



SR-65

BLUE TECH 

soilmec 

Built for high-performance casing operations

- Maximize productivity in the most demanding jobs
- When performance matters, SR-65 is designed to deliver where others reach their limits.
- From high torque to powerful extraction force, every component is engineered to handle larger diameters, deeper piles and tougher ground conditions.

Less handling. More productivity.

- Long casing elements reduce handling time and streamline operations on site, allowing faster execution and optimized workflows.

More torque. More capacity.

- High rotary torque delivers the power needed to drill deeper and construct larger piles, even in challenging soil conditions.

Strong extraction force. Full control.

- Outstanding pull-up force ensures reliable casing extraction, improving efficiency and enabling consistent performance in heavy-duty applications.

Faster drilling cycles

- Optimized system design accelerates drilling and discharging phases, reducing cycle times and increasing overall jobsite productivity.



More performance
on site means
more results per project.



More jobs. Less time. One rig.

- Maximize uptime, minimize complexity
- In today's job sites, productivity is not only about drilling performance.
- It's about how fast you move, adapt and start again.
- SR-65 is designed to reduce downtime at every stage - transport, setup and configuration - turning flexibility into a real competitive advantage.

Fast mobilization

- Ready to drill in less than 30 minutes from arrival on site, minimizing downtime and accelerating project start-up.

Single-load transport

- Compact and optimized for transport in a single load, simplifying logistics and reducing operational costs.

Fast configuration changes

- Plug & Play kits and Quick Change systems enable rapid conversion between technologies, reducing setup time and increasing operational efficiency.

More mobility between jobs.
More flexibility on site.
More productivity overall.

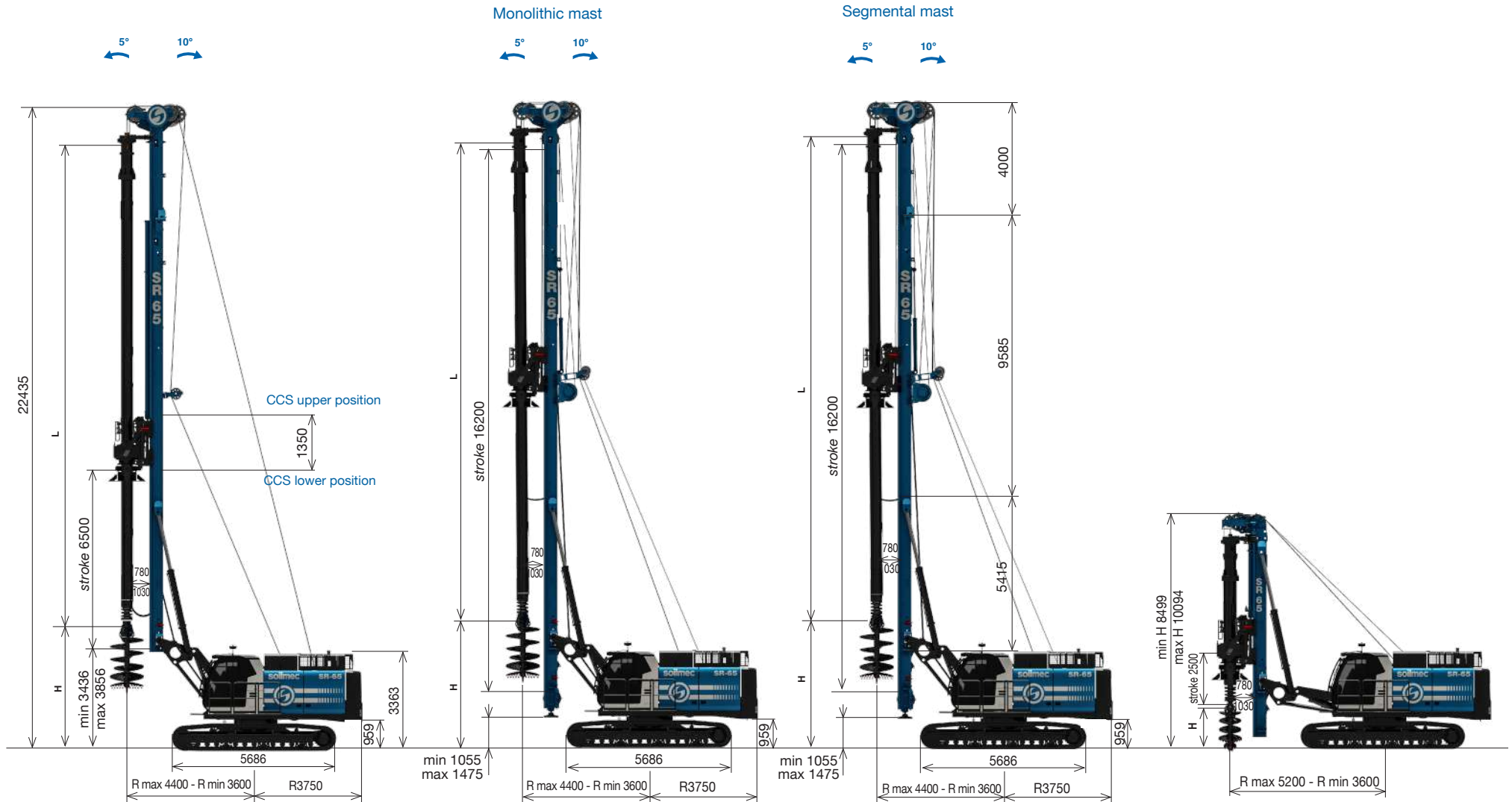


Large Diameter Piles

Cylinder Crowd System

Winch Crowd System

Low Head Room



LDP - Large Diameter Piles - CCS version		
Operating weight w/o kelly bar ¹⁻⁶	56500 kg	124560 lb
Max pile diameter (tool along the mast)	1500 mm	59 in
Max pile diameter c/w increased drilling axis ² (tool along the mast)	2000 mm	79 in
Max pile diameter w/o lower mast section (tool along the mast)	3000 mm	118 in
Working radius ³	3600 - 4400 mm	142 - 173 in
Tail swing radius	3750 mm	148 in
Max pile depth - friction kelly	77,9 m	256 ft
Max pile depth - locking kelly	62,5 m	205 ft

LDP - Large Diameter Piles - WCS version		
Operating weight w/o kelly bar ¹⁻⁷	58700 kg	129410 lb
Max pile diameter (tool along the mast)	1400 mm	55 in
Max pile diameter c/w increased drilling axis ² (tool along the mast)	1900 mm	75 in
Max pile diameter w/o lower mast section (tool along the mast)	3000 mm	118 in
Working radius ³	3600 - 4400 mm	142 - 173 in
Tail swing radius	3750 mm	148 in
Max pile depth - friction kelly	77,7 m	255 ft
Max pile depth - locking kelly	62,3 m	204 ft

