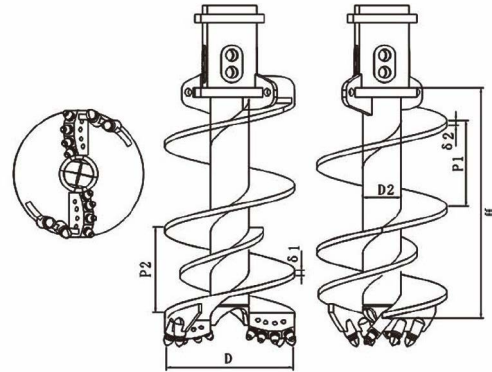


JUNTTAN USA TOOLING CATALOG

855 - JUNTTAN / JUNTTAN.COM/USA

Double-cut, single flight, straight rock auger without pilot



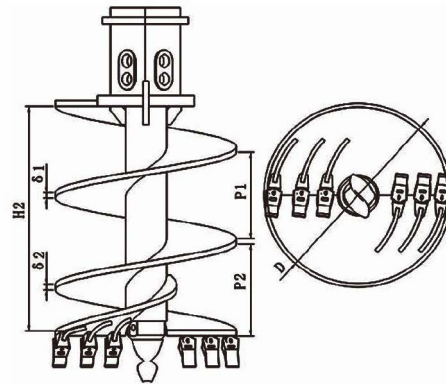
Regular

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity	Central shaft OD	Weight
D1 (mm)	H(mm)		P1/P2 (mm)	δ1 (mm)	δ2 (mm)	pc	D2 (mm)	Kg
600	1500	Optional	400/500	30	30	6	∅ 180*30	728
800			500/600	30	30	9	∅ 219*32	1080
1000			500/600	30	30	10	∅ 219*32	1219
1200			500/600	30	30	14	∅ 219*32	1683
1500			500/600	30	30	24	∅ 219*32	2482
1800			600	30	30	30	∅ 219*32	3155
2000			900	30	30	38	∅ 219*32	3728
2200			900	30	30	42	∅ 219*32	3919
2500			900	30	30	48	∅ 219*32	4918

Economic

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity	Central shaft OD	Weight
D1 (mm)	H(mm)		P1/P2 (mm)	δ1 (mm)	δ2 (mm)	pc	D2 (mm)	Kg
600	1350	Optional	400/500	30	30	6	∅ 180*25	665
800			500/600	30	30	9	∅ 219*25	860
1000			500/600	30	30	10	∅ 219*25	1085
1200			500/600	30	30	14	∅ 219*25	1314
1500			500/600	30	30	24	∅ 219*25	2022
1800			500/600	30	30	30	∅ 219*25	2743
2000			500/600	30	30	38	∅ 219*25	3307
2200			500/600	30	30	42	∅ 219*25	3900
2500			500/600	30	30	48	∅ 219*25	4902

Double-cut, single flight clay auger



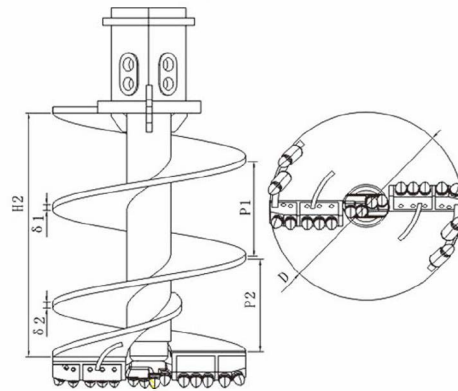
Regular

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	$\delta 1$ (mm)	$\delta 2$ (mm)	D2 (mm)	Kg
600	1500	Optional	400/500	30	30	$\varnothing 180 \times 30$	780
800			500/600	30	30	$\varnothing 219 \times 32$	986
1000			500/600	30	30	$\varnothing 219 \times 32$	1820
1200			500/600	30	30	$\varnothing 219 \times 32$	1591
1500			600	30	30	$\varnothing 219 \times 32$	2316
1800			900	30	30	$\varnothing 219 \times 32$	3150
2000			900	30	30	$\varnothing 219 \times 32$	3565
2200			900	30	30	$\varnothing 219 \times 32$	4100
2500			900	30	30	$\varnothing 219 \times 32$	4890

