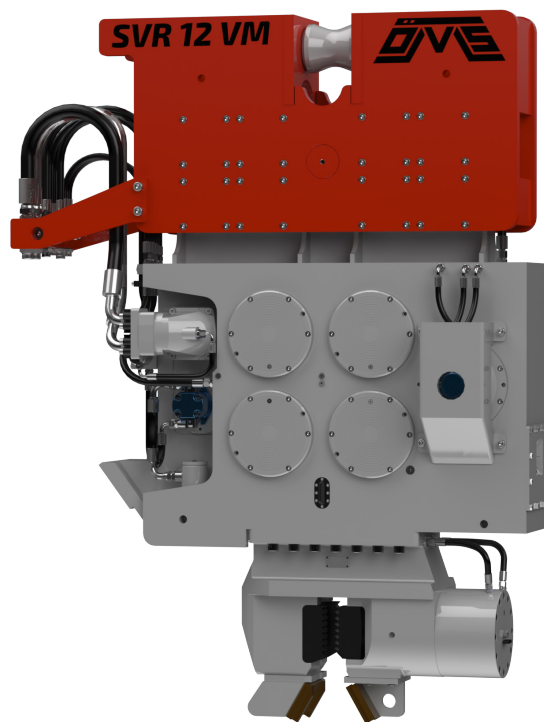




OMS Pile Driving Equipment



SVR 12 VM

CRANE HANGING
VIBRATORY HAMMER

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

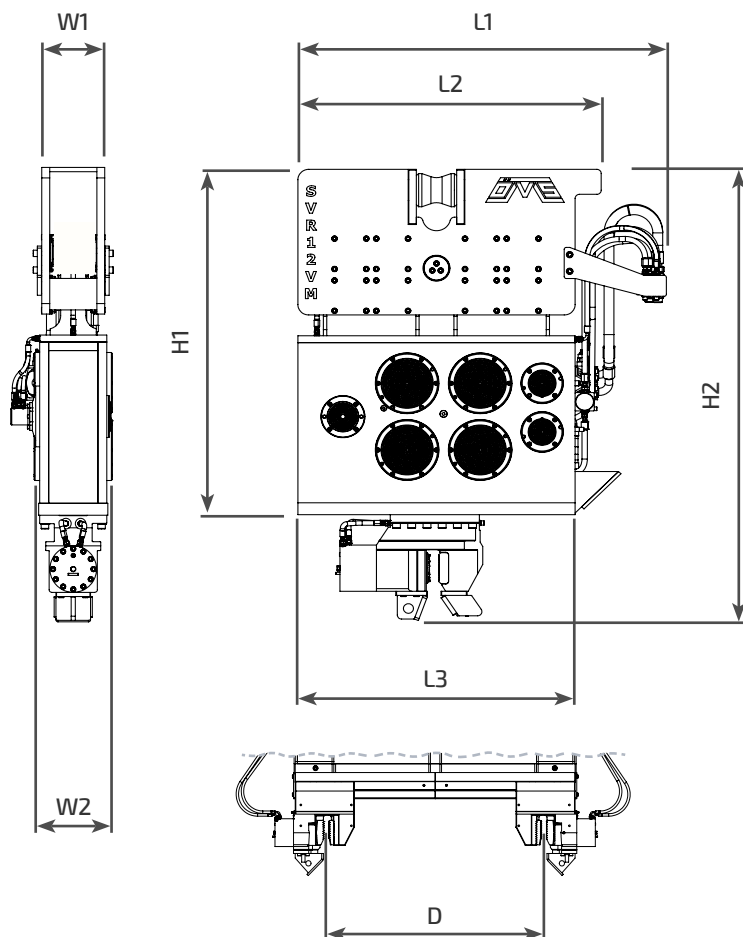
ADVANTAGES

- 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.

SVR 12 VM / Technical Specifications



Technical Specifications

Unit	Metric	US
Eccentric Moment	0 - 12 (kgm)	0 - 1041 (in/lbs)
Centrifugal Force Max.	698 (kN)	79 (tons)
Frequency	2300 (rpm)	2300 (rpm)
Oil Flow	362 (l/min)	96 (gpm)
Power	211 (kW)	283 (hP)
Amplitude	13 (mm)	0.5 (in)
Pulling Force Max.	235 (kN)	27 (tons)

Weight and Dimensions

Unit	Metric	US
Dynamic Weight W/O Clamp	1850 (kg)	4079 (lbs)
Total Weight W/O Clamp	2570 (kg)	5666 (lbs)
Length / L1	1695 (mm)	67 (in)
Length / L2	1395 (mm)	55 (in)
Length / L3	1822 (mm)	72 (in)
Height / H1	1660 (mm)	65 (in)
Height / H2	2407 (mm)	95 (in)
Width / W1	301 (mm)	12 (in)
Width / W2	511 (mm)	20 (in)
Throat Width	320 (mm)	12.6 (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 45 x 2

Unit	Metric	US
Diameter (min. - max.) / D	350 - 700 (mm)	14 - 28 (in)
Clamping Force	465 x 2 (kN)	104 (tons)
Weight	185 x 2 (kg)	816 (lbs)

Recommended Power Pack

PP 320

Unit	Metric	US
Oil Flow Max.	460 (lpm)	122 (gpm)
Pressure Max.	350 (bar)	5076 (psi)
Oil Capacity	500 (liter)	132 (gal)
Diesel Tank Capacity	650 (liter)	172 (gal)
Width	1660 (mm)	63 (in)
Length	4230 (mm)	167 (in)
Height	1750 (mm)	69 (in)

Stage	Model	Power	Weight (kg)	Weight (lbs)
Tier 3	Volvo TAD853VE	235 / 320 (kW/hP)	5200	11461
Tier 4f	Volvo TAD873VE	235 / 320 (kW/hP)	5300	11681

