CRANE SUSPENDED VIBRO HAMMER
SVR 200 NF // INDONESIA

www.omsvibro.com

OMS CRANE SUSPENDED VIBRATORY HAMMERS

SVR 200 NF Video

SVR SERIES
Crane Suspended Vibro Hammer
(Normal Frequency & Variable Moment)

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.

- Crane hanging, excavator mounted and side grip vibratory hammers,
- Vibroflot and wick drain installation machine,
- Hydraulic vibratory hammer from 2 kgm ~ 200 kgm, with centrifugal forces from 140 kN ~ 4380 kN.
- Combined with OMS power packs engine (kW/HP) up to 1170/1592,
- Wide range for various ground conditions and depths,
- Extensive range of accessories and clamps,
- Suitable for near historical buildings to use with variable (resonance - free) models,
- 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

Normal Frequency (NF) ⟶ Page 04
Variable Moment (VM) ⟶ Page 08

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 occuring.

CRANE SUSPENDED VIBRO HAMMER **SVR 30 NF // GHANA**

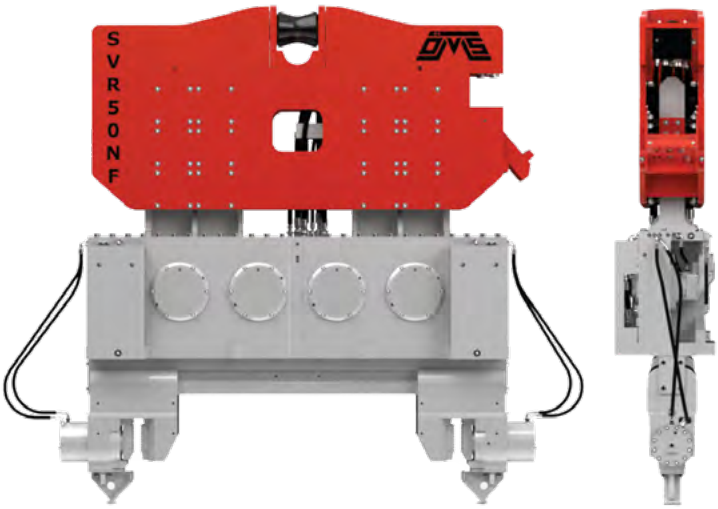
Scan the code with your mobile camera or with a QR reader app to watch the working video of SVR 30 NF.

For various ground conditions and depths, long-lasting, powerful and high-performance vibratory pile driver / extractor.

SVR Series

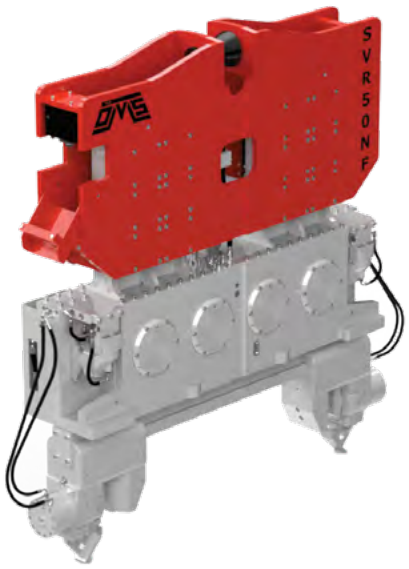
Crane Suspended Vibro Hammers

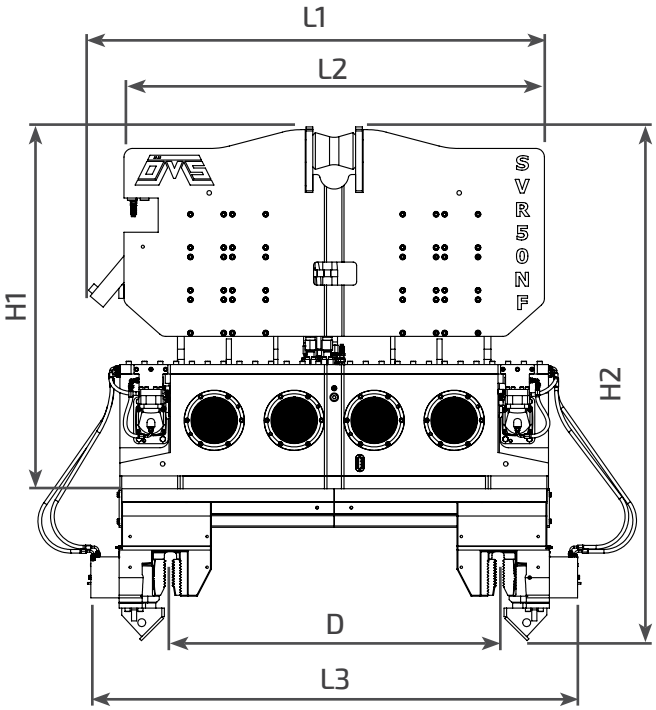
Normal Frequency (NF)

