



# Small, compact, powerful, silent, oil-free – Accumulator-Battery-Power-HDD!

In the line of duty under good conditions a daily output of 5 house connections with a total length of 99 m had been achieved!

## Mission report of our demonstrations

- 26 m underground laying of a DN32 pipeline along a company building in a depth of 0.6 m - 3 m
- backfilled, with stones shot through soil
- setup of the HDD in 10 min
- pilot hole within 1.5 h including a correction due to falling below the laying depth after a puncture with 67 %
- pipe installation within 20 min
- quick removal within 10 min
- 3.75 h from arriving the construction until departure



- 18 m drilling underneath a bitumenized farm track into a barn for a DN32 pipeline together with a control cable and an enlargement up to 63 mm
- compacted clay soil, gravel in the catchment and pull-out area
- 10 m underpass of a ditch with 1.20 m depth by an overlying ground of 50 cm
- pilot hole 45 min, pipe installation 20 min
- 1.5 h from arriving the construction until departure



- 18 m drilling underneath a street in residential area for house connection with speedpipe
- clay-sand-soil
- no road block necessary
- pilot hole adjusted by 3 drill pipes
- pilot hole 1 h, pipe installation 10 min
- 1.75 h from arriving the construction until departure



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# Mission report of our demonstrations



- 23 m drilling for underground laying of a speedpipe
- canal and further external pipes sub-drilled in a depth of 2 m
- setup of the HDD in 10 min
- pilot hole 2 h
- pipe installation within 30 min
- 2.75 h from arriving the construction until departure



## Bohrprotokoll Drill-Vole

Bohrung Nr.: <u>1</u>	Datum: <u>20.10.2020</u>
Auftraggeber: <u>EA Kerstholt</u>	Produkt: <u>Drill Vole</u>
Baustelle: <u>76833 Knieringen</u>	Bohrgerät: <u>Drill Vole</u>
Bauleiter: <u>Simon Lehnert</u>	Gestänge: <u></u>
Bohrpersonal: <u>Leubach / Holmann</u>	Bohrlänge: <u></u>
Bohrrichtung: <u>90° - 180°</u>	abzur. Länge: <u></u>

Stange Nr.	Drill-Vole	Tiefe	Neigung	gebohrt / gesteuert	Anmerkung	Dauer
1	1,20	70cm	-40%			
2	2,40	99cm	-28%			
3	3,60	130cm	-24%	2 Uhr		
4	4,80	168cm	-18%	1 Uhr		
5	6,00	192cm	-10%	11 Uhr		
6	7,20	224cm	-7%	11 Uhr	and Treppe ca. 25cm	
7	8,40	227cm	0%	11 Uhr	"	
8	9,60	227cm	+2%	5 Uhr	"	
9	10,80	215cm	+1%	12 Uhr		
10	12,00	215cm	+1%	G		
11	13,20	215cm	+2%	G		
12	14,40	215cm	+1%	G		
13	15,60	216cm	0%	G	Kanal ca. 1,60m	
14	16,80	214cm	+3%	G		
15	18,00	216cm	+1%	G		
16	19,20	213cm	+3%	11 Uhr G		
17	20,40	208cm	+3%	12 Uhr		
18	21,60	204cm	+6%	2 Uhr G		
19	22,80	194cm	+8%	12 Uhr		
20	24,00	192cm	+2%	G		
21	25,20	191cm	+1%	G	Stromkabel ca. 1,30m	
22	26,40	191cm	+5%	G		
23	27,60	189cm	+10%	12 Uhr		
24	28,80	164cm	+10%	11 Uhr		
25	30,00	146cm	+7%	11 Uhr		
26	31,20	128cm	+18%	11 Uhr		
27	32,40	80cm	+24%	10 Uhr		
28	33,60					
29	34,80					
30	36,00					

- 28.5 m drilling for underground laying of a speedpipe
- underneath a water pipe and further external pipes in a depth of 2.8 m sub-drilled obstacles in an S-bend
- pilot hole 2 h
- pipe installation 20 min
- 2.5 h from arriving the construction until departure



## Bohrprotokoll Drill-Vole

Bohrung Nr.: <u>2</u>	Datum: <u>20.10.2020</u>
Auftraggeber: <u>EA Kerstholt</u>	Produkt: <u>Drill Vole</u>
Baustelle: <u>76833 Knieringen</u>	Bohrgerät: <u>Drill Vole</u>
Bauleiter: <u>Simon Lehnert</u>	Gestänge: <u></u>
Bohrpersonal: <u>Leubach / Holmann</u>	Bohrlänge: <u></u>
Bohrrichtung: <u>180° - 150°</u>	abzur. Länge: <u></u>

Stange Nr.	Drill-Vole	Tiefe	Neigung	gebohrt / gesteuert	Anmerkung	Dauer
1	1,20	55cm	-45%	11 Uhr		
2	2,40	113cm	-40%	11 Uhr G		
3	3,60	172cm	-40%	G		
4	4,80	219cm	-32%	12 Uhr G		
5	6,00	257cm	-24%	11 Uhr G	Stromkabel ca. 1,30m	
6	7,20	272cm	-14%	11 Uhr G		
7	8,40	282cm	-1%	11 Uhr G		
8	9,60	286cm	-2%	10 Uhr		
9	10,80	290cm	+1%	11 Uhr		
10	12,00	288cm	+6%	12 Uhr G		
11	13,20	275cm	+7%	G		
12	14,40	268cm	+6%	G		
13	15,60	259	+10%	1 1/2 G		
14	16,80	249	+10	0		
15	18,00	236	+12	1 1/2 G	Kanal bei 2m	
16	19,20	217	+16%	2%	Winkel nach rechts zum Zielpunkt	
17	20,40	200	+14%	3 1/2 Uhr		
18	21,60	180	+20	7 1/2 h		
19	22,80	165	+24	3 1/2 h		
20	24,00	134	+28	1 1/2 h		
21	25,20	109	+28	3 1/2 h		
22	26,40	94	+24	4		
23	27,60	76	+16	1		
24	28,80	65	+20	1		
25	30,00					
26	31,20					
27	32,40					
28	33,60					
29	34,80					
30	36,00					