

Rotary

Soilmec rotaries are designed and manufactured to meet the need of performance and high production rate on various applications, with the added benefit of increased component life and reliability.

Ease of transport and quick assembly

- Counterweight with a self-handling system (service crane not required).
- Crawlers can be retracted under 3 m wide.

Compact powerful engine

Soilmec installs large displacement engines, providing exceptional performance and reliability.

- High performance, availability and reliability by using tried-and-tested technology with high power-to volume-ratio.
- The modern electronic injection system ensures low fuel consumption and therefore low operating costs.
- Low noise emissions, smooth running characteristics and durability.
- Meets exhaust emission regulations 2004/26/EU, Step III A and US-EPA Tier 3.

DMS control system

DMS is an innovative system, developed by Soilmec, which controls and monitors the operation of the machine. For ease of operation the system is controlled by a touch screen located in the cab. The system main function, is to enable the machine to perform different functions more efficiently.

A dedicated power module electronic control system ensures the main pumps and diesel engine work at their most effective and productive levels.

Ergonomic design

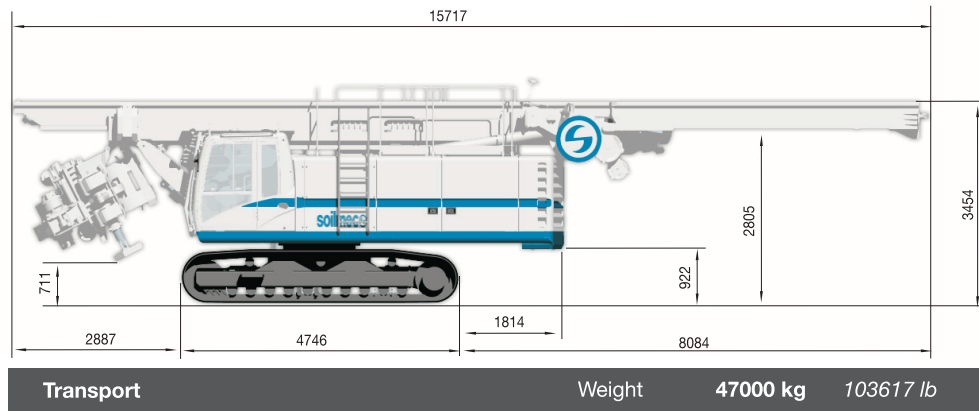
The cab is designed to be spacious, quiet and comfortable for the operator, assuring high productivity throughout the working day. Controls are conveniently located for easy operation.

The Soilmec advantage

- A real multifunctional machine, designed from scratch to give you the chance of any market opportunity .
- Long life expectancy with a high residual value.
- Best price/performance ratio.
- Built with the customer in mind.

