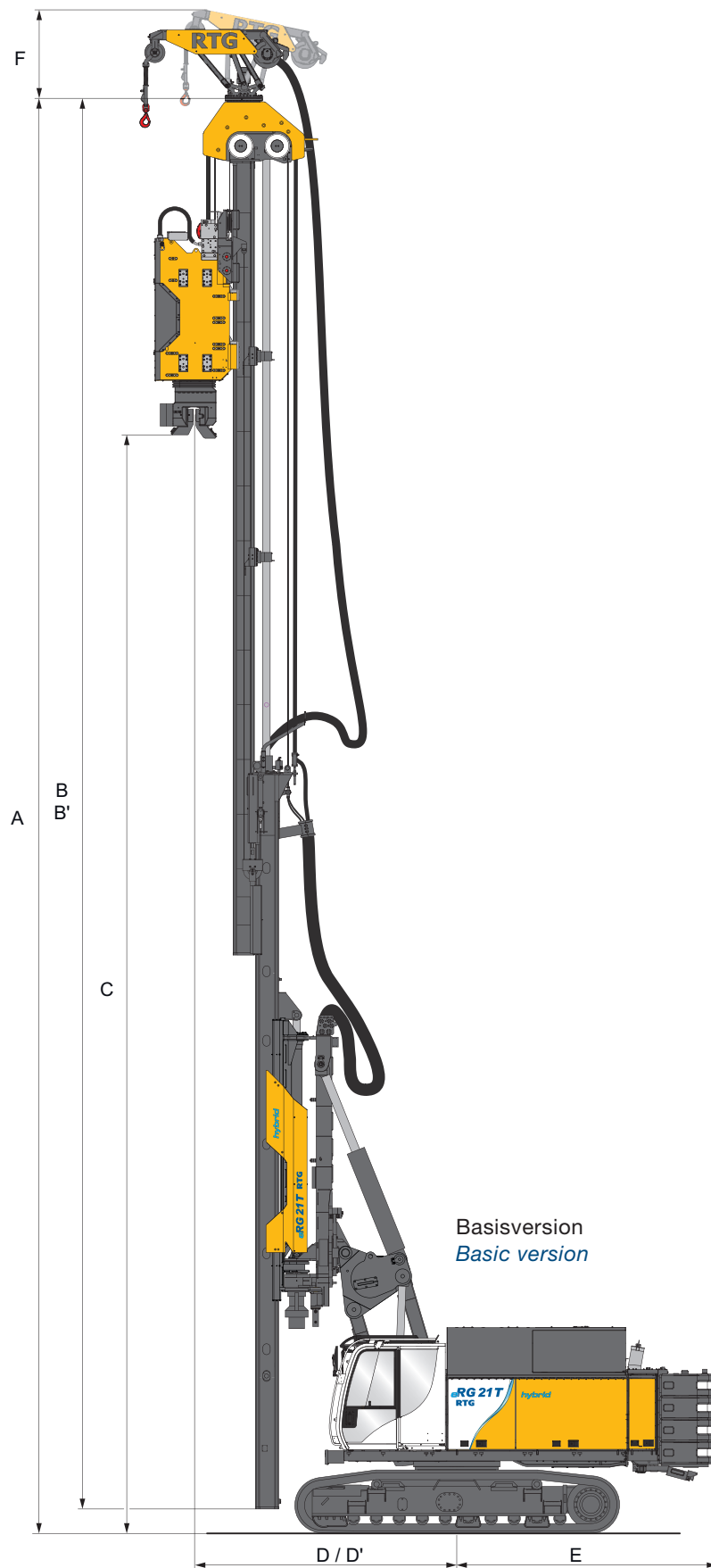


# eRG 21 T hybrid

## Teleskopmäkler-Rammgerät Pile Driver with Telescopic Leader

RTG Ramntechnik





**Teleskopmäkler eRG 21 T hybrid**  
*Telescopic leader eRG 21 T hybrid*

|                                                                                                                    |                          |
|--------------------------------------------------------------------------------------------------------------------|--------------------------|
| A Max. Mäklerhöhe (ausgefahren, min. Ausladung)<br><i>Max. mast height (leader extended, min. work radius)</i>     | 26,8 m                   |
| B Mäklerlänge (Mäkler ausgefahren)<br><i>Length of mast (leader extended)</i>                                      | 23,2 m                   |
| B' Mäklerlänge (Mäkler eingefahren)<br><i>Length of mast (leader retracted)</i>                                    | 14,0 m                   |
| C Max. Rammgutlänge (mit Rüttler, min. Ausladung)<br><i>Max. length of piles (with vibrator, min. work radius)</i> | 21,4 m                   |
| D/D' Ausladung (minimal/maximal)<br><i>Working radius (min./max.)</i>                                              | 4,3 / 6,1 m              |
| E Heckausladung/Schwenkradius<br><i>Rear distance/swing radius</i>                                                 | 4,4 / 4,5 m              |
| Mäklerverschiebung über Flur (Mäklerfußpunkt)<br><i>Bottom of mast (max. position above ground)</i>                | 3,6 m                    |
