



INTERNATIONAL
DRILLING
EQUIPMENT, INC.



Rotary
Drilling
Tools



B450

Basagrande
B450
XP

CFA *Continuous Flight Augers*

CFA piles are a type of drilled foundation in which the pile is drilled to the final depth in one continuous process using a continuous flight auger.

Concrete is then pumped under pressure down the hollow stem of the auger to the bottom of the pile.

Once pumping starts, the auger is progressively withdrawn bringing soils with it to the surface.

When the auger and its load of soil are finally removed, reinforcement to meet the design requirement is placed in the concrete pile.

Continuous Flight Auger (CFA) piles are installed without significant vibration or excessive noise being produced.

IDE can supply different types of CFA couplings which can be designed according to the rotary torque, to the soil conditions and to the designed drilling depth.

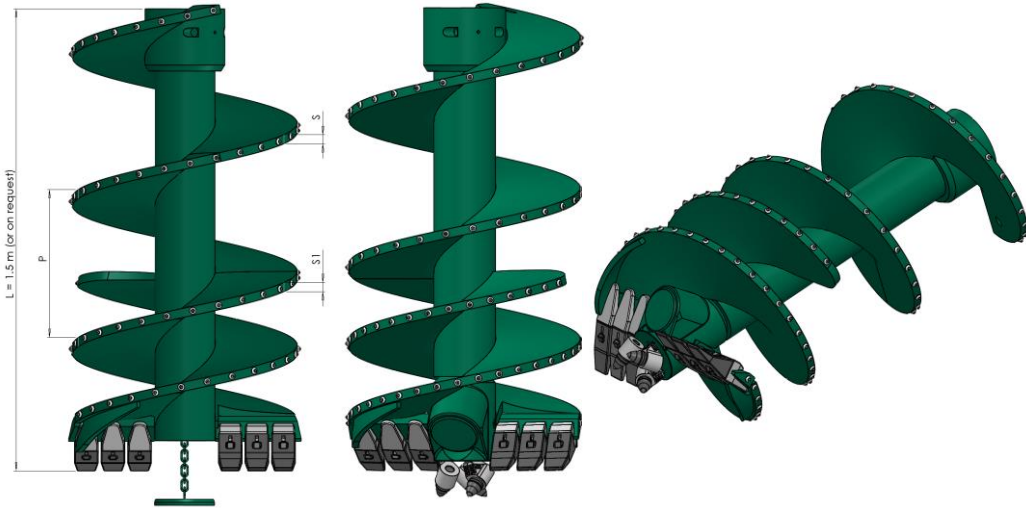
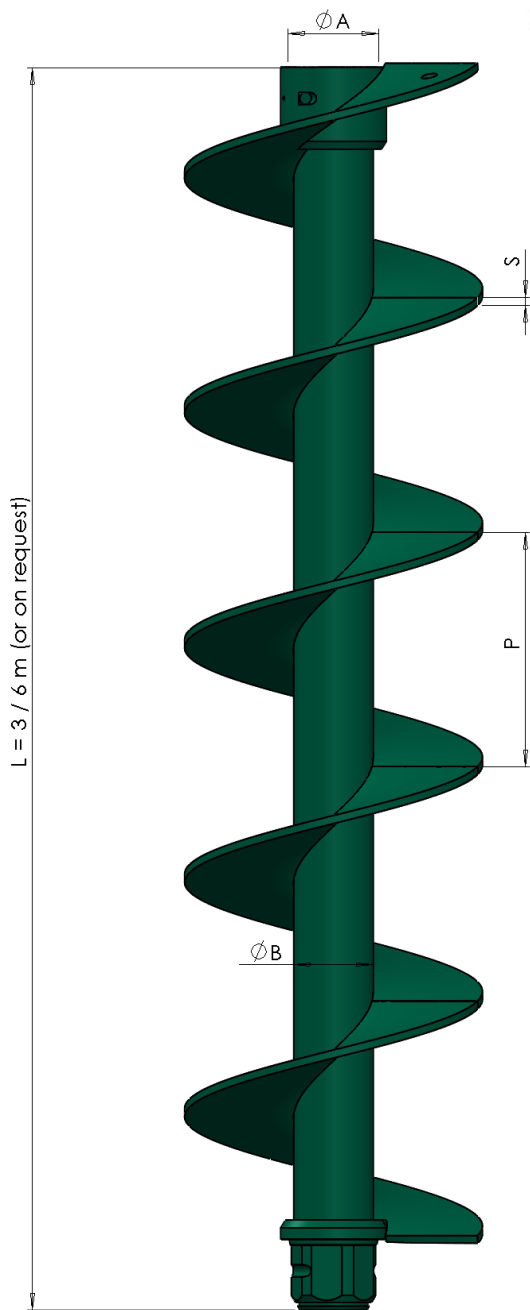
CFA strings are provided with concrete inner tube diameter on request to fit concrete piping already installed on the base rigs.

Coupling of CFA sections is by high resistance design, fully machined M/F joints, made of special case-hardened steel.

CFA tooling can be equipped with double start digging head for rock or for soil, supplied with interchangeable round shank chisels or teeth.