All technical data are purely indicative and subject to change without notice

Special edition for Intermat 2012

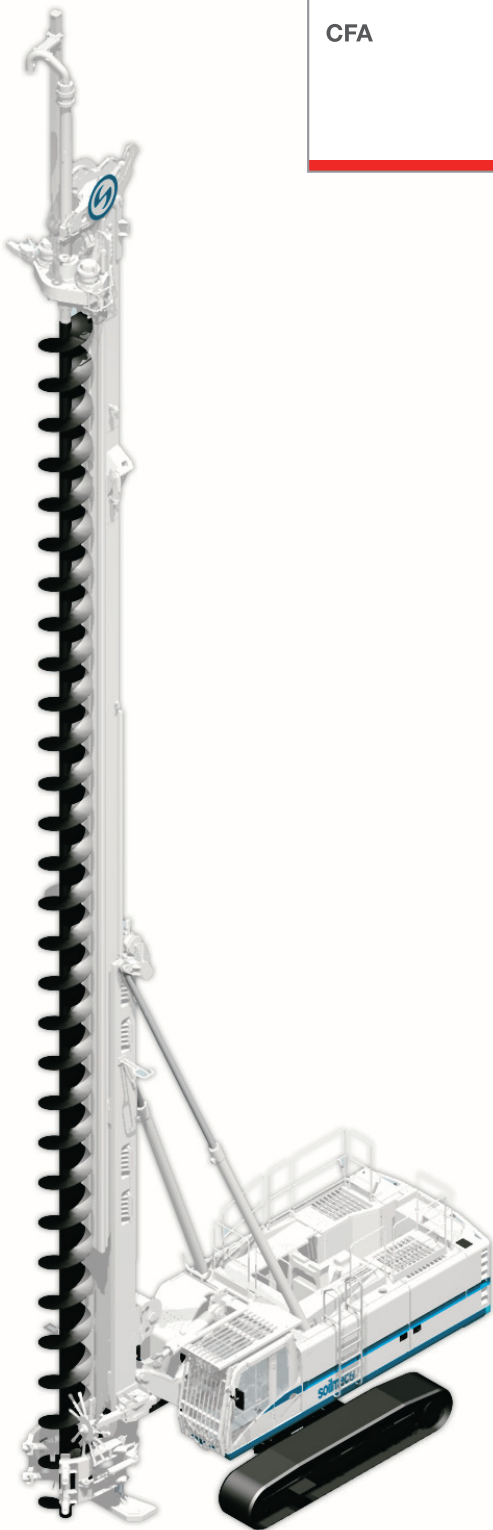


SOILMEC distributes machinery and structures all over the world, supported by SOILMEC subsidiary companies and dealers.
The complete Soilmec network list is available on the webpage www.soilmec.it