Economic

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	$\delta 1$ (mm)	$\delta 2$ (mm)	D2 (mm)	Kg
600	1350	Optional	500/600	30	30	$\varnothing 180 \times 25$	672
800			500/600	30	30	$\varnothing 219 \times 25$	835
1000			500/600	30	30	$\varnothing 219 \times 25$	1080
1200			500/600	30	30	$\varnothing 219 \times 25$	1378
1500			500/600	30	30	$\varnothing 219 \times 25$	2050
1800			600/700	30	30	$\varnothing 219 \times 25$	2595
2000			600/700	30	30	$\varnothing 219 \times 25$	3125
2200			600/700	30	30	$\varnothing 219 \times 25$	3640
2500			600/700	30	30	$\varnothing 219 \times 25$	4415

Double-cut, single flight, straight rock auger with pilot



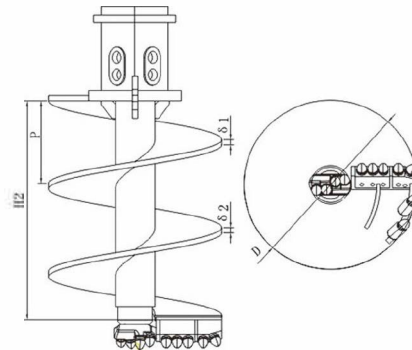
Regular

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity (excludes pilot)	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	δ1 (mm)	δ2 (mm)	pc	D2 (mm)	Kg
600	1500	Optional	400/500	30	30	6	∅ 180*30	815
800			500/600	30	30	9	∅ 219*32	1110
1000			500/600	30	30	12	∅ 219*32	1460
1200			500/600	30	30	14	∅ 219*32	1891
1500			600	30	30	16	∅ 219*32	2482
1800			600	40	30	20	∅ 219*32	3824
2000			900	40	30	23	∅ 219*32	4218
2200			900	40	30	25	∅ 219*32	4635
2500			900	40	30	29	∅ 219*32	5219

Economic

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity (excludes pilot)	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	δ1 (mm)	δ2 (mm)	pc	D2 (mm)	Kg
600	1350	Optional	500/600	30	30	6	∅ 180*25	698
800			500/600	30	30	9	∅ 219*25	890
1000			500/600	30	30	10	∅ 219*25	1160
1200			500/600	30	30	12	∅ 219*25	1460
1500			500/600	30	30	16	∅ 219*25	2162
1800			600/700	30	30	20	∅ 219*25	2680
2000			600/700	30	30	24	∅ 219*25	3262
2200			600/700	30	30	26	∅ 219*25	3720
2500			600/700	30	30	29	∅ 219*25	4580

Single-cut, single flight, straight rock auger



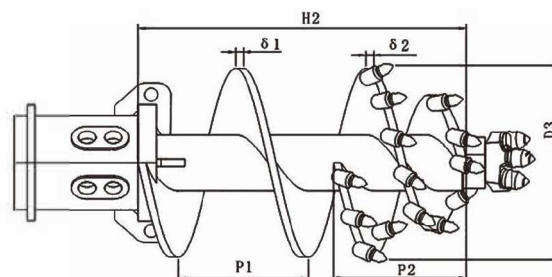
Regular

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity (excludes pilot)	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	δ2 (mm)	δ1 (mm)	pc	D2 (mm)	Kg
600	1500	Optional	400/500	30	30	3	∅ 180*30	768
800			500/600	30	30	4	∅ 219*32	983
1000			500/600	30	30	5	∅ 219*32	1210
1200			500/600	30	30	6	∅ 219*32	1511
1500			600	30	30	7	∅ 219*32	1942
1800			600	40	30	10	∅ 219*32	2463
2000			900	40	30	12	∅ 219*32	2986
2200			900	40	30	13	∅ 219*32	3362
2500			900	40	30	15	∅ 219*32	4080

