

SIDE GRIP VIBRATORS

The clever choice for many pile driving jobs



DESCRIPTION

Side grip vibrators can grab the pile from the ground using the side clamp, rotate it to driving position and drive it until a depth where the excavator can reach the pile top and use the bottom clamp to drive the pile to final depth.

SGM series side grip pile drivers are modular, universal pile drivers for driving and extracting steel sheet piles, steel tubes and pipes of different dimensions as well as timber piles.

With its unique patented design the jaws can be changed on arms in a few minutes and drive the profile type of your choice.

ADVANTAGES

SMS is the developer and manufacturer of excavator-mounted piling and foundation equipment and a new generation of side grip technology. The vibratory pile drivers are simple, robust and utilise proprietary brand components.

Several features of our vibratory pile drivers are patented. One of the key features of our pile drivers is the forced lubrication of bearings and gears by two separate oil lines, resulting in longer life and the machine being able to run for long hours without overheating.

TECHNICAL DATA FOR SGM UNIVERSAL SIDE GRIP VIBRATOR

Data	Unit	SGM 15	SGM 30	SGM 40	SGM 60	SGM 80	SGM 100
Eccentric moment	kNm	1,1	3	4	6,5	8	10
Centrifugal force	kN	100	300	450	545	615	615
Frequency	vpm	3000	3000	3000	2750	2650	2650
Pulling force max.	kN	50	60	120	120	175	200
Pushing force max.	kN	35	40	80	80	90	105
Dynamic weight	kg	700	1080	1500	1900	2300	2350
Total weight	kg	1300	1800	2400	3100	3600	3700
Length	mm	910	1290	1350	1275	1500	1358
Width	mm	950	1226	1135	1135	1230	1296
Height	mm	1990	2592	2500	2740	2801	3020
Flow	l/min	120	120	170	204	240	280
Pressure	bar	300	300	300	300	300	300-350
Power	kW	48	65	95	115	140	185
Hydraulic motor		F12-30	F12-40x1	F12-30x2	F12-40x2	F12-40x2	F12-40x2
Oil pump		Yes	Yes	Yes	Yes	Yes	Yes
Cylinders		3	3	3	3	3	3
Swing/tilt angle		360°/30°	360°/30°	360°/30°	360°/30°	360°/30°	360°/30°
<i>General Recommendations</i>							
Excavator class	ton	8-12	13-18	20-28	28-32	33-40	38 +
Sheet pile size	mm	400-1200	400-1200	400-1200	400-1200	400-1200	400-1200
Sheet pile length	m	6	8	10	12	14	16
Tubular pile length	m	6	6	8	10	12	14
Tubular pile ø	mm	90-325	90-325	80-426	90-550	90-680	90-750
H-Beam Size		H100-H400	H100-H400	H100-H500	H100-H500	H100-H500	H100-H500



Our standard offers for SGM Vibrators include:

- Adapter to excavator boom stick
- Control set and display
- Side sheet pile clamp
- Bottom sheet pile clamp
- Travel stand



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