







Flexible and powerful at your service

- Swiveling boom articulation by cylinder on the base machine enables +/- 35°, slide rotation for 4 sectors at 90°, along with the sliding mast operated by cylinder makes the machine able to perform a wide variety of angles and positions.
- Powered by Tier III Cummins Diesel engines
- Range of rotary heads with different torques and speeds to suit the various drilling needs.



Safety First, No Compromise

Complies with the latest international Safety standards.

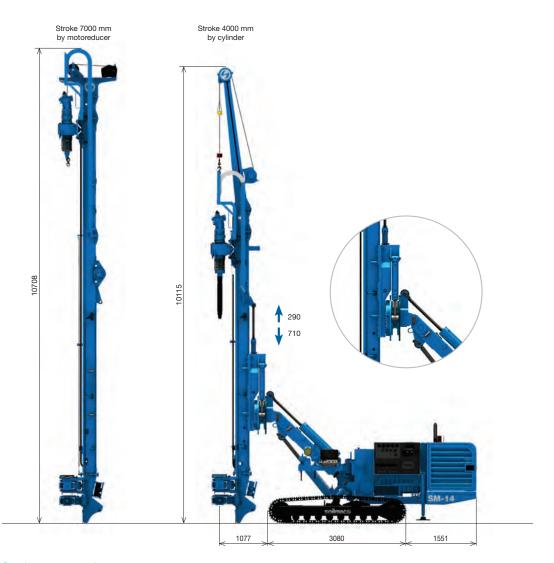
- Hydraulic openable cages
- Additional trip wires devices
- Emergency stop buttons
- ROM and SPM operation modes

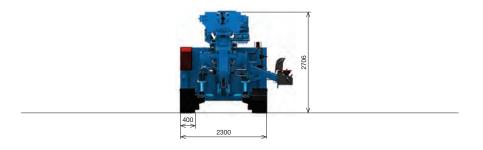


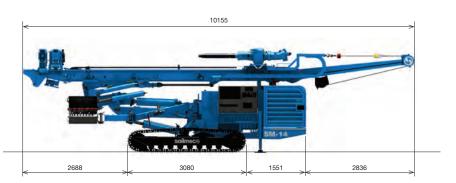
Excellent versatility and increased manoeuvrability

- Modular mast with motoreducer crowd system.
- Hydraulic/proportional panel mounted on pivotal support arm for drilling operations and wired remote control for tramming.
- The rig is fitted with proportional, hydraulic servo-assisted controls that make operations smooth.
- Featured with Load Sensing System, it has lower running costs and a reduced wear and tear on components.

