

ABI 14/17 Leader Rig



Description:

- A complete rig for driving, extracting, pushing and augering. The rig incorporates all control functions for verticality, rotation and position.
- It is fast to erect, (mobilram), and the tracks extend to 4.0m for a stable base unit.
- Weighs 58 tonnes with hammer attached
- It is suitable for all steel sheet pile types, of lengths up to 17.0m long

Benefits:

- Comparatively quiet in operation
- High outputs keeps costs and duration down
- Pre-augering prior to installation reduces vibration and costs by permitting lighter section piles
- 50kN winch enables off loading and self-pitching of piles
- No working at height required
- Relatively low ground borne vibrations
- Various attachments include;
MRZV 20VV Vibratory Hammer
MDBA 4500-2 Auger Motor c/w 400mm Ø diameter flights
HPH 1200 Drop Hammer
ABI Hydro-press, (HPU)



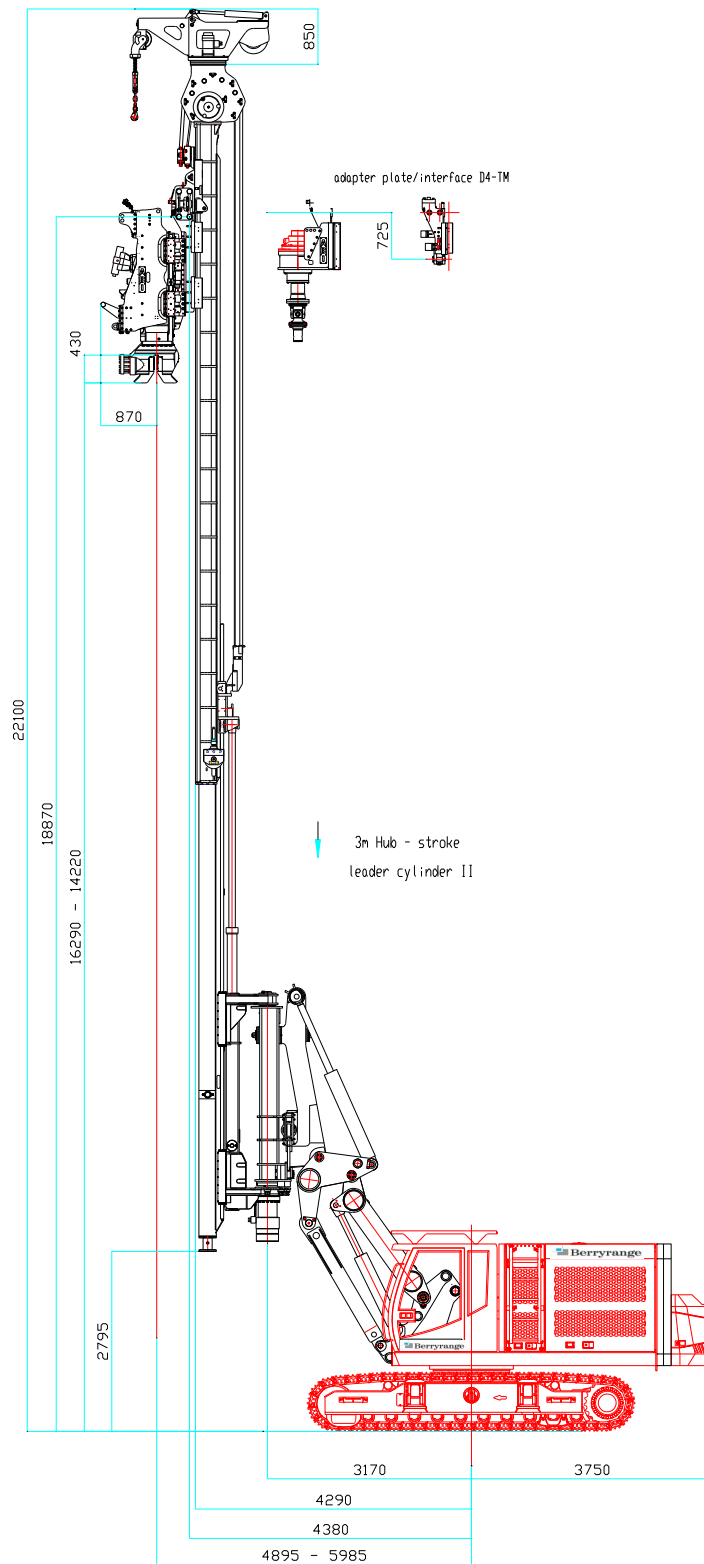
Sheet Piling, Construction
& Professional Design
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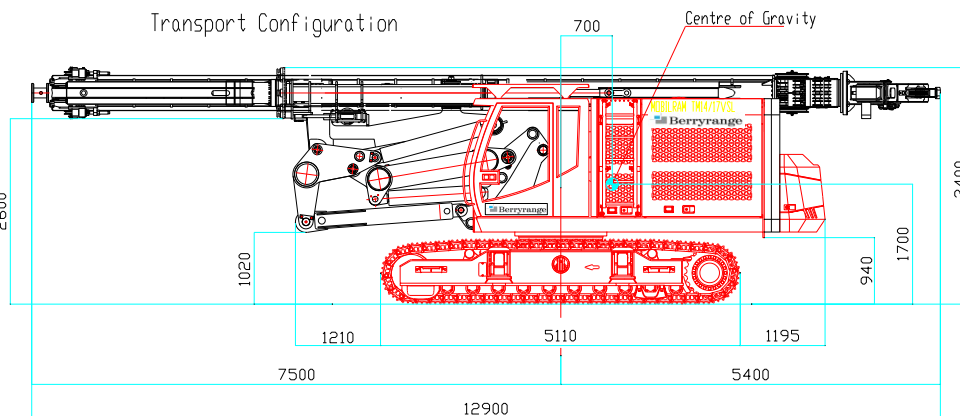
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Transport Configuration



