



**omsvibro.com**

**OMS is a "world" brand in the production of vibratory pile driving equipment, with its product performing in all conditions around the "Globe"**



#### CRANE SUSPENDED VIBRO HAMMER



Recommended in projects requiring a high driving or extracting force. SVR type vibro hammers are powered by OMS Power Packs.

#### EXCAVATOR MOUNTED VIBRO HAMMER



Hydraulically driven by the excavators and easily operated by excavator operator. OVR series requires any modification on the excavators.

#### SIDE GRIP VIBRO HAMMER



SG series vibratory hammer has 360° rotating and +/- 30° tilting mechanism. This mechanism makes it effective for pile driving on most sites from open areas to confined spaces or limited headroom.

#### VARIABLE MOMENT VIBRO HAMMER



Especially designed for driving or extracting piles that are in a close distance to urban and historical built environments.

#### STONE COLUMN VIBROFLOT EQUIPMENT



Vibroflotation Equipment enables improving and quickening load bearing and settlement capacities and reducing risks of liquefaction of soft and loose soil.

#### WICK DRAIN INSTALLATION MACHINE



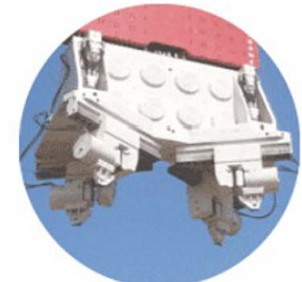
Wick Drain Installation Machine enables settlement in the soil by draining water in soft, sandy and water saturated soils and minimizes the risk of liquefaction.

#### HYDRAULIC POWER PACKS



OMS power units are available with closed or open loop hydraulic systems. Auxiliary systems are fed by one variable flow pump. The make of engine is optional.

#### HYDRAULIC BOTTOM CLAMP



Hydraulic clamps are manufactured from special alloy casting steel and have two gripping jaws fixed and moveable. Moveable jaw connected to hydraulic cylinder with bolts.



**COMPANY**

European Regional  
Directorate

- World Brand
- Competition in the World Market
- Research and Development
- Marketing & Sales
- Training
- After Sales Service
- 70% In-house Production
- High Quality Equipment
- Custom Design Products
- CNC Machining
- Coordinate Measuring Machine

**OMS**, established in 1987, has mastered the design and manufacture of vibratory pile driving / extracting machines, hydraulic power packs, hydraulic clamps and soil improvement equipment.

The **OMS** brand is produced with innovative technology and approach to quality. Today, it is among the companies leading this sector with the products that offers to the world market.

As a leading company in the vibratory pile driving equipment sector in terms of technology and quality, its priority is to ensure customer satisfaction.



Main Factory of  
Manufacturing

## ABOUT US



Design and Engineering



Manufacturing



Quality Control



Testing



Components



Fair and Exhibitions



Marketing



Sales



Spare Parts

### SINCE 1987

Ever since OMS was founded back in 1987, we kept growing with success and have already reached the level of leading names of the sector. The reason behind OMS keeps hitting the mark is the fact that we ensure an absolute customer satisfaction and with our swift adaptation to fast moving technology.

## Over 38 Years Experience!



Special manufacturing counters with the quality to handle and process.

Every product that are produced by OMS which reflects sense of quality to every stage of production.

## DESIGN AND ENGINEERING



Design and Engineering



Manufacturing



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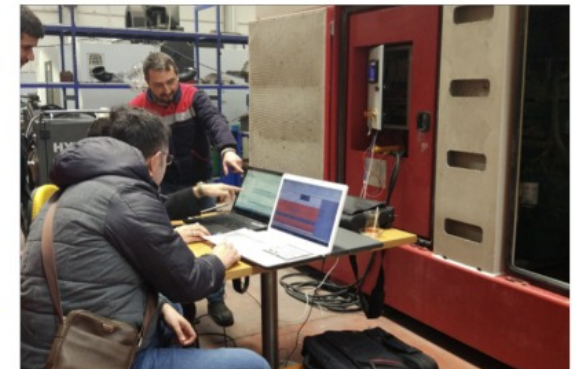
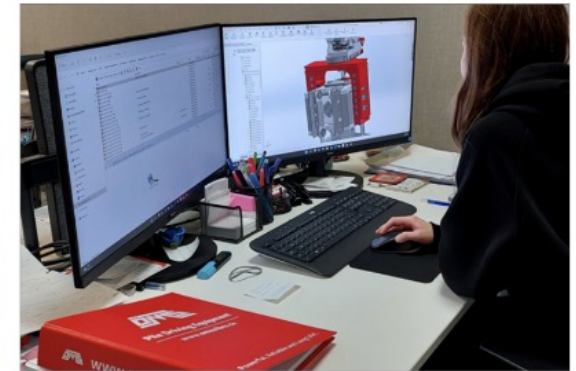
Spare Parts

### Lean Production

In accordance with the processes required by the lean production philosophy, our plans are made and actions are taken.

With simulation programs, the characteristics of the work are observed and the necessary analyzes are performed. The technical drawings required for production are prepared according to the technical drawing standards without omitting any details.

*Passion and Dynamism in Every Product!*



# MANUFACTURING



Design and Engineering



Manufacturing



Quality Control



Testing



Components



Fair and Exhibitions



Marketing



Sales



Spare Parts

## 1. Welding

Carried out in an extremely robust and high-quality manner with welding robots.

## 2. Machining and Assembly

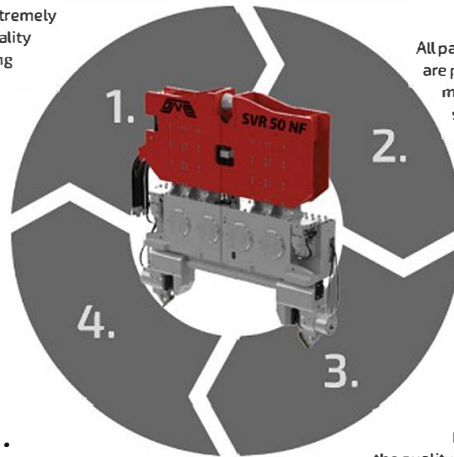
All parts shaped in our factory are produced under precision machining operations on a state-art CNC production line and assembled.

## 3. Quality Control

Parts that have passed the quality control are assembled and tests. So our customers can use the machines in the field without any problems.

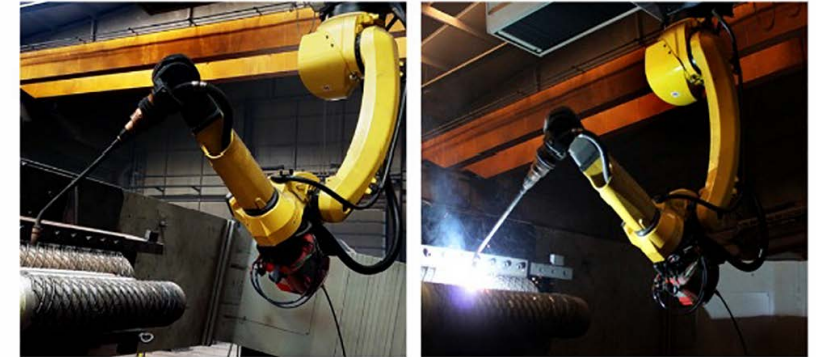
## 4. Testing

Carried out on the test platforms and field so that our customers can use them in the field without any problems.



## Welding

Welding operations are carried out in an extremely robust and high-quality manner with our qualified technical staff and welding robots.



