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PILING and DRILLING equipment

From piling rig to drilling rig



Lebotec has converted the piling rig from Altenburg Funderingstechnik from Lemmer to a drilling rig. Lebotec has the machine equipped with stabilizer's and a new leader-part with rotatable sheave head, now the drilling depth is 14.5 meters. Also, the machine is provided with a drill cleaner 600, and there are various hydraulic adjustments done. Other modifications: the machine is equipped with an additional auxiliary winch and various measuring instruments. We can be proud of the results.

Thinking about to be overhauled or modify your equipment, please contact us and discuss the possibilities.



Technical data

Concrete screw drilling rig Altenburg

Max. length leader totally	:	17,3	meter
Max. drill length under sheave head	:	14,3	meter
Max. weight screw drill	:	3,58	ton (250kg/m by 15m)
Max. Torque	:	4	ton meter (over full length)
Weight rotary head	:	1,8	ton
Length leader feet	:	0,2	meter
Length 1 ^e leader part	:	2,5	meter
Length 2 ^e leader part	:	13,0	meter
Length 3 ^e leader part	:	1,8	meter
Length sheave head	:	0,5	meter
Measurement leader	:	550x500	mm
Stroke sliding table	:	1200	mm
Stroke leader	:	3000mm	(vertical 1m above till 2m under ground level)
Rotary head	:	Lebotec	
Maximum angle hoist forward	:	18,4	° (3 op 1)
Max. lifting capacity	:	4,5	ton
Maximum angle drilling from the side:		(only 2° for correction)	
Capacity main winch	:	5,0	ton
Capacity 1e auxiliary winch	:	4,5	ton
Capacity 2e auxiliary winch	:	0,5	ton
Diesel engine	:	DAEWOO	
Motor type	:	DE58TIS	
Number of cylinders	:	6	
Power	:	110	kW (150PK)
Motor speed	:	1950	rpm
Max. Torque	:	603	Nm
Speed by max. torque	:	1400	rpm
Electric system	:	24	V DC
Transport width	:	3300	mm
Width tracks	:	3300	mm
Length undercarriage	:	3645	mm
Track width	:	900	mm
Number or track rollers	:	9	/ side
Weight leader and sheave head	:	4,5	ton
Counterweight	:	3,9	ton (270mm extendable)
Totally weight machine excl. rotary	:	ca. 36,0	ton
Totally weight machine incl. rotary	:	ca. 37,9	ton
Max. wind force in operation	:	8	Bft
Wind speed max. in operation	:	20	m/s
Min./max. ambient temperature in service:		-10/+40	grd C