LHR - Large Diameter Piles - CCS version		
Operating weight w/o kelly bar ⁴	52450 kg	115632 lb
Min / Max operating height ⁵	8,5 / 10 m	28 / 33 ft
Cylinder crowd system stroke	2500 mm	98 in
Crowd force pull (down/up)	140 / 280 kN	31473 / 62945 lbf
Max pile diameter along mast	1500 mm	59 in
Max pile diameter c/w increased drilling axis along mast	2000 mm	79 in
Max pile diameter w/o lower mast section, tool below mast	3000 mm	118 in

¹ Complete with engine Stage 5 version - In Tier3 version operating weight is reduced by 500 kg (1102 lb)

² Package on request

³ Radius with increased drilling axis: 3850 - 4400 mm (152 - 173 in)

⁴ For 1,5 m (5 ft) mast extension version weight increased by 650 kg (1433 lb)

⁵ For 1,5 m (5 ft) mast extension version min/max operating height become 10 / 11,6 m (33 / 38 ft)

⁶ For segmental mast version weight increased by 870 kg (1918 lb)

⁷ For segmental mast version weight increased by 720 kg (1587 lb)

Kelly bars for LDP

	Kelly type	Kelly dimens.	Drilling ¹⁻⁶ depth		Weight		L Length		H ⁷				WCS	
									CCS Low pos.		CCS High pos.			
			m	ft	ton	(US) ton	m	ft	m	ft	m	ft	m	ft
3 parts	BL HD	3 x 9	24,1	79.1	4,8	5.3	10,28	33.7	7.9	25.9	9.2	30.2	10.7	35.1
	BL HD	3 x 11,5	31,3	102.7	5,9	6.5	12,54	41.1	7.9	25.9	8.4	27.6	8.4	27.6
	BL HD	3 x 13,5	37,3	122.4	6,7	7.4	14,58	47.8	6.4	21.0	6.4	21.0	6.4	21.0
	BL HD	3 x 15,5	43,4	142.4	7,5	8.3	16,61	54.5	4.3	14.1	4.3	14.1	4.3	14.1
	BL HD	3 x 16,5	46,7	153.2	8,0	8.8	17,70	58.1	3.2	10.5	3.2	10.5	3.2	10.5
4 parts	BL HD	4 x 7,5	24,5	80.4	4,3	4.8	8,32	27.3	7,9	25.9	9,2	30.2	11,6	38.1
	BL HD	4 x 9	32,1	105.3	5,0	5.6	10,18	33.4	7,9	25.9	9,2	30.2	10,8	35.4
	BL HD	4 x 10,5	37,3	122.4	5,7	6.3	11,44	37.5	7,9	25.9	9,2	30.2	9,5	31.2
	BL HD	4 x 11,5	41,3	135.5	6,2	6.8	12,54	41.1	7,9	25.9	8,4	27.6	8,4	27.6
	BL HD	4 x 13,5	49,6	162.7	7,1	7.9	14,57	47.8	6,4	21.0	6,4	21.0	6,4	21.0
	BL HD	4 x 15,5	57,9	190.0	8,1	8.9	16,59	54.4	4,4	14.4	4,4	14.4	4,4	14.4
	BL HD	4 x 16,5	62,3	204.4	8,5	9.4	17,70	58.1	3,2	10.5	3,2	10.5	3,2	10.5
	FR HD	4 x 10,5	37,1	121.7	5,7	6.3	11,44	37.5	7,9	25.9	9,2	30.2	9,5	31.2
	FR HD	4 x 11,5	41,3	135.5	6,2	6.8	12,57	41.2	7,9	25.9	8,4	27.6	8,4	27.6
	FR HD	4 x 13,5	49,8	163.4	7,1	7.9	14,57	47.8	6,4	21.0	6,4	21.0	6,4	21.0
5 parts	FR HD	4 x 15,5	56,9	186.7	8,1	8.9	16,66	54.6	4,3	14.1	4,3	14.1	4,3	14.1
	FR HD	4 x 16,5	62,5	205.1	8,5	9.4	17,70	58.1	3,2	10.5	3,2	10.5	3,2	10.5
	FR HD ²	5 x 10,5	46,4	152.2	6,1	6.8	11,32	37.1	7,9	25.9	9,2	30.2	9,6	31.5
	FR HD ²	5 x 11,5	51,8	169.9	6,6	7.3	12,44	40.8	7,9	25.9	8,5	27.9	8,5	27.9
	FR HD ²	5 x 12	53,7	176.2	6,8	7.5	13,02	42.7	7,9	25.9	7,9	25.9	7,9	25.9
	FR HD ²	5 x 13,5	62,2	204.1	7,6	8.3	14,45	47.4	6,5	21.3	6,5	21.3	6,5	21.3
	FR HD ²	5 x 14,5	66,2	217.2	8,1	8.9	15,33	50.3	5,6	18.4	5,6	18.4	5,6	18.4
	FR HD ²	5 x 15,5	71,9	235.9	8,5	9.4	16,66	54.6	4,5	14.8	4,5	14.8	4,5	14.8
	FR HD ²	5 x 16,5	77,7	254.9	9,0	9.9	17,58	57.7	3,4	11.2	3,4	11.2	3,4	11.2
	BL HD ³	4 x 4,5	13,2	43.3	3,0	3.3	5,5	18.0	1,64	5.4	3,23	10.6		
LHR	BL HD ³	4 x 5	15,6	51.2	3,2	3.5	6,08	19.9	1,04	3.4	2,64	8.7		
	BL HD ³	4 x 5,5	17,6	57.7	3,4	3.7	6,6	21.6	0,54	1.8	2,14	7.0		
	BL HD ⁴	4 x 6	19,2	63.0	3,7	4.1	7,0	22.9	1,64	5.4	3,23	10.6		
	BL HD ⁴	4 x 7	23,6	77.4	4,1	4.5	8,1	26.5	0,54	1.8	2,14	7.0		
	BL HD ⁵	4 x 4,5	14,1	46.3	3,0	3.3	5,5	18.0	3,14	10.3	4,73	15.5		
	BL HD ⁵	4 x 5,5	16,1	52.8	3,4	3.7	6,6	21.6	2,04	6.7	3,64	11.9		
	FR HD ³⁻²	5 x 4,5	17,1	56.1	3,2	3.5	5,5	18.0	1,64	5.4	3,23	10.6		
	FR HD ³⁻²	5 x 5,5	22,5	73.8	3,7	4.1	5,6	21.6	0,54	1.8	2,14	7.0		
	FR HD ⁴⁻²	5 x 6	24,6	80.7	4,0	4.4	7,0	22.9	1,64	6.4	3,23	10.6		
	FR HD ⁴⁻²	5 x 7	30,0	98.4	4,4	4.9	8,1	26.5	0,54	1.8	2,14	7.0		
LHR	FR HD ⁵⁻²	5 x 5	18,5	60.7	3,5	3.9	6,1	19.9	2,54	8.3	4,14	13.6		
	FR HD ⁵⁻²	5 x 5,5	21,0	68.9	3,7	4.1	6,6	21.6	2,04	6.7	3,64	11.9		

