

Excavator Mounted Vibro Hammers

ABI Add-on HVR vibrators.

ABI is a German manufacturer with over 35 years of experience in the shoring industry. ABI offers its customers in the pile driving, boring and press technics and extensive program of machine, tools and attachment.

Below: The ABI HVR 75 excavator mounted vibrator with a centrifugal force of kN 500.



- advantageous for building bridges, rail etc



- for low design height



- for low design height



- HVR 75 and HVR 60

For smaller projects ABI offers attachments for hydraulic excavators. The add-on vibrator HVR is installed at the dipper stick of a carrier (hydraulic excavator with bucket or grab) and driven by its hydraulic system.

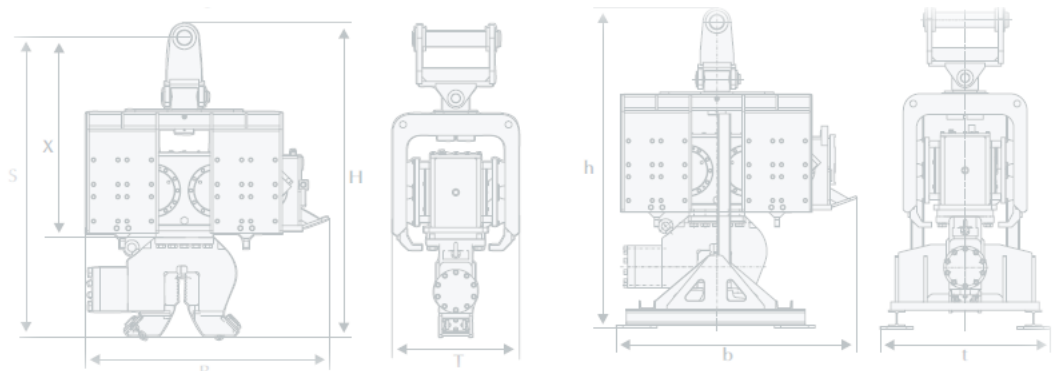
Advantages.

- Very short starting and stopping times
- High revolutions
- Small noise level
- Low weight
- High centrifugal forces
- Low Design height

The advantage of the add-on vibrator HVR stand out in situations where limited headroom constitutes ad problem, eg. in buildings, under bridges or power lines, because very little of the useful length is lost due to the low design height.

ABI HVR EMV for driving/pulling of :

- sheet piles and trench sheet piles
- steel beams and girders
- steel pipes / casings
- full displacement sections



Technical Specifications		HVR 30	HVR 45	HVR 60	HVR 75	HVR 100
Centrifugal force at max. frequency	kN	300	300	400	500	500
Eccentric moment	kgm	3	4.5	6	7.5	10
Static extraction force max.	kN	40	40	40	80	80
Revolutions max.	min -1	3000	2460	2460	2460	2135
Hydraulic flow rate max.	l/min	90	130	196	262	312
Required hydr. power at vibrator	kW	50	70	100	140	170
Nominal oil pressure	MPa	32	32	32	32	32
Dynamic weight *	kg	565	740	920	1475	1495
Total weight *	kg	890	1100	1260	2050	2080
Weight of pile elements max.	kg	500	800	1000	1400	1600
Height	mm	1560	1595	1635	1865	1865
Width	mm	850	1050	1170	1445	1445
Depth	mm	610	615	615	750	750
Locking to bottom *	mm	1120	1160	1200	1430	1430
Locking to vibrator body	mm	740	780	820	845	845
Transport dimensions	mm					
Height (h) /width (b)/ depth (t)		1670/1000/660	1670/1135/660	1710/1185/660	1965/1480/1030	1965/1480/1030

* with standard clamping jaw