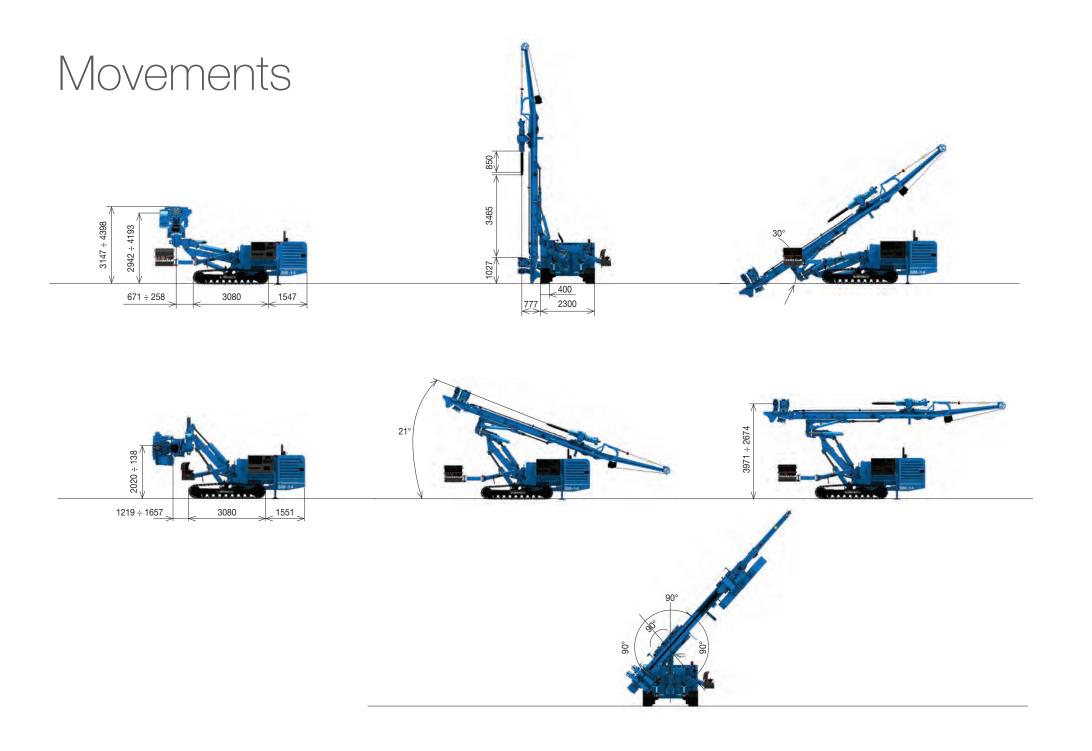
Working Configuration







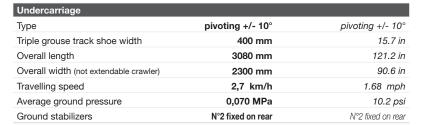
Transport configuration		
Width	2300 mm	91 in
Height	2750 mm	108.3 in
Length (stroke 4000/7000)	10155 / 10424 mm	400 / 410 in
Weight (stroke 4000/7000)	14300 / 15000 mm	31526 / 33069 lb



Technical data

Undercarriage





Diesel







Hydraulic System		
Main pumps: variable axial pumps	156 + 156 l/min	41.2 + 41.2 US gal/min
Auxiliary pumps: gear pumps	20 I/min	5.3 US gal/min
Hydraulic oil tank capacity	400 I	106 US gal









Inner passage

Clamp & Hydraulic joint breaker		
Nominal size	50 - 315 / 60 - 415 mm	1.96 - 12.4 / 2.4 - 16.3 in
Maximum clamping force	268 kN	58798 lbf
Maximum breaking torque	5060 daNm	37321 lbf*ft
Pull-up extractor clamp force/stroke	100 kN / 400 mm	22481 lbf /3.9 in

144 mm

6 in

101,5 mm



Hoist & Feed
System

Service winch		
Туре	Controlled descent	Controlled descent
1°layer line pull	24 kN	5395 lbf
Rope diameter	10 mm	0.39 in
Rope speed	46 m/min	151 ft/min

Hoist & Feed System				
Type	cylinder	cylinder	motoreducer	motoreducer
Feed Stroke	4000 mm	157.5 in	4300-7000 mm	171.3-275.6 in
Max Hoist pull	89 kN	20008 lbf	99 kN	2256 lbf
Max Feed force	45 kN	10116 lbf	99 kN	2256 lbf
Max speed fast/low	28/6 m/min	92/20 ft/min	28/5 m/min	95/16 ft/min

Jet Grouting

JG system		
Max treatment depth in a single passage (c/w mast extensions)	18 m	59 ft
Hydraulic chuck max handing diameter	114 mm	4.5 in in

Configurations

Pivoting undercarriage	•
Upper frame complete with slew ring for 360° rotation	•
Wired remote control for tramming only	•
7" LCD monitor for alarms & diesel engine control and DMS connectivity	•
Hydraulic and proportional controls for all operations	•
Mast extension kits	0
Auxiliary winch, 5 kN (1124 lbf)	•
Extractor device for clamps	0
Clamp & breaker 50-315 mm (1.96 - 12.4 in)	•
Clamp & breaker 60-415 mm (2.4 - 16.3 in)	0
Fixed boom	0
Telescopic boom	•
Kinematic mechanism - 4 sectort	•
Kinematic mechanism - 90° joint	0
Kinematic mechanism - ± 180° motoreducer	0
Diesel engine EU S tage III - US EPA Tier 3	0
Load sensing hydraulic system	•
Hydraulic prearrangement for auxiliary pumps	•
Rotary cradle complete with pads and side shifting movements	•
Floating system for rotary head	•
Air/water system and line lubricator for DTH	•
Foam pump c/w gauge pressure and safety valve	0
Water & mud pumps	0
Centering device	•
Slow rotation kit and special protective mode	•
Hydraulic safety cage kit driven by cylinder	•
Lighting system on mast	0
Washing kit including with hose rewinder & washing lance	0

Fire extinguisher	•
Double rotary kit	0
Jet grouting kit, single fluid	0
Jet grouting kit, double fluid	0
Hydraulic chuck complete with gauge pressure and safety device	0
Extension for jet grouting	0
Fully hydraulic version prearrangement for Jet Grouting	•
Hydraulic pump for foam 30 l/min @ 150 bar (7.9 gallon @ 2176 psi)	0
Triplex pump for water flushing 200 l/min @ 80 bar (52.8 gallon @ 1160 psi)	0
RH24x Top Hammer Kit and prearrangement	0
RH32x Top Hammer Kit and prearrangement	0

