



SIDE-GRIP PILE DRIVER



Pile Driving Equipment

www.omsvibro.de

WHAT MAKES OMS SIDE GRIP DIFFERENT & BETTER?



OMS Pile Driving Equipment GmbH. provides a large selection of **side grip vibro hammer** for sale. We also offer side grip vibratory hammer for rental. As we are a manufacturer of vibro hammer and its attachment you can save your time and money. It is also possible to have customised design and colors **sheet pile drivers** upon special request.



**Short Time
Working &
Completion
Time!..**

Gripping Arms/ Clamp and the Bottom Clamp



Gripping Arms/Clamp



Bottom Clamp

It is equipped with both gripping arms/clamp and the bottom clamp. One of the clamps is located in front of vibration case, while the other one is below the vibration case. Hydraulic clamps have gripping jaws. The hydraulic cylinder operates the gripping arms with force up to 500 kN. Bottom clamp is operated with up to 633 kN, depending on clamp relief pressure. The clamps can be opened and closed directly from excavator "Joy Stick" or from the electrical remote control monitor. Clamping and un-clamping occurs in a few seconds.

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30° Tilting and 360° Rotating Mechanism

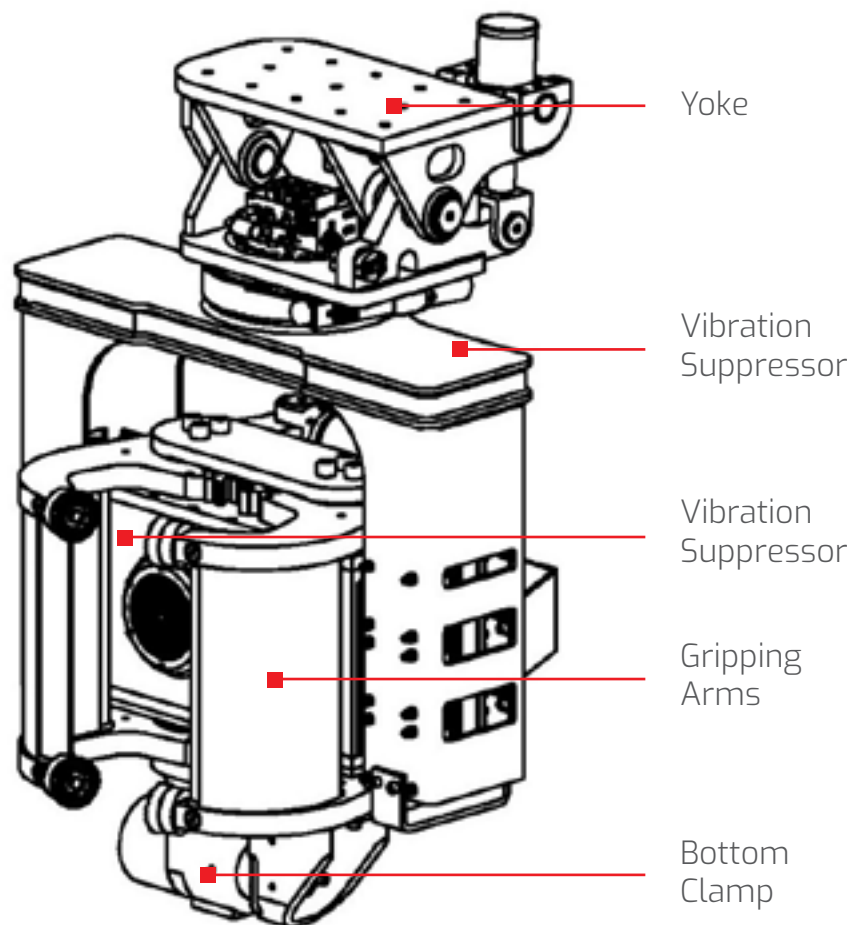
OVR SG series vibrator has 360° rotating and +/- 30° tilting mechanism which makes it effective for pile driving on most sites from open areas to confined spaces or limited headroom.

