

1. Vibrator penetrates weak soils under action of vibrations and water jetting medium and forms a hole to design, usually a competent bearing stratum
2. After being held at depth for a short time, the vibrator is withdrawn and a charge of stone is placed into the hole
3. The Vibrator is reintroduced into the hole, the stone is compacted, forced out and tightly interlocked with the surrounding ground.
4. by adding successive charges of stone and compacting each one, a column of very compact stone is built up to ground level. The reinforcing and compacting action of the stone columns serves to significantly improve the load bearing and settlement characteristics of the ground.

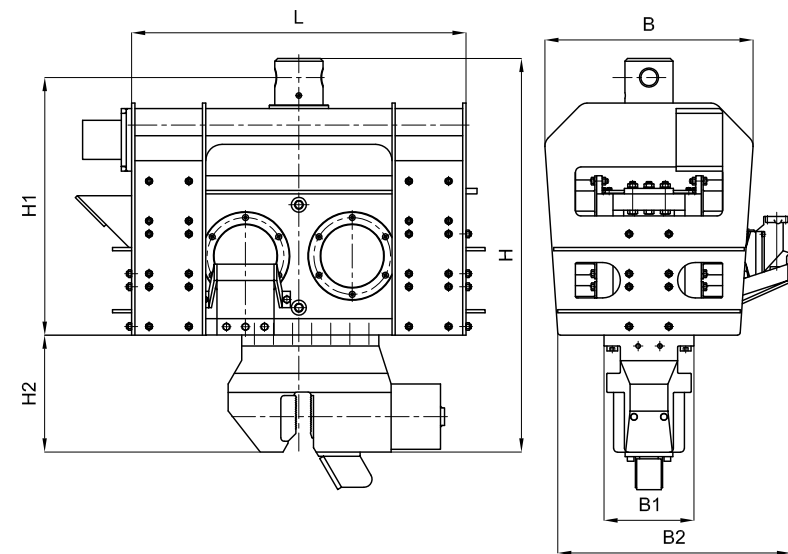


Excavator Mounted Vibratory Hammers

OVR Series

Technical Specifications		OVR S-40	OVR S-50	OVR S-60	OVR S-70	OVR S-80
Centrifugal force at max. frequency	kN	251	333	428	485	618
Eccentric moment	kgm	3,66	4,86	6,25	7,05	9,04
Max. rotational speed	Rpm	2500	2500	2500	2875	2500
Power of vibrator	kW	54	80	107	122	147
Max. amplitude	mm	10,2	9,1	11,5	12,9	10,8
Max. line pull for extraction	kN	88	147	147	147	235
Max. oil flow	l/min	100	150	200	230	275
Max. oil Pressure	bar	320	320	320	320	320
Total weight (with clamp)	kg	1008	1530	1542	1552	2475
Dynamic weight	kg	717	1072	1085	1095	1680
Lenght L	mm	950	1038	1038	1038	1103
Height H	mm	1150	1289	1289	1289	1420
Height H1	mm	667	788	788	788	912
Height H2	mm	450	456	456	456	458
Widht B	mm	573	651	651	651	727
Widht B1	mm	295	320	320	320	360
Widht B2	mm	682	757	757	757	850
Clamp type		SCN30	SCN60	SCN60	SCN60	SCN75
Clamping Force	kN	333	591	591	591	748

* Clamping Control: Clamp in/out by electrically operated and suitable for EU safety regulation



OVR-S-40



OVR-S-50



OVR-S-60



OVR-S-70



OVR-S-80

Özkanlar Vibratory Pile Driving Equipment



NORMAL FREQUENCY

- Ideal for driving profiles and sheet piles
- Long lasting
- Driving the different types of material via different types of clamp types
- Economical
- Producing high centrifugal power and having long amplitude for driving heavy materials

HIGH FREQUENCY

- Minimum vibration transmission on soil
- Constant static moment
- High performance
- Minimum number of moving parts
- Long lasting

VARIABLE MOMENT

- The control of vibration power through adjustable eccentric moment
- No vibration at the start and stop of the machine
- With minimum sound and through vibration absorbents, appropriate to work in the crowded areas and city centers
- Not applying any extra force on the soil owing to the feature of variable moment