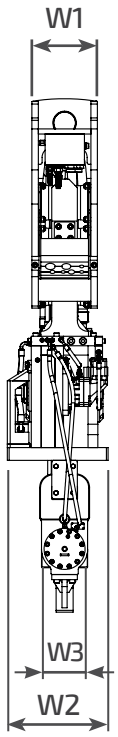


Metric System

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	1988	2310	2846	4380
Frequency (rpm)	1700	1700	1600	1500	1600	1480	1400
Oil Flow (lpm)	366	421	605	899	925	1122	1792
Power (kW)	195	243	352	524	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	1164x 2	1164 x 4
Recommended Power Pack	**PP 320**	**PP 380**	**PP 536**	**PP 768**	**PP 800**	**PP 1072**	**PP 1536**
Output (kW)	235	285	394	565	596	394 x 2	565 x 2







Imperial System

Technical Specifications	25 NF	30 NF	50 NF	80 NF	82 NF	120 NF	200 NF
Eccentric Moment (in.lbs)	2170	2830	4357	6970	7143	10416	17637
Centrifugal Force (tons)	89	116	159	223	260	320	493
Frequency (rpm)	1700	1700	1600	1500	1600	1480	1400
Oil Flow (gpm)	97	111	160	237	244	297	474
Power (hP)	262	326	472	703	724	878	1402
Amplitude (in)	0.9	0.9	0.9	1.08	1.08	1.02	0.75
Pulling Force Max. (tons)	53	66	79	106	106	119	211
Weight and Dimensions							
Dyn. Weight W/O Clamp (lbs)	5004	6063	9105	12897	13228	20162	47840
Total Weight W/O Clamp (lbs)	6834	9888	13559	20062	19731	26835	57541
Length / L1 (in)	79	102	104	131	108	131	144
Length / L2 (in)	71	95	97	121	98	121	132
Length / L3 (in)	77	111	112	134	116	132	-
Height / H1 (in)	67	80	84	87	105	106	143
Height / H2 (in)	94	106	118	130	148	148	-
Width / W1 (in)	15	14	15	18	16	18	19
Width / W2 (in)	22	23	23	30	28	29	82
Throat Width (in)	14.4	13.8	14.2	18.1	14.2	18.9	31.5
Clamps for Sheet Piles	**SCN 120**	**SCN 120**	**SCN 165**	**SCN 350**	**SCN 350**	**SCN 350**	**-**
Clamping Force (tons)	137	137	191	400	400	400	-
Weight (lbs)	1876	1876	1909	5644	5644	5644	-
Clamps for Casing	**KCN 60x2**	**KCN 60x2**	**KCN 90x2**	**KCN 185x2**	**KCN 185x2**	**KCN 185x2**	**KCN 185x4**
Diameter (min.-max.)/D (in)	14 - 41	14 - 75	21 - 75	24 - 83	24 - 83	24 - 81	39 - 118
Clamping Force (tons)	73x2	73x2	100x2	209x2	209x2	209x2	418x2
Weight (lbs)	677x2	677x2	1186x2	2567x2	2567x2	2567x2	5133x2
Recommended Power Pack	**PP 320**	**PP 380**	**PP 536**	**PP 768**	**PP 800**	**PP 1072**	**PP 1536**
Output (hP)	320	380	536	768	800	536 x 2	768 x 2

CRANE SUSPENDED VIBRO HAMMER
SVR 50 NF // INDONESIA

Scan the code with your mobile camera or with a QR reader app to watch the working video of SVR 50 NF.

High Eccentric Moment and Vibration Amplitude...