## Machining and Assembly

All parts shaped in our factory are produced under precision machining operations on a state-art CNC production line. Every port shaped on our CNC machines goes through a quality control process with our CMM machines.



# QUALITY CONTROL



Design and Engineering



Manufacturing



Quality Control



Testing



Components



Fair and Exhibitions



Marketing



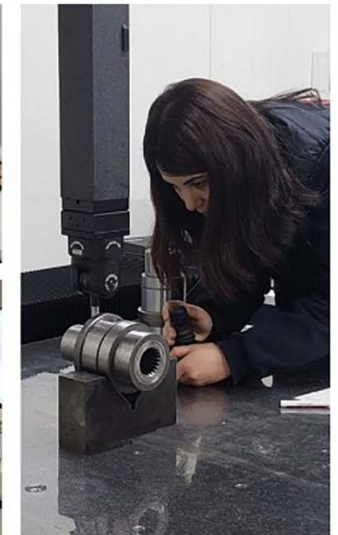
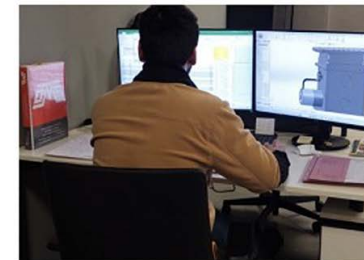
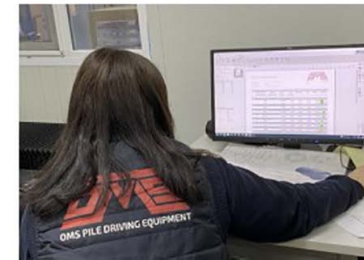
Sales



Spare Parts

## Quality Control Process

- Tension and hardness testing,
- Penetrant crack testing,
- Magnetic particle crack testing,
- Ultrasonic testing,
- Temperature,
- Pressure,
- Thickness measurements,
- Sealing and paint



## TESTING

*All machine tests are thoroughly completed prior to departure from our factory.*



Design and Engineering



Manufacturing



Quality Control



Testing



Components



Fair and Exhibitions



Marketing



Sales



Spare Parts



## COMPONENTS



Design and Engineering



Manufacturing



Quality Control



Testing



Components



Fair and Exhibitions



Marketing



Sales



Spare Parts





## SPARE PARTS



Design and Engineering



Manufacturing



Quality Control



Testing



Components



Fair and Exhibitions



Marketing



Sales



Spare Parts

- *Instant access to machine manuals, troubleshooting guides, and video tutorials.*
- *Live chat option for immediate support offering expert advice, troubleshooting, and assistance.*
- *Providing customized spare parts, attachments, and accessories tailored to specific project needs.*



## After Sales Service for Stronger Customer Relationships



Our products are stored in our warehouses in accordance with the rules and in clean environments. In our warehouse, the critical stock value is kept in our ERP system and our stocks are always up to date.



We do not store any parts that have not been passed through various quality control processes in our warehouse.

Parts that have passed the quality control stage are stored in stock, ready for assembly.



# VIBRO HAMMERS

*OMS vibratory pile driving machines save time and cost by providing the latest technology and the best performance. With 24/7 access to technical and spare part support, all piling applications can be conducted without any problem occurring.*

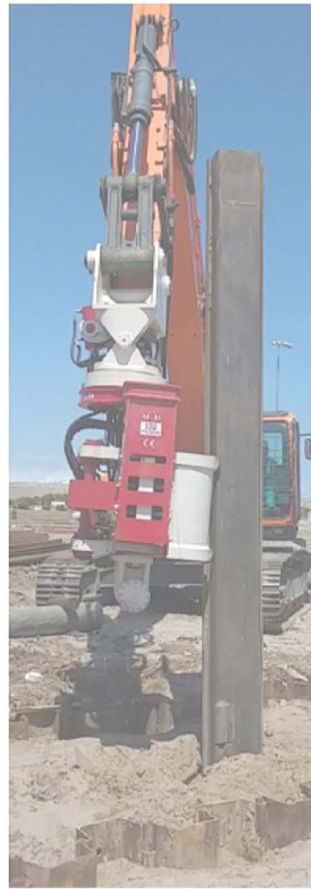
## SVR SERIES



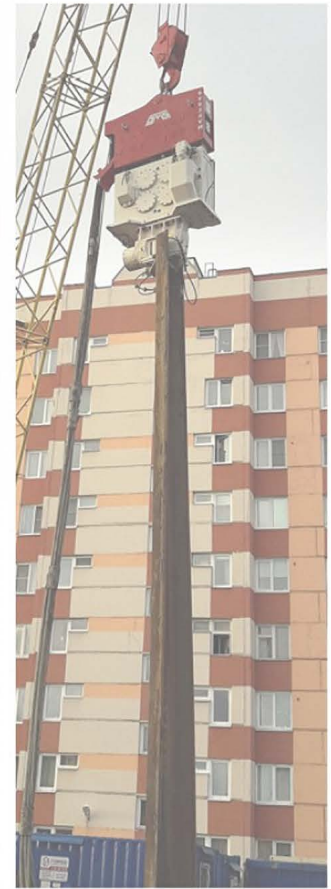
## OVR SERIES



## SG SERIES



## VM SERIES

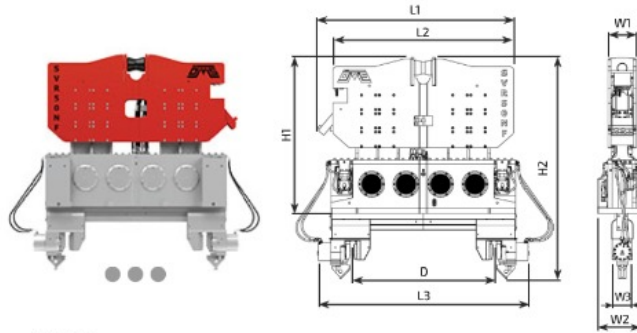


## SVR SERIES - Crane Suspended Vibro Hammers

SVR series is recommended in projects requiring a high driving or extracting force. SVR type vibro hammers are powered by OMS Power Packs, which have equipped with remote control and touch screen control panels. These controls are used for the adjustment of the vibrator to suit different ground conditions.