¹ In CCS version w/o lower mast element, drilling depth reduced by -1300 mm (4.26 ft); in WCS version, drilling depth reduced by -200 mm (0.65 ft); in WCS version w/o lower mast element, drilling depth reduced by -1600 mm (5.24 ft); with kelly c/w stub 200x200, depth reduced by -200 mm (0.65 ft); drilling depth with tool 1500 mm (4.9 ft) long.

² Rotary head derate

³ LHR standard version. Operating height max 8,5 m (28 ft)

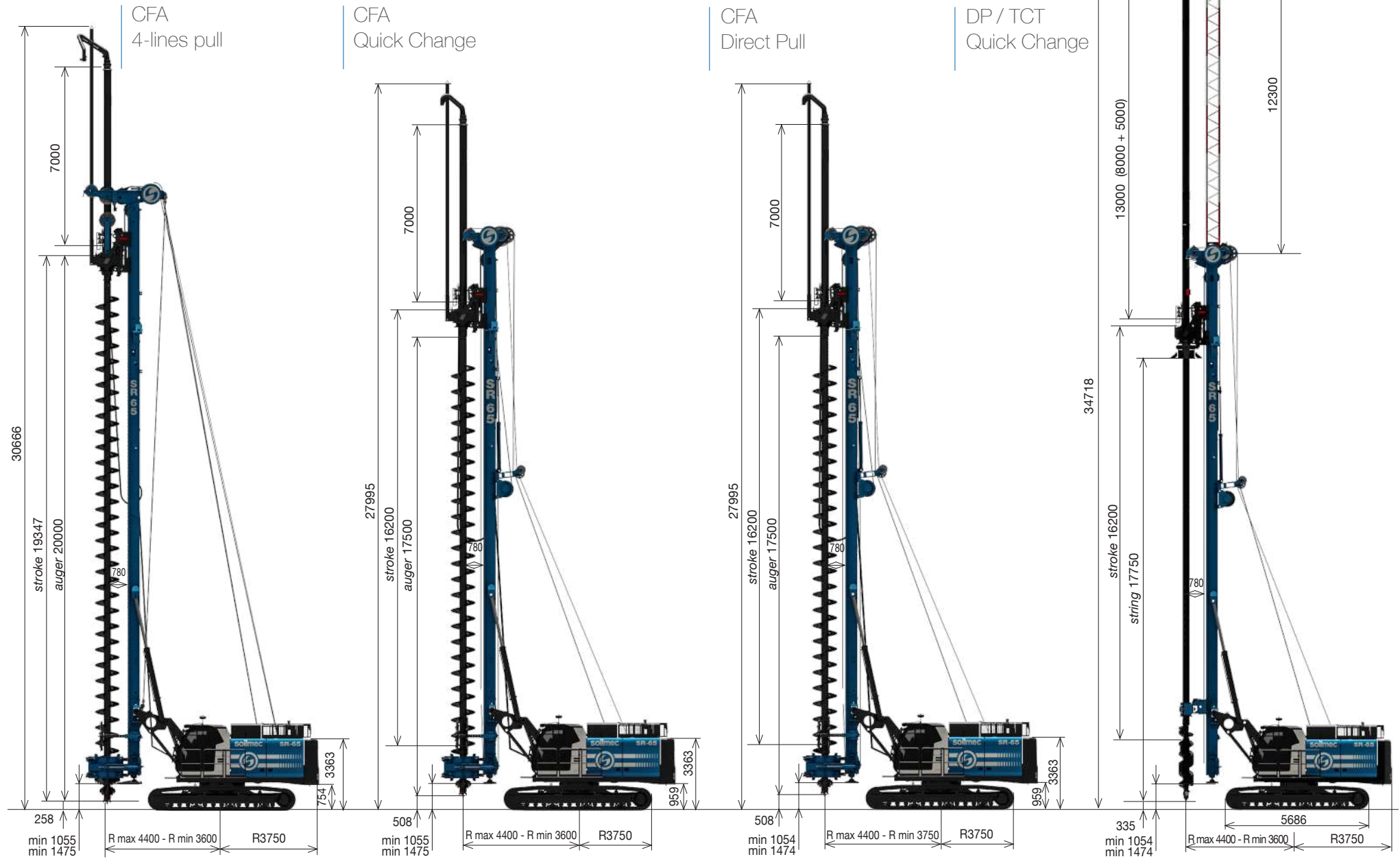
⁴ LHR mast extended version. Operating height max 10 m (32.8 ft) with CCS in low position