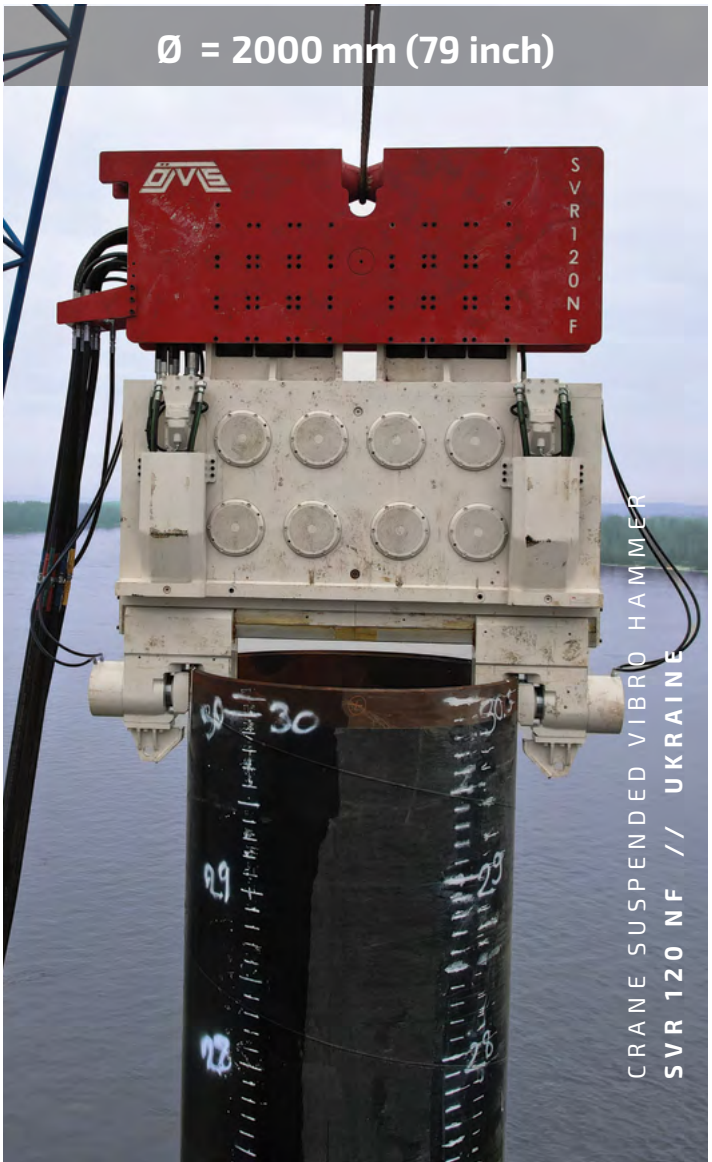
SVR series are designed to drive and extract all types of piles including sheet, tube (casing), also H - beam, I - beam, and steel plates.

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.

Advantages

- Various clamp types to suit all pile types,
- High eccentric moment and vibration amplitude,
- Adjustment of power settings and monitoring of the process through the control system,
- Powerful, reliable and long life.

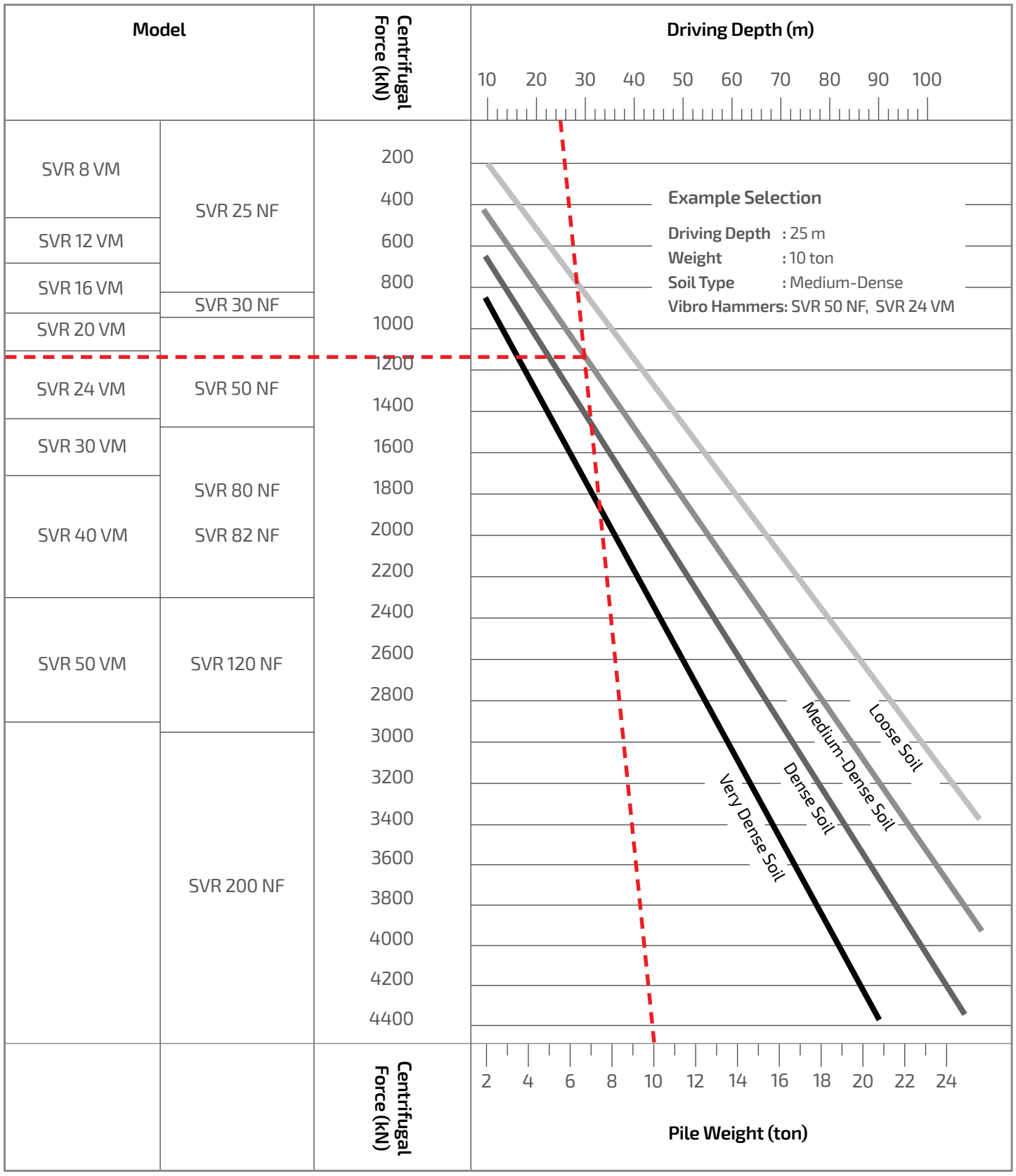
Ø = 2000 mm (79 inch)