Economic

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity (excludes pilot)	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	δ1 (mm)	δ2 (mm)	pc	D2 (mm)	Kg
600	1250	Optional	400	30	30	3	∅ 180*25	650
800			500	30	30	4	∅ 219*25	761
1000			500	30	30	5	∅ 219*25	943
1200			500	30	30	6	∅ 219*25	1148
1500			500	30	30	7	∅ 219*25	1540
1800			500	30	30	10	∅ 219*25	2045
2000			500	30	30	12	∅ 219*25	2440
2200			500	30	30	13	∅ 219*25	2865
2500			500	30	30	15	∅ 219*25	3565

Double-cut, single flight, progressive rock auger



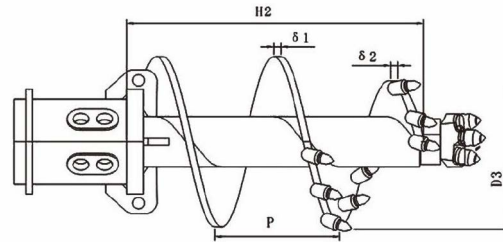
Regular

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity (excludes pilot)	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	$\delta 1$ (mm)	$\delta 2$ (mm)	pc	D2 (mm)	Kg
600	1500	Optional	400/500	30	30	20	$\phi 180*30$	815
800			500/600	30	30	22	$\phi 219*32$	1020
1000			500/600	30	30	24	$\phi 219*32$	1285
1200			500/600	30	30	26	$\phi 219*32$	1561
1500			600	30	30	32	$\phi 219*32$	2180
1800			600	30	30	36	$\phi 219*32$	2683
2000			900	30	30	38	$\phi 219*32$	3215
2200			900	30	30	40	$\phi 219*32$	3515
2500			900	30	30	44	$\phi 219*32$	4200

Economic

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity (excludes pilot)	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	$\delta 1$ (mm)	$\delta 2$ (mm)	pc	D2 (mm)	Kg
600	1350	Optional	500/600	30	30	12	$\phi 180*25$	570
800			500/600	30	30	14	$\phi 219*25$	720
1000			500/600	30	30	16	$\phi 219*25$	880
1200			500/600	30	30	18	$\phi 219*25$	1125
1500			500/600	30	30	21	$\phi 219*25$	1540
1800			600/700	30	30	24	$\phi 219*25$	1989
2000			600/700	30	30	26	$\phi 219*25$	2580
2200			600/700	30	30	28	$\phi 219*25$	2950
2500			600/700	30	30	30	$\phi 219*25$	3560

Single-cut, single flight, progressive rock auger



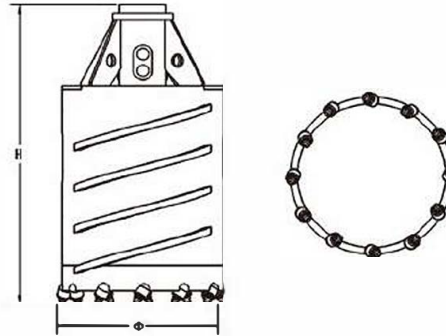
Regular

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity (excludes pilot)	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	δ1 (mm)	δ2 (mm)	pc	D2 (mm)	Kg
600	1500	Optional	400	30	30	12	∅ 180*30	780
800			500	30	30	13	∅ 219*32	965
1000			500	30	30	14	∅ 219*32	1080
1200			600	30	30	15	∅ 219*32	1782
1500			600	30	30	16	∅ 219*32	1888
1800			600	30	30	20	∅ 219*32	2350
2000			900	30	30	21	∅ 219*32	2582
2200			900	30	30	22	∅ 219*32	2891
2500			900	30	30	24	∅ 219*32	3655