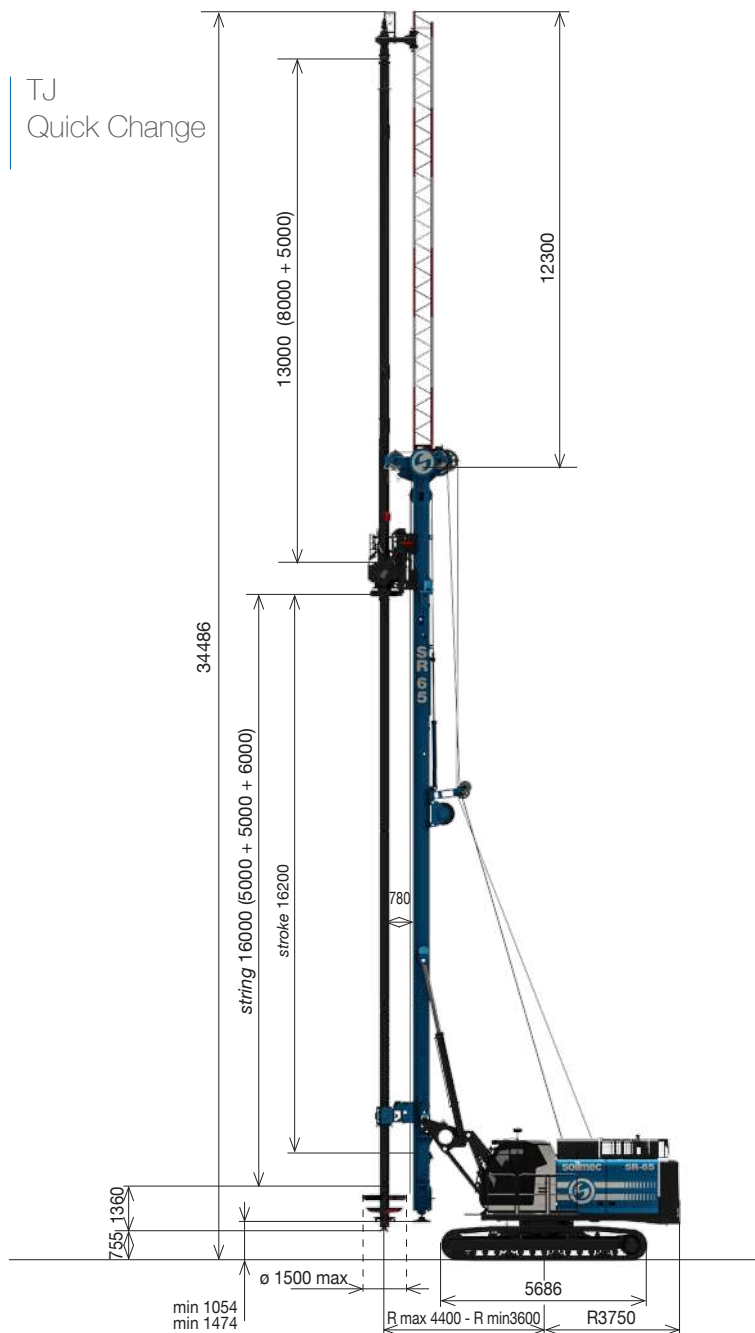
⁵ LHR mast extended version. Operating height max 10 m (32.8 ft) with CCS in high position

⁶ Drilling depth are referred to R max, with R min the drilling depth reduced by - 1,6 m (5.2 ft)

⁷ The H value for the LHR version are referred to R max - R min

CFA / DP / TJ applications





CFA - Continuous Flight Auger - 4-lines pull	standard version		extended version ⁵	
Operating weight (c/w 1100 kg - 2425 lb auxiliary cwt, 7 m - 23 ft sleeve extension, w/o auger) ⁶	61200 kg	134922 lb	63000 kg	138890 lb
Max pile diameter	1200 mm	47 in	750 mm	30 in
Max length of sleeve extension	8 m	26 ft	8 m	26 ft
Max pile depth (c/w 8 m - 26 ft sleeve extension) ¹	26,9 m	88 ft	30 m	98 ft
Nominal extraction force	620 kN	139379 lbf	450 kN	101162 lbf
Additional crowd force on auger ²	100 kN	22481 lbf	100 kN	22481 lbf

CFA - Continuous Flight Auger - Quick change	standard version	
Operating weight (c/w 7 m - 23 ft sleeve extension, w/o auger) ⁷	60500 kg	133378 lb
Max pile diameter	1200 mm	47 in
Max length of sleeve extension	8 m	26 ft
Max pile depth (c/w 8 m - 26 ft sleeve extension) ¹	24,5 m	80 ft
Nominal extraction force	550 kN	123643 lbf
Nominal crowd force on auger	330 kN	74186 lbf

CFA - Continuous Flight Auger - Direct Quick change	standard version	
Operating weight (c/w 7 m - 23 ft sleeve extension, w/o auger) ⁷	60500 kg	133378 lb
Max pile diameter	1200 mm	47 in
Max length of sleeve extension	8 m	26 ft
Max pile depth (c/w 8 m - 26 ft sleeve extension) ¹	24,5 m	80 ft
Nominal extraction force	330 kN	74186 lbf
Nominal crowd force on auger	330 kN	74186 lbf

DP/TCT - Displacement Pile - Quick change ⁴	standard version	
Operating weight (w/o string and tool) ⁷	60500 kg	133378 lb
Max recommended DP pile diameter	600 mm	24 in
Max recommended TCT pile diameter	800 mm	31 in
Max pile depth w/o lattice boom extension c/w 8 m (26 ft) string ext.	24,5 m	80 ft
Lattice boom extension length	12,3 m	40 ft
Max pile depth c/w lattice boom extension	29,5 m	97 ft

TJ - Turbojet ® - Quick change ⁴	standard version	
Operating weight (w/o string and tool) ⁷	60500 kg	133378 lb
Max recommended TJ pile diameter ³	1400 mm	55 in
Max pile depth w/o lattice boom extension c/w 6 m (19.6 ft) string ext.	22,2 m	73 ft
Lattice boom extension length	12,3 m	40 ft
Max pile depth c/w lattice boom extension	29,2 m	96 ft

¹ depth reduced of 1,3 m (4.3 ft) with roller auger cleaner

² package on request - depth reduced by 0,6 m (2 ft)

³ Ø 1900 mm (75 in) in ECTW configuration

⁴ DP/TCT and TJ are also available with 4-lines pull version or Direct Quick change

