

CRANE SUSPENDED VIBRO HAMMER
SVR 200 NF // INDONESIA



www.omsvibro.com

OMS VIBRATORY HAMMERS

SVR SERIES

Crane Suspended Vibro Hammer
(Normal Frequency & Variable Moment)

OVR SERIES

Excavator Mounted Vibro Hammer
(Standard & Variable Moment)

SVR 200 NF Video



POWERFUL VIBRATORY PILE DRIVING EQUIPMENT BY OMS

Manufacturer of Pile Driving Equipment for over 35 years!

Why Choose the OMS?

OMS offers its nature-respecting and sustainable solutions, which are part of our mission to our customers and business partners in the best way with its quality and the environment of trust it provides. Also, OMS is growing rapidly by including new dealers in its structures while continuing to have a say in international trade. These are the top reasons why OMS is preferred and why we are getting closer to our vision of being situated in the most reliable and respected position in the sector and being the "brand of the future" day by day.



OMS vibratory pile driving equipment is used in the field of construction and infrastructure in all conditions around the globe.

- Wide Range Products for Various Ground Condition and Depth,
- Crane hanging, excavator mounted and side grip vibratory hammers,
- Suitable for near historical buildings to use with variable (resonance - free) models,
- Stone column vibroflotation equipment for vibro compaction and vibro replacement,
- Wick drain installation equipment (PVD insertion equipment),
- Hydraulic power units,
- Extensive range of accessories and clamps,
- 70% in-house production provides the quality control,
- Fast delivery and professional after sales team,
- Spare parts and training support,
- Easy and effortless documentation and shipping.

SVR Series

Crane Suspended Vibro Hammer

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OVR Series

Excavator Mounted Vibro Hammer

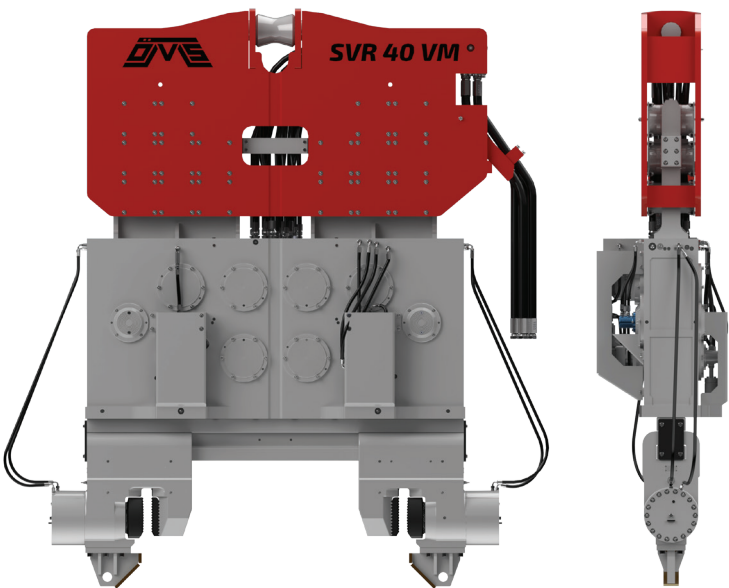
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SVR Series