Economic

OD	Height	Tool box size	Flight pitch	Flight thickness	Flight thickness	Teeth quantity (excludes pilot)	Central shaft OD	Weight
D1 (mm)	H2 (mm)		P1/P2 (mm)	δ1 (mm)	δ2 (mm)	pc	D2 (mm)	Kg
600	1250	Optional	500/600	30	30	7	∅ 180*25	490
800			500/600	30	30	7	∅ 219*25	610
1000			500/600	30	30	8	∅ 219*25	740
1200			500/600	30	30	9	∅ 219*25	960
1500			500/600	30	30	11	∅ 219*25	1384
1800			600/700	30	30	13	∅ 219*25	1700
2000			600/700	30	30	15	∅ 219*25	1965
2200			600/700	30	30	16	∅ 219*25	2219
2500			600/700	30	30	17	∅ 219*25	2870

Core barrel



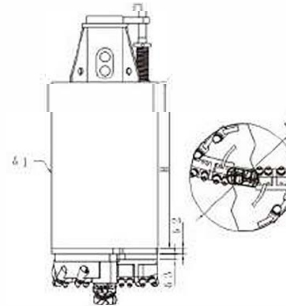
Regular

OD	Height	Tool box size	Teeth quantity	Weight	Height (excludes tool box)
mm	H (mm)		pc	Kg	mm
600	2200	Optional	6	650	1500
800			9	848	
1000			12	1028	
1200			15	1384	
1500			21	1760	
1800			24	2385	
2000			27	2800	
2200			30	3300	
2500			36	3700	

Economic

OD	Height	Tool box size	Teeth quantity	Weight	Height (excludes tool box)
mm	H (mm)		pc	Kg	mm
600	1750	Optional	6	493	1200
800			9	708	
1000			12	906	
1200			15	1112	
1500			21	1460	
1800			24	2105	
2000			27	2459	
2200			30	2757	
2500			36	3216	

Double-bottom double-cut drilling bucket [straight]



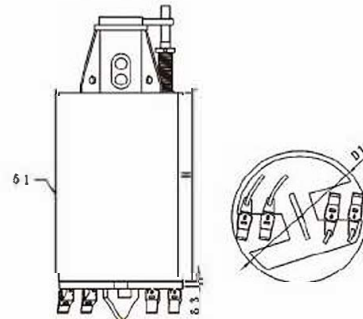
Regular

OD	Tool box size	Bucket height	Shell Thickness	Base plate thickness	Cutting plate thickness	Teeth type	Teeth quantity	Weight
D1 (mm)		H (mm)	δ1 (mm)	δ2 (mm)	δ3 (mm)		pc	kg
600	Optional	1375	20	40	50	B47K-22H	11	1080
800		1375	20	40	50		14	1545
1000		1375	20	40	50		20	1860
1200		1375	20	40	50		26	2137
1500		1375	20	40	50		28	2682
1800		1000	20	50	50		32	3459
2000		800	20	50	50		36	4070
2200		800	20	50	50		38	5082
2500		800	20	40 (Box-shape frame)	40 (Box-shape frame)		44	6219

Economic

OD	Tool box size	Bucket height	Shell Thickness	Base plate thickness	Cutting plate thickness	Teeth type	Teeth quantity	Weight
D1 (mm)		H (mm)	δ1 (mm)	δ2 (mm)	δ3 (mm)		pc	Kg
600	Optional	1200	16	40	50	B47K-22H	10	840
800		1200	16	40	50		11	1150
1000		1200	16	40	50		16	1360
1200		1200	16	40	50		19	1650
1500		1200	16	40	50		22	2210
1800		1200	16	50	50		28	3120
2000		800	20	50	50		34	3715
2200		800	20	50	50		38	4625
2500		800	20	40 (Box-shape frame)	40 (Box-shape frame)		44	6200