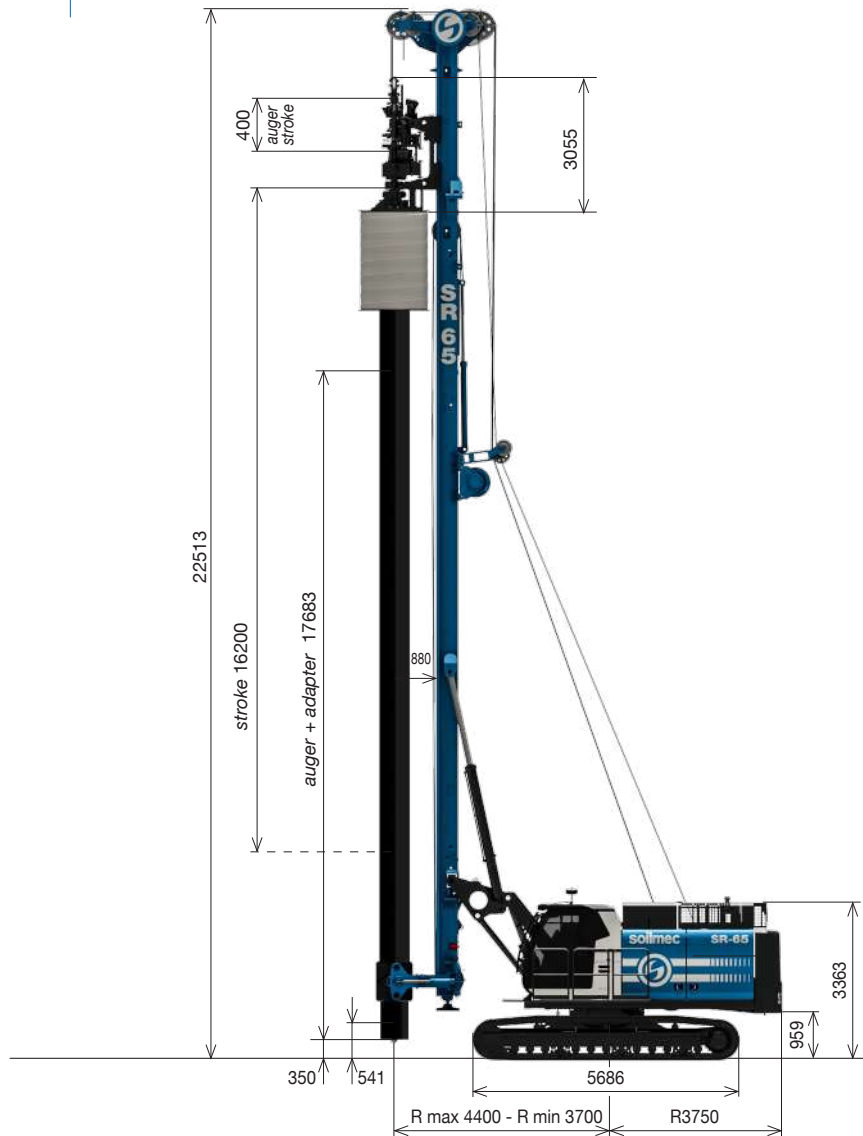
⁵ by a special kit on request

⁶ for segmental mast version weight increased by 870 kg (1918 lb)

⁷ for segmental mast version weight increased by 720 kg (1587 lb)

CSP/ VDW applications

Quick Change



VDW 1005 - Cased Secant Piles - Quick change

standard version

Operating weight (w/o auger and casing)	59500 kg	131175 lb*
Max pile diameter	610 mm	24 in
Max augered depth	15,8 m	52 ft
Max cased depth	15,6 m	51 ft
Casing max torque	98,5 kNm	72649 lb*ft
Max casing speed rotation	15,2 rpm	15 rpm
Auger max torque	49,3 kNm	36361 lb*ft
Max auger speed rotation	30,4 rpm	30.4 rpm
Nominal auger pull up/down	500 / 250 kN	112403 / 56201 lbf
Nominal casing pull up/down	500 / 250 kN	112403 / 56201 lbf

VDW 1407 - Cased Secant Piles - Quick change

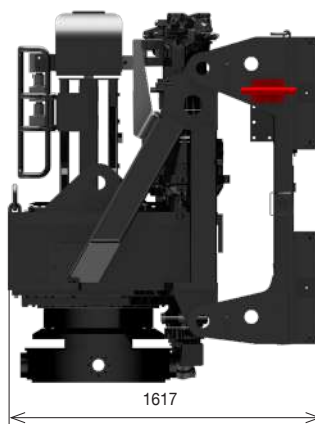
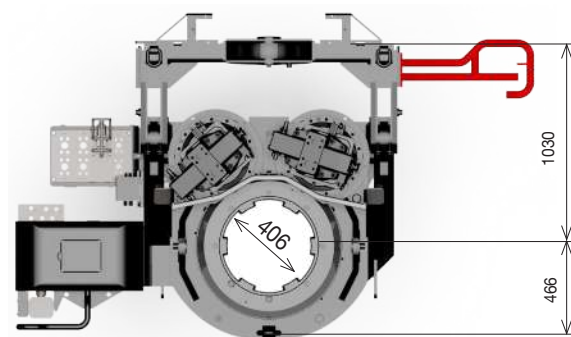
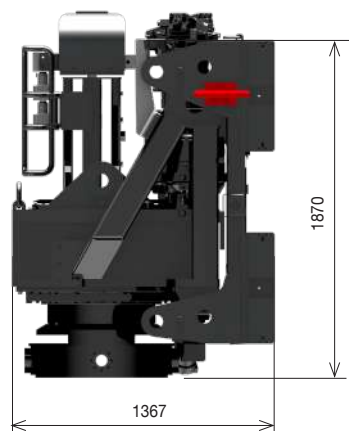
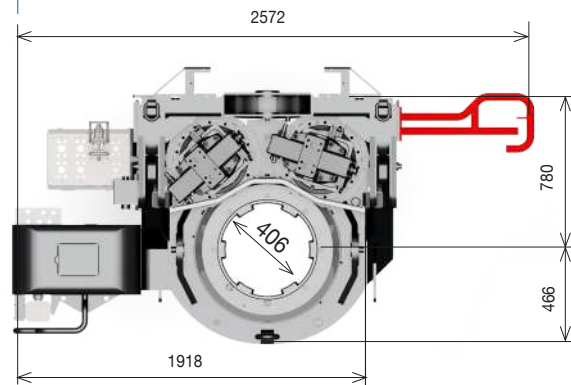
standard version

Operating weight (w/o auger and casing c/w additional counterweight)	61200 kg	136925 lb
Max pile diameter	610 mm	24 in
Max augered depth	15,8 m	52 ft
Max cased depth	15,6 m	51 ft
Casing max torque	140 kNm	103259 lb*ft
Max casing speed rotation	10,7 rpm	10.7 rpm
Auger max torque	70 kNm	51629 lb*ft
Max auger speed rotation	21,4 rpm	21.4 rpm
Nominal auger pull up/down	500 / 250 kN	112403 / 56201 lbf
Nominal casing pull up/down	500 / 250 kN	112403 / 56201 lbf

* For segmental mast version weight increased by 720 kg (1587 lb)

Rotary

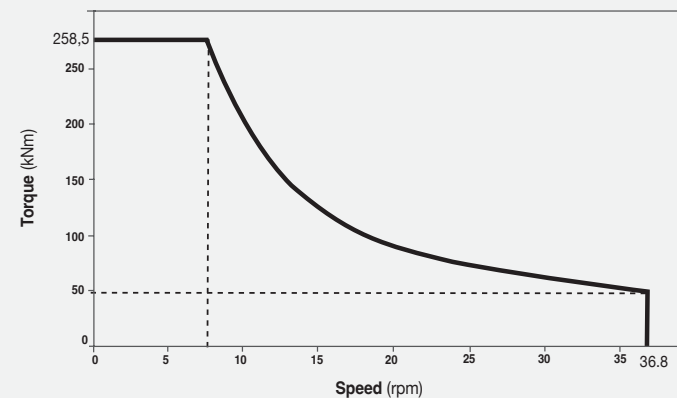
Increased drilling axis



Rotary

Type	Spin-off type	Spin-off type
Max torque (intermittent)	258,5 kNm	190657 lbf·ft
Rated torque	240 kNm	177012 lbf·ft
Max drilling speed	35,6 rpm	35.6 rpm
Spin off speed	135 rpm	135 rpm
Weight (w/o cradle, casing flange and cardan joint)	~ 3250 kg	~ 7165 lbs

Rotary torque diagram



The new rotary design allows reducing the transport height and at the same time guarantees the flexibility of using the same 406 mm/15.6 in kelly bar of other Soilmec rigs.

