



Your partner in civil engineering

●●● Pile Driving

●●● Extracting

●●● Augering

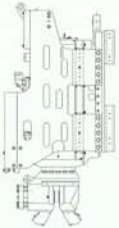
●●● Silent Piling

●●● with System



ABI MOBILRAM-SYSTEM TM 12/15

Applications for the ABI MOBILRAM-SYSTEM TM 12/15



ABI Pile driving and extracting vibrator MRZV and MRZV-V

for installing and removing of

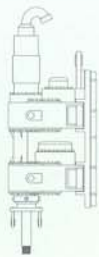
- sheet piles and trench sheetpiles
- steel beams and girders
- steel pipes / casings
- full displacement sections
- injection probes



ABI Auger drive MBA

for augering operations as e. g.

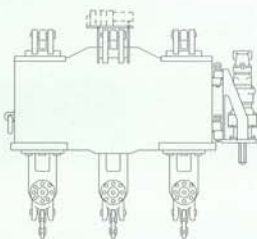
- ground release augering and augering for ground investigation
- augering for soldier pile installation
- displacement augering
- CFA piles
- injection and soil improvement for foundations



ABI Double auger head system VDW 3525

for auger / drilling operations as e. g.

- pile walls (counterfort type, tangential, secant and on - the - wall)
- augering cased for soldier pile installation
- well construction (dewatering)
- injection and soil improvement for foundations
- displacement augering



ABI HYDRO-PRESS-SYSTEM HP

for the vibration-free pushing and extracting of

- cold-rolled steel sheet pile sections with interlock

ABI HYDRO-PRESS-SYSTEM HPZ

for the vibration-free pushing and extracting of

- steel sheet pile Z - sections

ABI - Custom-made innovations

All stated figures are approximate values which may change.

Design subject to modifications.