Single-bottom, double-cut soil bucket



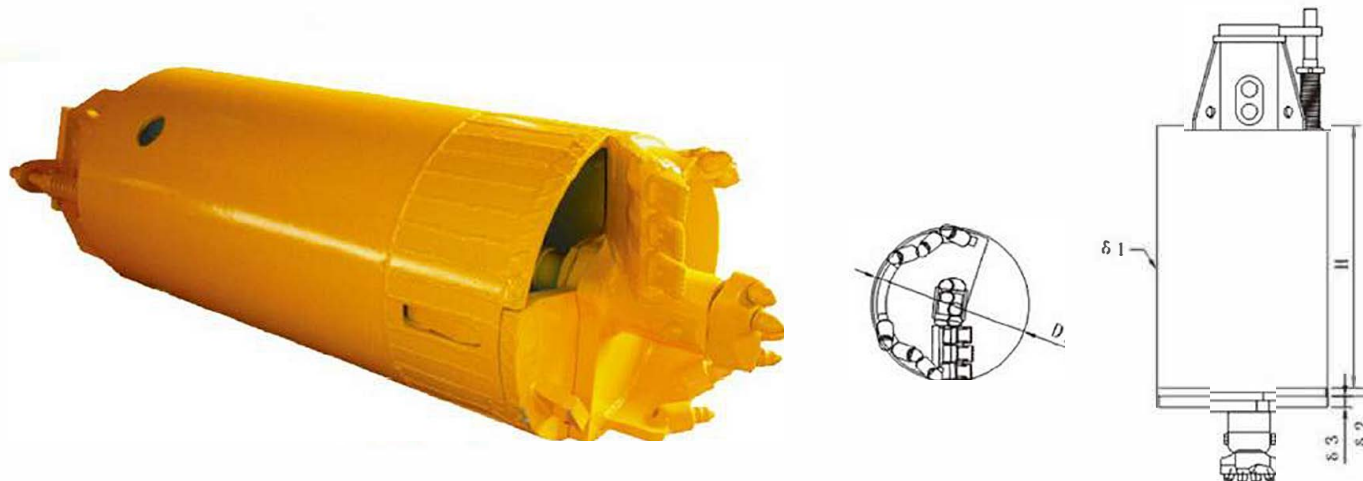
Regular

OD	Tool box size	Bucket height	Shell Thickness	Cutting plate thickness	Teeth type	Weight
D1 (mm)		H (mm)	δ1 (mm)	δ3 (mm)		Kg
600	Optional	1200	20	50	V19 V20 25T	988
800		1200	20	50		1135
1000		1200	20	50		1515
1200		1200	20	50		1816
1500		1200	20	50		2385
1800		1000	20	50		2700
2000		800	20	50		3400
2200		800	20	50		3550
2500		800	20	50		4770

Economic

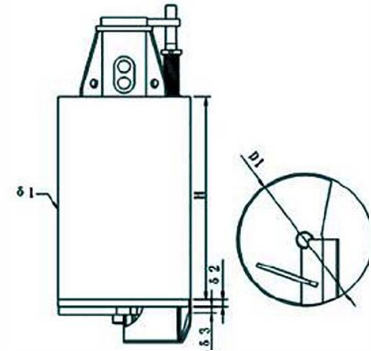
OD	Tool box size	Bucket height	Shell Thickness	Cutting plate thickness	Teeth type	Weight
O1 (mm)		H (mm)	δ1 (mm)	δ3 (mm)		Kg
600	Optional	1200	16	50	V19 V20 25T	700
800		1200	16	50		882
1000		1200	16	50		1020
1200		1200	16	50		1420
1500		1200	16	50		1765

Double-bottom, single-cut bucket (Straight)



OD	Tool box size	Bucket height	Shell Thickness	Base plate thickness	Cutting plate thickness	Teeth type	Teeth quantity	Weight
D1 (mm)		H (mm)	δ1 (mm)	δ2 (mm)	δ3 (mm)		pc	Kg
600	Optional	1375	20	40	50	BFZ70	2	1060
800		1375	20	40	50		3	1431
1000		1375	20	40	50		4	1779
1200		1375	20	40	50		5	2103
1500		1375	20	40	50		6	2726
1800		1000	20	50	50		7	3575
2000		800	20	50	50		8	4316
2200		800	20	50	50		10	5332
2500		800	20	40 (Box-shape frame)	40 (Box-shape frame)		12	6545

