



ABI Mobilram-System

The Revolution in Civil Engineering

Based on site experience ABI has re-designed the ABI MOBILRAM for even higher performance and safety. The new improved version features a stronger mast with even greater usable length. As option a docking system is available which allows the operator to change tools by a push of a button. Further new is a so called CAN-BUS control system with touch screen computer control panel. All control related joy sticks and elements are ergonomically designed and positioned for smooth operation. The engines fulfil the latest environmental standards. With a large choice of attachments the telescopic leader masts can cover nearly all areas of special civil engineering from pile driving, drilling to pressing and up to impact pile driving.

Multifunctional

If the machine is equipped with a vibrator all kinds of pile elements (steel sheet piles, lightweight sections, trench sheeting, beams, steel plates, etc.) can be driven or extracted. Among other things, an auger drive is used to drill or mix foundation and shoring piles.

With a Hydro-Press-System steel sheet pile sections can also be statically pressed into the ground at very low vibrations. And with a diesel hammer or hydraulic impact hammer the pile elements are impact driven into the ground.

The leader mast is the key component on the ABI MOBILRAM-System which guides all attachments for common and extraordinary pile driving, extracting, augering and static pressing operations. Usable pile or auger length up to 25 m are available through the model range.

Low set up times

The set up times of an ABI MOBILRAM are very low with less than 30 minutes. To bring the unit back in transport configuration takes not longer. It is done in a one step operation. Vibrators and all other attachments are connected and disconnected quick and safe by the docking system.

High Mobility

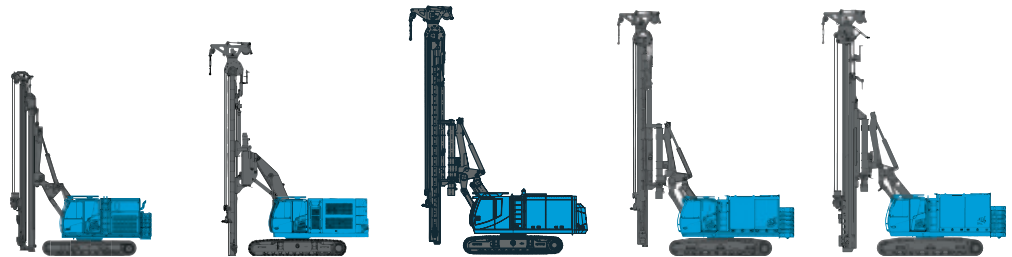
The ABI MOBILRAM can be transported on a low-loading truck. For the transport position the leader mast is folded down to the rear. The transport width can be reduced using telescopic under carriage.



Stock location:

• Niedernberg (DE)

TM 13	TM 13/16 SL	TM 14/17 VSL	TM 14/17 V	TM 17
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Engine power (kW)	209	340 / 470	470	470	470
Stroke guiding carriage (mm)	13500	16000	17000	17000	18000
Torque absorption max. (kNm)	60	45	45	100	150
Max. load capacity (kg) at 360 degrees operation, reach dependent on ballasting	7000	9000	9000	10000	11000
Carrier	SR 20 F	SR 30 / SR 35	SR 35	SR 35	SR 35
Transport weight (approx. t) (incl. standard counter weight, reduction of transport weight possible by detaching counter weight)	40	47 / 51	53,3	58	63
Operation weight with standard vibrator (approx. t)	43,5	51,2 / 56,5	57,3	63	67,4
Standard vibrator	MRZV 16VV	MRZV 20VV	MRZV 20VV	MRZV 30VV	MRZV 30VV
Eccentric static moment (kgm) (Max.) centrifugal force (Kn)	0-16 750	0-20 1200	0-20 1200	0-30 1500	0-30 1500



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	TM 18/22 HD	TM 20	TM 22	TM 26
Engine power (kW)	563	470	470	563
Stroke guiding carriage (mm)	22000	20000	22000	26200
Torque absorption max. (kNm)	200	150	200	160
Max. load capacity (kg) at 360 degrees operation, reach dependent on ballasting	19000	12000	15000	20000
Carrier	SR 45	SR 35	SR 35 HD	SR 45
Transport weight (approx. t) (incl. standard counter weight, reduction of transport weight possible by detaching counter weight)	86	64,8	76	88,5
Operation weight with standard vibrator (approx. t)	92	70	81	94
Standard vibrator	MRZV 36VV	MRZV 30VV	MRZV 30VV	MRZV 36VV
Eccentric static moment (kgm) (Max.) centrifugal force (Kn)	0-36 1500	0-30 1500	0-30 1500	0-36 1500