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ABI GmbH

Boschstraße 8

D-63843 Niedernberg

Tel. +49 (0) 60 28 / 97 23 -0

Fax +49 (0) 60 28 / 47 69

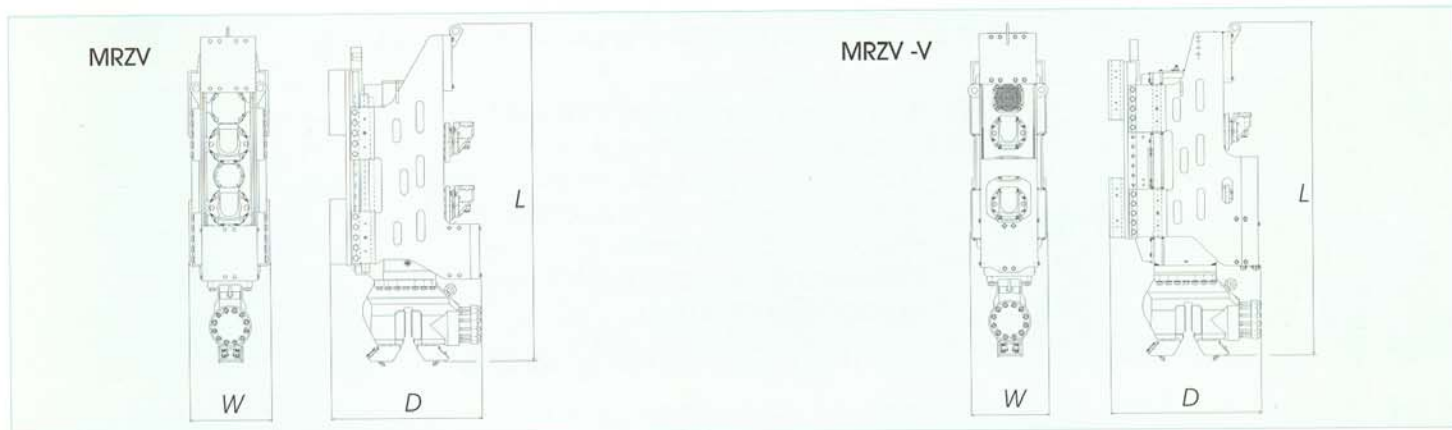
<http://www.abi-gmbh.de>

e-mail: info@abi-gmbh.de

ABI Pile driving and extracting vibrators

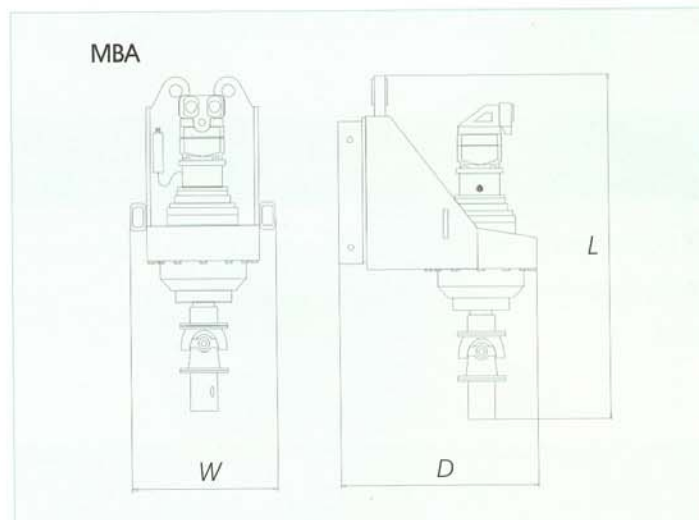
Technical Data		MRZV 600	MRZV 700	MRZV 800	MRZV 600V	MRZV 800V	MRZV 925V
					variable - static moment		
Centrifugal force at max. frequency	kN	600	700	800	600	800	925
Static moment	kgm	8	10	12	0 bis 8	0 bis 12	0 bis 16
Max. revolutions	min ⁻¹	2.620	2.530	2.470	2.620	2.470	2.300
Required hydr. power at vibrator	kW	> 120	> 160	> 200	>120	>200	>250
Dynamic weight*	kg	1.350	1.630	1.670	1.760	2.290	2.350
Total weight*	kg	2.300	2.690	2.730	3.020	3.470	3.770
Clamping force with standard jaw	kN	720	1.000	1.000	720	1.000	1.120
Maximum weight of pile elements	kg	1.500	1.800	2.000	1.500	2.000	2.500
Length* L	mm	2.115	2.460	2.460	2.270	2.670	2.670
Width W	mm	580	580	580	600	600	600
Depth D	mm	1.080	1.080	1.080	1.170	1.190	1.190

* including standard jaw assembly



ABI Auger drives

Technical Data		MBA 3100
Torque	daNm	3.100
Hexagon connection*	mm	80
Max. oil pressure	bar	300
Max. oil quantity	l/min ⁻¹	360
Required oil quantity per rotation	l/rot.	7,5
Max. revolutions	min ⁻¹	48
Max. auger diameter	mm	1.000
Total weight	kg	930
Length L	mm	1.650
Width W	mm	700
Depth D	mm	1.000



* SW-M as socket / female



ABI Telescopic leader system

Technical Data		TM 12/15	
Usable length			
with pile driving and extracting vibrator (depending on type)	mm	ca.	14.500
with auger drive	mm	ca.	15.000
Underground lowering depth	mm	ca.	3.000

