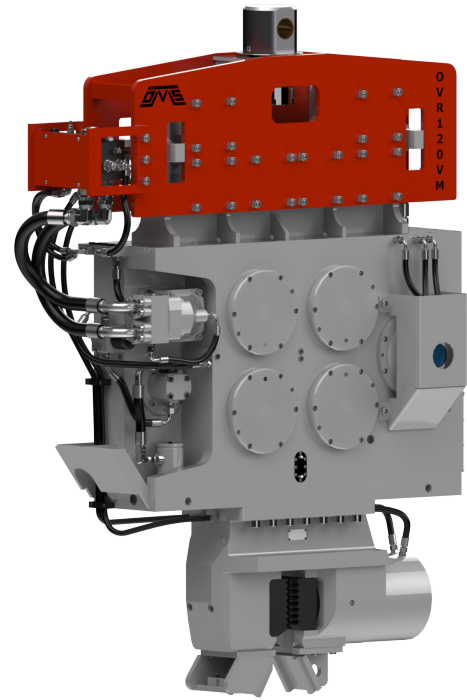




OMS Pile Driving Equipment

OVR 120 VM

EXCAVATOR MOUNTED
VIBRATORY HAMMER



***Suitable for near
historical buildings
to use with variable
(resonance - free) models.***

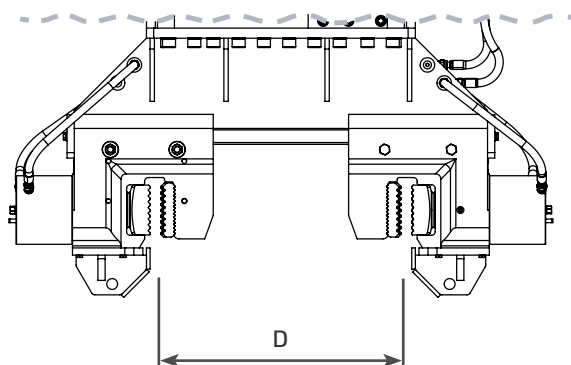
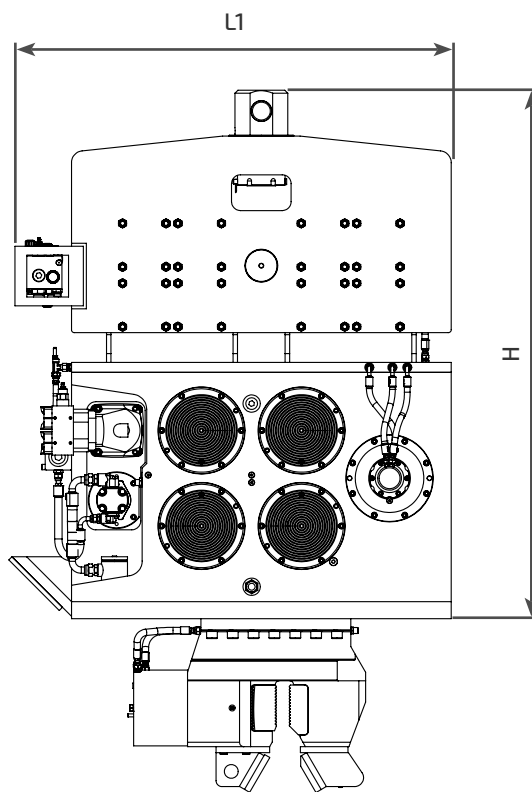
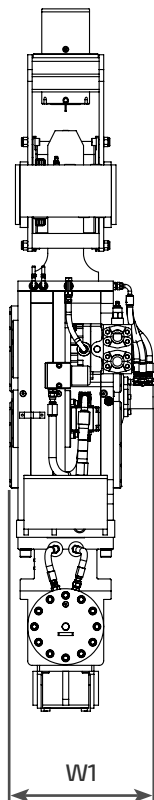
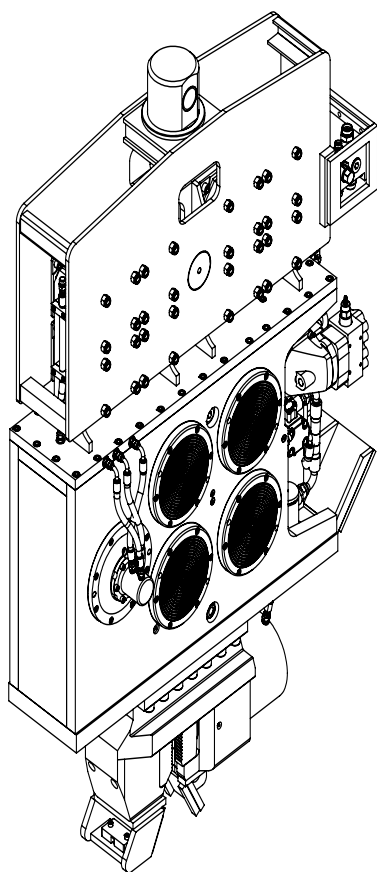
ADVANTAGES

- Environmentally friendly technology,
- Controlled amplitude by means of adjustable eccentric moment,
- Resonance - free start - stop,
- Optimum force application to the ground via variable moment feature,
- Minimized sound transmission through high-capacity anti-vibration mounts,
- Powerful, reliable and long life.

Amplitude / eccentric moment can be easily adjusted from minimum to maximum with a variable motor (phase shifter).

The variable moment (phase shifter) of SVR Variable Moment Vibratory Hammers adjusts the position of the eccentric masses according to start and stop of the vibration case (gear box) to not generate resonance. Thus, the vibration case vibrates at maximum frequency and this reduces the disturbance to surrounding soils.

OVR 120 VM / Technical Specifications



Technical Specifications

Unit	Metric	US
Eccentric Moment	0 - 12 kgm	0 - 1041 in.lbs
Centrifugal Force	698 kN	79 tons
Frequency	2300 rpm	2300 rpm
Oil Flow	362 l/min	96 gpm
Power	193 kW	259 hP
Amplitude	14 mm	0.6 in
Pulling Force Max.	177 kN	20 tons

Weight and Dimensions

Unit	Metric	US
Dynamic Weight W/O Clamp	1750 kg	3858 lbs
Total Weight W/O Clamp	2160 kg	4762 lbs
Length / L1	1566 mm	62 in
Height / H1	1614 mm	64 in
Height / H2	2245 mm	88 in
Width / W1	314 mm	13 in
Width / W2	511 mm	19 in

Recommended Clamp Type for Sheet Piles

SCN 100

Unit	Metric	US
Clamping Force	1005 kN	113 tons
Weight	620 kg	1367 lbs

Recommended Clamp Type for Casing

KCN 40x2

Unit	Metric	US
Diameter (min. - max.) / D	350 - 970 mm	14 - 38 in
Clamping Force	465 x 2 kN	104 tons
Weight	185 x 2 kg	816 lbs

Recommended Excavator Working Weight (ton)

40 - 50