EXCAVATOR MOUNTED

- Being able to work using the hydraulic power of the excavator independent of a power pack.
- Easy to be used for its average light weight and compact sizes
- Being able to drive longer sheet piles with its lengthening extension boom
- High tension power for driving and extracting
- Fast movement capacity



SVR Series

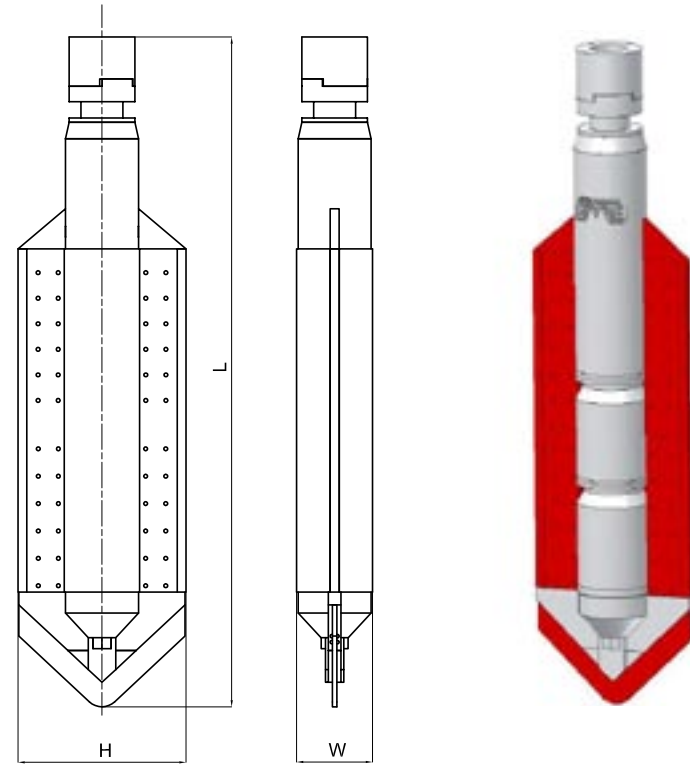
Hydraulic vibrators have wide applications in driving and extracting sheet piles, profiles and steel pipes and are also ideally suited to offshore and underwater work, where they can operate to considerable depths. When modified, non-piling applications that the machines can be used for include soil compaction and construction of vertical drains.

THE ADVANTAGES OF Özkanlar VIBRATORS

- Special solutions for different soil conditions and different depths
- Driving various types of materials via different clamp systems
- Machines which can endure the most difficult loading conditions
- Machines whose power can be regulated on the user's will and work flow via the control system
- Quiet and environment friendly
- Fast and reliable service team
- Strong, high quality, long lasting and economical
- Introducing innovations to the field of vibration techniques with the R&D team who can adapt to the developing technology and who refreshes itself progressively in order to satisfy all the needs.
- In EU standards



OVF 300 - 400 Vibro Flotation



Technical Specifications		OVF300-200	OVF300-300	OVF400-330	OVF400-450
Eccentric moment	kgm	2,026	2,026	9,1	9,1
Frequency	Rpm	3000	3600	1800	2100
Centrifugal force	kN	200	293	329,6	448,6
Power of vibrator	Kw	90	90	115,5	134,8
Weight (Total)	kg	1400	1400	2200	2200
Length L	mm	3100	3100	3670	3670
Width W	mm	335	335	416	416
Height H	mm	758	758	920	920
Power pack		PP340	PP340	PP340	PP340



STRONG, RELIABLE, LONG LASTING

Özkanlar is a worldwide company specialized in manufacture of vibratory hammer for piling applications. Our company is based in Ankara, the capital of Turkey.

Özkanlar, founded in 1987, specialized in manufacturing piling equipment. The main target of Özkanlar was to manufacture vibratory pile drivers at the high quality and it did not take too much time to reach its target as we now export OVR series to each continents.

With the experience gained until now in this field, Özkanlar has established a worldwide network by the most skilled authorized agents in more than 25 countries.

Two main types of our vibratory hammers are as excavator mounted and crane hanging.

By manufacturing the recent type of SVR series variable moment crane hanging vibratory hammers with power pack units, Özkanlar shows its stability to become one of the most important and reliable vibratory piling hammer manufacturers in the world. Özkanlar will carry on developing new solutions to the piling market and increasing customer satisfaction.