The easy replacement of the rotary sleeve and pads have been purposely designed for the specific needs of the job site.

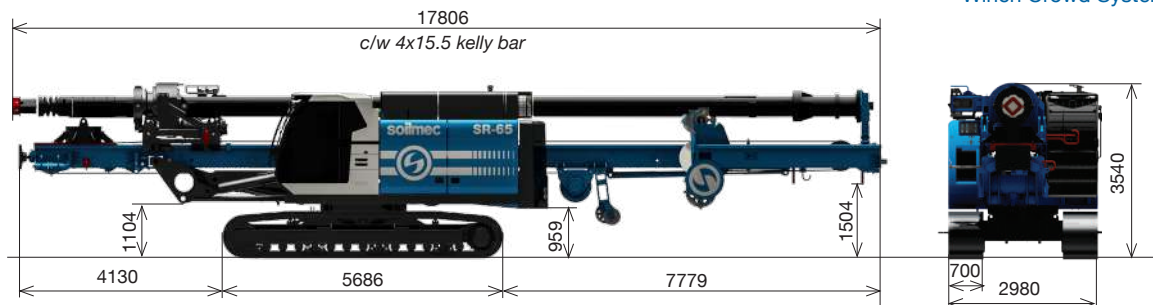
The rotary implements with a new device that allows the automatic control of the motor displacement. This optimizing the drilling speed and the productivity in every phase.

The variable drilling axis device (from 780 mm to 1030 mm / 30.7 in to 40.6 in) ensures the maximum geometric clearance in front of the mast.

Transport

Dimensions and Weights

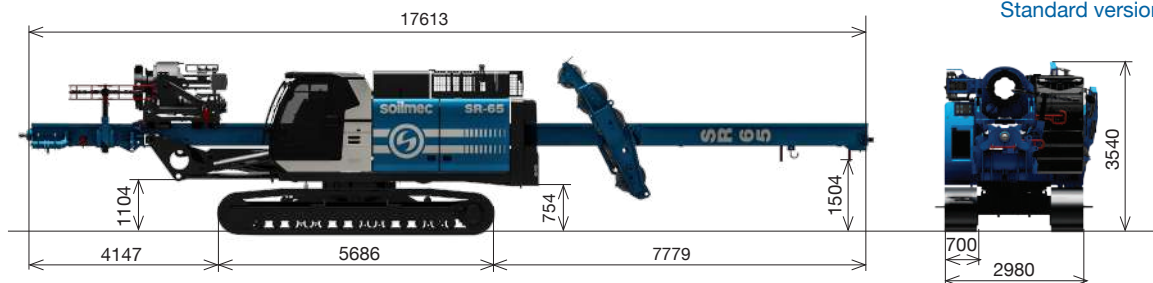
Winch Crowd System



Transport LDP version	CCS		WCS	
Weight with monolithic mast	63600 kg	140214 lbs	65800 kg	145064 lbs
Weight with segmental mast	64470 kg	142132 lbs	66520 kg	146651 lbs
Weight w/o kelly, cwt and mast foot	48450 kg	106814 lbs	49850 kg	109800 lbs
Length c/w kelly bar <14 m (46 ft)	17600 mm	57.7 ft	17600 mm	57.7 ft

Includes base carrier Stage V, complete rotary, counterweight, kelly bar 4x13,5 m, w/o tool.

CFA - 4-lines pull Standard version



Transport CFA version	4-lines pull		Quick change	
Weight with monolithic mast	58300 kg	140214 lbs	57600 kg	145064 lbs
Weight with segmental mast	59170 kg	130447 lbs	58320 kg	128573 lbs
Length	17613 mm	57.8 ft	17600 mm	57.7 ft

Includes base carrier Stage V, complete rotary, w/o auger, w/o sleeve extension, w/o hydraulic guide, w/o auger cleaner

Drawing are not to scale. All technical data are purely indicative and subject to change without notice

Transport

The impossible has been realized by the talent of our engineers. We have been able to design a rig which goes beyond all the limits in its class.

All SR-65 can be transported in a single load, improving productivity and efficiency even before starting to drill.

Transport weight in single load with kelly bar mounted: 64 t. (142,000 lb).

The maximum height while transported on truck is 4400 mm (14.5 ft).

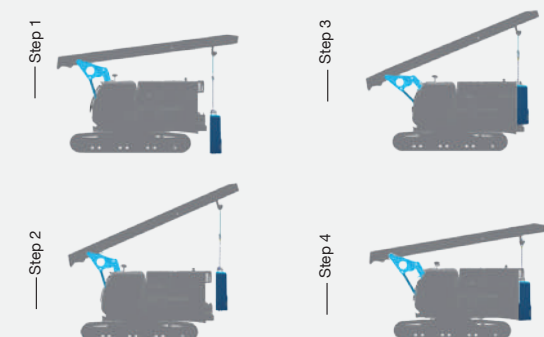
Thanks to a special optional, the new SR-65 can also reach the weight of 49.9 tons (110,000 lbs) by removing the counterweight and the kelly bar which does not need any auxiliary lifting equipment.

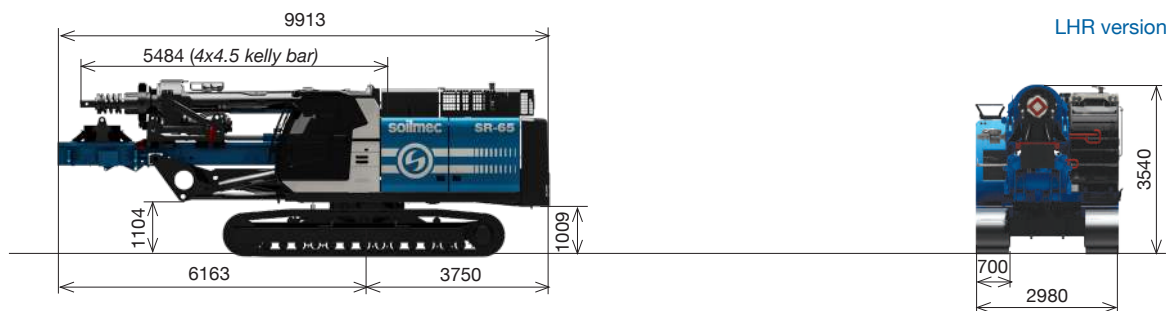
Soilmec is well aware of the job site needs and of importance of the start-up times.

