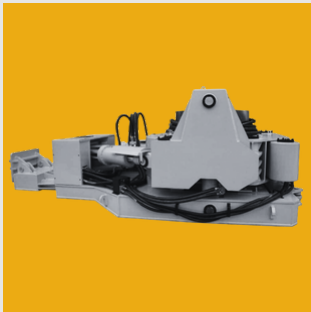
<b>MODEL</b>	SP600-8 Heavy Duty
<b>RANGE OF PILE DIAMETER (mm)</b>	Ø600-Ø800
<b>MAXIMUM DRILL ROD PRESSURE</b>	320KN
<b>MAXIMUM STROKE OF HYDRAULIC CYLINDER</b>	150mm
<b>MAXIMUM PRESSURE OF HYDRAULIC CYLINDER</b>	34.3Mpa
<b>MAXIMUM FLOW OF SINGLE CYLINDER</b>	25L/mim
<b>CUT THE NUMBER OF PILE/8H</b>	20-50
<b>HEIGHT FOR CUT PILE EACH TIME</b>	≤200mm
<b>SUPPORTING THE DIGGING MACHINE TONNAGE (EXCAVATOR)</b>	≥26t
<b>ONE-PIECE MODULE WEIGHT</b>	700kg
<b>WORK STATUS DIMENSIONS</b>	2080*2080*396
<b>TOTAL PILE BREAKER WEIGHT</b>	3.2t



**DESANDERS**



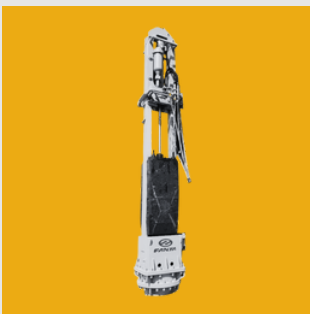
**ULTRASONIC DRILL-HOLE TESTERS**



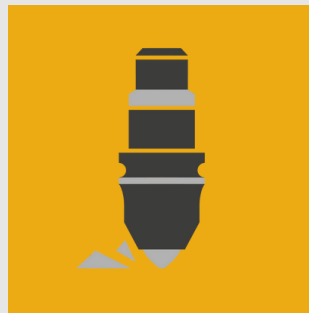
**CASING OSCILATORS**



**VIBRO HAMMERS**



**IMPACT HAMMERS**



**SPECIAL REQUESTS**



## **We will cater our service to the needs of your company.**

We are committed to catering to each client's specific needs, offering the flexibility to discuss and arrange dedicated stock on a case-by-case basis.

Our team excels in tailoring solutions to meet unique project requirements, ensuring that every client receives exactly what they need.

With a focus on personalised service and adaptability, we are dedicated to providing customised solutions that align precisely with your unique business and project demands.



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