| Mäklerverschiebung unter Flur (Mäklerfußpunkt)<br><i>Bottom of mast (min. position below ground)</i>               | 2,0 m                    |
| Mäklerneigung (nach vorn/nach hinten/seitlich)<br><i>Mast inclination (forward/backward/sideways)</i>              | 4° / 10° / 4°            |
| Mäklerdrehung (rechts/links)<br><i>Mast turning angle (right/left)</i>                                             | 90° / 90°                |
| Vorspannkraft am Schlitten (Rammen)<br><i>Crowd force at sledge (push)</i>                                         | 140 kN                   |
| Vorspannkraft am Schlitten (Ziehen)<br><i>Crowd force at sledge (pull)</i>                                         | 260 kN                   |
| Zul. Drehmoment<br><i>Allowable torque</i>                                                                         | 150 kNm                  |
| Zugkraft drehbare Hilfswinde<br><i>Line pull turnable auxiliary winch</i>                                          | 40 / 55 / 60 kN          |
| F Höhe (drehbare Hilfswinde, optional)<br><i>Height (turnable auxiliary winch, optional)</i>                       | 1.190 / 1.487 / 1.521 mm |

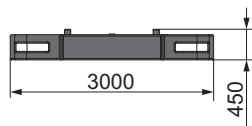
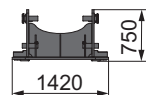
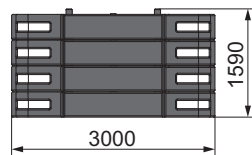
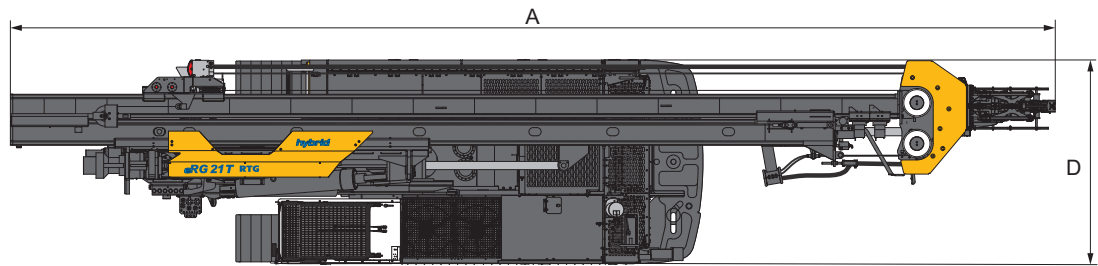
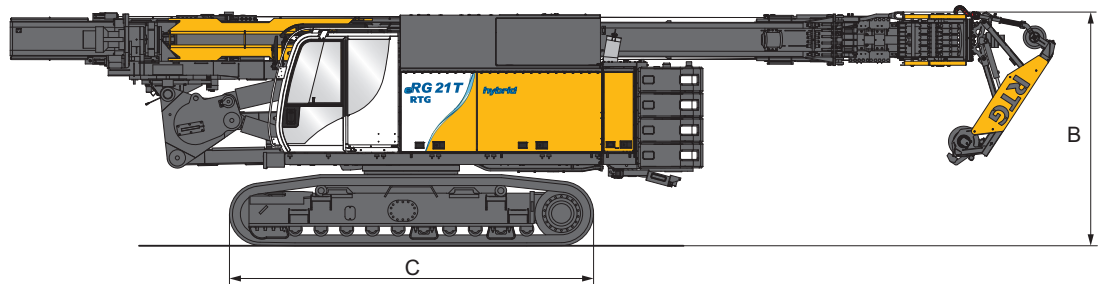
### Serienausstattung | Standard Equipment