The SR-65 is designed to ensure the machine starts drilling operations (in standard configuration) 30 minutes from the arrival at your job site.

Moreover the SR-65 set in segmental mast version with removable sides undercarriage is able to get an exceptionally minimum transport weight of not even 30 tons (66000 lb).

Self mounting counterweight (optional package)

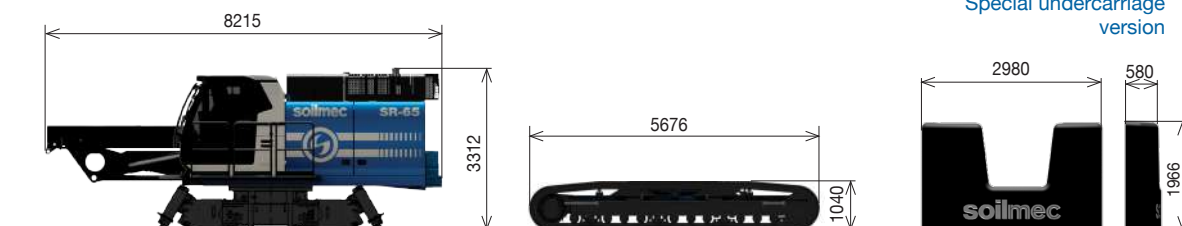




LHR version

Transport LHR version	8,5 m version		10 m version	
Weight	55900 kg	123238 lbs	56550 kg	124671 lbs
Min. weight *	47200 kg	104058 lbs	47850 kg	105491 lbs
Length	9893 mm	32.5 ft	9893 mm	32.5 ft

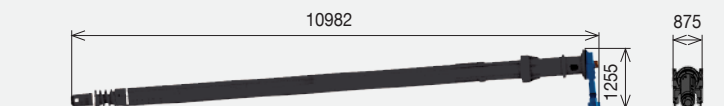
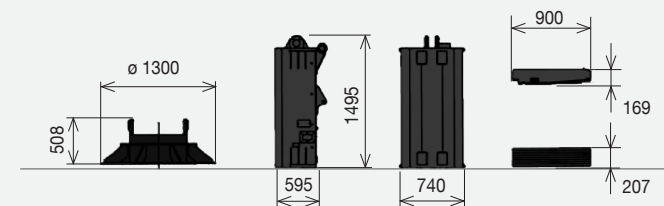
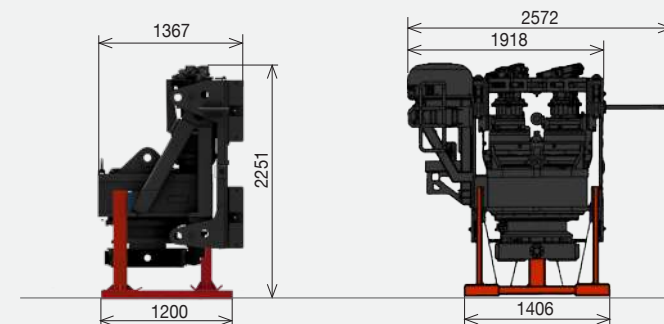
Includes base carrier Stage V, complete rotary, counterweight, kelly bar 4x4,5m, w/o tool. * w/o kelly and kelly guide, w/o rotary, w/o rotary cradle, c/w counterweight



Special undercarriage version

Special transport - CCS version - Segmental mast - Special undercarriage - Main parts		
Main frame - Base machine weight	29150 kg	64265 lb
Mast weight c/w support	5720 kg	12610 lb
Kelly bar 4x9 c/w guide for variable drilling axis weight	5500 kg	12125 lb
Undercarriage side frames	2 x 6100 kg	2 x 13448 lb
Counterweight weight	7500 kg	16535 lb
Rotary weight c/w support	5210 kg	11486 lb
Flange	550 kg	1213 lb
Mast foot	450 kg	992 lb
Additional counterweight	200 kg	441 lb

Main parts



Technical data

Undercarriage

Especially designed for heavy duty applications that require less penetration, better turning capability and less ground disturbance. Maintenance-free crawler track. Hydraulic chain tensioning device.

Undercarriage		
Type ¹	variable gauge, telescoping sides frames	
Overall width retrac. / ext. crawlers	2980 / 4500 mm	117 / 177 in
Width of triple grouser track shoes	700 mm	28 in
Overall length of crawlers	5686 mm	224 in
Traction force	395 kN	88798 lbf
Travelling speed	1,8 km/h	1.1 mph

¹ Special undercarriage c/w removable side frames available on request, dimension 750x4450x5676 mm (30x175x223 in)

Engine

Engine		
Model ²	Cummins L 9	
Power rating ³	272 kW @ 2100 rpm	365 HP @ 2100 rpm
Engine conforms to Exh. emis. Std	EU Stage V / US EPA Tier 4f	
AD Blue tank capacity	57 l	15 US gal
Fuel tank capacity	500 l	132 US gal

² Cummins QSL 9 - US EPA Tier3 available on request - power rating 272 kW (365 HP) @ 2100 rpm, max power 280 kW (376 HP) @ 1900 rpm

²³ Max power available 283 kW (380 HP) @ 1800 rpm

Hydraulic system

The cleaning of hydraulic oils is electronically monitored and any clogging is show to operator on DMS control system in the cab.

