







Flexible and powerful at your service

- Swiveling boom articulation by slew ring on the base machine enables parallel drilling on the tracks up to +/- 90°, slew ring on mast for +/- 180° rotation, along with the sliding mast operated by cylinder makes the machine able to perform a wide variety of angles and positions.
- Powered by the most advanced Stage V Deutz Diesel engines (Stage III version are also available).
- 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.

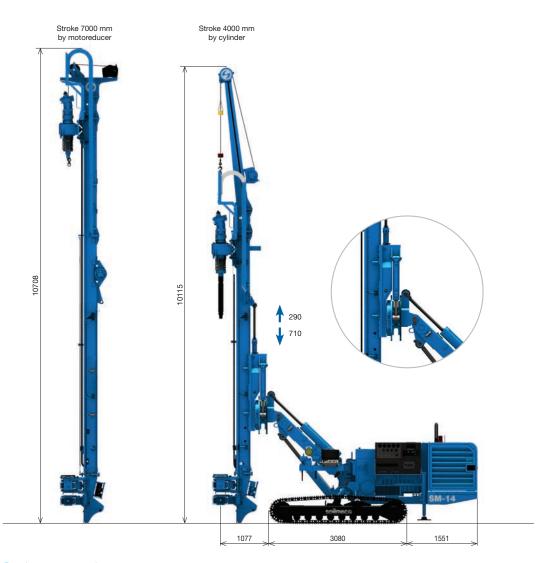
- Hydraulic openable cages
- Additional trip wires devices
- Emergency stop buttons
- ROM and SPM operation modes

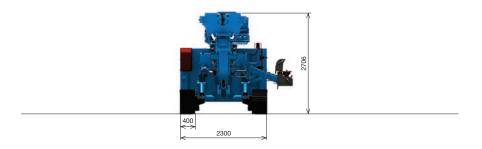


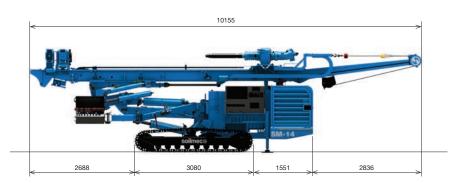
Excellent versatility and increased manoeuvrability

- Modular mast with motoreducer crowd system.
- Radio remote control for drilling, positioning and tramming or hydraulic/proportional panel mounted on pivotal support arm for drilling operations.
- 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.

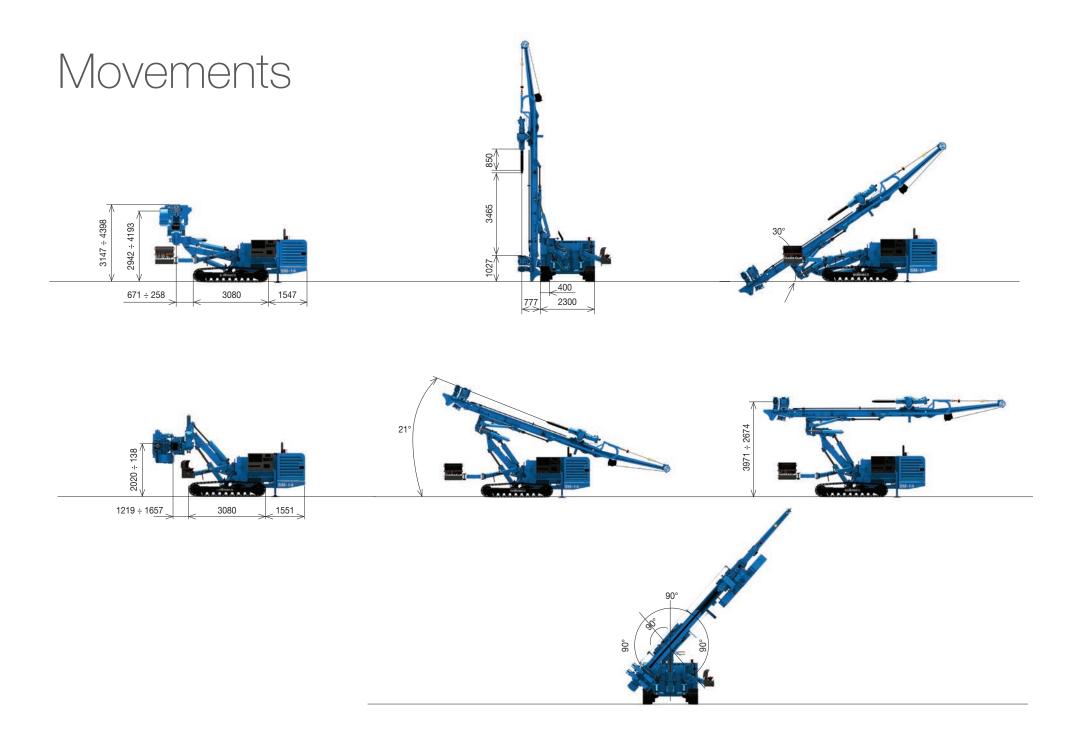
Working Configuration







| 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 / 14600 mm | 31526 32187 lb |