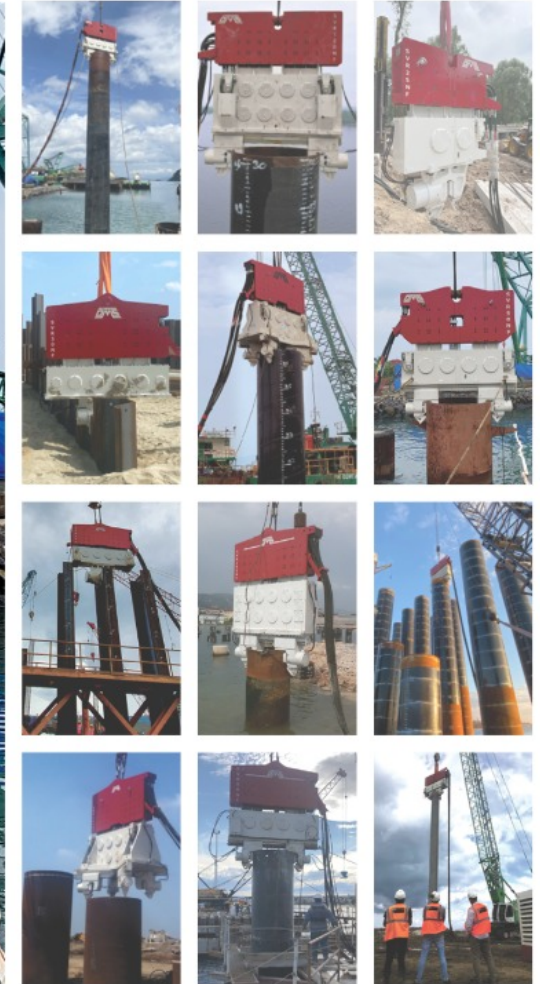
## SVR Series

Crane Suspended  
Vibro Hammers



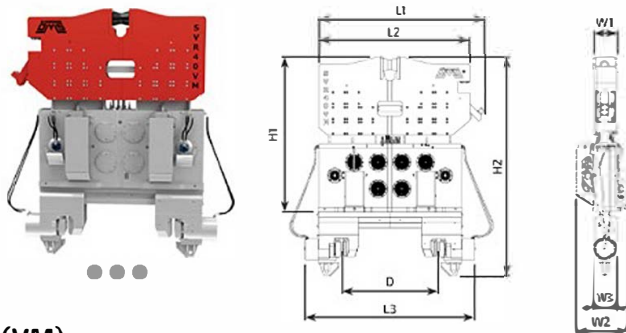
### Normal Frequency (NF)

| Technical Specifications      | 25 NF      | 30 NF      | 50 NF      | 80 NF      | 82 NF      | 120 NF     | 200 NF      |
|-------------------------------|------------|------------|------------|------------|------------|------------|-------------|
| Eccentric Moment (kgm)        | 25         | 32.6       | 50.2       | 80.3       | 82.3       | 120        | 203.2       |
| Centrifugal Force (kN)        | 795        | 1036       | 1409       | 2253       | 2310       | 2846       | 4380        |
| Frequency (rpm)               | 1700       | 1700       | 1600       | 1600       | 1600       | 1480       | 1400        |
| Oil Flow (lpm)                | 366        | 421        | 605        | 959        | 925        | 1122       | 1792        |
| Power (kW)                    | 195        | 243        | 352        | 559        | 540        | 655        | 1045        |
| Amplitude (mm)                | 22         | 24         | 24         | 27.5       | 27.5       | 26         | 19          |
| Pulling Force (kN) Max.       | 470        | 590        | 706        | 941        | 941        | 1059       | 1880        |
| Weight and Dimensions         |            |            |            |            |            |            |             |
| Dyn. Weight W/O Clamp (kg)    | 2270       | 2750       | 4130       | 5850       | 6000       | 9145       | 21700       |
| Total Weight W/O Clamp (kg)   | 3100       | 4485       | 6150       | 9100       | 8950       | 12172      | 26100       |
| Length / L1 (mm)              | 1998       | 2599       | 2650       | 3315       | 2740       | 3315       | 3660        |
| Length / L2 (mm)              | 1796       | 2420       | 2460       | 3070       | 2500       | 3070       | 3350        |
| Length / L3 (mm)              | 1942       | 2812       | 2848       | 3410       | 2950       | 3360       | -           |
| Height / H1 (mm)              | 1705       | 2034       | 2117       | 2200       | 2675       | 2682       | 3620        |
| Height / H2 (mm)              | 2376       | 2704       | 3002       | 3290       | 3765       | 3766       | -           |
| Width / W1 (mm)               | 371        | 364        | 384        | 451        | 408        | 455        | 493         |
| Width / W2 (mm)               | 550        | 575        | 590        | 761        | 700        | 728        | 2070        |
| Throat Width (mm)             | 366        | 350        | 360        | 461        | 360        | 480        | 800         |
| Clamps for Sheet Piles        | SCN 120    | SCN 120    | SCN 165    | SCN 350    | SCN 350    | SCN 350    | -           |
| Clamping Force (kN)           | 1216       | 1216       | 1700       | 3560       | 3560       | 3560       | -           |
| Weight (kg)                   | 851        | 851        | 866        | 2560       | 2560       | 2560       | -           |
| Clamps for Casing             | KCN 60x2   | KCN 60x2   | KCN 90x2   | KCN 185x2  | KCN 185x2  | KCN 185x2  | KCN 185x4   |
| Diameter (min.-max.) / D (mm) | 360 - 1030 | 360 - 1900 | 520 - 1900 | 600 - 2100 | 600 - 1650 | 600 - 2050 | 1000 - 3000 |
| Clamping Force (kN)           | 643 x 2    | 643 x 2    | 890 x 2    | 1858 x 2   | 1858 x 2   | 1858 x 2   | 1858 x 4    |
| Weight (kg)                   | 307 x 2    | 307 x 2    | 538 x 2    | 1164 x 2   | 1164 x 2   | 1164 x 2   | 1164 x 4    |
| Recommended Power Pack        | PP 320     | PP 422     | PP 536     | PP 768     | PP 800     | PP 1072    | PP 1536     |
| Output (kW)                   | 235        | 310        | 394        | 565        | 596        | 394 x 2    | 565 x 2     |



## VM Series

Crane Suspended  
Vibro Hammers



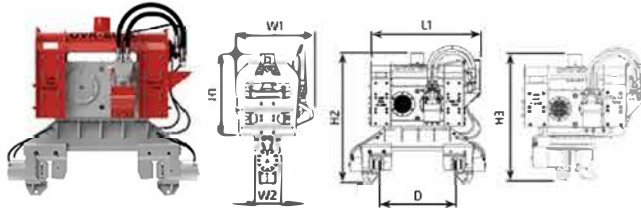
### Variable Moment (VM)