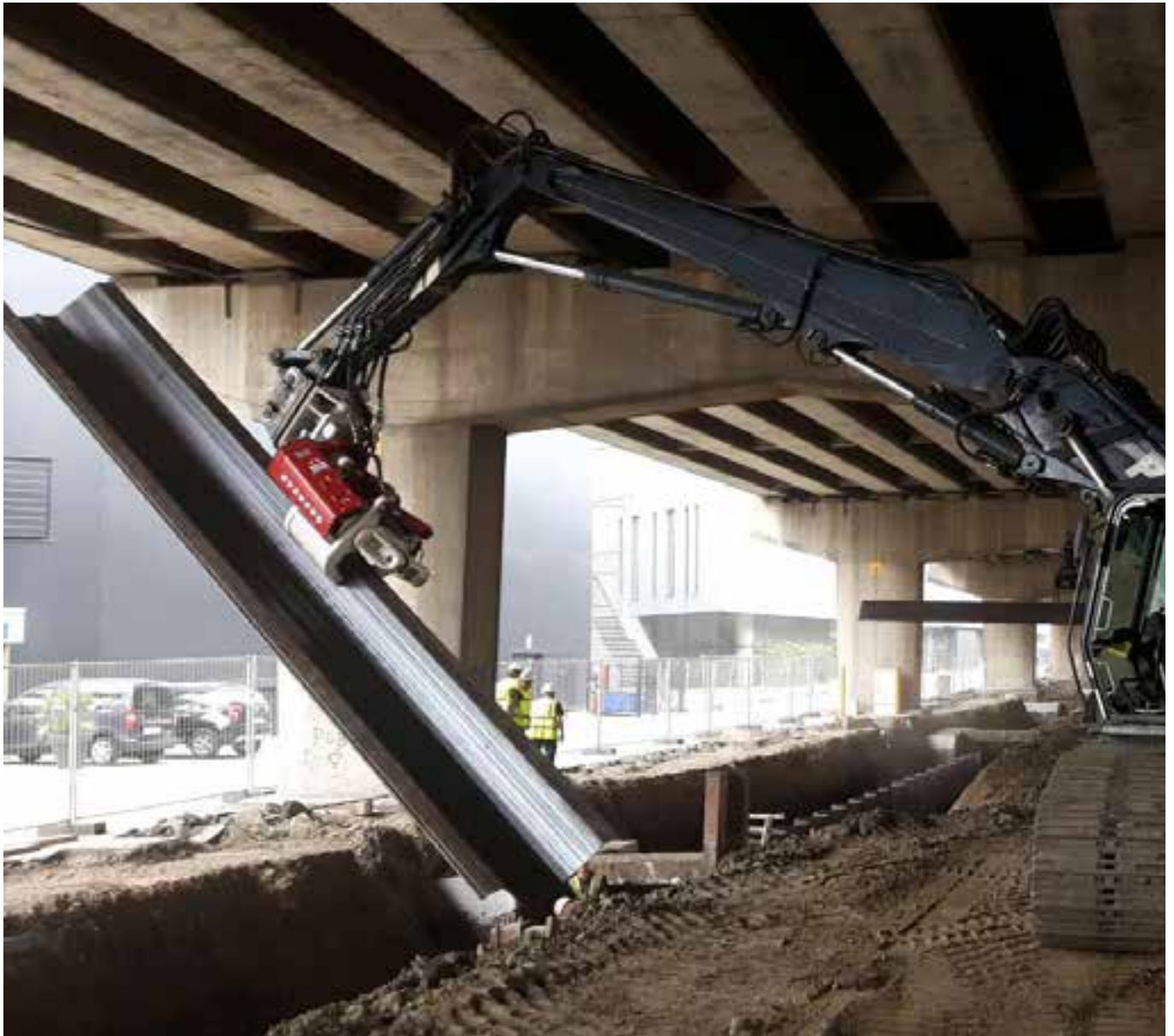
Quick Setup Time

The vibro hammer can be fitted easily and quickly without any modifications required to the excavator and is controlled directly by the excavator operator.