- Hydraulisch verklemmbarer Teleskopunterwagen  
UW 70 R
- Motorpaket:  
CAT C13 - 430 kW Abgasnorm US Tier 4 final /  
EU Stufe V mit Dieselpartikelfilter, Oxidations-  
katalysator, Add-BlueTank und Elektromotor 80 kW  
(CCR-Steckdose 125 A / 400 V AC)
- Gegengewicht 4 x 2,5 t
- Bordwerkzeugsatz
- Bordbeleuchtungssatz (4 LED Scheinwerfer)
- Rückfahrkamera
- Elektrische Betankungspumpe
- Diagnoseleiste für hydraulische Funktionen
- Integrierter Schallschutz durch automatisch  
ausfahrende Seitenklappen
- Trittroste (neben der Kabine)
- Bauer Komfortfahrerkabine mit getönten Seitenscheiben  
und Schiebetür mit integriertem Schiebefenster
- Farbdisplay mit Touchscreen Monitor mit B-Tronic  
Maschinendaten Erfassungs- und Aufzeichnungssystem
- B-Drive
- DAB Radio mit MP3, USB und  
Bluetooth-Freisprecheinrichtung
- Bauer Klimaautomatik
- Premium Fahrersitz
- Schutzgitter für Dachscheibe
- Power Management Hybrid-Anteil
- Temperaturregelte Lüftersteuerung
- Vollgasautomatik für Rüttlerbetrieb
- Vorbereitet für EEP (Energy-Efficient Power)
- Mastneigungsautomatik
- Arbeitsgeräteerkennung
- Automatikvorschub
- Fernbedienung Basic
- DTR-Modul
- WEB-BGM Zugang BASIC inkl. B-Report über BCC
- Rohrbruchsicherungen für alle Zylinder
- Parallelogramm Kinematik
- Betrieb von Entspannungsbohrantrieben
- Hydraulische Absteckung des drehbaren Mastes
- Vorbereitung für Rüttler mit verstellbaren Unwuchten
- *Hydraulically clampable telescopic undercarriage  
UW 70 R*
- *Engine package:  
CAT C13 - 430 kW emission standard US Tier 4 final /  
EU Stage V with diesel particle filter, oxidation catalyzer,  
Add-Blue tank and electric motor 80 kW  
(CCR plug 125 A / 400 V AC)*
- *Counterweights 4 x 2.5 t*
- *On-board tool set*
- *On-board lighting set (4 LED spotlights)*
- *Video camera for reverse movement control*
- *Electric refuelling pump*
- *Diagnostic panel for hydraulic functions*
- *Integrated sound insulation by automatically retractable  
side flaps*
- *Catwalk (on side of operator's cab)*
- *Bauer high-comfort operator cab with tinted side windows  
and sliding entry door with integrated sliding window*
- *Colour display on touchscreen monitor with B-Tronic  
operating data acquisition and recording system*
- *B-Drive*
- *DAB Radio with MP3, USB and Bluetooth hand-free kit*
- *Bauer automatic air-conditioning system*
- *Premium driver seat*
- *Protection guard for roof window*
- *Power management hybrid portion*
- *Temperature-controlled fan operating system*
- *Automatic full throttle control for vibrator operation*
- *Ready for EEP (Energy Efficient Power)*
- *Automatic alignment of mast*
- *Automatic front-end recognition equipment*
- *Automatic crowd*
- *Remote control Basic*
- *DTR module*
- *WEB-BGM access BASIC incl. B-Report via BCC*
- *Pipe burst protection for all cylinders*
- *Parallelogram kinematic linkage system*
- *Preboring mode*
- *Hydraulic bolting of mast swing mechanism*
- *Pre-equipped for vibrator with variable eccenters*



