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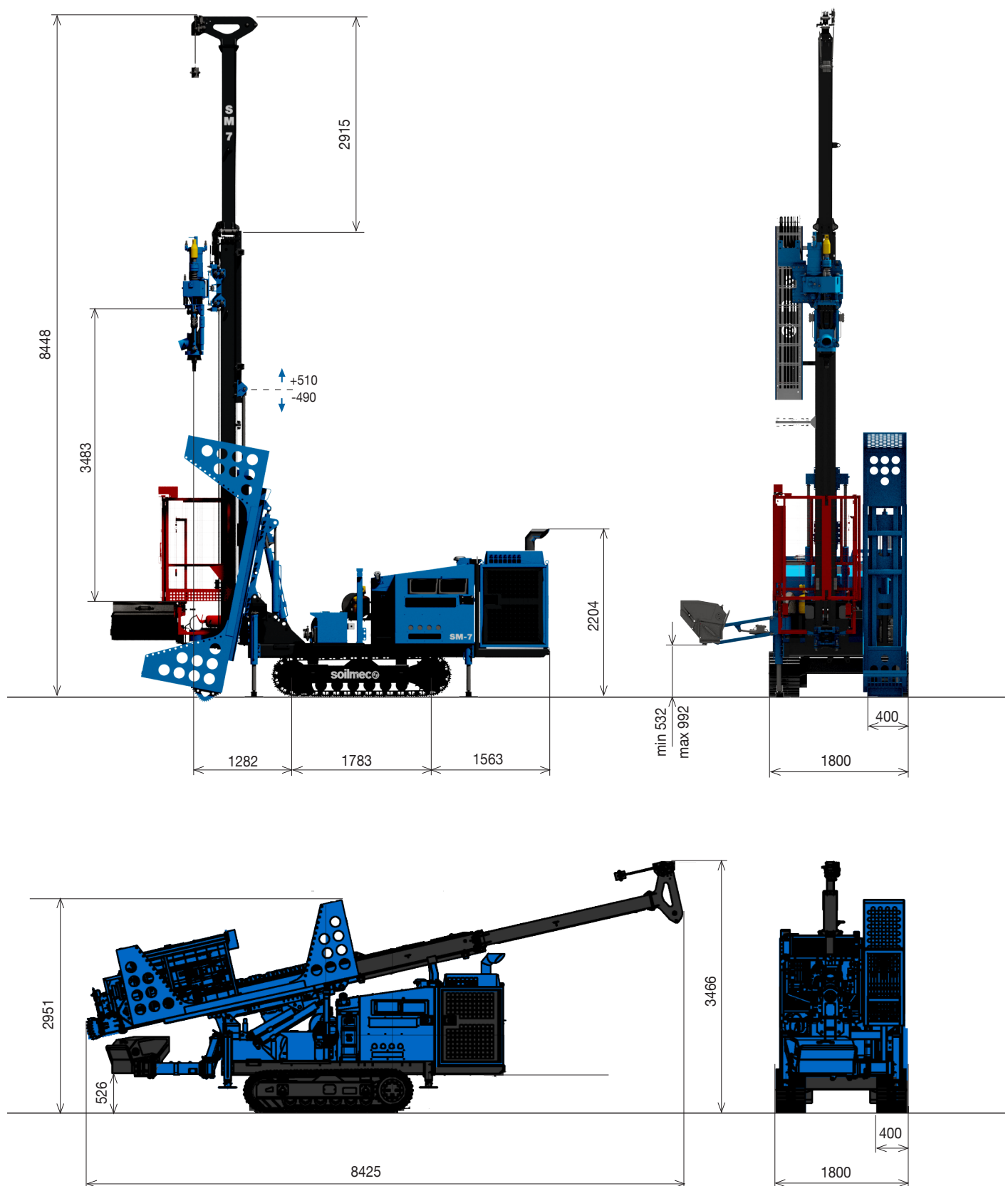


SM-7G

Microdrilling Rig

soilmecc 

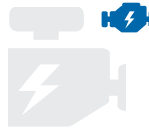
SM-7G



Technical data



Undercarriage		
Triple grouse track shoe width	300 / 400 mm	12 / 16 in
Overall length	2303 mm	91 in
Overall width	1700 / 1800 mm	67 / 71 in
Ground stabilizers	N°2 fixed on front + N°2 fixed on rear	



Diesel engine		
Diesel engine	Cummins F3.8	
Emission certification	EU stage V - US EPA tier 4f	
Diesel engine power rating	110 kW @ 2200 rpm	147 HP @ 2200 rpm
Fuel tank capacity	120 l	32 US gal



Hydraulic system		
Main pumps: variable axial pumps	290 l/min	77 gal/min
Auxiliary pumps: gear pumps	32 l/min	8 gal/min
Hydraulic oil tank capacity	210 l	55 US gal



Hoist & Feed system		
Feed Stroke	3700 mm	146 in
Hoist pull	98 kN	22031 lbf
Feed force	63 kN	14163 lbf



Clamp & hydraulic joint breaker		
Nominal size	50 - 220 / 320 / 360 mm	2 - 9 / 13 / 14 in
Maximum clamping force	141 kN	31698 lbf
Maximum breaking torque	4111 daNm	30321 lbf*ft



Diverter head		
Stroke	300 mm	12 in
Feed force	30 kN	6744 lbf



Rotary head		
Gear box type	700 daNm	5163 lbf*ft
Maximum torque	862 rpm	862 rpm
Gear box type	1570 daNm	11580 lbf*ft
Maximum torque	145 rpm	145 rpm



Service winch	40 m	131,2 ft
1 st layer line pull	11 kN	2473 lbf
Wire line winch*	254 m	833 ft
1 st layer line pull	8 kN	1798 lbf

* 302 m (991 ft) type available on demand



Rod carousel		
N° of rods (rod reference ø 76 mm / 3 in)	61 / 98	61 / 98
Rod length	3000 mm	118 in

Transport

Transport data		
Transport width	1700 - 1800 mm	3748 - 3968 lb
Transport height	2608 mm	102,7 in
Transport length	5809 mm	228,7 in
Transport weight (min-max)	7800 - 11500 mm	17196 - 25353 lb