| Technical Specifications      | 8 VM      | 12 VM     | 16 VM      | 20 VM      | 24 VM      | 30 VM      | 40 VM      | 50 VM      |
|-------------------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| Eccentric Moment (kgm)        | 0 - 8     | 0 - 12    | 0 - 16     | 0 - 20     | 0 - 24     | 0 - 30     | 0 - 40     | 0 - 50     |
| Centrifugal Force (kN) Max.   | 464       | 698       | 934        | 1166       | 1370       | 1746       | 2348       | 2923       |
| Frequency (rpm)               | 2300      | 2300      | 2300       | 2300       | 2300       | 2300       | 2300       | 2300       |
| Oil Flow (lpm)                | 176       | 362       | 492        | 500        | 675        | 767        | 934        | 1380       |
| Power (kW)                    | 103       | 211       | 287        | 292        | 394        | 448        | 548        | 805        |
| Amplitude (mm)                | 12        | 13        | 12         | 13         | 15         | 13         | 16         | 16         |
| Pulling Force (kN) Max.       | 147       | 235       | 235        | 471        | 471        | 706        | 942        | 1060       |
| <b>Weight and Dimensions</b>  |           |           |            |            |            |            |            |            |
| Dyn. Weight W/O Clamp (kg)    | 1337      | 1850      | 2733       | 3000       | 3252       | 3785       | 5094       | 6400       |
| Total Weight W/O Clamp (kg)   | 1857      | 2570      | 3650       | 4280       | 4523       | 5700       | 7603       | 8900       |
| Length / L1 (mm)              | 1490      | 1695      | 1925       | 2060       | 2060       | 2210       | 2797       | 3135       |
| Length / L2 (mm)              | 1190      | 1395      | 1750       | 1840       | 1840       | 1990       | 2550       | 2790       |
| Length / L3 (mm)              | 1521      | 1822      | 1945       | 2002       | 2002       | 2248       | 2849       | 3085       |
| Height / H1 (mm)              | 1566      | 1660      | 2002       | 2115       | 2115       | 2460       | 2616       | 2450       |
| Height / H2 (mm)              | 2312      | 2407      | 2675       | 3005       | 3005       | 3400       | 3700       | 3539       |
| Width / W1 (mm)               | 300       | 301       | 321        | 388        | 388        | 388        | 384        | 388        |
| Width / W2 (mm)               | 471       | 511       | 650        | 635        | 655        | 708        | 841        | 862        |
| Throat Width (mm)             | 320       | 320       | 314        | 343        | 360        | 390        | 360        | 360        |
| <b>Clamps for Sheet Piles</b> |           |           |            |            |            |            |            |            |
|                               | SCN 60    | SCN 100   | SCN 120    | SCN 165    | SCN 165    | SCN 200    | SCN 350    | SCN 350    |
| Clamping Force (kN)           | 643       | 1005      | 1216       | 1700       | 1700       | 2262       | 3560       | 3560       |
| Weight (kg)                   | 327       | 620       | 851        | 866        | 866        | 1195       | 2560       | 2560       |
| <b>Clamps for Casing</b>      |           |           |            |            |            |            |            |            |
|                               | KCN 40x2  | KCN 40x2  | KCN 60x2   | KCN 90x2   | KCN 90x2   | KCN 120x2  | KCN 185x2  | KCN 185x2  |
| Diameter (min.-max.) / D (mm) | 350 - 700 | 350 - 970 | 360 - 1020 | 520 - 1020 | 520 - 1020 | 620 - 1020 | 600 - 1600 | 600 - 1800 |
| Clamping Force (kN)           | 425 x 2   | 425 x 2   | 643 x 2    | 890 x 2    | 890 x 2    | 1216 x 2   | 1858 x 2   | 1858 x 2   |
| Weight (kg)                   | 185 x 2   | 185 x 2   | 307 x 2    | 538 x 2    | 538 x 2    | 948 x 2    | 1164 x 2   | 1164 x 2   |
| <b>Recommended Power Pack</b> |           |           |            |            |            |            |            |            |
|                               | PP 218    | PP 320    | PP 422     | PP 536     | PP 536     | PP 768     | PP 1072    | PP 1536    |
| Output (kW)                   | 160       | 235       | 310        | 394        | 394        | 565        | 394 x 2    | 565 x 2    |



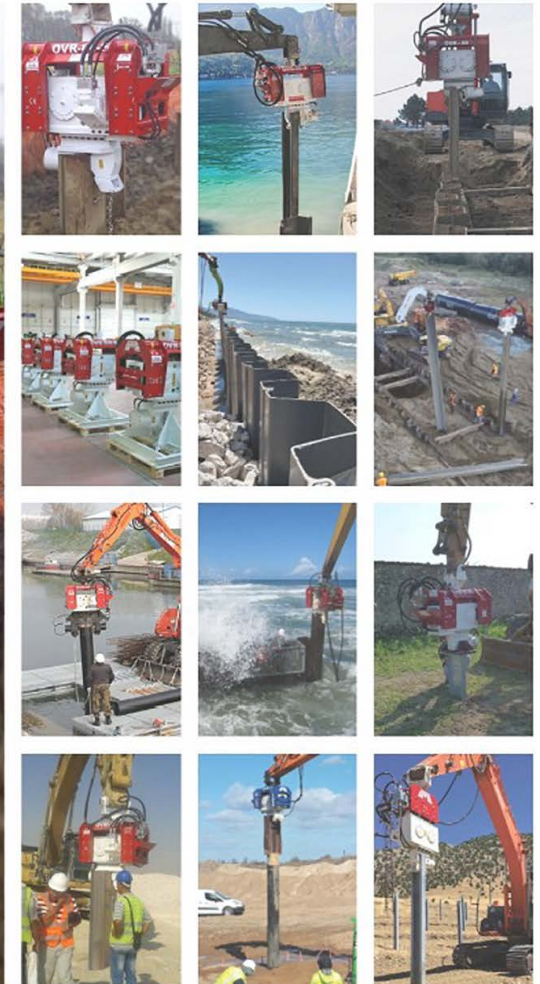
## OVR Series

Excavator Mounted  
Vibro Hammers



### Standard (S)

| Technical Specifications                          | 20 S   | 40 S    | 50 S    | 60 S      | 70 S      | 80 S      | 120 S      |
|---------------------------------------------------|--------|---------|---------|-----------|-----------|-----------|------------|
| Eccentric Moment (kgm)                            | 2.1    | 4       | 5.2     | 6.3       | 7.3       | 9         | 12.3       |
| Centrifugal Force (kN)                            | 140    | 276     | 354     | 434       | 502       | 615       | 838        |
| Centrifugal Force (kN) Max.                       | 170    | 334     | 428     | 525       | 607       | 744       | 1015       |
| Frequency (rpm)                                   | 2500   | 2500    | 2500    | 2500      | 2500      | 2500      | 2500       |
| Frequency (rpm) Max.                              | 2750   | 2750    | 2750    | 2750      | 2750      | 2750      | 2750       |
| Oil Flow (lpm)                                    | 62     | 100     | 150     | 201       | 233       | 275       | 313        |
| Oil Flow (lpm) Max.                               | 69     | 110     | 165     | 221       | 256       | 303       | 344        |
| Power (kW)                                        | 33     | 53      | 80      | 107       | 124       | 147       | 167        |
| Power (kW) Max.                                   | 37     | 59      | 88      | 118       | 137       | 162       | 183        |
| Amplitude (mm)                                    | 16     | 15      | 14      | 16        | 16        | 14        | 19         |
| Pulling Force (kN) Max.                           | 59     | 88      | 147     | 147       | 147       | 235       | 235        |
| <b>Weight and Dimensions</b>                      |        |         |         |           |           |           |            |
| Dyn. Weight W/O Clamp (kg)                        | 270    | 534     | 749     | 771       | 929       | 1255      | 1292       |
| Total Weight W/O Clamp (kg)                       | 384    | 786     | 1080    | 1096      | 1253      | 1740      | 1798       |
| Length / L1 (mm)                                  | 755    | 1200    | 1282    | 1282      | 1343      | 1473      | 1506       |
| Height / H1 (mm)                                  | -      | -       | -       | 1581      | 1639      | 1716      | 1850       |
| Height / H2 (mm)                                  | 891    | 762     | 835     | 835       | 893       | 970       | 1030       |
| Height / H3 (mm)                                  | 1226   | 1203    | 1344    | 1344      | 1402/1476 | 1553      | 1647       |
| Width / W1 (mm)                                   | 456    | 735     | 778     | 778       | 804       | 890       | 842        |
| <b>Clamps for Sheet Piles</b>                     |        |         |         |           |           |           |            |
|                                                   | SCN 20 | SCN 30  | SCN 60  | SCN 60    | SCN 60/75 | SCN 75    | SCN 100    |
| Width / W2 (mm)                                   | 220    | 230     | 320     | 320       | 320 / 320 | 320       | 320        |
| Clamping Force (kN)                               | 203    | 304     | 643     | 643       | 643 / 814 | 814       | 1005       |
| Weight (kg)                                       | 88     | 192     | 327     | 327       | 327 / 502 | 502       | 620        |
| <b>Clamps for Casing</b>                          |        |         |         |           |           |           |            |
|                                                   | -      | -       | -       | KCN 40x2  | KCN 40x2  | KCN 40x2  | KCN 60 x 2 |
| Diameter (min.-max.) / D (mm)                     | -      | -       | -       | 350 - 670 | 350 - 670 | 350 - 970 | 360 - 940  |
| Clamping Force (kN)                               | -      | -       | -       | 425 x 2   | 425 x 2   | 425 x 2   | 643 x 2    |
| Weight (kg)                                       | -      | -       | -       | 105 x 2   | 185 x 2   | 185 x 2   | 307 x 2    |
| <b>Recommended Excavator Working Weight (ton)</b> |        |         |         |           |           |           |            |
|                                                   | 6 - 12 | 18 - 22 | 24 - 26 | 25 - 30   | 30 - 36   | 36 - 40   | 40 - 50    |