www.soilmec.it

soilmec
Drilling and Foundation Equipment

SF-65
CFA



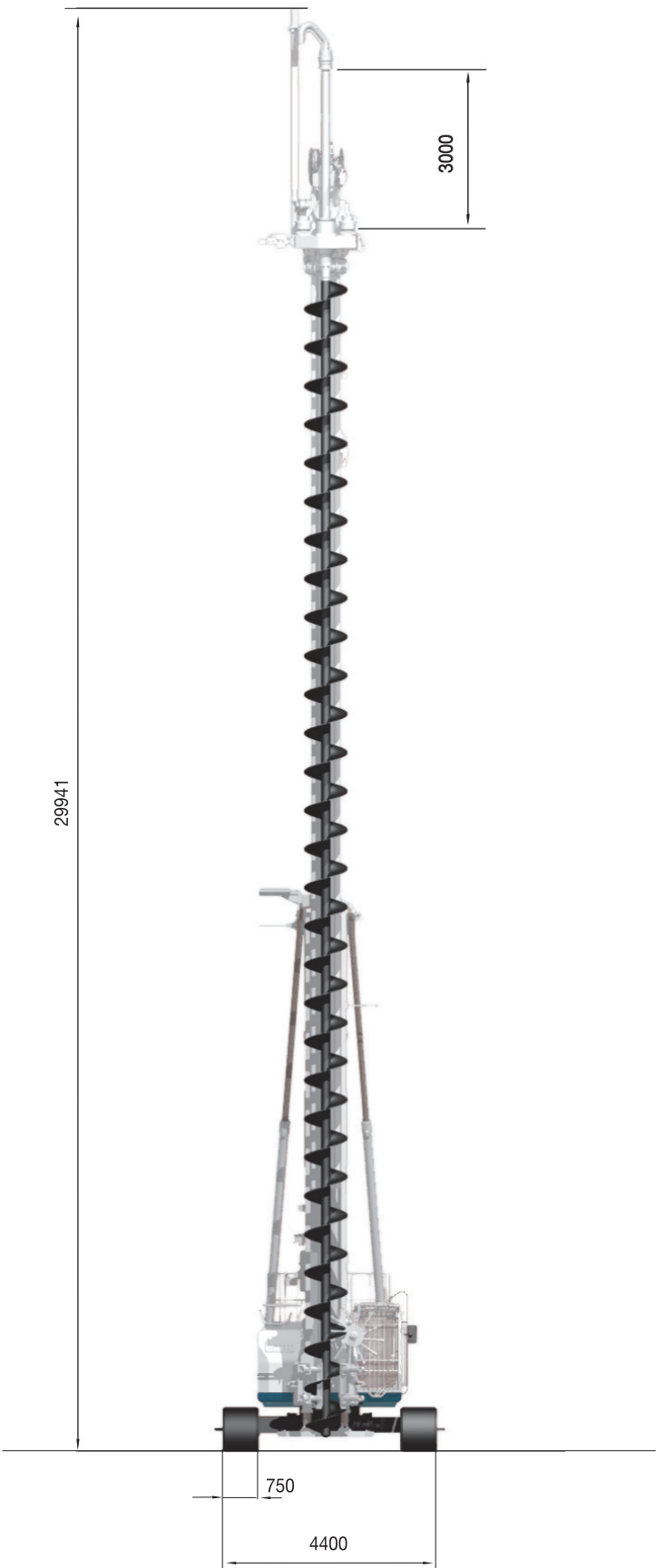
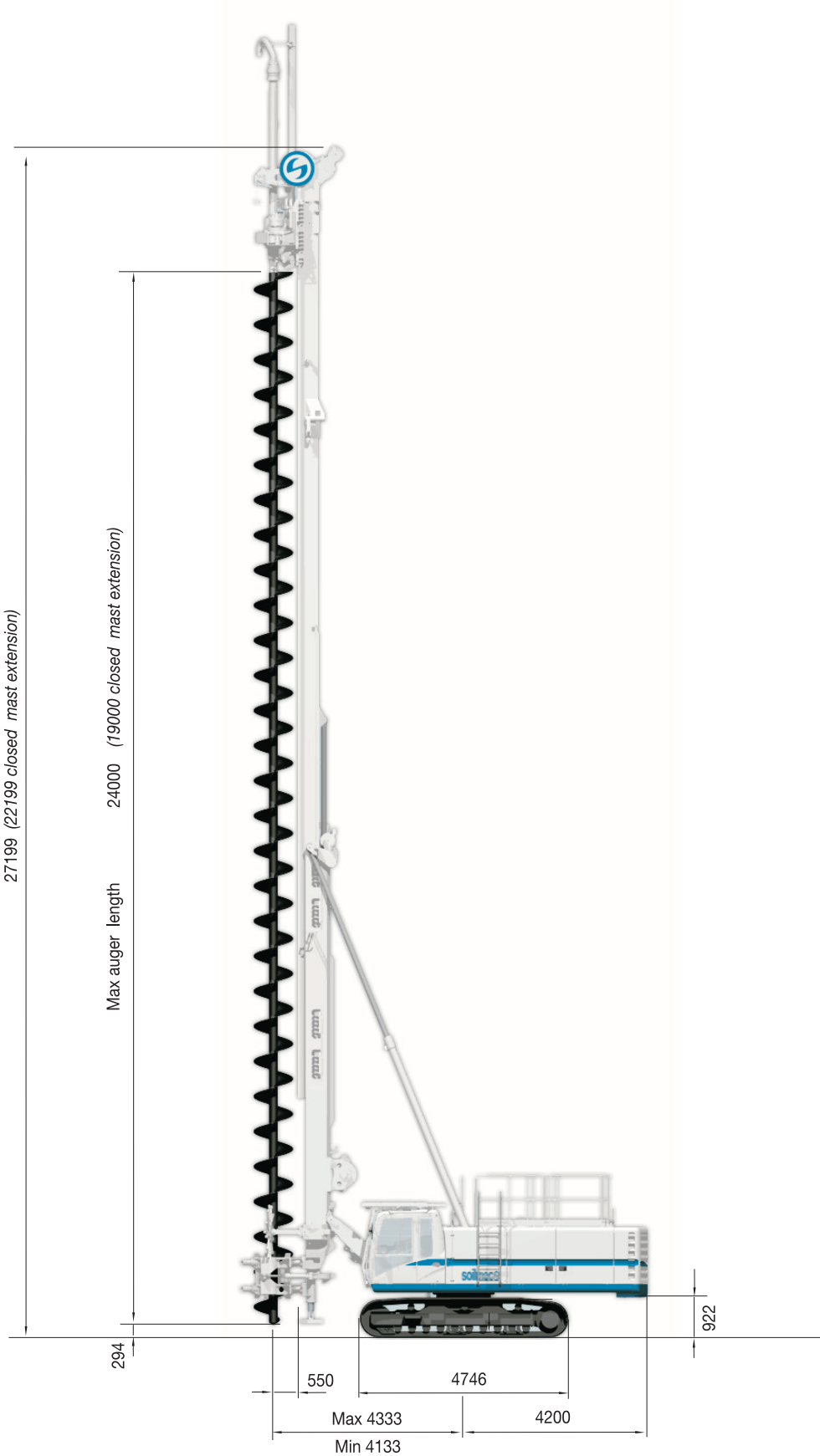
Hydraulic Rotary Rig