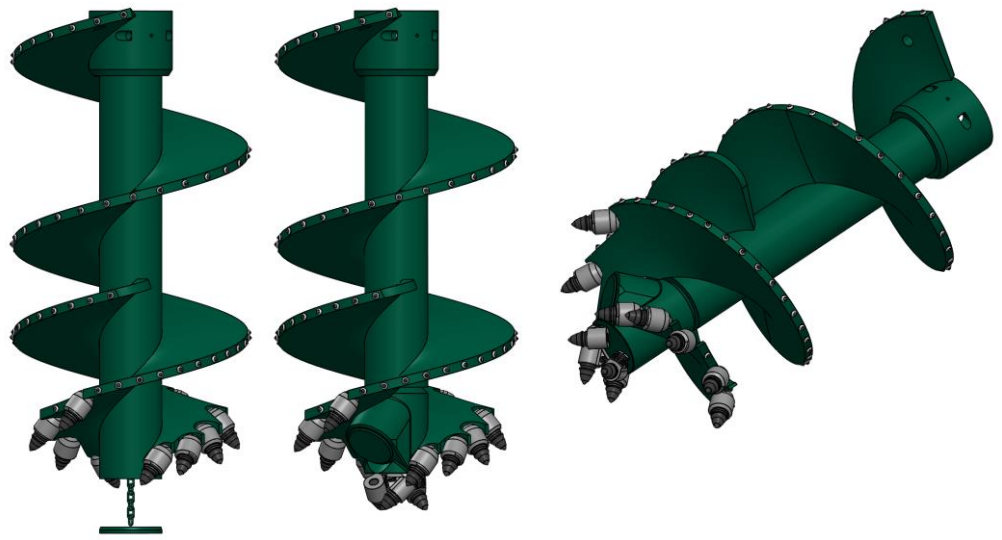
Flight hedges are Tung Studs HB 900 or HB 600 hard face welded.

Bottom concrete exit is with steel plug and recovery chain. Side exit can be supplied on request.



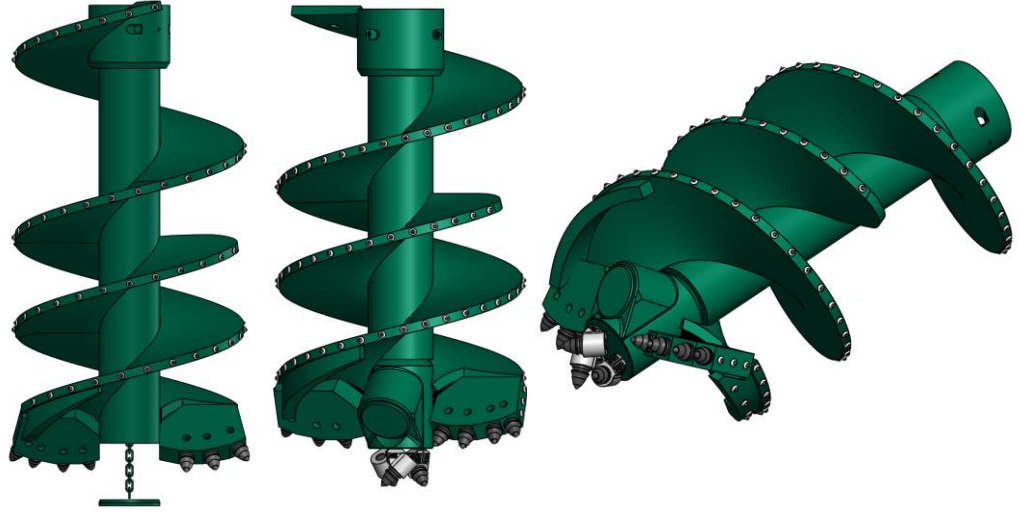
Bottom Opening

Side Opening



Bottom Opening

Side Opening



Bottom Opening

Side Opening



HEX 160 HEAGONAL JOINT

Suitable for torque up to 160 kNm

Technical details

Minimum diameter 350 mm

Maximum diameter 1000 mm

Hexagonal joint 160 mm

Concrete passage ØA 125 mm (5")

Central pipe ØB 177.8 mm

Maximum torque 160 KNm

HEX 200 HEAGONAL JOINT

Suitable for torque higher than 160 kNm up to 350 kNm

Technical details

Minimum diameter 400 mm

Maximum diameter 1200 mm

Hexagonal joint 200 mm

Concrete passage ØA 143 mm (5" 1/2)

Central pipe ØB 203 mm

Maximum torque 160 KNm up to 350 kNm

Ø Borehole mm	S mm	P mm	S1 mm	Ø Borehole mm	S mm	P mm	S1 mm
350	20	350	30	350	20	350	30
400	20	350	30	400	20	350	30
500	20	400	30	500	20	400	30
600	20	500	30	600	20	500	30
700	20	600	30	700	20	600	30
800	20	600	30	800	20	600	30
900	20	600	30	900	20	600	30
1000	20	600	30	1000	20	600	30
				1000	20	600	30
				1200	20	600	30

Other dimensions are available upon request

Ø mm	Weight L=3m kg	Weight Additional meter kg	Weight Soil head kg	Weight Rock head kg	Ø mm	Weight L=3m kg	Weight Additional meter kg	Weight Soil head kg	Weight Rock head kg
350	465	145	270	270	400	780	235	470	470
400	475	145	280	280	500	815	250	530	530
500	540	165	325	325	600	850	265	580	580
600	580	180	370	370	700	920	290	650	650
700	645	200	430	430	800	965	300	710	710
800	690	215	475	475	900	1070	340	810	810
900	795	250	560	500	1000	1180	375	935	935
1000	920	270	660	600	1100	1490	480	1140	1140
					1200	1650	535	1300	1300





IDE *International Drilling Equipment, Inc.*
645 Angus Street
Rural Hall, NC 27045
p 877-207-6062
f 866-710-3842
IDEDRILL.com