
Soilmec

soilmec[®]
Drilling and Foundation Equipment

Product Line



Microdrilling

micropiles, anchors, water wells,
soil investigation and jet grouting

Soilmec, leader in the ground engineering field since 1969.

Soilmec, leader in the ground engineering field since 1969. Since its inception, Soilmec has always developed safe, innovative, cutting-edge technologies supplying the construction industry with a full spectrum of equipment solutions.

Soilmec equipment is used every day on jobsites all around the world for the construction of bridges, viaducts, motorways, tunnels, underground lines, railways, industrial plants, ports and buildings. Thanks to a broad, constantly upgraded and improved range of products and a greatly increased production capacity, Soilmec is a leading light of the ground engineering industry worldwide.

Soilmec has 8 manufacturing facilities (Italy, USA, Brazil, China, Dubai and India) and an extensive distribution network of dealers and branches in more than 60 countries that ensure a vast coverage and representation.

Soilmec - The world is our home

From South America to the Far East and Australia, from Africa to Iceland: a Soilmec machine is working in more than 90 countries throughout the 5 continents, even in this moment. Over 90% of Soilmec turnover comes from exports. Every day, Soilmec equipment works in all types of soil and climate conditions, social contexts, languages and cultures. With its robust design, Soilmec equipment can work from desert to arctic regions. The day-by-day use in worldwide jobsites makes it possible to assess the effectiveness of the technical solutions developed by Soilmec.

Soilmec Vision - Deeply rooted in providing engineering solutions

Soilmec, a community able to develop the most advanced technologies thanks to its deep roots in the ground engineering field.

Quality

In 1990 Soilmec was awarded the UNI EN ISO 9001 certification, which reflects our commitment to supplying high-end products.

Safety

At Soilmec, we are constantly and daily committed to maintaining the highest standards to safeguard the health and safety of our employees and customers.

Environment

In 1997 Soilmec was awarded the ISO 14001 certification, which demonstrates our serious commitment to protecting the environment.



SM Series

Hydraulic drilling rig designed to perform:
micropiles, anchors, top hammer, vibratory,
water wells, soil investigation and consolidations
with jet grouting

- Wide range of technologies kit - Top hammer, jet grouting, anchors, CFA, DTH, double rotary and coring.
- Large range of pumps - water, foam, mud.
- Large range of attachments - Rod carousel, extractor device, rotary heads, modular mast, safety cage.
- All the rig can be equipped with CE kit in compliance at EN-16228 European Standards



Model	SM-4	SM-5	SM-9	SM-10	SM-14	SM-17
Weight (approx.)	6.4 t	5.5 t	9.5 t	12.5 t	15 t	19 t
Diesel engine	Deutz TCD 2013, Tier 3A*	Deutz TCD 2013, Tier 3A	Deutz TCD 2013, Tier 3A	Deutz TCD 2013, Tier 3A	Deutz TCD 2013, Tier 3A	Deutz TCD 2013, Tier 3A
	Deutz TCD 4.1, Tier 4i		Deutz TCD 4.1, Tier 4i	Cummins QSB 4.5, Tier 4i	Cummins QSB 4.5, Tier 4i	Deutz TCD 4.1, Tier 4i
Rated power	115 kW	71 kW	105 kW	116 kW	119 kW	160 kW
Max torque	3350 daNm	920 daNm	1700 daNm	1360 daNm	2083 daNm	3660 daNm
Feed stroke	2500 mm	1400-3400 mm **	2200-3800 mm	2100-4000 mm	4000-7000 mm	4800-6400-9800 mm
Max hoist pull/feed force	70/46 kN	50/50 kN	60/60 kN	80/52 kN	89/45 kN	145/80 kN
Clamp assembly	50-320 mm	50-220 mm	60-320 mm	60-320 mm	60-415 mm	60-415 mm
Max clamping force	141 kN	140 kN	180 kN	200 kN	266 kN	266 kN
Max breaking torque	4000 daNm	3000 daNm	2700 daNm	6100 daNm	5060 daNm	5060 daNm
JG -Max treatment depth in single passage	-	7 m	12 m	12 m	18.1 m	20 m
Transport length	4300 mm	4595 mm	6800 mm	7700 mm	10165 mm	11165 mm

