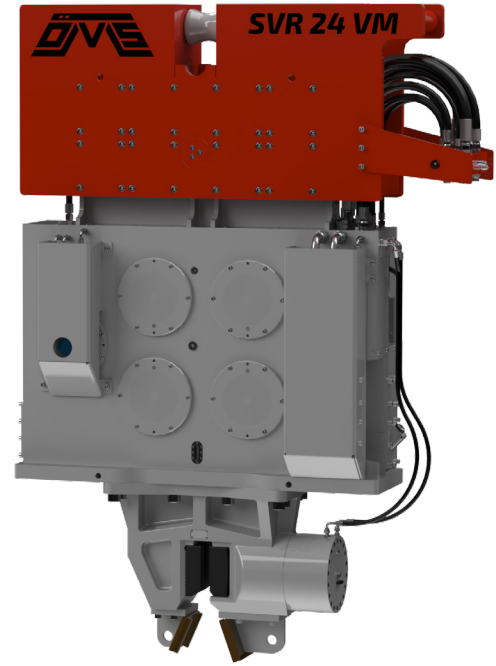




**OMS Pile Driving Equipment**

# SVR 24 VM

**CRANE HANGING  
VIBRATORY HAMMER**



## ADVANTAGES

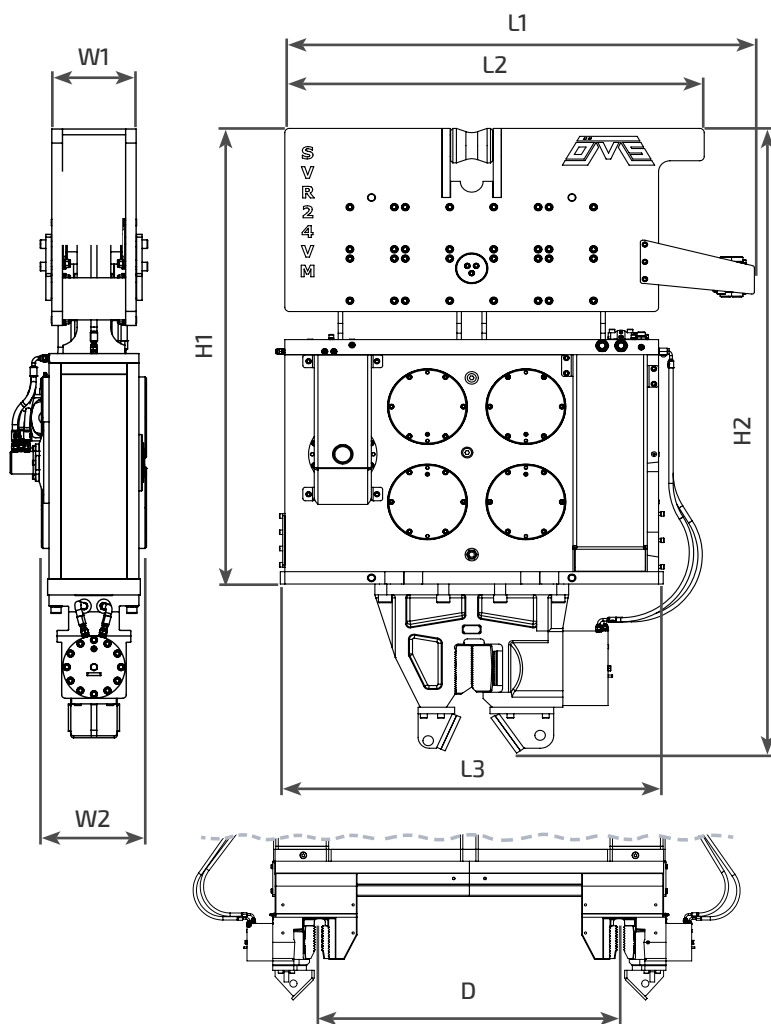
- Environmentally friendly technology,
- Controlled amplitude by means of adjustable eccentric moment,
- Resonance - free start - stop,
- Optimum force application to the ground via variable moment feature,
- Minimized sound transmission through high-capacity anti-vibration mounts,
- Powerful, reliable 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 24 VM / Technical Specifications



## Technical Specifications

| Unit                   | Metric       | US             |
|------------------------|--------------|----------------|
| Eccentric Moment       | 0 - 24 (kgm) | 0-2083(in.lbs) |
| Centrifugal Force Max. | 1370 (kN)    | 154 (tons)     |
| Frequency              | 2300 (rpm)   | 2300 (rpm)     |
| Oil Flow               | 675 (l/min)  | 179 (gpm)      |
| Power                  | 394 (kW)     | 529 (hP)       |
| Amplitude              | 15 (mm)      | 0.6 (in)       |
| Pulling Force Max.     | 471 (kN)     | 53 (tons)      |

## Weight and Dimensions

| Unit                     | Metric    | US         |
|--------------------------|-----------|------------|
| Dynamic Weight W/O Clamp | 3252 (kg) | 7170 (lbs) |
| Total Weight W/O Clamp   | 4523 (kg) | 9972 (lbs) |
| Length / L1              | 2060 (mm) | 81 (in)    |
| Length / L2              | 1840 (mm) | 73 (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               | 655 (mm)  | 26 (in)    |
| Throat Width             | 360 (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        |