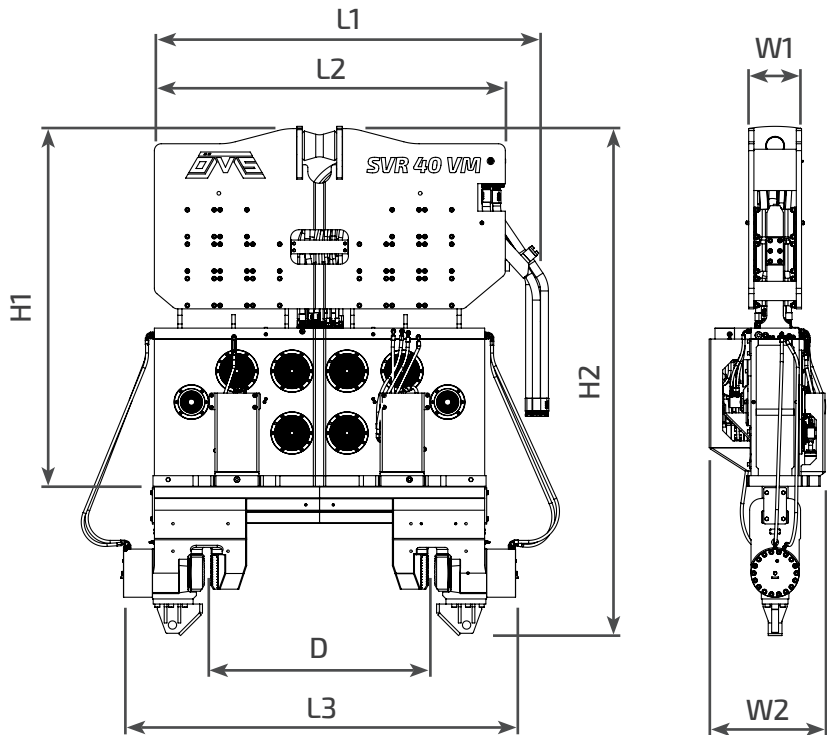
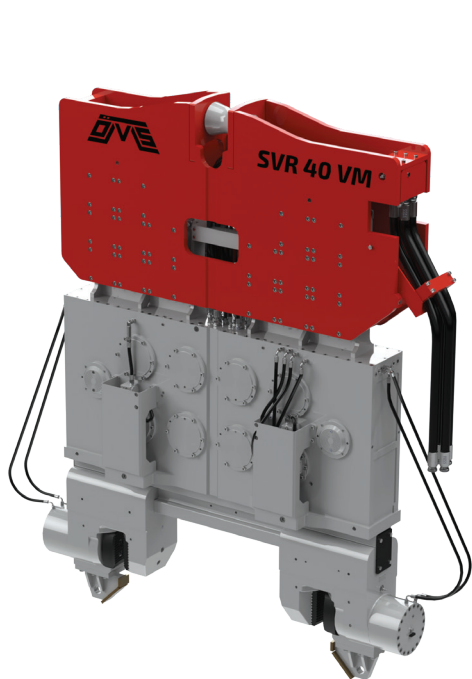
Crane Suspended Vibro Hammers

Variable Moment (VM)



Metric System

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
Weight and Dimensions								
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
Clamps for Sheet Piles								
	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
Clamps for Casing								
	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
Recommended Power Pack								
	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



Imperial System

Technical Specifications	8 VM	12 VM	16 VM	20 VM	24 VM	30 VM	40 VM	50 VM
Eccentric Moment (in.lbs)	0 - 694	0 - 1042	0 - 1389	0 - 1736	0 - 2083	0 - 2604	0 - 3472	0 - 4340
Centrifugal Force Max. (tons)	52	78	105	131	154	196	264	329
Frequency (rpm)	2300	2300	2300	2300	2300	2300	2300	2300
Oil Flow (gpm)	46	96	130	132	179	203	247	365
Power (hP)	138	283	385	392	528	601	735	1080
Amplitude (in)	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.6
Pulling Force Max. (tons)	17	26	26	53	53	79	106	120
Weight and Dimensions								
Dyn. Weight W/O Clamp (lbs)	2948	4079	6025	6614	7169	8345	11230	14109
Total Weight W/O Clamp (lbs)	4094	5666	8047	9436	9972	12566	16762	19621
Length / L1 (in)	59	67	76	81	81	87	110	123
Length / L2 (in)	47	55	69	72	72	78	100	110
Length / L3 (in)	60	72	77	79	79	89	112	121
Height / H1 (in)	62	65	79	83	83	97	103	96
Height / H2 (in)	91	95	105	118	118	134	146	139
Width / W1 (in)	12	12	13	15	15	15	15	15
Width / W2 (in)	19	20	26	25	26	28	33	34
Throat Width (in)	12.6	12.6	12.4	13.5	14.2	15.4	14.2	14.2
Clamps for Sheet Piles								
	SCN 60	SCN100	SCN 120	SCN 165	SCN 165	SCN 200	SCN 350	SCN 350
Clamping Force (tons)	72	113	137	191	191	254	400	400
Weight (lbs)	721	1367	1876	1909	1909	2635	5644	5629
Clamps for Casing								
	KCN 40x2	KCN 40x2	KCN 60x2	KCN 90x2	KCN 90x2	KCN 120x2	KCN 185x2	KCN 185x2
Diameter (min.-max.)/D (in)	14 - 28	14 - 38	14 - 40	20 - 40	20 - 40	24 - 40	24 - 63	24 - 71
Clamping Force (tons)	48x2	48x2	73x2	92x2	100x2	137x2	209x2	209x2
Weight (lbs)	408x2	408x2	677x2	1186x2	1186x2	2090x2	2567x2	2567x2
Recommended Power Pack								
	PP 218	PP 320	PP 422	PP 536	PP 536	PP 768	PP 1072	PP 1536
Output (hP)	218	320	422	536	536	768	536 x 2	768 x 2