SF-65

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APPLICATIONS



TECHNICAL DATA SHEET

version exposed

Overall height fully extended mast	29941 mm	1179 in
Overall height closed mast extension	24941 mm	982 in
Operating weight (approx)	53000 kg	116845 lb
Rotary Drive – Spinn off type		
- Torque (nominal)	155 kNm	114322 lbf*ft
- Speed of rotation (max)	31 rpm	26 rpm
Main winch		
- Line pull (1st layer)	controlled descent 143 kN	controlled descent 32148 lbf
- Rope diameter	22 mm	0.87 in
- Rope lenght	39 m / 79,7 m	128 ft / 261.5 ft
- Line speed (max.)	68 m/min	223 ft/min
Auxiliary winch		
- Line pull (1st layer)	controlled descent 65 kN	controlled descent 14613 lbf
- Rope diameter	18 mm	0.71 in
- Line speed (max.)	67 m/min	220 ft/min
Pull down winch		
- Pull down force	optional 97 kN	optional 21806 lbf
- Rope diameter	16 mm	0.63 in
Continuous Flight Auger		
- Auger cleaner	star type	star type
- Max pile diameter	1000 mm	39.37 in
- Max pile depth w/o auger extension	24 m	79 ft
- Max pile depth with auger extension	27 (24 + 3) m	89 (79 + 10) ft
- Max Extraction force	467 kN	104986 lbf
- Lenght of auger string	24 m	79 ft
Engine		
- Rated output ISO 3046-I	CAT C7 ACERT 205 kW @ 1800 rpm	CAT C7 ACERT 295 HP @ 1800 rpm
- Engine conforms to Exhaust emission Standard	EU stage III / US EPA Tier III and Tier 4i	EU stage III / US EPA Tier III and Tier 4i
- Diesel tank capacity	385 l	102 US gal
- Sound pressure level in cabin (EN791 Annex A)	75 dB (A)	75 dB (A)
- Sound power level (2000/14EG u. EN791, Annex A)	106 dB (A)	106 dB (A)
Hydraulic system		
- Main pump	468 l/min	85 US gal/min
- Working pressure	32 MPa	4641 psi
Undercarriage (retractable crawler frames)		
- Track shoes width	750 mm	30 in
- Overall width of crawlers retracted	2980 mm	117 in
- Overall width of crawlers extended	4440 mm	175 in
- Overall length of crawlers	4730 mm	186 in
- Traction force	294 kN	66094 lbf
- Travel speed	1,9 km/h	1.2 mph

* Soilmec integrates high quality level components: Berco, Rexroth, Trasmital.