Technical data TM 14/17 VSL

Leader inclination front/rear	degree max.	4/5
Leader inclination laterally	degree max.	4
Leader slewing range	degree max.	+/- 93

Prestressing force leader cylinder	kN max.	120
Extraction force leader cylinder	kN max.	200
Load capacity	kg max.	9000
Torque absorption	daNm	4500

Auxiliary winch		
Lifting capacity	kN max.	50
Rope speed	m/min	35

Weight of piling equipment without attachment depending on carrier unit t approx. 50 - 54

Dimensions TM 14/17 VSL

A	Height min./max.	mm	12175 - 22100
B	Max. height up to rapid changing device	mm	19140
C	Center to guide	mm	4245 - 5330
D	Center to back	mm	3700 - 4000
	Underground lowering depth	mm	2000

Leader mast			
E	Guide width	mm	500
F	Width	mm	50

Transport dimensions			
G	Length	mm	12700
H	Height	mm	3500
K	Width (Standard track shoes width)	mm	3000

Base carrier SR 35 T-E

Engine CAT C18		
Engine power	kW	470
(EU Stage IV, US EPA TIER 4f)		2 x 370
Hydraulic flow rate	l/min	1 x 125, 1 x 200

Nominal oil pressure	MPa	33
Fuel tank capacity	l	810

Hydraulic extendable under carriage		
Pulling force	kN	430
S Track gauge	mm	2300 - 3300
Track shoes width	mm	700*

Optional Hydraulic extendable under carriage		
Pulling force	kN	560
S Track gauge	mm	2200 - 3800*
Track shoes width	mm	700*

1/ Technical data 1

MRZV 20VV		
Static moment	kgm	0-20
Dynamic mass	kg	2810
Nominal revolutions	min ⁻¹	2135
Maximum revolutions	min ⁻¹	2600
Centrifugal force at nominal frequency	kN	1000
Maximum centrifugal force ²	kN	1200
Static extraction force max.	kN	200
Maximum oil pressure	MPa	35
Recommended installed power of carrier approx.	kW	300 - 470
Total weight	kg	4220
Transport weight	kg	4440