Double-bottom, single-cut cleanup bucket

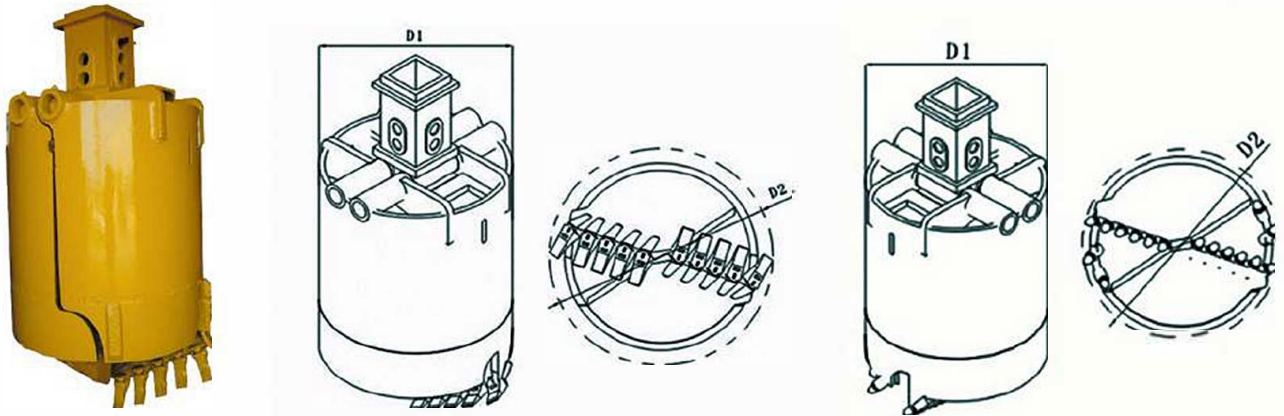


Regular

OD	Tool box size	Bucket height	Shell Thickness	Base plate thickness	Cutting plate thickness	Weight
D1 (mm)		H (mm)	δ1 (mm)	δ2 (mm)	δ3 (mm)	Kg
600	Optional	1375	20	40	50	868
800		1375	20	40	50	1165
1000		1375	20	40	50	1420
1200		1375	20	40	50	1818
1500		1375	20	40	50	2460
1800		1000	20	50	50	3362
2000		800	20	50	50	3881
2200		800	20	50	50	4775
2500		800	20	40 (Box-shape frame)	40 (Box-shape frame)	5780

Economic

OD	Tool box size	Bucket height	Shell Thickness	Base plate thickness	Cutting plate thickness	Weight
D1 (mm)		H (mm)	δ1 (mm)	δ2 (mm)	δ3 (mm)	Kg
1000	Optional	1200	16	40	50	1320
1200		1200	16	40	50	1650
1500		1200	16	40	50	2103
1800		1000	16	50	50	2856
2000		800	20	50	50	3618
2200		800	20	50	50	4661
2500		800	20	40 (Box-shape frame)	40 (Box-shape frame)	5749



Centrifugal soil bucket

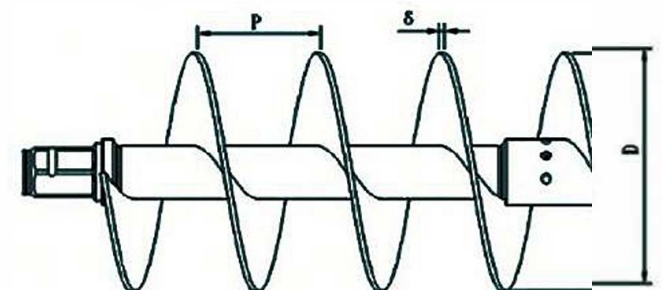
OD	Tube diameter	Cut diameter	Teeth type	Teeth quantity	Weight
mm	mm	mm		pc	Kg
600	520	600	Optional	4	819
800	680	800		6	1165
1000	860	1000		8	1480
1200	1060	1200		10	2047
1500	1360	1500		12	2866

