

대구경장비

Bored Pile Equipment

- RCD(Reverse Circulation Drilling Machine)
- Casing Oscillator
- Hammer Grab
- Power Pack
- Rotator

www.sambocmc.com

Casing Oscillator

Special features

A basic equipment for large bored pile construction which transfer the load of Upper structure to the ground layer by mechanical excavation.

- Large bored pile equipment for the foundation construction with round-shaped section.
- Excellent excavating/extracting ability with Sambo power pack.
- Special treatment
  - Normalizing the whole upper clamping collar after welding finished in order to relieve the internal welding stress.
  - Machining the holes on the upper clamping collar by boring machining tool after normalizing.

특 징

– 대구경 장비로서 기계 굴착에 의한 Casing을 심는 장비 임.
– 상부 구조 물이 받는 하중을 지지층에 전달시키기 위하여 굴착하는 장비 임.
– 대구경 장비로서 단면 형상을 원형으로 시공 가능함.
– SAMBO POWER PACK과 결합하여 사용 시 굴착 및 인발(引拔) 성능을 증가 시킬 수 있음
– 특수제작공정
  • 상부Clamp 제작 시 용접작업 후 노말라이징 열처리 공정을 추가하여 용접구조물내 존재하는 국부 열응력을 제거한다.
  • 상부Clamp 노말라이징 열처리 후 대형공작기계를 이용하여 링크 내경을 가공하는 공정을 택하여 정밀 조립공차를 유지한다.



Technical Data

Description		SCO150	SCO200	SCO250	SCO300	SCO 300H	SCO 330
Lifting stroke (mm)		600	600	650	650	850	650
Lifting force (kN)		2,250	2,750	5,150	7,250	8,500	9,100
Clamping force (kN)		1,820	2,250	3,780	4,780	4,780	5,450
Rotation angle (°)		25	24	25	21	24	24
Oscillating torque (kN-m)		3,500	4,265	7,100	11,000	13,500	13,350
Weight (ton)		20	28	42	57	63	65
Hydraulic Power Pack	Engine output (hp)	260		360		600	
	Max. oil flow of hydraulic pumps (L/min)	2x200		2x200+200		2x300+200	
	Max.pressure (bar)	300		320		320	
	Oil tank (Liter)	1,200		2,000		2,000	
	Fuel tank (Liter)	510		900		900	
	Unit weight (kg)	7,000		11,000		11,000	



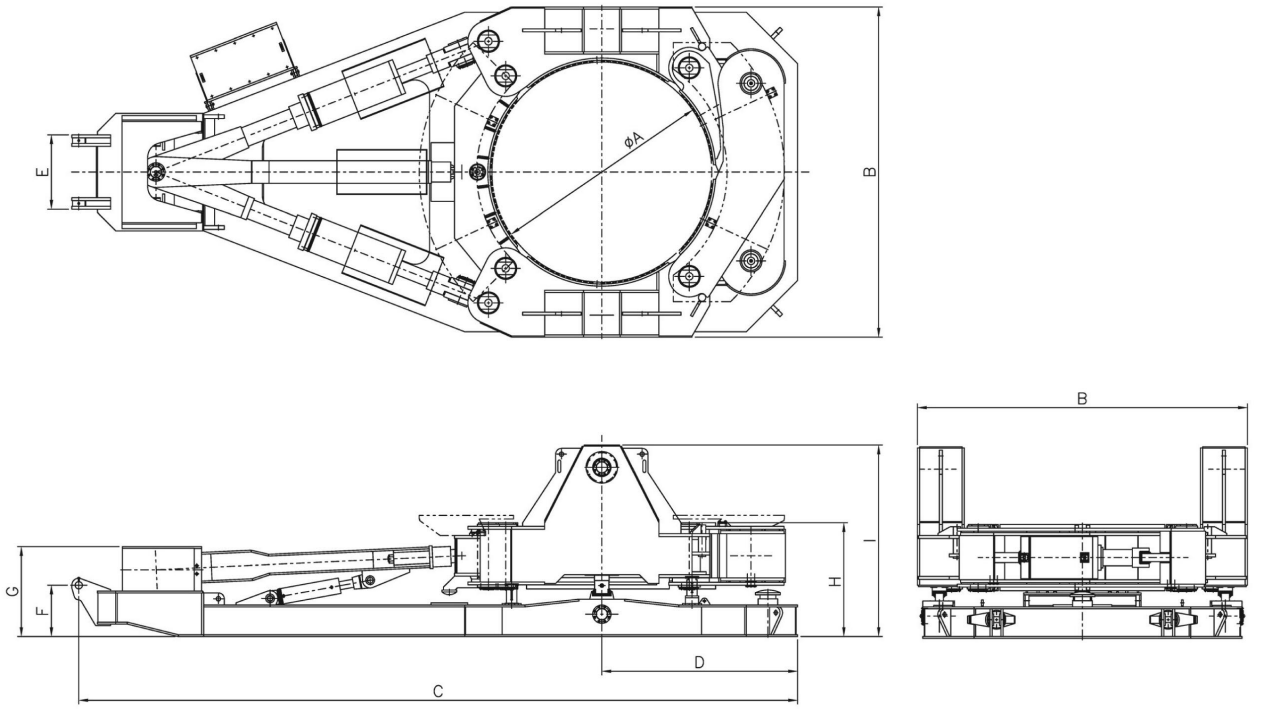




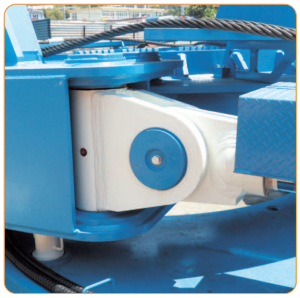


The above may change during further development. (상기 사양은 보다 나은 개발을 위해 변경될 수 있음.)

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Specifications

Model / Size	SCO150	SCO200	SCO250	SCO300	SCO330	Remarks
A (Max. casing dia.) mm	1,500	2,000	2,500	3,000	3,300	
B (Width of machine) mm	3,547	3,766	4,355	4,650	4,880	
C (Length of machine) mm	6,600	7,660	8,800	9,805	10,570	
D (Min. spacing) mm	1,400	1,760	2,230	2,670	2,850	
E (Width of cradle) mm	1,014	1,014	1,014	1,014	1,014	
F (Axis excavator cradle) mm	700	700	700	700	700	
G (Height of machine for excavator side) mm	950	950	1,130	1,225	1,270	
H (Height from ground to top of cradle guide) mm	1,225	1,275	1,470	1,550	1,670	
I (Height of machine) mm	1,950	1,950	2,360	2,610	2,730	

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