Technical data

Undercarriage





Diesel engine









| Diesel Engine | | |
|-------------------------------------|-------------------------------|-------------------------------|
| Make and model | Cummins QSB 4.5 | Cummins QSB 4.5 |
| Emission certification ¹ | EU stage IV US EPA Tier 4f | EU stage IV US EPA Tier 4f |
| Diesel engine power rating | 110 kW @ 2200 rpm | 159 HP @ 2200 rpm |
| Fuel tank capacity | 200 I | 53 US gal |
| AD Blue tank capacity | -1 | - US gal |

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

| Rotary | HD 1200V | HD 1200 V | HT1400 | HT1400 |
|------------------|-----------|-------------|-----------|--------------|
| Gear box type | Variable | Variable | Variable | Variable |
| Maximum torque | 1210 daNm | 8924 lbf*ft | 1360 daNm | 10031 lbf*ft |
| Maximum rotation | 277 rpm | 277 rpm | 229 rpm | 229 rpm |
| Inner passage | 124 mm | 4.9 in | 124 mm | 4.9 in |

| | HTD 2500G | HTD 2500G | HD 2000 | HD 2000 |
|------------------|-----------|--------------|-----------|--------------|
| Gear box type | 3 speed | 3 speed | Variable | Variable |
| Maximum torque | 2550 daNm | 18807 lbf*ft | 2023 daNm | 14921 lbf*ft |
| Maximum rotation | 52 rpm | 52 rpm | 130 rpm | 130 rpm |
| Inner passage | 101,5 mm | 4 in | 144 mm | 6 in |

| Maximum torque3000 daNm28764 lbf*ftMaximum rotation51 rpm51 rpm | | HT 3400 | HT 3400 |
|---|------------------|-----------|--------------|
| Maximum rotation 51 rpm 51 rpm | Gear box type | 3 Speed | 3 Speed |
| | Maximum torque | 3000 daNm | 28764 lbf*ft |
| Inner passage 134 mm 5 in | Maximum rotation | 51 rpm | 51 rpm |
| | Inner passage | 134 mm | 5 in |

| Clamp |
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Hoist & Feed System

| Clamp & Hydraulic joint breaker | | | | |
|--------------------------------------|-------------------|---------------------|--|--|
| Nominal size | up to 60 - 415 mm | up to 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 | | |

| Service winch | | |
|-------------------|--------------------|--------------------|
| Туре | Controlled descent | Controlled descent |
| 1°layer line pull | 20 kN | 4496 lbf |
| Rope diameter | 10 mm | 0.39 in |
| Rope speed | 46 m/min | 151 ft/min |

| Hoist & Feed System | | | | |
|---------------------|------------|--------------|--------------|----------------|
| Туре | 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 |

Configurations

| Upper frame complete with slew ring for 360° rotation | |
|--|---|
| Wired remote control for tramming only | 0 |
| Full radio remote control | • |
| 7" LCD monitor for alarms & diesel engine control and DMS connectivity | • |
| Hydraulic and proportional controls for all operations | • |
| Mast extension kits | • |
| Auxiliary winch, 5 kN (1124 lbf) | • |
| Clamp & breaker 50-220 mm (1.96 - 8.7 in) | 0 |
| Clamp & breaker 50-320 mm (1.96 - 12.6 in) | • |
| Clamp & breaker 50-360 mm (1.96 - 14.26 in) | 0 |
| Fixed boom | 0 |
| Telescopic boom | • |
| Kinematic mechanism - 90° joint | 0 |
| Kinematic mechanism - ± 180° motoreducer | • |
| Diesel engine EU Stage V - US EPA Tier 4f | • |
| 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 | 0 |
| Air/water system and line lubricator for DTH | 0 |
| Foam pump c/w gauge pressure and safety valve | 0 |
| Water & mud pumps | 0 |
| Centering device | 0 |
| Slow rotation kit and special protective mode | 0 |
| Hydraulic safety cage kit driven by cylinder | 0 |
| Lighting system on mast | 0 |
| Washing kit including with hose rewinder & washing lance | • |
| 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 |

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