Centrifugal rock bucket

OD	Tube diameter	Cut diameter	Teeth type	Teeth quantity	Weight
mm	mm	mm		pc	Kg
600	520	570	B47K-22H	4	808
800	680	770		8	1145
1000	860	970		10	1564
1200	1060	1170		12	2037
1500	1360	1460		15	2856

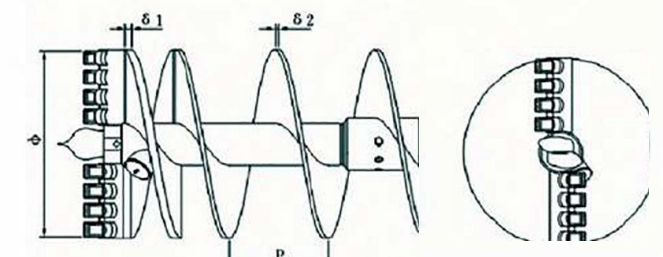
CONTINUOUS FLIGHT AUGER

OD	Tool box size	Flight thickness	Length	Flight pitch	Weight
D (mm)		δ (mm)	m	P (mm)	Kg
400	Optional	16	2	340	283
			3		386
			4		489
			5		592
			6		695
500	Optional	16	2	400	465
			3		638
			4		811
			5		983
			6		1156
600	Optional	20	2	500	526
			3		730
			4		933
			5		1137
			6		1340
800	Optional	20	2	500	671
			3		948
			4		1223
			5		1499
			6		1775
1000	Optional	25	2	600	856
			3		1225
			4		1592
			5		1961
			6		2329



CONTINUOUS FLIGHT AUGER HEADS

OD	Flight pitch	Flight thickness	Flight thickness	Weight
Φ (mm)	P(mm)	$\delta 1$ (mm)	$\delta 2$ (mm)	Kg
400	340	30	16	254
500	400	30	16	386
600	500	40	20	449
800	500	40	20	603
1000	600	40	20	797



KELLY BARS

JUNTTAN.COM/USA

LOCKING KELLY BARS

Type	Outer pipe diameter	NO. of tubes × length per section	Drilling depth	Torque
FES12 φ 340-3 × 13	φ 340mm / φ 1'1"	3 × 13 / 3 × 42'7"	36m / 118'1.3"	120KN.m
FES12 φ 356-3 × 13	φ 356mm / φ 1'2"	3 × 13 / 3 × 42'7"	36m / 118'1.3"	120KN.m
FES15 φ 377-4 × 14	φ 377mm / φ 1'3"	4 × 14 / 4 × 45'1"	52m / 170'7.2"	150KN.m
FES22 φ 394-3 × 13	φ 394mm / φ 15.5"	3 × 13 / 3 × 42'7"	36m / 118'1.3"	220KN.m
FES20 φ 406-4 × 14	φ 406mm / φ 1'4"	4 × 14 / 4 × 45'1"	52m / 170'7.2"	200KN.m
FES25 φ 419-4 × 15	φ 419mm / φ 16.5"	4 × 15 / 4 × 45'5"	56m / 170'7.2"	250KN.m
FES25 φ 445-4 × 15	φ 445mm / φ 15.5"	4 × 15 / 4 × 45'5"	56m / 170'7.2"	250KN.m
FES25 φ 470-4 × 15	φ 470mm / φ 16.5"	4 × 15 / 4 × 45'5"	56m / 170'7.2"	250KN.m
FES28 φ 508-5 × 15	φ 508mm / φ 1'8"	5 × 15 / 5 × 45'5"	70m / 170'7.2"	280KN.m
FES28 φ 508-4 × 15	φ 508mm / φ 1'8"	4 × 15 / 4 × 45'5"	56m / 170'7.2"	280KN.m
FES30 φ 530-4 × 17	φ 530mm / φ 1'8.9"	4 × 17 / 4 × 55'9"	63m / 206'8"	300KN.m
FES40 φ 580-4 × 17	φ 580mm / φ 1'10.8"	length per section × 17 / 6 × 55'9"	63m / 206'8"	400KN.m

Remark: Above parameter is for your reference only, parts of the parameter can be custom built accordingly!

