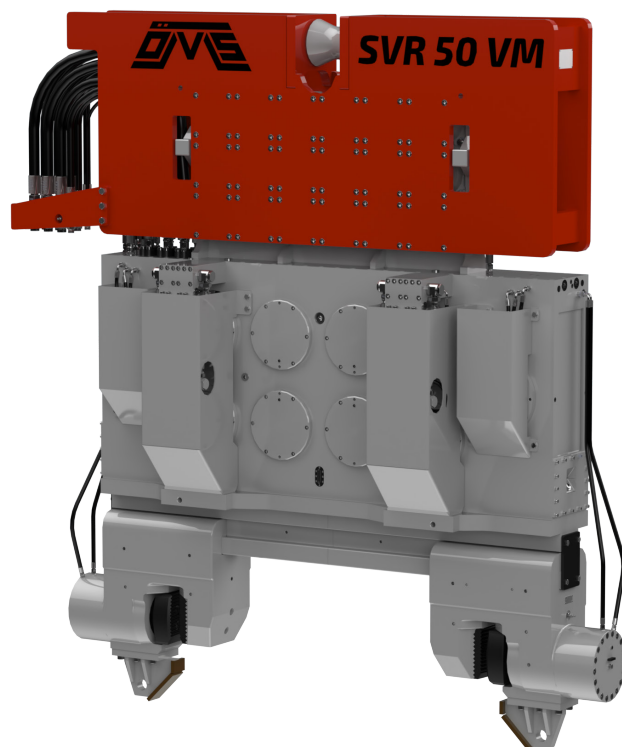




OMS Pile Driving Equipment

SVR 50 VM

**CRANE HANGING
VIBRATORY HAMMER**



ADVANTAGES

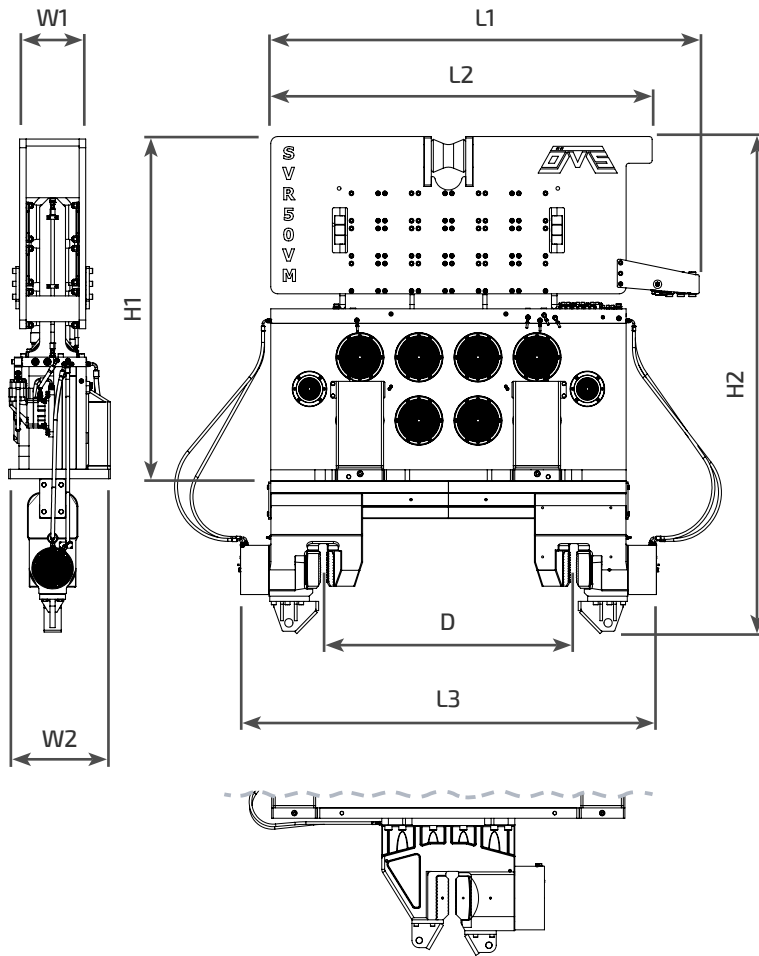
- Environmentally friendly technology,
- Controlled amplitude by means of adjustable eccentric moment,
- Resonance - free start - stop,
- Optimum force application to the ground via variable moment feature,
- Minimized sound transmission through high-capacity anti-vibration mounts,
- Powerful, reliable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

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

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.

SVR 50 VM / Technical Specifications



Technical Specifications

Unit	Metric	US
Eccentric Moment	0 - 50 (kgm)	0-4340(in.lbs)
Centrifugal Force Max.	2923 (kN)	329 (tons)
Frequency	2300 (rpm)	2300 (rpm)
Oil Flow	1380 (L/min)	365 (gpm)
Power	805 (kW)	1080 (hP)
Amplitude	16 (mm)	0.6 (in)
Pulling Force Max.	1060 (kN)	120 (tons)

Weight and Dimensions

Unit	Metric	US
Dynamic Weight W/O Clamp	6400 (kg)	41109 (lbs)
Total Weight W/O Clamp	8900 (kg)	19621 (lbs)
Length / L1	3135 (mm)	123 (in)
Length / L2	2790 (mm)	110 (in)
Length / L3	3085 (mm)	121 (in)
Height / H1	2450 (mm)	96 (in)
Height / H2	3539 (mm)	139 (in)
Width / W1	388 (mm)	15 (in)
Width / W2	862 (mm)	34 (in)
Throat Width	360 (mm)	14.2 (in)

Recommended Clamp Type for Sheet Piles

SCN 350

Unit	Metric	US
Clamping Force	3560 (kN)	400 (tons)
Weight	2560 (kg)	5644 (lbs)

Recommended Clamp Type for Casing

KCN 185 x 2

Unit	Metric	US
Diameter (min. - max.) / D	600 - 1800 (mm)	24 - 71 (in)
Clamping Force	1858 x 2 (kN)	418 (tons)
Weight	1164 x 2 (kg)	5133 (lbs)

Recommended Power Pack

PP 1536

Unit	Metric	US
Oil Flow Max.	2000 (lpm)	528 (gpm)
Pressure Max.	350 (bar)	5076 (psi)
Oil Capacity	1200 (liter)	317 (gal)
Diesel Tank Capacity	1000 (liter)	264 (gal)
Width	2445 (mm)	96 (in)
Length	6060 (mm)	239 (in)
Height	2590 (mm)	102 (in)

Stage	Model	Power	Weight (kg)	Weight (lbs)
Tier 2	Volvo 2 x TAD1643VE	1130 / 1536 (kW/hP)	14000	30856

