

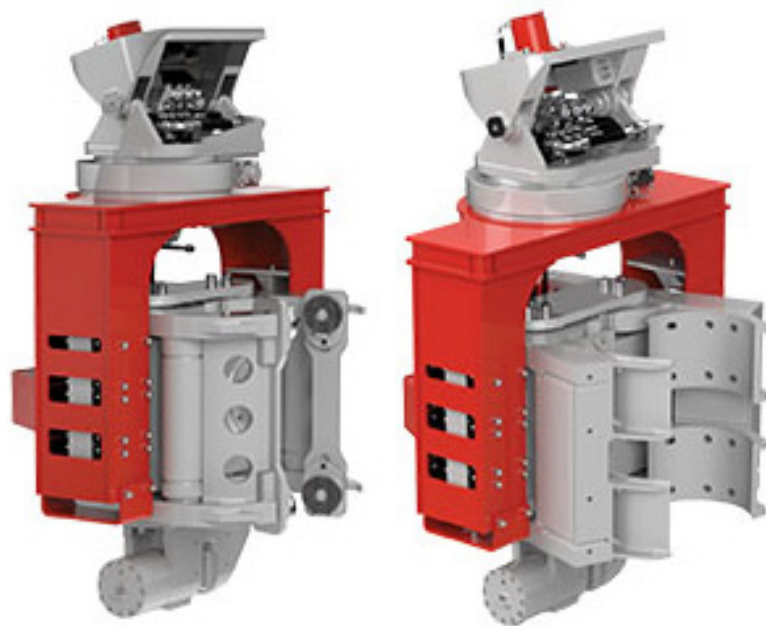


**OMS Pile Driving Equipment**

# OVR 50 SG

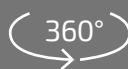
**EXCAVATOR MOUNTED  
VIBRATORY HAMMER**

***Effective solution for  
pile driving on low  
headroom and limited  
access sites!..***



## **TILTING**

+/- 30° tilting mechanism makes SG vibro hammer effective for pile driving.



## **ROTATING**

OMS Side Grip series vibratory hammer has 360° rotating mechanism.



## **SIDE CLAMP**

To drive and extract sheet piles, beams and tubular piles where the height matters.



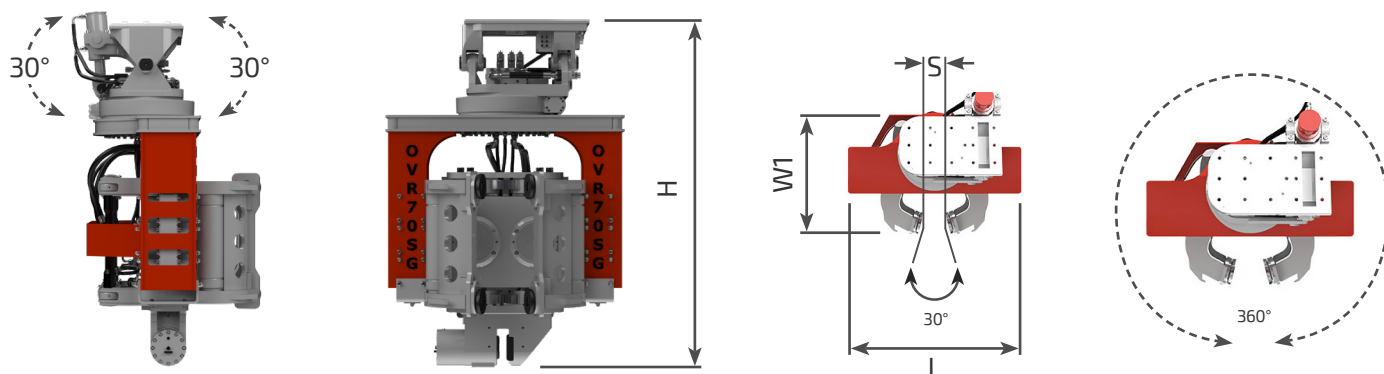
## **BOTTOM CLAMP**

Bottom clamp system designed for driving and extracting beams and sheet piles.