## Zusatzausstattung | *Optional Equipment*

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>– Kompressor oder Generator</li> <li>– Kältepaket / Kältepaket plus</li> <li>– Zusatzscheinwerfer (LED)</li> <li>– Zweites Schwenkwerk für erhöhtes Schwenkbremsmoment</li> <li>– Absturzsicherung</li> <li>– Werkzeugkasten am Unterwagen</li> <li>– Bioölbefüllung</li> <br/> <li>– Vorbereitung Schutzbelüftung</li> <li>– Standheizung mit Zeitschaltuhr</li> <li>– Schutzgitter für Frontscheibe</li> <li>– Premium Fahrersitz Klima</li> <li>– Zusätzlicher Sonnenschutz über Sonnensegel klein/groß</li> <li>– Vorbereitung für zusätzliche Verfahren (Hydraulik und Steuerung)</li> <br/> <li>– EEP (Energy-Efficient Power) mit Eco Mode</li> <li>– Fernbedienung OPERATION</li> <br/> <li>– Vorrichtung zur Abnahme der Gegengewichte über Hilfswinde (ausstattungsabhängig)</li> <li>– Hilfswinde 60 kN (drehbar und verstellbar)</li> <li>– Zentralschmierung</li> <li>– Mastabstützung</li> <li>– Automatisches Kupplungssystem für das Grundgerät (ACS I) und alle Anbaugeräte (ACS II)</li> </ul> | <ul style="list-style-type: none"> <li>– <i>Compressor or generator</i></li> <li>– <i>Arctic kit / Arctic kit plus</i></li> <li>– <i>Additional spotlights (LED)</i></li> <li>– <i>Second slewing gear for increased slewing brake torque</i></li> <li>– <i>Fall protection</i></li> <li>– <i>Toolbox on the undercarriage</i></li> <li>– <i>Bio-degradable oil</i></li> <br/> <li>– <i>Pre-equipped for pressurized air conditioning system</i></li> <li>– <i>Independent cab heater with time switch</i></li> <li>– <i>Protective guard for front windscreen</i></li> <li>– <i>Premium operator seat „Climate“</i></li> <li>– <i>Sun canopies (small / large) for additional sun protection</i></li> <li>– <i>Prepared for further methods (hydraulics and electric control)</i></li> <br/> <li>– <i>EEP (Energy-Efficient Power) with Eco Mode</i></li> <li>– <i>Remote control OPERATION</i></li> <br/> <li>– <i>Device for demounting counterweights by auxiliary winch (depending on configuration)</i></li> <li>– <i>Auxiliary winch 60 kN (rotatable and adjustable)</i></li> <li>– <i>Central lubrication</i></li> <li>– <i>Vertical mast support</i></li> <li>– <i>Automatic coupling system for hydraulic connections of the main carrier (ACS I) and all attachments (ACS II)</i></li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



