

MOVAX

SG-25

SG-30

SG-40

SIDE-GRIP Vibratory Hammer

From 9 to 21 t



SHEET PILES - TUBE PILES - TIMBER PILES

SG-25, SG-30 and SG-40

Vibratory pile driver and extractor for 9 – 21 ton excavators and backhoes.

Modular Movax SG-series piler comes in three versions;

- SG-25 for backhoes,
- SG-30 for 13-16 ton excavators and
- SG-40 for 17-21 ton excavators.

These units are replacing the older units SP-30, SP-40E and SP-40W.

Key features

1. **Easy changing** of the pile clamps. The side-grip clamps can be quickly changed on the connection surface enabling easy swap from sheet piles or H-beams to round steel or timber piles. Biggest diameter of tubular pile is 457 mm. Adjustable gripping force ensures a firm and safe grip without damaging the pile.
2. **Light weight** (1200kg) design makes handling of this unit easier also with wheel excavators, railroad vehicles and backhoes.
3. **High quality** piston motor and other hydraulic components are made to work under high pressure. SG-30 and SG-40 units can work at full system pressure up to 350 bar on most excavators. SG-25 runs at 220 bar on backhoes but even this unit has designed to resist 350 bar.
4. **Smart design.** Reliability, safety and user-friendliness are the basis of the design. Hydraulic valves are located to safe yet accessible place under the tilt plate. Amount of hydraulic hoses are minimised and clamping cylinders are protected.

Technical data

Piler type	SG-25	SG-30	SG-40
Weight without adapter (kg)	1200	1205	1210
Height (mm)	1962		
Depth (mm)	902		
Width (mm)	999		
Excavator class (ton)	9-12	13-16	17-21
Excavator engine power min. (kW)	46	65	86
Oil flow (l/min)	90 (at 200 bar)	90 (at 280 bar)	120 (at 280 bar)
Max. return pressure (bar)	5	5	5
Pressure settings min-max (bar)	220-350	300-350	300-350
Frequency max (1/min)	3000		
Centrifugal force (kN)	250	300	400
Driving method	vibra		
Swing / tilt angle (°)	360/30		
Oil pump (lubrication)	yes		
Case drain from motor	yes		

Control systems

Automatic control system of the excavator keeps the pile vertical or, if required, inclined to certain angle. Alternatively, manual control device is available.

Available equipment

Movax SG is delivered with one customer chosen pair of side-grip clamps selected and bolt-on type bottom clamp if not otherwise required. Available clamps and other equipment are sheet pile and H-beam clamps, tubular pile clamps, timber pile clamps, top hitter for timber piles and compacting plate. Adapter plates are made to fit all common excavators and quick couplers. Please contact Movax for tailored clamps made to meet your specific needs.

Suitable piles

Piler type	SG-25	SG-30	SG-40
- Pile weight max. (kg)	600		
- Pile length max. (m)	8		
Piles made of steel			
- Sheet pile depth (mm)	210		
- Tubular pile diameter (mm)	90-457		
- H-beams min. size	H180		
Timber pile diameter (mm)	200-300		

