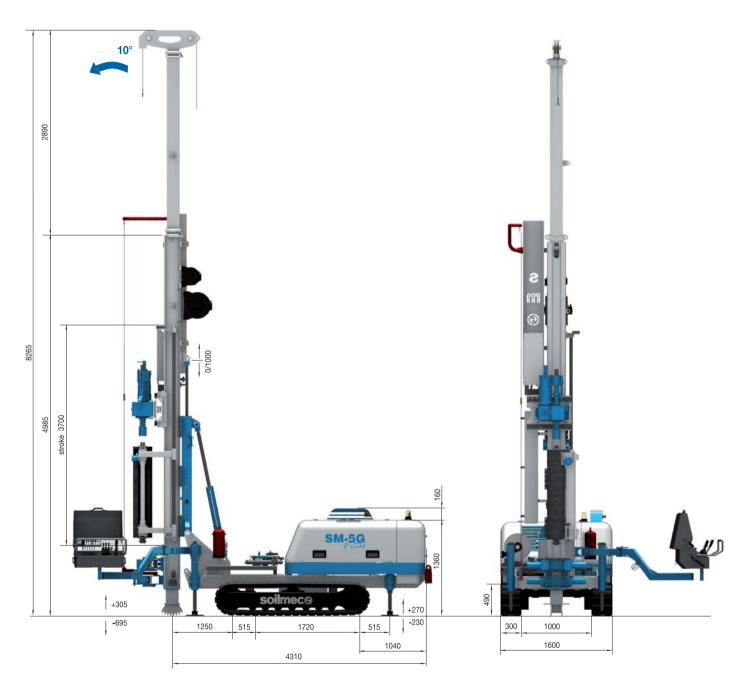
Hydraulic Microdrilling Rig SM-5G





Hoist & Feed system	СуІ	inder	
- Feed stroke	3700 mm	145.7 in	
- Rod lenght type (c/w one rotary head)	3 m	9.8 ft	
- Max hoist pull/feed force	60 / 36 kN	13488 / 8093 lbf	

Rotary head range	HR7G	HR7G	HR6G	HR6G	
- Gear box type	6 gears	6 gears	4 gears	4 gears	
- Max torque	700 daNm	5163 lbf*ft	600 daNm	4425 lbf*ft	
- Max drilling speed	860 rpm	860 rpm	311 rpm	311 rpm	
- Inner passage	66 mm	2.6 in	66 mm	2.6 in	

SM-5G TECHNICAL DATA SHEET

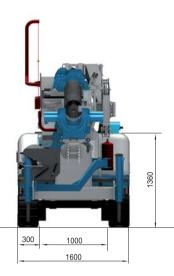
Operating weight (approx.)	5100 kg	11244 /
Undercarriage		
- Track shoe width	300 mm	11.8 i
- Wheel base (centre idler to centre sprocket)	1705 mm	67.1 i
- Overall length	2200 mm	86.6
- Overall width (not extendable crawler)	1600 mm	63 .
- Travelling speed	1,79 km/h	1.11 mp
- Max climbing capacity (gradeability)	34 % (19°)	34 % (19
- Average ground pressure	0,054 MPa	7.8 p
- Ground stabilizers	n° 2 fixed with inclined arm on front + n° 2 fixed on rear	n° 2 fixed with inclined arm on front + n° 2 fixed on re
Power pack		
- Diesel Engine make and model	DEUTZ TCD 2011 L04W tier III	DEUTZ TCD 2011 L04W tier
- Emission certification	EU 97/68 - 2004/06 Step IIIA	EU 97/68 - 2004/06 Step II
- Diesel Engine power rating	71,2 kW @ 2300 rpm	95 HP @ 2300 rp
- Fuel tank capacity	75 I	20 US g
- Sound power level and sound pressure level	LwA 105 - LpA 74 dB(A)	LwA 105 - LpA 74 dB
Hydraulic system		
- Main pumps: variable axial pumps	145 l/min	38 US gal/n
- Set pressure main pumps	26 MPa	ر 3771
- Auxiliary pumps: gear pumps	78 + 37 + 32 l/min	20.6 + 9.8 + 8.5 US gal/n
- Hydraulic oil tank capacity	230	61 US g
Clamp & hydraulic joint breaker		
- Nominal size	50 - 220 mm	2 - 8.7
- Maximum clamping force	140 kN	31473
- Maximum breaking torque	3000 daNm	22127 lb1
Service winch		
- Type	controlled descent	controlled desce
- 1st layer line pull	20 kN	4496
- 1st layer nominal rope speed	51 m/min	167 ft/m
- Rope diameter	10 mm	0.39
Rod carousel		
- N. of rods	3	
- Rod diameter	114 mm	4.5
- Rod length	3000 mm	118.1
Wire line winch for geotechnical application		
- Max depth for coring	150 m	492.1

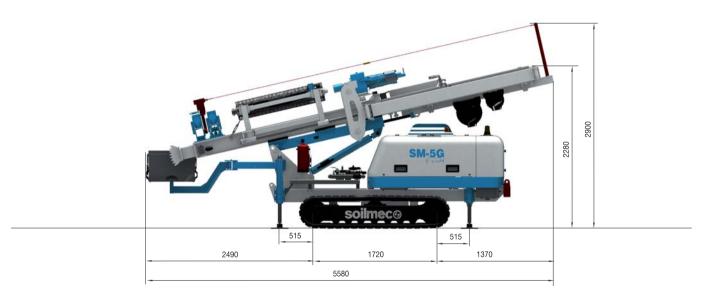
STANDARD EQUIPMENT

- Heavy duty mast for 3700 mm stroke
- Clamp and breaker 50-220 mm
- Fixed kinematic mechanism
- Pneumatic inline DTH lubricator
- Hydraulic control board for drilling operations
- Cable remote control for tramming
- Rotary cradle side shifting
- Service winch
- Triplex pump for foam

OPTIONAL EQUIPMENT

- Wire line winch on board
- Triplex pump for mud and water on board
- SPT device
- Wide range of rotary heads
- Top hammer kit





Transport configuration		
Transport width	1600 mm	63 in
Transport height	2900 mm	114.2 in
Transport length	5580 mm	220 in
Transport weight	5350 kg	11795 lb

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