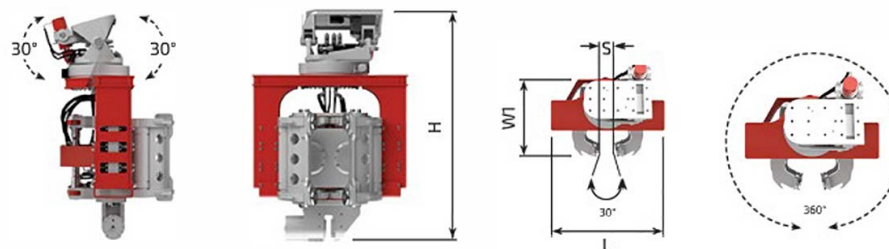
## SG Series

Excavator Mounted  
Vibro Hammers

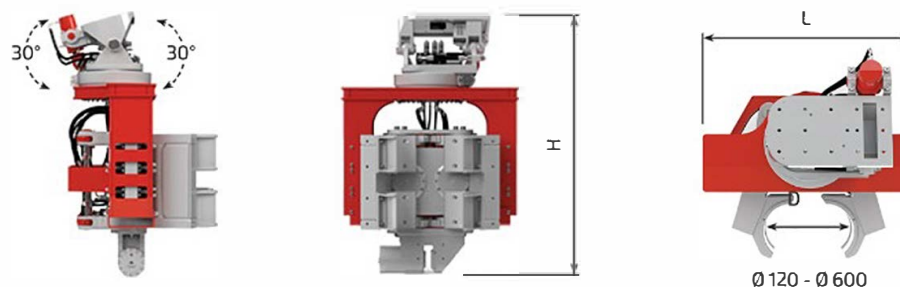


| Unit                               | 40 SG-SP<br>40 SG - TP |      | 50 SG-SP<br>50 SG - TP |      | 60 SG-SP<br>60 SG - TP |      | 70 SG-SP<br>70 SG - TP |      |
|------------------------------------|------------------------|------|------------------------|------|------------------------|------|------------------------|------|
|                                    | Metric                 | US   | Metric                 | US   | Metric                 | US   | Metric                 | US   |
| Eccentric Moment (kgm) (in.lbs)    | 4                      | 347  | 5.2                    | 451  | 6.3                    | 547  | 7.3                    | 634  |
| Centrifugal Force (kN) (tons)      | 276                    | 31   | 354                    | 40   | 434                    | 49   | 502                    | 56   |
| Centrifugal Force Max. (kN) (tons) | 334                    | 37   | 428                    | 48   | 525                    | 59   | 607                    | 68   |
| Frequency (rpm)                    | 2500                   | 2500 | 2500                   | 2500 | 2500                   | 2500 | 2500                   | 2500 |
| Frequency Max. (rpm)               | 2750                   | 2750 | 2750                   | 2750 | 2750                   | 2750 | 2750                   | 2750 |
| Oil Flow (L/min) (gpm)             | 100                    | 26   | 150                    | 40   | 201                    | 53   | 233                    | 62   |
| Oil Flow Max. (L/min) (gpm)        | 110                    | 29   | 165                    | 44   | 221                    | 58   | 256                    | 68   |
| Power (kW) (hp)                    | 53                     | 71   | 80                     | 107  | 107                    | 143  | 124                    | 166  |
| Power Max. (kW) (hp)               | 59                     | 79   | 88                     | 118  | 118                    | 158  | 137                    | 184  |
| Amplitude (mm) (in)                | 5                      | 0.2  | 6                      | 0.2  | 6                      | 0.2  | 7                      | 0.3  |
| Pulling Force (kN) (tons)          | 117                    | 13   | 117                    | 13   | 177                    | 20   | 177                    | 20   |
| Side Gripping Force (kN) (tons)    | 439                    | 49   | 439                    | 49   | 532                    | 60   | 532                    | 60   |
| Bottom Clamping Force (kN) (tons)  | 292                    | 33   | 292                    | 33   | 442                    | 50   | 442                    | 50   |

## SHEET PILE DRIVERS (SG - SP)

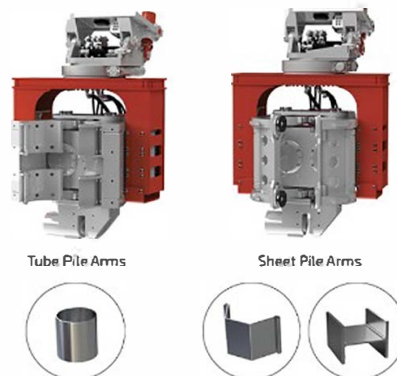


## TUBE PILE DRIVERS (SG - TP)

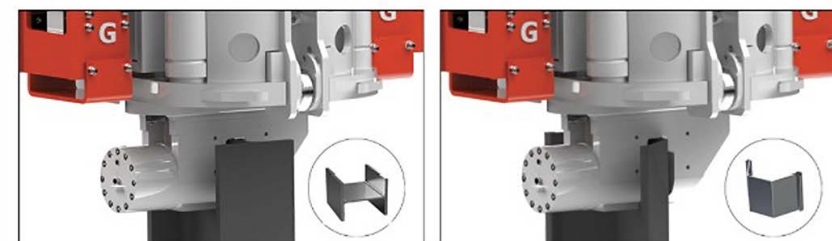


| Weight and Dimensions     |  | 40 SG-SP |      | 50 SG-SP |      | 60 SG-SP |      | 70 SG-SP |      |
|---------------------------|--|----------|------|----------|------|----------|------|----------|------|
| Unit                      |  | Metric   | US   | Metric   | US   | Metric   | US   | Metric   | US   |
| Dynamic Weight (kg) (lbs) |  | 1573     | 3468 | 1643     | 3622 | 2055     | 4530 | 2085     | 4597 |
| Total Weight (kg) (lbs)   |  | 2530     | 5578 | 2660     | 5864 | 3110     | 6856 | 3140     | 6923 |
| Length / L (mm) (in)      |  | 1420     | 56   | 1420     | 56   | 1450     | 57   | 1450     | 57   |
| Height / H (mm) (in)      |  | 2124     | 84   | 2124     | 84   | 2257     | 89   | 2257     | 89   |
| Width / W1 (mm) (in)      |  | 1190     | 47   | 1190     | 47   | 1215     | 48   | 1215     | 48   |
| Arm Stroke / S (mm) (in)  |  | 225      | 9    | 225      | 9    | 225      | 9    | 225      | 9    |

Main feature of side grip vibro hammer is **"side grip pile arms"**. Side Grip arms are designed for handling, pitching, driving and extracting of various types of piles. Depending on your needs, arms can be changed. With the help of these arms many types of sheet piles, H beams, I beams and tubular piles can be used.