Hydraulic system		
Main pump flow	2 x 294 l/min	2x 77.6 gal/min
Auxiliary pump flow	160 l/min	42.2 gal/min
Hydraulic oil tank	600 lt	1582 min

CCS Cylinder Crowd System

Stroke	6500 mm	256 in
Crowd force pull (down/up)	140 / 280 kN	31473 / 62945 lbf
Speed up	16,3 m/min	53 ft/min
Speed down (slow/fast)	9,1 / 20,4 m/min	30 / 67 ft/min

WCS Winch Crowd System

Stroke	16200 mm	740 in
Crowd force pull (down/up)	330 / 330 kN	74186 / 74186 lbf
Speed up (slow/fast)	15,5 / 34 m/min	51 / 112 ft/min
Speed down (slow/fast)	15,5 / 34 m/min	51 / 112 ft/min

WCS rotary stroke reduced to 8650 mm (28.4 ft) w/o mast foot

Winches

Main winch

- Type		control descent
- Line pull (1st layer)	220 kN	48510 lbf
- Rope diameter	26 mm	1.02 in
- Line speed (max.)	84 m/min	275 ft/min

Auxiliary winch

- Type		control descent
- Line pull (1st layer)	83 kN	18301 lbf
- Rope diameter	19 mm	0.75 in
- Line speed (max.)	76 m/min	249 ft/min

Noise

Noise

- Sound pressure level in cab c/w Stage V Engine	77 dB(A)
- Sound power level c/w Stage V Engine	106 dB(A)
- Vibration transmitted to the hand-arm system of the machine operator	< 2.5 m/s ²
- Vibration transmitted to the whole body of the machine operator	< 0.5 m/s ²

BT-cab

BT-CAB

Soilmec new cab. By assessing the specific application and listening properly to the wishes and requirements of the operators, Soilmec provides the optimal operator cabin for comfort. Ergonomic seat with air suspension, fully adjustable, lumbar support, air management, as well as lines of sight, quality and safety are standard aspects considered during the design of the right configuration for the cabin.

- Cabin width	1050 mm	3.4 ft
- Sliding door		
- Courtesy lights		
- Air conditioning system and climate control unit		
- Radio player with USB aux port		

Controls

CONTROLS

DMS control system, developed and manufactured by Soilmec - is designed to give you a total control over performance, production and all your drilling rigs. In real time all the information relating to the operation work cycles and diagnostics of faults are shown on a multilanguage touch screen display installed in the cab.

All drilling operations are actuated by two innovative joysticks.

Automatic controls of rotary head and drilling phases are available on request thanks to simple implementation of our DMS system.

Configurations

UNDERCARRIAGE

Variable gauge, telescopic side frames	●
Variable gauge, telescopic removable side	○
Machine anchor points for transport	●
Mechanical prearrangement for casing oscillator	●
Hydraulic prearrangement for casing oscillator	○
VRM120KL casing oscillator	○
VRM150KL casing oscillator	○
Radio remote control for tramming operation	●

UPPER STRUCTURE

J-Eye-AI CCTV camera System	○
Hydraulic oil condition system	○
Intelligent battery sensor	○
Diesel engine QSL L9 EU Stage IIIA – US EPA Tier 3	○
Diesel engine L9 EU Stage V – US EPA Tier 4F	●
Start and slow system	●
Harness technology for electrical system	●
Automatic Greasing package	○
PTO kit for washing lancer	○
Self-mounting counterweight	○
Catwalks for centre of turret	●
Rear ladder for torret access	●
Foaldable side catwalks for cabin	●
Machine lifting kit (harbor use)	○
Foldable catwalk with handrails	●
Acoustic & light alarm for tramming	●
Lighting led system package	●
Sound proofed canopies	●

BT-CAB

Front protective grille	●
Falling object protective structure (FOPS)	●
Rearview mirrors	●
Comfort packakge (cup holder, radio, A/C system, USB port & 12 V power socket, roll-up awning, courtesy lights)	●
Operator seat (air suspension, lumbar support, fully adjustable positioning, safety belt & operator presence micro-switch)	●
Front tools support	○
Service rope holder	○
Lighting system in front of the cab	●

CONTROL AND MONITORING SYSTEM

DMS ON BOARD with technological package	●
DMS PC	●
DMS manager 4.0	●
GSM / GPRS / WIFI Modem	●
PLC processor for electrically actuated functions	●
DMS ON BOARD adjustable monitor 12" touch screen	●
Video control by 4 cameras with display in the cab	●

WINCHES

Main winch SW220 model	●
Load cell for main winch	○
Main & service winch pull instant value displayed on DMS On Board	○
Limit switch for rope winding and winches	●
Depthmeter for main winch	●
Anti-slack system for main winch	○
Service winch SW100 model	●
Load cell for service winch	●

ROTARY UNIT

RD240 model - Max torque intermitted: 258.5 kNm (180659 lbs*ft)	●
RD240G with gear box model - Max torque intermitted: 271 kNm (199879 lbs*ft)	○
Interchangeable rotary sleeve	●
Quick disassembling rotary kit	○
Automatic greasing kit for cradle	●
Automatic control of motor displacement	●
Oil discharge conveying system	●

MAST

Segmental mast	●
Monolithic mast	○
Mast guide cleaner	○
Kit for assisted rasing mast (<i>patented</i>)	○
Lower foldable mast element	●
Hydraulic cathead folding kit	○
Cathead greasing kit	○
Double positioning of cylinder (n.a. in LHR version)	●

KELLY BAR TECHNOLOGY

Rotary sleeve with 3 ribs	●
Spin off discharging system	●
"Click-click" discharging system	○

Cardan joint	●
Flange for casing driving d.1300 mm (51.1 in)	●
Flange for casing driving d.1500 mm (59 in)	○
Flange for casing driving d.1700 mm (66.9 in)	○
Variable drilling axle	●
Automatic return to the centre hole	○
Kelly bar guide	●
Air compressor kit	○

OTHER TECHNOLOGY

Sleeve 6 m (19.7 ft) long XHD-5 or 25HD-5	○
Sleeve 7 m (23 ft) long XHD-5 or 25HD-5	○
Sleeve 8 m (27.8 ft) long XHD-5 or 25HD-5	○
Package for CFA std & direct quick change 17,5 m (57 ft) auger length	○
Package for CFA 4-lines pull 20 m (66 ft) auger length	○
Package for CFA 4-lines pull 23 m (75 ft) auger length	○
DMS ON BOARD with automatic auger lifting	○
Autodrilling package	○
Autorotary package	○
CFA 4-lines pull additional pull-down winch 100 kN (22481 lbf)	○
Hydraulic universal openable lower guide d.1200mm (47.2 in)	○
Auger cleaner star type	○
Double roller auger cleaner d.1200 mm (47.2 in)	○
Two pressure transducers kit	○
WiFi sensore for concrete pressure	○
Warning system for CFA sleeve extension coupling (<i>patent pending</i>)	○
Hydraulic prearrangement for VTH-1 vibrator	○
Add. package for VDW technology 15,5 m (51 ft) cased depth	○
Add. package for VDW 1005	○
Add. package for VDW 1407	○
Add. package for DP/TCT technology 28,5 m (95 ft) depth with lattice ext.	○
Add. package for TJ technology 28,2 m (93 ft) depth with lattice ext.	○
Add. package for ECTW - Direct pull configuration	○

● standard

○ optional

* The technology package is only referred to the machine set up in this specific version



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