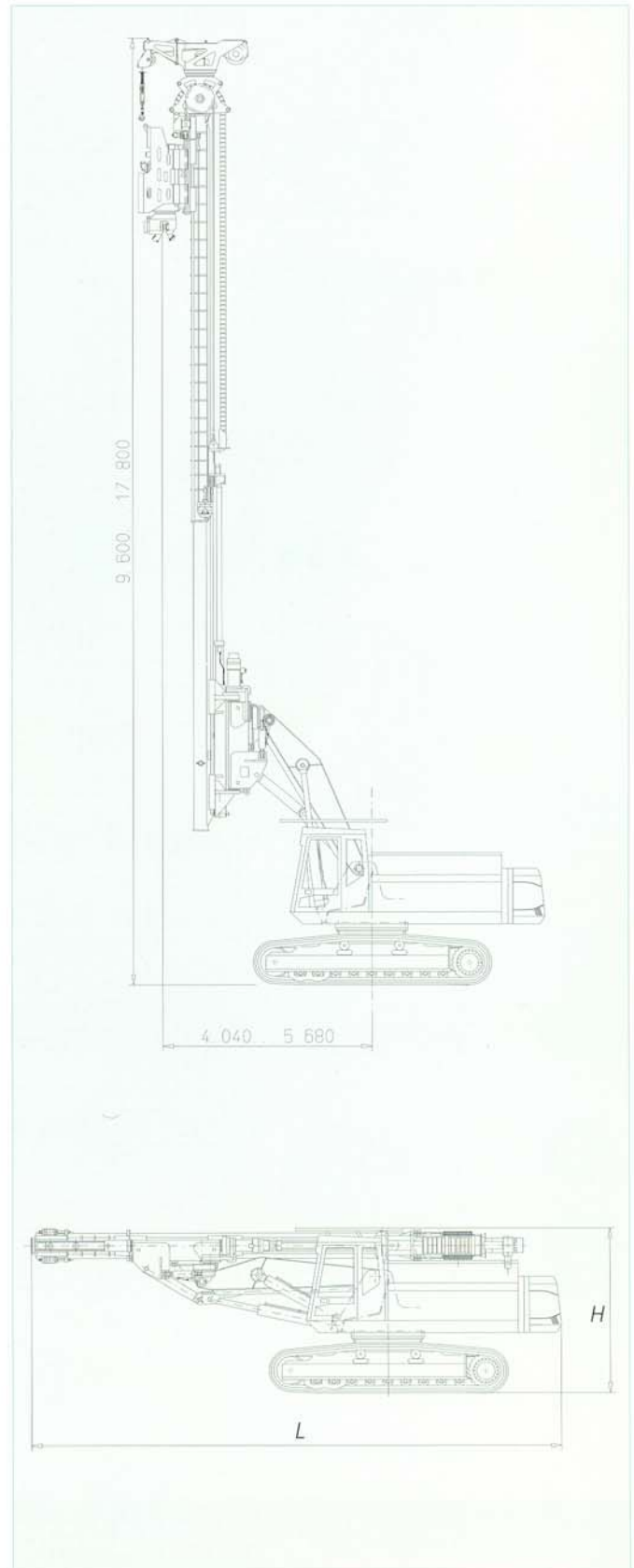
Height - leader base set down, not telescoped, main boom in lowest position	mm	ca.	9.500
Height - leader cylinders I and II extended main boom in highest position	mm	ca.	18.500
Winch assembly height	mm	ca.	750

Prestressing force Leader cylinder I	kN	max.	70
Prestressing force Leader cylinder II	kN	max.	90
Extraction force Leader cylinder I	kN	max.	140
Extraction force Leader cylinder II	kN	max.	175
Torque absorption	daNm	max.	3.100
Lifting capacity Auxiliary winch	kN	max.	50

Leader inclination front/rear	degree	max.	±4°
Leader inclination laterally	degree	max.	±4°
Leader inclination transport position	degree	max.	- 90°
Leader slewing range	degree	max.	±100°

Attachment weight incl. main boom and main boom cylinder	kg	ca.	10.500
Assembly weight Auxiliary winch	kg	ca.	750
Weight of piling equipment without attachment depending on carrier unit	t	ca.	40 to 45

Transport dimensions			
Length L	mm	ca.	10.500
Width	mm	ca.	3.000
Height H	mm	ca.	3.350



All stated figures are approx. values which may change depending on the carrier type.