



SMW (Soil Mixed Wall) Solution



Equipment Specifications RG 15T



Technical Data: Rotary Drives

Type	RH1400/1000
Manufacturer	EURODRILL
Flow rate	150 l/min
Operating pressure	200 bar

2 Rotary drives (outer)	RH 1400
Speed (max)	28 rpm
Torque	23.7 kNm
Number of motors (per rotary drive)	3

1 Rotary drive (central)	RH 1000
Speed (max)	88 rpm
Torque	10 kNm
Number of motors (per rotary drive)	2

Technical Data

Base machine	RG 15T
Overall height	19,95 m
Ground push	120 kN
Ground pull	150 kN

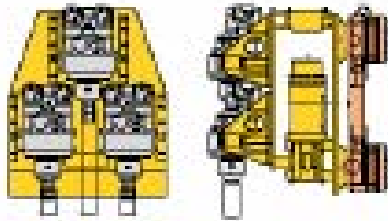
Undercarriage	UWR 35
Track width	2.400 mm

Engine	Deutz BF8M 1015C
Installed power	305 kW

Total operating weight	53 tons approx.
Drilling depth	14,0 m (w/o vertical support) 11,5 m (with vertical support)

Mixing tool sections	Length 1.000 mm Diameter 370 mm
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Equipment Specifications BG 18H



The three rotary drives c/w mounting plate can be swivelled by $\pm 45^\circ$ about the vertical drill axis.

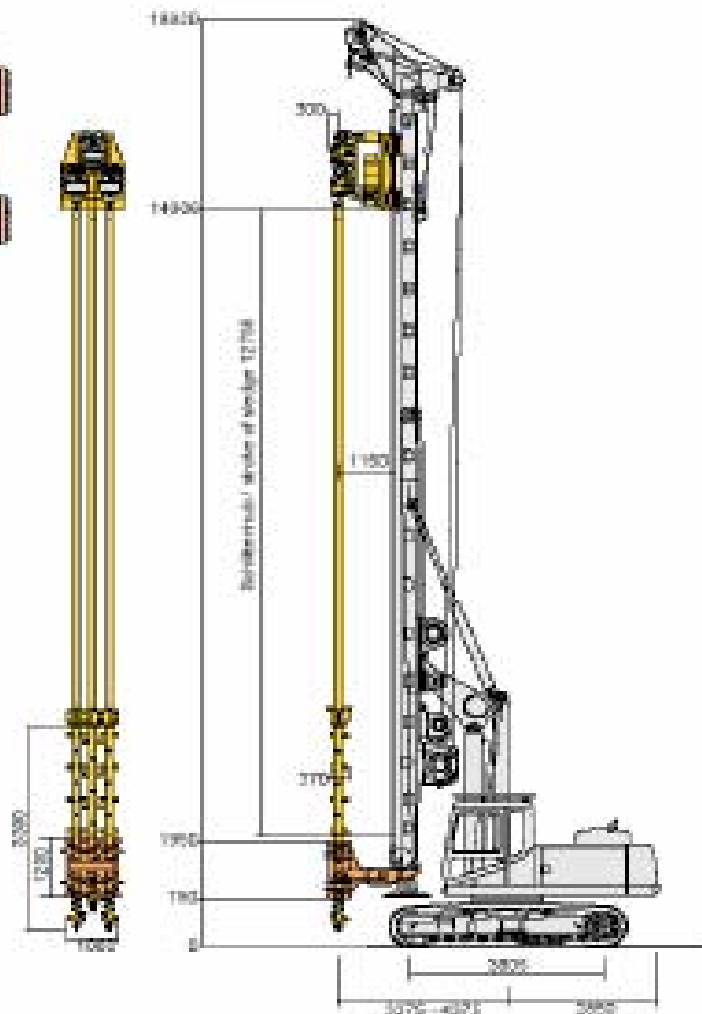
Drill Flats
Dia 127 mm

Intermediate guide

Mixing paddles

Bottom guides

3 Starter augers



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Speed (max)	88 rpm
Torque	10 kNm
Number of motors (per rotary drive)	2

Technical Data

Base machine	BG 18 H (CAT 322)
Overall height	18,900 m
Crowd winch	100 kN
Crowd force	200 kN

Main winch	130 kN (drilling mode)
Auxiliary winch	55 kN (drilling mode)

Undercarriage	UW 53
Track width	2,300 - 3,500 mm

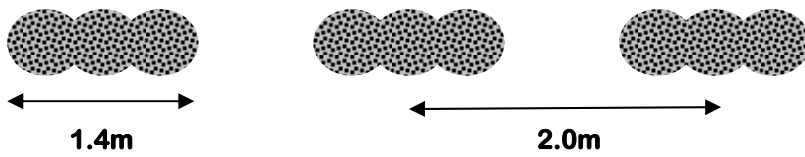
Engine	CAT 3126 DITA
Installed power	171 kW

Total operating weight	48 to approx.
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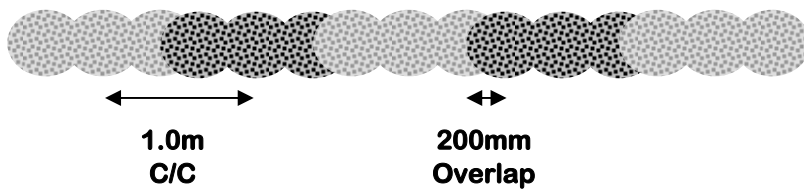
Drilling depth	11.50 m
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Mixing tool sections	Length 1,000 mm Diameter 370 mm
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Installation Lay Out of Triple Auger Soil Mixed Wall



1st phase of installation. Columns are installed at 2.0m centres. Verticality is maintained with the two on board Inclinerometers



2nd phase of installation. Columns are installed in-between the initial columns before the columns solidify in order to maintain continuous wall with out any Joints

Installation of walls are generally best carried out from within a shallow lead trench in order to manage the 5% bulking of the mixed material and prevent it from flowing over the working area.





Soil Mixed Retaining Wall - Putney

Site Setup for standard soil mixing operation



- 1- Batching Plant built into 10m container with centrifugal mixing pan, agitator, compressor, screw pump and computer for controlling and recording mixes and usage.
- 2- 80000liter water tank with float control.
- 3- Silos with electronic screw feeders
- 4- 150Kva Generator
- 5- 50mm delivery hose runs to mixing rig.



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