The vibrator consists of five major components.

- The Yoke
- The Vibration Case
- The Vibration Suppressor
- Hydraulic Clamps
- Gripping Arms





Driving Process Without Need of Manual Handling

Side grip can handle, pitch and drive the sheet piles. It is capable to accomplish the whole pile driving process without need of manual handling of the piles or assisting machinery. It is an effective solution for pile driving on most sites from open areas to confined spaces or limited headroom.



Customised Design & Colors

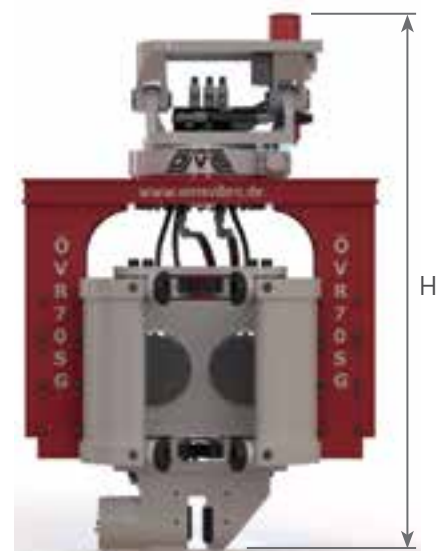
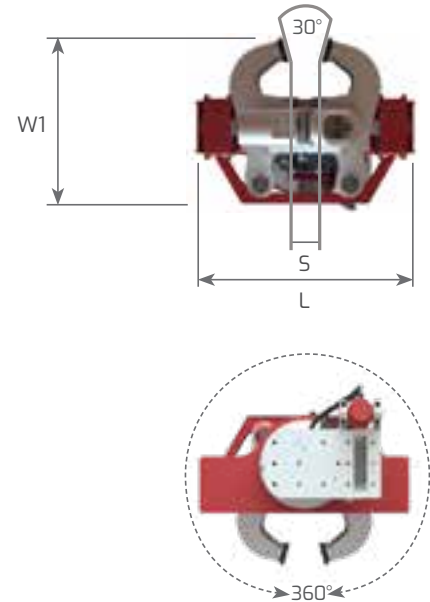
As we are a direct manufacturer with a team of experienced technicians and engineers, we can also make custom design & manufacturing to meet your projects needs and requirements.

- Available for a wide range of applications,
- Available for different excavator models/sizes,
- Safety by using the OMS range of hydraulic clamps,
- Competitive reduced job costs,
- Higher productivity & production rate.



Technical Specifications

SHEET PILE DRIVERS



TECHNICAL SPECIFICATIONS FOR SHEET PILES

Technical Specifications	40 SG	50 SG	60 SG	70 SG
Eccentric Moment (kgm)	4	5.2	6.3	7.3
Centrifugal Force (kN)	277	354	432	499
Centrifugal Force (kN) Max.	335	428	524	604
Frequency (rpm)	2500	2500	2500	2500
Frequency (rpm) Max.	2750	2750	2750	2750
Oil Flow (l/min)	100	150	201	232
Oil Flow (l/min) Max.	110	165	221	256
Power (kW)	53.3	87.5	117.3	135.6
Power (kW) Max.	58.7	96.3	129	149.2
Amplitude (mm)	4.6	5.2	6	7
Pulling Force (kN)	117	117	177	177
Side Gripping Force (kN)	346	346	498	498
Bottom Clamping Force (kN)	398	398	633	633



Weight and Dimensions	40 SG	50 SG	60 SG	70 SG
Dynamic Weight (kg)	1417	1568	1992	2210
Total Weight (kg)	2568	2705	2920	3140
Length / L (mm)	1420	1420	1450	1450
Height / H (mm)	2124	2124	2257	2257
Width / W1 (mm)	1190	1190	1215	1215
Arm Stroke / S (mm)	225	225	225	225




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