CRANE SUSPENDED VIBRO HAMMER
SVR 120 NF // UKRAINE

Selection Chart

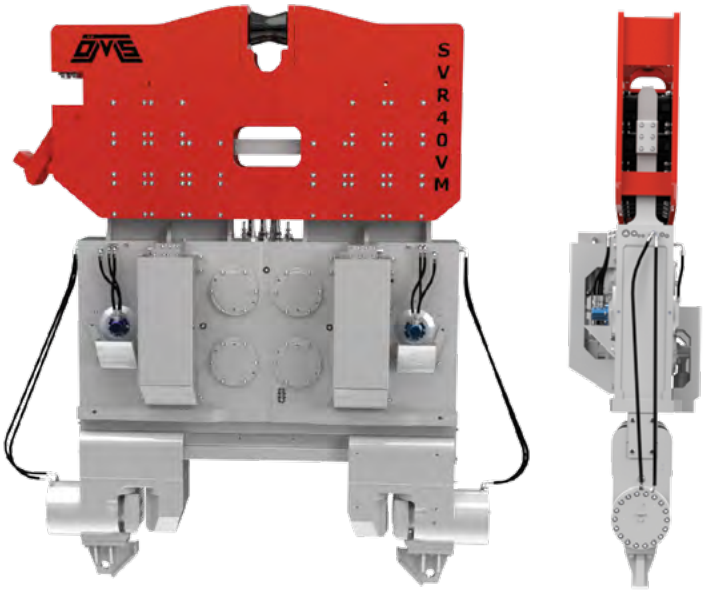
Crane Suspended Vibro Hammers



SVR Series

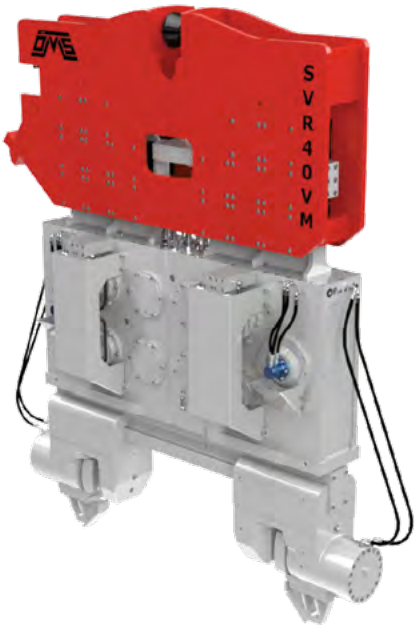
Crane Suspended Vibro Hammers

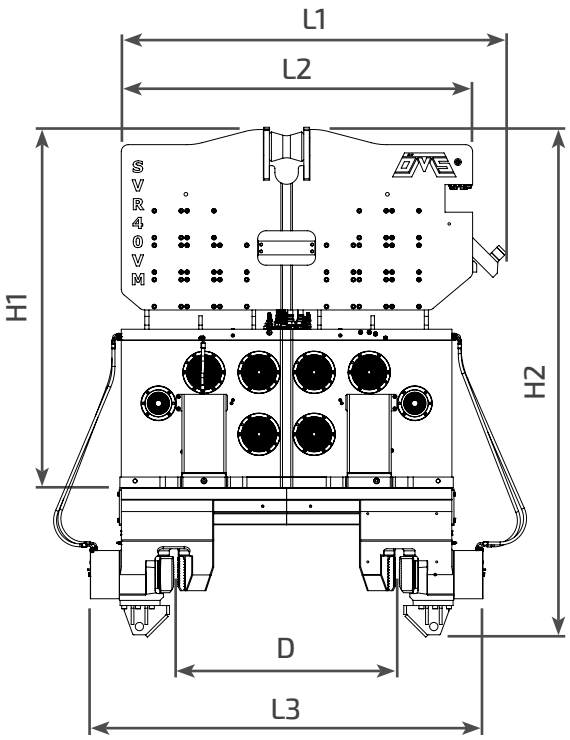
Variable Moment (VM)

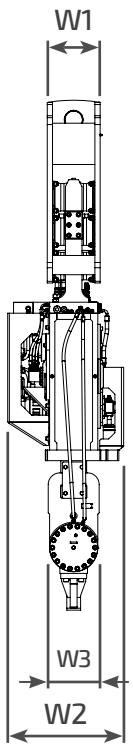


Metric System

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
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)	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 45x2**	**KCN 45x2**	**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)	465 x 2	465 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
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.	