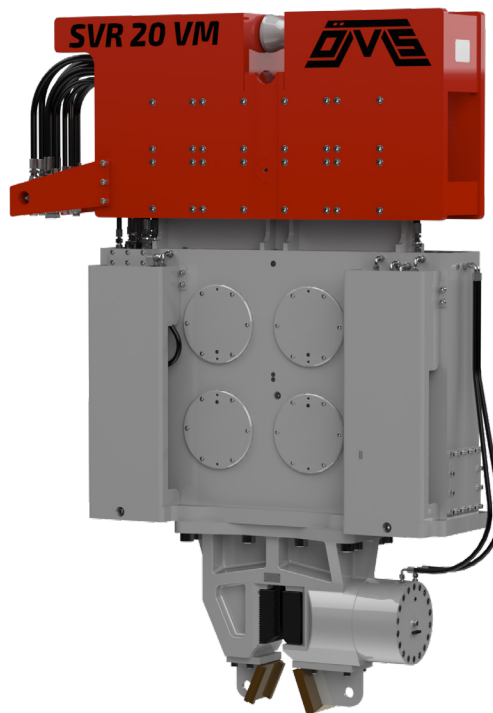




OMS Pile Driving Equipment



SVR 20 VM

CRANE HANGING
VIBRATORY HAMMER

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

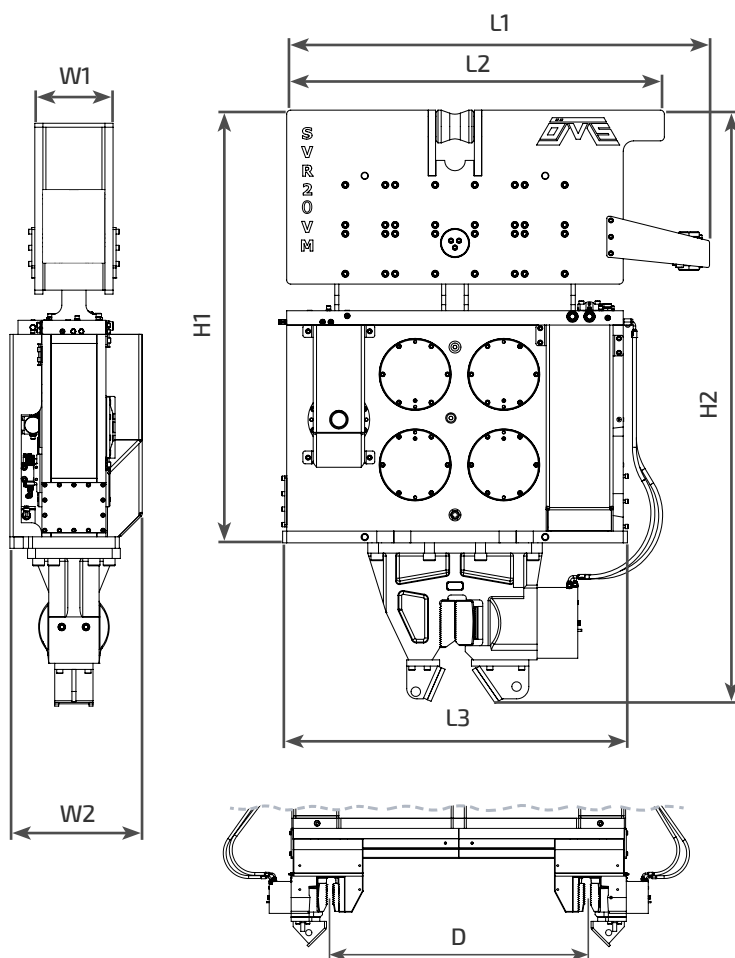
ADVANTAGES

- 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 20 VM / Technical Specifications



Technical Specifications

Unit	Metric	US
Eccentric Moment	0 - 20 (kgm)	0-1736 (in/lbs)
Centrifugal Force Max.	1166 (kN)	131 (tons)
Frequency	2300 (rpm)	2300 (rpm)
Oil Flow	500 (l/min)	132 (gpm)
Power	292 (kW)	392 (hP)
Amplitude	13 (mm)	0.5 (in)
Pulling Force Max.	471 (kN)	53 (tons)

Weight and Dimensions

Unit	Metric	US
Dynamic Weight W/O Clamp	3000 (kg)	6614 (lbs)
Total Weight W/O Clamp	4280 (kg)	9436 (lbs)
Length / L1	2060 (mm)	81 (in)
Length / L2	1840 (mm)	72 (in)
Length / L3	2002 (mm)	79 (in)
Height / H1	2115 (mm)	83 (in)
Height / H2	3005 (mm)	118 (in)
Width / W1	388 (mm)	15 (in)
Width / W2	635 (mm)	25 (in)
Throat Width	343 (mm)	14.2 (in)

Recommended Clamp Type for Sheet Piles

SCN 165

Unit	Metric	US
Clamping Force	1700 (kN)	191 (tons)
Weight	866 (kg)	1909 (lbs)

Recommended Clamp Type for Casing

KCN 90 x 2

Unit	Metric	US
Diameter (min. - max.) / D	520 - 1020 (mm)	21 - 40 (in)
Clamping Force	890 x 2 (kN)	200 (tons)
Weight	538 x 2 (kg)	2372 (lbs)

Recommended Power Pack

PP 536

Unit	Metric	US
Oil Flow Max.	729 (lpm)	193 (gpm)
Pressure Max.	350 (bar)	5076 (psi)
Oil Capacity	750 (liter)	198 (gal)
Diesel Tank Capacity	800 (liter)	211 (gal)
Width	1820 (mm)	71 (in)
Length	4520 (mm)	178 (in)
Height	2175 (mm)	86 (in)

Stage	Model	Power	Weight (kg)	Weight (lbs)
Tier 2	Volvo TAD1345VE	394 / 536 (kW/hP)	7500	16530