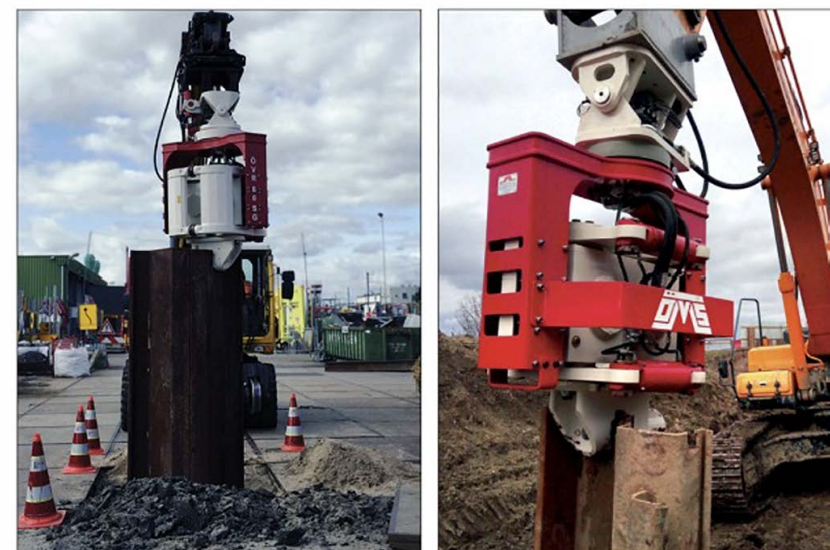


The bottom clamp system is designed for driving and extracting beams and sheet piles. With the help of bottom clamp system OVR SG machines can be worked as excavator mounted standard vibro hammer system.

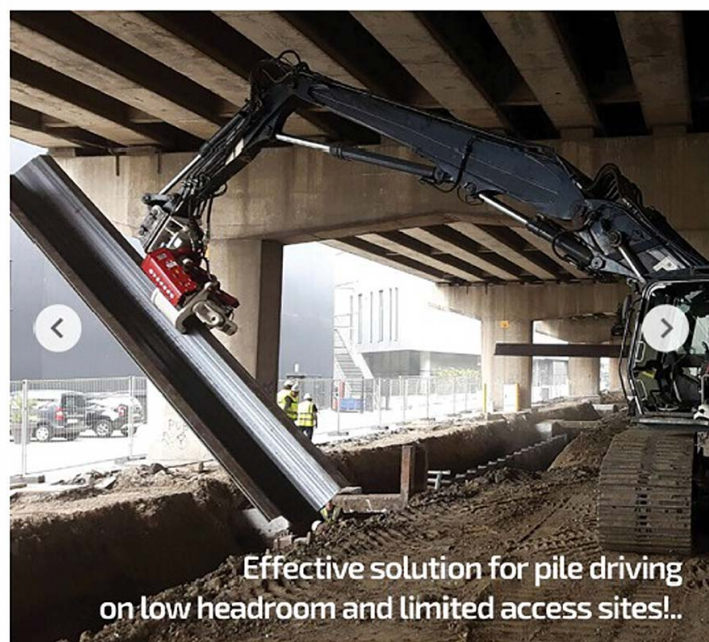


Handling/pitching/driving/extracting (H - Beams)

Handling/pitching/driving/extracting (Sheet Piles)



| Selection Chart   | OVR 40 SG | OVR 50 SG | OVR 60 SG | OVR 70 SG |
|-------------------|-----------|-----------|-----------|-----------|
| Excavator Class   | 18-22 ton | 24-26     | 25-30     | 30-36     |
| Sheet Piles (mm)  | 350-800   |           | 400-1000  |           |
| H-Beams           | H200-H500 |           | H250-H500 |           |
| Timber Piles (mm) | Ø120-400  |           | Ø160-600  |           |
| Tube Piles (mm)   | Ø120-400  |           | Ø160-600  |           |



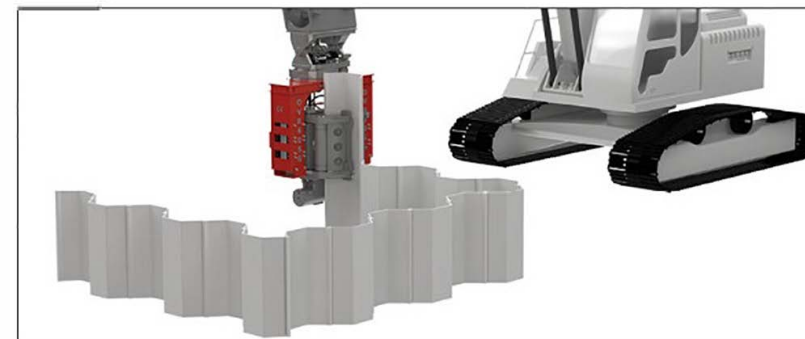
Handling



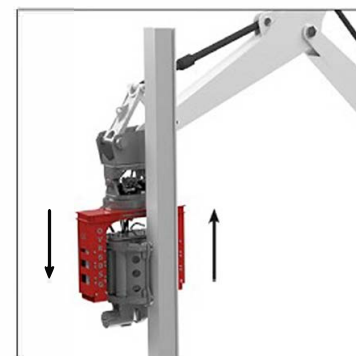
Carrying Sheet Piles



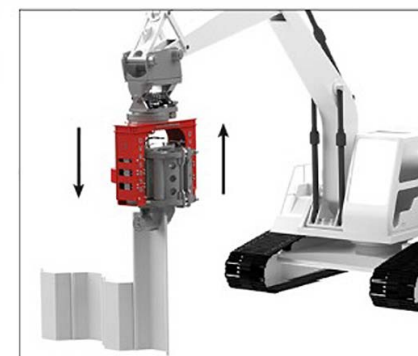
Pitching



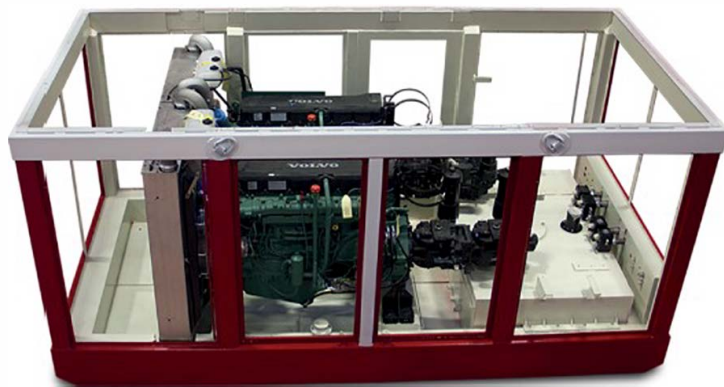
Driving / Extracting (Side Clamp)



Driving / Extracting (Bottom Clamp)



# HYDRAULIC POWER PACKS



## Why Choose OMS Power Pack?

- 01. Power & Efficiency:**  
High-performance diesel engines for optimal output.
- 02. Compact & Modular Design:**  
Space-saving solutions tailored to your needs.
- 03. Reliable & Durable:**  
Built with high-quality materials for longevity.
- 04. Low Maintenance:**  
Designed for easy servicing and minimal downtime.
- 05. Customizable Solutions:**  
Available in different capacities, pressure ratings, and configurations.

## Extreme Performance for Extreme Environments!

Our Hydraulic Power Packs are engineered to operate reliably in the world's toughest conditions whether it's the scorching heat of the desert or the freezing cold of the Arctic. Built with rugged components, and high-efficiency cooling & heating systems, they ensure uninterrupted performance wherever you need hydraulic power.



## Control Options

OMS Power Units can be controlled by the touch screen on the powerpack with wireless or wired remote control pendant. Also it can be operated with mobile devices such as phone or tablet.