VARIABLE MOMENT VIBRO HAMMER
SVR 24 VM // RUSSIA

Principle of Resonance - Free Starting and Stopping Vibration Case

The “Phase Shifter Mechanism” patented by OMS, displaces the eccentric masses and allows the adjustment of the amplitude.



Eccentric Masses in Balance State

The phase shifter changes the position of eccentric masses to the balance situation by remote control or control panel which means no resonance.

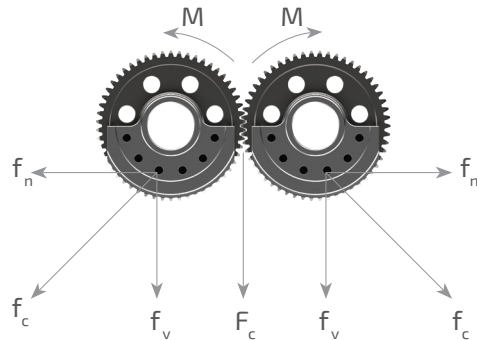
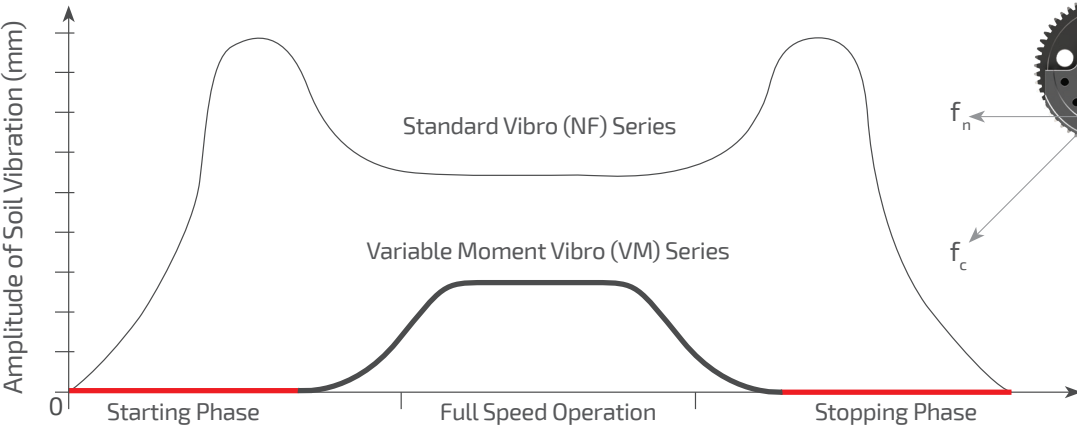


Eccentric masses shifting to unbalance state from balance state

The phase shifter changes the position of eccentric masses from 0° to 180° so that the vibratory pile driver can work at maximum amplitude.



Eccentric Masses in Unbalance State (180° Full Power)



Amplitude / eccentric moment can easily be adjusted between its minimum and maximum by variable moment technology.

The variable moment technology (phase shifter mechanism) of SVR Variable Moment Vibratory Hammers is to adjust the position of eccentric masses with respect to the resonance free starting and stopping of vibration case.

Scan the code with your mobile camera or with a QR reader app to watch the working video of SVR 24 VM.



Advantages

- Environmentally friendly technology,
- Controlled amplitude by means of adjustable eccentric moment,
- Resonance free start - stop,
- Optimum force application to the ground through variable moment feature,
- Minimized sound transmission through high-capacity anti-vibration mounts,
- Powerful, reliable and long life.



VARIABLE MOMENT VIBRO HAMMER
SVR 24 VM // USA

VARIABLE MOMENT VIBRO HAMMER
SVR 40 VM // GERMANY

OMS Vibro Website

SVR 40 VM Video



OMS Pile Driving Equipment

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OMS Vibro Hammer - Product Catalog

OMS has the right to change indicated technical data without prior notice.

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