



Hydraulic ram unit for piling posts

The fully hydraulic ram HRE is based on a solid tracked truck with live ring and rubber chains. The drive is a Hatz two or three-cylinder Diesel engine which has proven itself in many construction machines. As we attach great importance to stability, it is also possible to extract posts and drill holes for shells. The modification equipment for extraction consists of two drawbars, ram block, and clamping tongs retainer with clamping tongs. The modification time is approx. 15 min. After that, 1 person is able to extract posts quickly, safely, and without any problems without using a truck crane and post extractor. With a feed of 1.9 m from the front edge chain to the centre of hammer and a useful height of 3 m even big posts can be rammed



Fig. Transport position

Due to replaceable and readjustable bronze slide rails in all mobile parts such as e.g. slide chariot and feed pipe as well as solid hydraulic valves "MADE IN GERMANY" especially designed for construction machinery a long service life is ensured. Equipped with an optimal turn drive unit and down-hole hammer, the machine can be modified into a drilling truck within a short time for drilling shells at crossings and for pile-driving



Fig. Extractor unit



Fig. Drilling Unit



GAYK

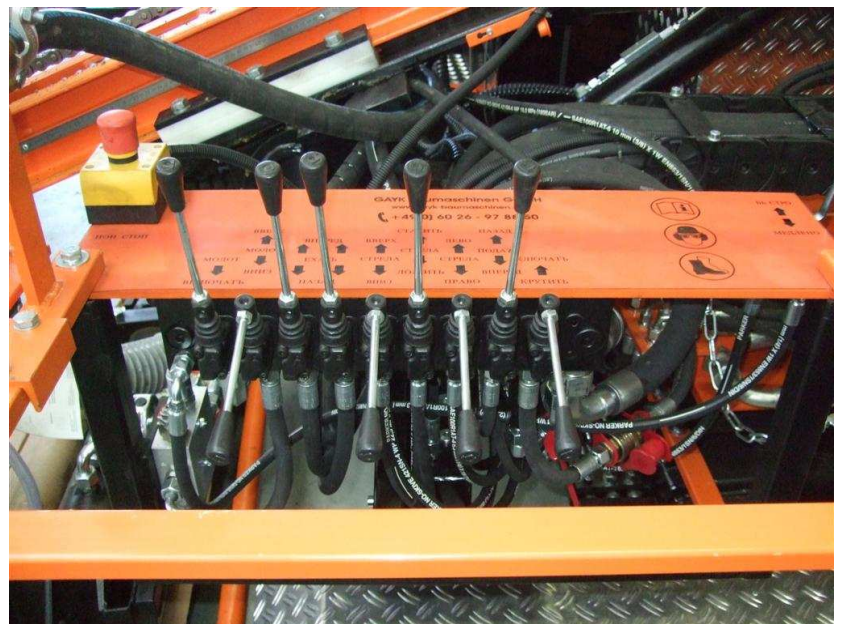
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Due to the chain pressure mount, the hammer will be pushed onto the post at a preset pressure with a small hammer weight of the hammer. Therefore the ramming time is much shorter. In order to achieve an even ramming depth, the HRE has been equipped with an electric cutoff. It switches off the rammer and chain feed automatically with the required ramming depth.



The big switch cabinet includes all fuses and relays as well as enough room for the connection of other consumers.

In order to minimise downtimes, only screwings and hoses of best possible quality have been chosen. If nevertheless a hose is defective, it may be procured at any hydraulic point of support immediately.





Technical Data HRE

	HRE 800	HRE 1000		HRE 3000	
	PB 160	PB 160	PB 310	PB 160	PB 310
Transportlength with Mastl. 3,70m:	xxx	3750 mm	3750 mm	3750 mm	3750 mm
Transportlength with Mastl. 4,70m:	xxx	4750 mm	4750 mm	4750 mm	4750 mm
Transportlength:	3050 mm				
Transportbreath:	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm
Transportheight:	2200 mm	2200 mm	2200 mm	2200 mm	2200 mm
Weight with hammer		3.100 kg	3.600 kg	3.160 kg	3.660 kg
Max.L of the posts to be rammed	2 m	3 m / opt. 4 m	3 m / opt. 4 m	3 m / opt. 4 m	3 m / opt. 4 m
Feed of front edge chain to center of posts	1.400 mm	1.900 mm	1.900 mm	1.900 mm	1.900 mm
Number of impacts /min	670 - 1450	670 - 1450	530 - 1150	670 - 1450	530 - 1150
Joule:	770	770	850	770	850
Weight of the hammer	76 kg	76 kg	136 kg	76 kg	136 kg
Oil pressure / bar:	190	190	190	190	190
Oil quantity l/min:	80	80	80	80	80
Oil tank / Quantity l:	180	180	180	180	180
Motor:	Hatz 2L 41C	Hatz 2L 41C	Hatz 2L 41C	Hatz 3L 41C	Hatz 3L 41C
Power / kw:	24,4	24,4	24,4	34	34
Elektric / V:	12	12	12	12	12
Tank capacity / l:	60	60	60	60	60



Technical Data HRE

	HRE 4000 PB 420	HRE 6000 PB 420
Transportlength with Mastl. 3,70m:	xxx	xxx
Transportlength with Mastl. 4,70m:	4750 mm	xxx
Transportlength	xxx	6200 mm
Transportbreath:	2000 mm	2020 mm
Transport height:	2200 mm	2480 mm
Weight with hammer	3.800 kg	7.000 kg
Max.L of the posts to be rammed	3 m / opt. 4 m	6 m
Feed of front edge chain to center of posts	1.900 mm	1.900 mm
Number of impacts/min	530 - 1150	530 - 1150
Joule:	1100	1100
Weight of the hammer	189 kg	189 kg
Oil pressure /bar:	190	190
Oil quantity l/min:	100	100
Oil tank / Menge l:	180	180
Motor:	Hatz 3L 41C	Hatz 3L 41C
Power / kw:	34	34
Elektric / V:	12	12
Tank capacity / l:	60	60