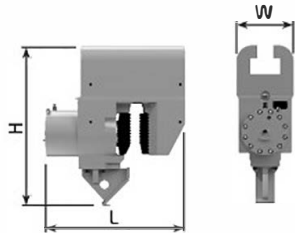
## Remote Control Module

**Unleashing Power, Delivering Precision!**

The **Remote Control Module** enables the OMS to connect to and update the power pack software from anywhere via the internet. Additionally, the OMS can remotely monitor the power pack's status for service and maintenance purposes.

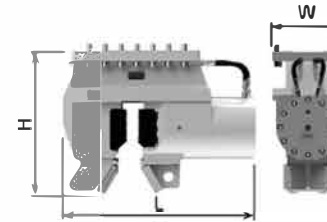


## KCN Series



| Technical Spec.        | KCN 40  | KCN 60  | KCN 90  | KCN 120  | KCN 185  |
|------------------------|---------|---------|---------|----------|----------|
| Clamping Force (kN)    | 425 x 2 | 643 x 2 | 890 x 2 | 1216 x 2 | 1858 x 2 |
| Weight (kg)            | 185 x 2 | 307 x 2 | 538 x 2 | 948 x 2  | 1164 x 2 |
| Working Pressure (bar) | 320     | 320     | 350     | 320      | 350      |
| L (mm)                 | 566     | 599     | 725     | 894      | 913      |
| W (mm)                 | 200     | 250     | 292     | 330      | 370      |
| H (mm)                 | 507     | 601     | 809     | 862      | 996      |

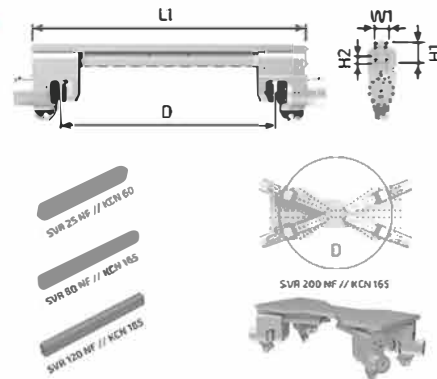
## SCN Series



| Technical Spec.        | SCN 20 | SCN 30 | SCN 60 | SCN 75 | SCN 100 | SCN 120 | SCN 165 | SCN 200 | SCN 250 | SCN 350 |
|------------------------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Clamping Force (kN)    | 203    | 304    | 643    | 814    | 1005    | 1216    | 1700    | 2262    | 2262    | 3560    |
| Weight (kg)            | 88     | 192    | 327    | 502    | 620     | 851     | 866     | 1195    | 1180    | 2560    |
| Working Pressure (bar) | 320    | 320    | 320    | 320    | 320     | 320     | 320     | 320     | 320     | 350     |
| L (mm)                 | 407    | 585    | 677    | 799    | 879     | 1039    | 1043    | 1143    | 1143    | 1343    |
| W (mm)                 | 220    | 230    | 320    | 320    | 320     | 460     | 460     | 460     | 400     | 460     |
| H (mm)                 | 339    | 448    | 508    | 583    | 631     | 783     | 783     | 904     | 904     | 1134    |

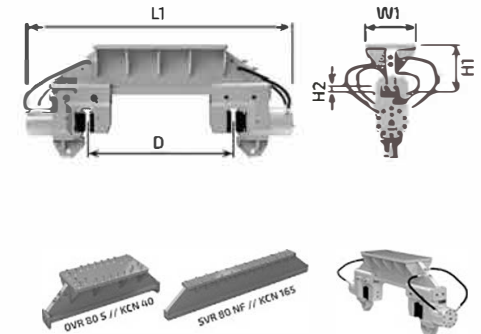
## "H" Type Caisson Beam Series

| Vibro Hammer | Clamp Type | Diameter D (mm) | L1 (mm)  | Weight (kg) |
|--------------|------------|-----------------|----------|-------------|
| SVR 25 NF    | KCN 60     | 360-1030        | 949 x 1  | 224         |
| SVR 30 NF    | KCN 60     | 360-1900        | 1245 x 2 | 150 x 2     |
| SVR 50 NF    | KCN 90     | 520-1900        | 1270 x 2 | 251 x 2     |
| SVR 80 NF    | KCN 185    | 600-2100        | 1485 x 2 | 425 x 2     |
| SVR 82 NF    | KCN 185    | 600-1650        | 1275 x 2 | 410 x 2     |
| SVR 120 NF   | KCN 185    | 600-2050        | 1522 x 2 | 445 x 2     |
| SVR 8 VM     | KCN 40     | 350-700         | 1145 x 1 | 210         |
| SVR 12 VM    | KCN 40     | 350-970         | 1450 x 1 | 270         |
| SVR 16 VM    | KCN 60     | 360-1020        | 800 x 2  | 115 x 2     |
| SVR 20 VM    | KCN 90     | 520-1020        | 900 x 2  | 150 x 2     |
| SVR 24 VM    | KCN 90     | 520-1020        | 900 x 2  | 150 x 2     |
| SVR 30 VM    | KCN 120    | 620-1020        | 1150 x 2 | 288 x 2     |
| SVR 40 VM    | KCN 185    | 600-1600        | 1422 x 2 | 354 x 2     |
| SVR 50 VM    | KCN 185    | 600-1800        | 1150 x 2 | 382 x 2     |



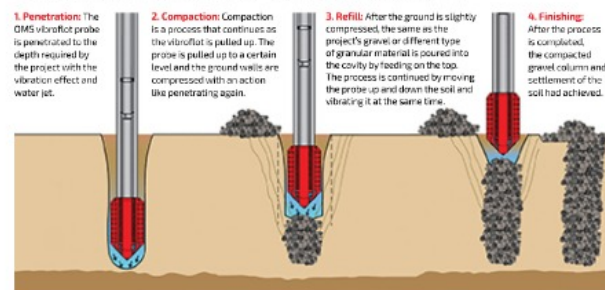
## "T" Type Caisson Beam Series

| Vibro Hammer | Clamp Type | Diameter D (mm) | L1 (mm) | W1 (mm) | H1 (mm) | H2 (mm) | Weight (kg) |
|--------------|------------|-----------------|---------|---------|---------|---------|-------------|
| SVR 50 NF    | KCN 90     | 520-3000        | 4265    | 280     | 597     | 89      | 2019        |
| SVR 80 NF    | KCN 185    | 600-3000        | 4309    | 281     | 597     | 88      | 2018        |
| SVR 120 NF   | KCN 185    | 600-3000        | 3628    | 188     | 590     | 88      | 2010        |
| OVR 60 S     | KCN 40     | 350-670         | 1521    | 355     | 322     | 44      | 227         |
| OVR 70 S     | KCN 40     | 350-670         | 1521    | 355     | 322     | 44      | 273         |
| OVR 80 S     | KCN 40     | 350-970         | 1826    | 355     | 322     | 44      | 273         |
| OVR 120 S    | KCN 60     | 360-940         | 1842    | 355     | 344     | 66      | 312         |
| OVR 80 VM    | KCN 40     | 350-970         | 1145    | 120     | 324     | 44      | 210         |
| OVR 120 VM   | KCN 40     | 350-970         | 1450    | 120     | 324     | 44      | 270         |

