

COLUMN STABILISATION LEADERS

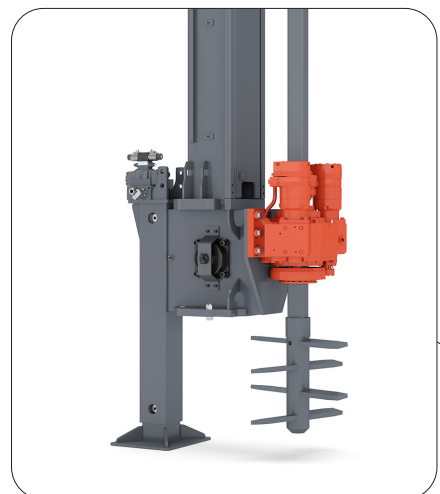
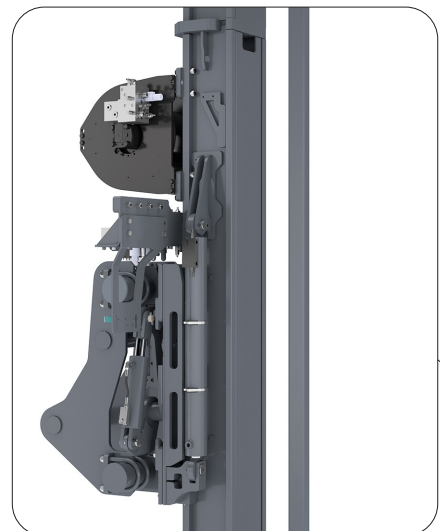
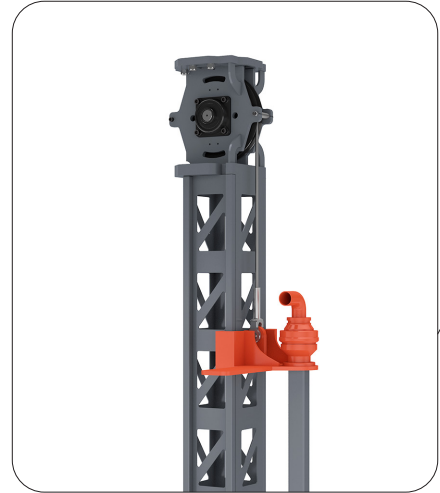
MSL-300

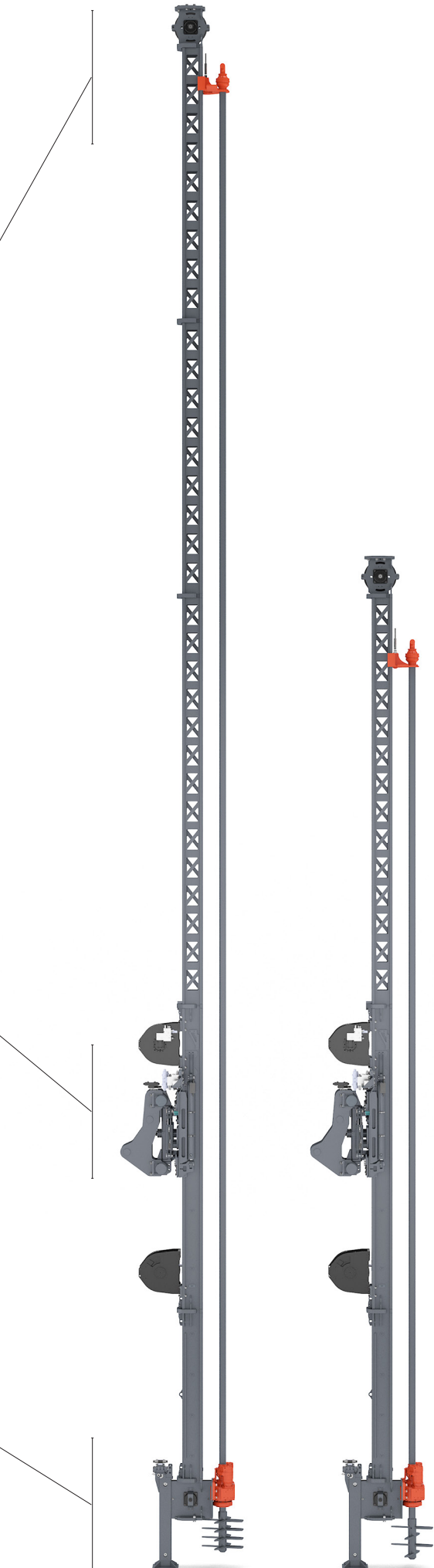
FEATURES

- Excavator mounted stabilisation leader
- The leader and its tooling are designed to work on a standard excavator with normal auxiliary hydraulics; all required hydraulics is integrated into the leader itself
- Maximum depth 20-25 meters depending on excavator size; due to the modular design the leader can be shortened to 12 or 16 meter effective depth
- Column diameters between Ø500–800 mm due to interchangeable mixer tip
- Mixer tip vertical movement is achieved with two hydraulic winches
- Binder feed at the top of the mixing rod to which a rotating joint for the binder hose is integrated.
- Roller mechanism on the rotary drive to apply torque and simultaneously allow feedthrough of the mixing tube
- Integrated rotary drive and telescopic bottom foot at the end of the leader
- Additional support for binder feed hoses and electric cables along the leader

DISCLAIMER

MPL Multi-tool piling leaders are customised solutions. Hence the features and technical data of a specific MPL delivery might differ from the data presented in this catalogue.





TECHNICAL DATA

Column stabilisation leader

Model		MSL-300
Column depth	m	20–25
Column diameter	mm	500–800
Weight (w/o adapter)	kg	6500
Height	m	23–28
Tilt angle	°	+/- 8
Winches		
· number	pcs	2
· pull down/extraction force	kN	57/57
· speed	m/min	0–30

Rotary drive		
Torque	kNm	20
Rotational speed	rpm	180–200
Features/instrumentation		
<ul style="list-style-type: none"> · rotation speed · rotation torque · column depth/ascent rate · driving angle 		

Mixer/mixer tip		
Mixer tip levels	pcs	4
Diameter	mm	500-800, nominal
Binder feed	kg/s	3,0
Compressed air, pressure	bar	10
Compressed air, flow rate	m³/min	6,5
Ascent rate	mm/r	20
Rotational velocity	rpm	180–200
Injection pipe length	m	21,3–26,3
inner diameter	mm	34
Support pipe length	m	21,3–26,3
size / wall thickness	mm	100 x 100 mm square/8 mm

NOTE! Preliminary data.

Detailed technical data to be provided on case by case basis.

Column depth and other technical data dependent on excavator size.