*electric engine available ** 1400-1900-2400-3400 mm



Model	SM-18	SM-20	SM-22	SM-28
Weight (approx.)	19.5 t	22.5 t	21.6 t	37 t
Diesel engine	Deutz TCD2013 L06 2V	Cummins QSB 6.7 Tier 4F *	Deutz TCD2013 L06 2V	Cummins QSB 6.7
Rated power	176 kW	201 kW	176 kW	194 kW
Max torque	3660 daNm	4200 daNm	3660 daNm	4500 daNm
Feed stroke	4400-9800 mm **	7200-10200 mm	4800-7000 mm	13600-16000 mm
Max hoist pull/feed force	113/113 kN	100/100 kN	140/80 kN	175/87 kN
Clamp assembly	50-415 mm	60-510 mm	50-415 mm	60-430 mm
Max clamping force	266 kN	240 kN	266 kN	280 kN
Max breaking torque	5060 daNm	7900 daNm	5060 daNm	8800 daNm
JG -Max treatment depth in single passage	20 m	24 m	20 m	34 m
Transport length	10970 mm	10600 mm	10533 mm	13100 mm

*electric engine available

SM-G Series

Hydraulic drilling rig specially equipped for soil investigation technology

- Prearrangement for SPT device (Standard Penetration Test)
- Large range of pumps - water, foam, mud.
- Large range of attachments - Wire line winch, clamp and breaker assemblies, rotary heads, radio remote control, safety cage.
- All the rig can be equipped with CE kit in compliance at EN-16228 European Standards



Model	SM-5G	SM-8G	SM-16G
Weight (approx.)	5.3 t	8.9 t	16 t
Diesel engine	Deutz TCD2011, Tier 3A	Deutz TCD2011, Tier 3A	Deutz TCD2011, Tier 3A
Rated power	72 kW	85 kW	176 kW
Max torque	700 daNm	820 daNm	1330 daNm
Max drilling speed	860 rpm	926 rpm	1000 rpm
Feed stroke	3700 mm	3800 mm	4000 mm
Max hoist pull/feed force	60/45 kN	100/74 kN	195/130 kN
Clamp assembly	50-220 mm	60-260 mm	60-320 mm
Max clamping force	140 kN	125 kN	240 kN
Max breaking torque	3000 daNm	4100 daNm	11500 daNm
Transport length	5580 mm	6090 mm	8932 mm

SM-GT Series

Hydraulic drilling rig specially equipped for soil geothermal applications

- Large range of attachments - Diverter for mud flushing, clamp and breaker assemblies, rotary heads with floating system, radio remote control, safety cage.
- Large range of pumps - water, foam, mud.
- Krupp and Eurodrill double head kit.
- All the rig can be equipped with CE kit in compliance at EN-16228 European Standards



Model	SM-10GT	SM-16GT
Weight (approx.)	13 t	16 t
Diesel engine	Cummins QSB4.5	Deutz TCD2013 L06 2V
Rated power	123 kW	176 kW
Upper rotary - max torque	870 daNm	1100 daNm
Lower rotary - max torque	2370 daNm	3200 daNm
Feed stroke	4000 mm	4000 mm
Max hoist pull/feed force	130/70 kN	195/130 kN
Clamp assembly	60-320 mm	60-320 mm
Max clamping force	200 kN	240 kN
Max breaking torque	5000 daNm	11500 daNm
Transport length	8600 mm	10360 mm

Blue is the color of the clear horizon, shining with innovation.
Blue is the color of excellence.
Blue is the color of our new equipment,
designed for the future, ready today.



soilmec.com
www.soilmeccolombia.com

Contacto:
info@soilmeccolombia.com
c.panesso@soilmeccolombia.com
Tel: +57.1.6360990
Cel: +57.320.846.6022
Bogotá - COLOMBIA

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