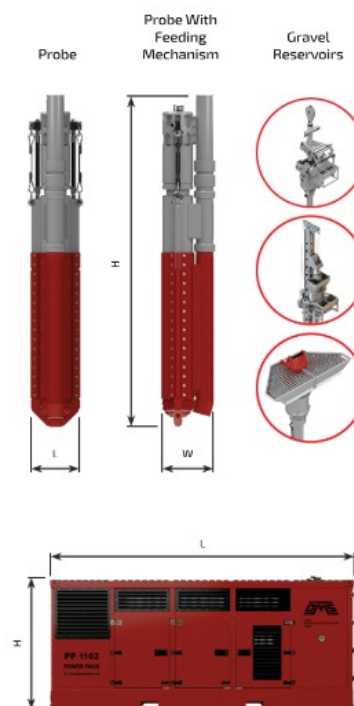
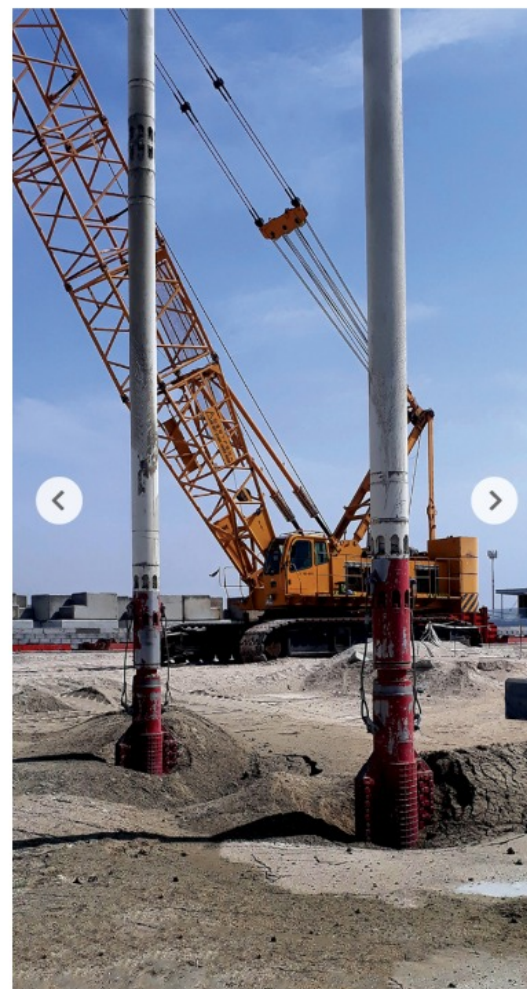
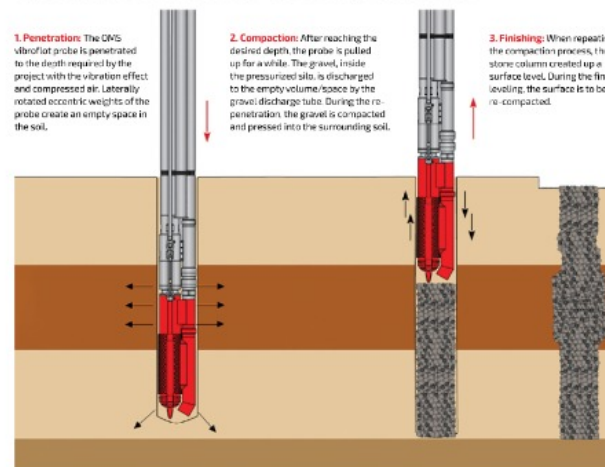


## OVF Series (Stone Column Equipment)

### Operation Procedure of Vibro Compaction:



### Operation Procedure of Vibro Replacement:



| Vibroflot                       |         | 300-2         |         | 300-4         |  |
|---------------------------------|---------|---------------|---------|---------------|--|
| Unit                            | Metric  | US            | Metric  | US            |  |
| Eccentric Moment (kgm / in.lbs) | 2       | 174           | 4       | 347           |  |
| Frequency (rpm / Hz)            | 3000/50 | 3000          | 3000/50 | 3000          |  |
| Centrifugal Force (kN / tons)   | 200     | 22.5          | 396     | 44.5          |  |
| Oil Flow (lpm / gpm)            | 180     | 48            | 330     | 87            |  |
| Power (kW / hP)                 | 105     | 141           | 193     | 259           |  |
| <b>Power Pack</b>               |         | <b>PP 218</b> |         | <b>PP 320</b> |  |
| Output (kW / hP)                | 160     | 218           | 235     | 320           |  |

| Top Feed Vibroflot    |        |      |        |      |
|-----------------------|--------|------|--------|------|
| Weight and Dimensions | Metric | US   | Metric | US   |
| Weight (kg / lbs)     | 1620   | 3571 | 2250   | 4960 |
| Height / H (mm / in)  | 2870   | 113  | 3560   | 140  |
| Width / W (mm / in)   | 376    | 15   | 376    | 15   |
| Length / L (mm / in)  | 560    | 22   | 560    | 22   |

| Bottom Feed Vibroflot |        |      |        |      |
|-----------------------|--------|------|--------|------|
| Weight and Dimensions | Metric | US   | Metric | US   |
| Weight (kg / lbs)     | 2100   | 4630 | 2812   | 6199 |
| Height / H (mm / in)  | 3745   | 147  | 4436   | 177  |
| Width / W (mm / in)   | 590    | 23   | 590    | 23   |
| Length / L (mm / in)  | 560    | 22   | 560    | 22   |

\* Technical specifications are calculated on maximum pressure and oilflow base. Required flow and pressure can be set according to the needs.

| Power Pack                         |        | PP 218 |        | PP 320 |  |
|------------------------------------|--------|--------|--------|--------|--|
| Unit                               | Metric | US     | Metric | US     |  |
| Oil Flow Max. (lpm / gpm)          | 232    | 61     | 460    | 121.4  |  |
| Pressure Max. (bar / psi)          | 350    | 5000   | 350    | 5000   |  |
| Oil Capacity (liter / gal)         | 450    | 118.8  | 500    | 132    |  |
| Diesel Tank Capacity (liter / gal) | 450    | 118.8  | 650    | 171.6  |  |
| Width / W (mm / in)                | 1610   | 64     | 1660   | 65     |  |
| Length / L (mm / in)               | 3720   | 147    | 4230   | 166    |  |
| Height / H (mm / in)               | 1740   | 69     | 1750   | 69     |  |



#### OMS power packs,

- can be worked as open and closed loop system,
- work up to 350 bar,
- produce oil flow up to 2000 lpm.

## WD Series

### Wick Drain Installation Machine



Back View

Front View

Isometric  
View

#### Technical Data

WD 28 - 43

| Unit                                | Metric | US   |
|-------------------------------------|--------|------|
| Static (crowd) Force (kN) (tons)    | 275    | 31   |
| Dynamic Force (kN) (tons)           | 435    | 49   |
| Combined Force (kN) (tons)          | 711    | 80   |
| Operating Frequency (rpm)           | 2500   | 2500 |
| Pressure Max. (bar) (psi)           | 350    | 5076 |
| Oil Flow/Vibro Max. (L/min) (gpm)   | 700    | 93   |
| Oil Flow/Wick Max. (L/min) (gpm)    | 506    | 134  |
| Mandrel Speed Max. (m/min) (ft/min) | 100    | 328  |

#### Recommended Excavator Working Weight (ton)

45 - 60

#### Weights and Dimensions

| Unit                        | Metric | US   |
|-----------------------------|--------|------|
| Suspended Weight (kg) (lbs) | 3077   | 6784 |
| Length / L (mm - in)        | 2040   | 80   |
| Height / H1 (mm - in)       | 3005   | 118  |
| Height / H2 (mm - in)       | 436    | 17   |
| Width / W (mm - in)         | 920    | 36   |