LOCKING KELLY BARS

Type	Outer pipe diameter	NUMBER OF TUBES X LENGTH	Drilling depth	Torque
FES12 φ 340-3 × 13	φ 340mm / φ 1'1"	3 × 13 / 3 × 42'7"	36m / 118'1.3"	120KN.m
FES12 φ 356-3 × 13	φ 356mm / φ 1'2"	3 × 13 / 3 × 42'7"	36m / 118'1.3"	120KN.m
FES15 φ 377-4 × 14	φ 377mm / φ 1'3"	4 × 14 / 4 × 45'1"	52m / 170'7.2"	150KN.m
FES22 φ 394-3 × 13	φ 394mm / φ 15.5"	3 × 13 / 3 × 42'7"	36m / 118'1.3"	220KN.m
FES20 φ 406-4 × 14	φ 406mm / φ 1'4"	4 × 14 / 4 × 45'1"	52m / 170'7.2"	200KN.m
FES25 φ 419-4 × 15	φ 419mm / φ 16.5"	4 × 15 / 4 × 45'5"	56m / 170'7.2"	250KN.m
FES25 φ 445-4 × 15	φ 445mm / φ 15.5"	4 × 15 / 4 × 45'5"	56m / 170'7.2"	250KN.m
FES25 φ 470-4 × 15	φ 470mm / φ 16.5"	4 × 15 / 4 × 45'5"	56m / 170'7.2"	250KN.m
FES28 φ 508-5 × 15	φ 508mm / φ 1'8"	5 × 15 / 5 × 45'5"	70m / 170'7.2"	280KN.m
FES28 φ 508-4 × 15	φ 508mm / φ 1'8"	4 × 15 / 4 × 45'5"	56m / 170'7.2"	280KN.m
FES30 φ 530-4 × 17	φ 530mm / φ 1'8.9"	4 × 17 / 4 × 55'9"	63m / 206'8"	300KN.m
FES40 φ 580-4 × 17	φ 580mm / φ 1'10.8"	4 × 17 / 6 × 55'9"	63m / 206'8"	400KN.m

Remark: Above parameter is for your reference only, parts of the parameter can be custom built accordingly!

FRICITION KELLY BARS

Type	Outer pipe diameter	NO. of tubes × length per section	Drilling depth	Torque
FES12 φ 340-4 × 13	φ 340mm / φ 1'1"	4 × 13 / 4 × 42'7"	49m / 160'9"	120KN.m
FES12 φ 356-3 × 13	φ 356mm / φ 1'2"	4 × 13 / 3 × 42'7"	49m / 160'9"	120KN.m
FES15 φ 377-4 × 14	φ 377mm / φ 1'3"	4 × 14 / 4 × 45'1"	52m / 170'7.2"	150KN.m
FES22 φ 394-4 × 13	φ 394mm / φ 15.5"	4 × 13 / 4 × 42'7"	36m / 118'1.3"	220KN.m
FES20 φ 406-5 × 14	φ 406mm / φ 1'4"	5 × 14 / 5 × 45'1"	64m / 209'11.6"	200KN.m
FES25 φ 419-5 × 15	φ 419mm / φ 16.5"	5 × 15 / 5 × 45'5"	70m / 229'8"	250KN.m
FES25 φ 440-5 × 15	φ 440mm / φ 15.5"	5 × 15 / 5 × 45'5"	70m / 229'8"	250KN.m
FES25 φ 470-6 × 15	φ 470mm / φ 16.5"	6 × 15 / 6 × 45'5"	83m / 272'3.7"	250KN.m
FES28 φ 508-6 × 16	φ 508mm / φ 1'8"	6 × 16 / 5 × 52'5"	89m / 291'12"	280KN.m
FES30 φ 530-6 × 18.7	φ 530mm / φ 1'8.9"	6 × 18.7 / 6 × 61'4"	110m / 360'10.7"	300KN.m
FES40 φ 580-6 × 18.7	φ 580mm / φ 1'10.8"	6 × 18.7 / 6 × 61'4"	110m / 360'10.7"	400KN.m

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