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 45x2**	**KCN 45x2**	**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)	52x2	52x2	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

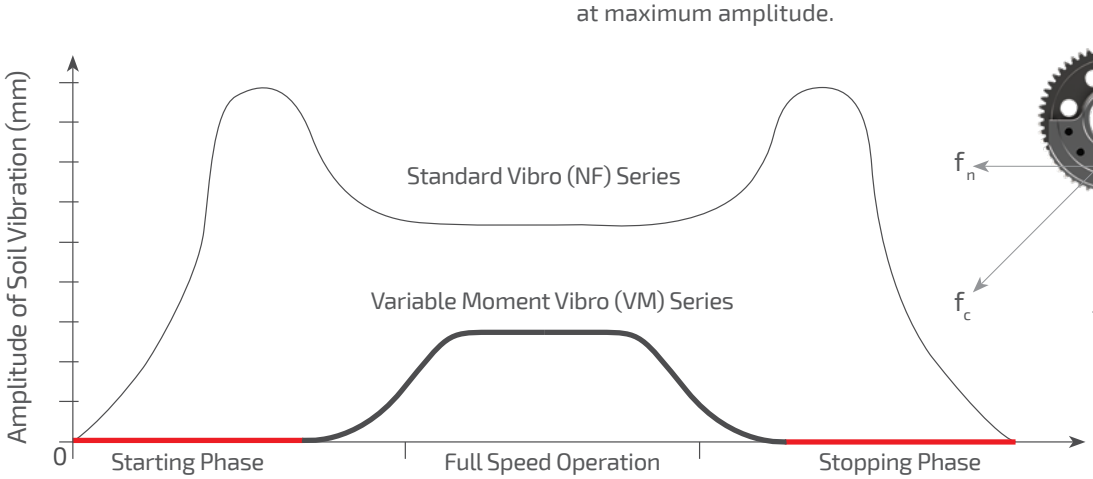
The phase shifter changes the position of eccentric masses to the balance situation by remote control or control panel which means no resonance.

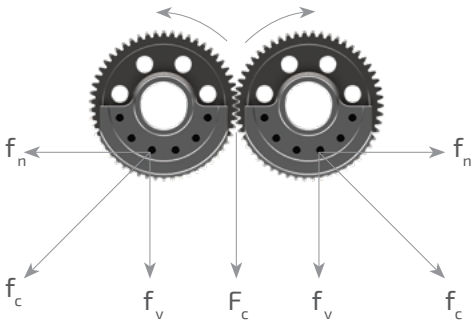
Eccentric masses shifting to unbalance state from balance state

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 // GEORGIA

VARIABLE MOMENT VIBRO HAMMER
SVR 40 VM // GERMANY

OMS Vibro Website

SVR 40 VM Video

OMS Pile Driving Equipment

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/ omsvibro

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

ÖZKANLAR GRUP

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