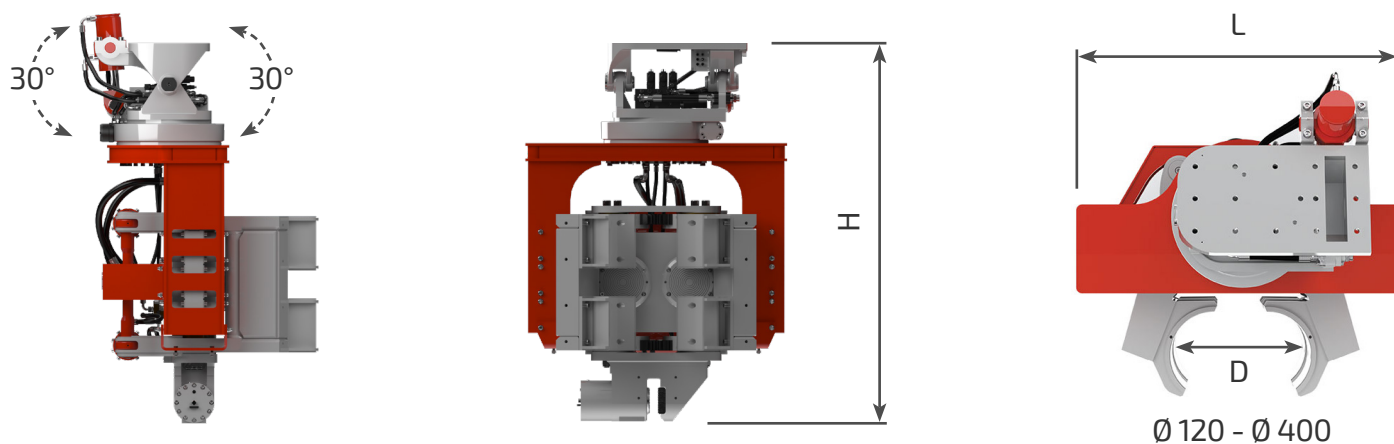
**OMS Side Grip Vibro Hammer** equipped with both gripping arms/clamp and the bottom clamp. One of the clamps is located in front of vibration case, while the other one is below the vibration case. Hydraulic clamps have gripping jaws. The hydraulic cylinder operates the gripping arms with force up to 500 kN. Bottom clamp is operated with up to 440 kN, depending on clamp relief pressure. The clamps can be opened and closed directly from excavator "Joy Stick" or from the electrical remote control monitor. Clamping and un-clamping occurs in a few seconds.

# OVR 50 SG / Technical Specifications

## SHEET PILE DRIVERS (SG - SP)



## TUBE PILE DRIVERS (SG - TP)



### Technical Specifications

| Unit                  | Metric    | US         |
|-----------------------|-----------|------------|
| Eccentric Moment      | 5.2 kgm   | 451 in.lbs |
| Centrifugal Force     | 354 kN    | 40 tons    |
| Frequency             | 2500 rpm  | 2500 rpm   |
| Oil Flow              | 150 l/min | 40 gpm     |
| Power                 | 80 kW     | 107 hP     |
| Amplitude             | 6 mm      | 0.2 in     |
| Pulling Force         | 117 kN    | 13 tons    |
| Side Gripping Force   | 439 kN    | 49 tons    |
| Bottom Clamping Force | 292 kN    | 33 tons    |

### 50 SG-SP 50 SG - TP

### Weight and Dimensions

| Unit           | Metric  | US       |
|----------------|---------|----------|
| Dynamic Weight | 1643 kg | 3622 lbs |
| Total Weight   | 2660 kg | 5864 lbs |
| Length / L     | 1420 mm | 56 in    |
| Height / H     | 2124 mm | 84 in    |
| Width / W1     | 1190 mm | 47 in    |
| Arm Stroke / S | 225 mm  | 9 in     |

### Selection Chart

|                   | 50 SG-SP    |
|-------------------|-------------|
| Excavator Class   | 24 - 26 ton |
| Sheet Piles (mm)  | 350 - 800   |
| H-Beams           | H200 - H500 |
| Timber Piles (mm) | Ø 120 - 400 |
| Tube Piles (mm)   | Ø 120 - 400 |