| Abmessungen   <i>Dimensions</i>                                                                                                                                              |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| A Transportlänge (ohne Hilfswinde)<br><i>Transport length (without auxiliary winch)</i>                                                                                      | 14,0 m            |
| A 1 Transportlänge (mit Hilfswinde)<br><i>Transport length (with auxiliary winch)</i>                                                                                        | 15,3 m            |
| B Transporthöhe<br><i>Height for transport</i>                                                                                                                               | 3,4 m             |
| C Länge Laufwerk<br><i>Crawler length</i>                                                                                                                                    | 5,4 m             |
| D Transportbreite<br><i>Width for transport</i>                                                                                                                              | 3,0 m             |
| Transportgewicht (ohne Hilfswinde, ohne Gegengewicht und ohne Anbaugerät)<br><i>Transport weight (without auxiliary winch, without counterweight and without attachment)</i> | 62,0 t            |
| Transportgewicht mit Bodenplatten 900 mm<br><i>Transport weight with track shoes 900 mm</i>                                                                                  | 63,2 t            |
| Hilfswinde<br><i>Auxiliary winch</i>                                                                                                                                         | 0,8 t             |
| Gegengewicht Standard<br><i>Counterweight standard</i>                                                                                                                       | 3 x 2,5 + 1 x 4,9 |
| Gegengewichtskonsole<br><i>Support bracket for counterweight</i>                                                                                                             | 0,8 t             |

Gewichtsangaben sind ca. Werte, Zusatzausrüstungen (Optionen) können das Gesamtgewicht verändern.  
 Genaue Transportgewichte sind anzufragen.  
*Weights shown are approximate values; optional equipment may change the overall weight.*  
*Exact transport weights have to be inquired at your local dealer.*

# Trägergerät BS 61 eh

## Base Carrier BS 61 eh

### Unterwagen UW 70 R

#### Undercarriage UW 70 R

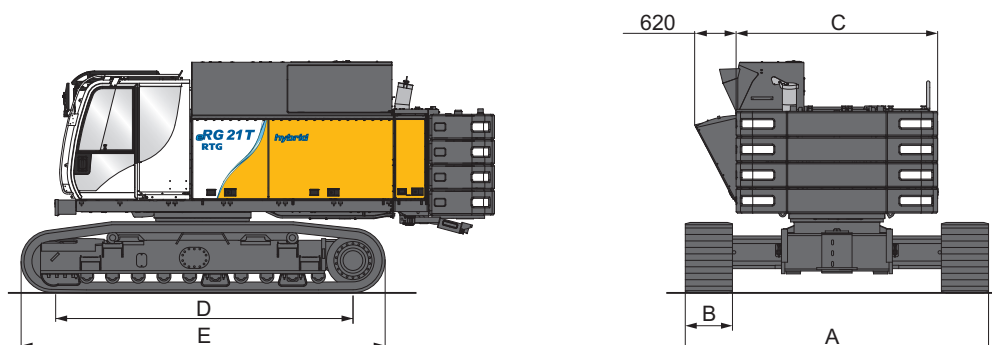
|                                                     |               |
|-----------------------------------------------------|---------------|
| A Breite Unterwagen<br><i>Crawler width</i>         | 3,00 - 4,50 m |
| B Kettenbreite<br><i>Width of track shoes</i>       | 700 mm        |
| C Breite Oberwagen<br><i>Width of uppercarriage</i> | 3,0 m         |
| D Turasabstand<br><i>Overall crawler length</i>     | 4,4 m         |
| E Laufwerkslänge<br><i>Wheel distance</i>           | 5,4 m         |

### Laufwerk

#### Crawler

**B 6**

|                                             |               |
|---------------------------------------------|---------------|
| Zugkraft<br><i>Towing force</i>             | 504 kN        |
| Fahrgeschwindigkeit<br><i>Crawler speed</i> | 0 - 1,46 km/h |



- Senkung des Kraftstoffverbrauchs um bis zu 30 %
- Gesteigerte Produktivität durch verbesserte Wirkungsgrade
- Deutlich reduzierte Lärmentwicklung
- Bewährte und nachgewiesene Praxistauglichkeit
- Optimierter Parallelbetrieb von Haupt- und Nebenverbrauchern
- Reduction of fuel consumption by up to 30%
- Increased productivity through improved efficiency
- Significantly reduced noise levels
- Tried and proven suitability for practical application
- Optimized parallel operation of main and auxiliary consumers

Hydraulische Verklemmung der Teleskopholme am Unterwagen  
*Hydraulic clamping device between telescopic cross beams and undercarriage body*

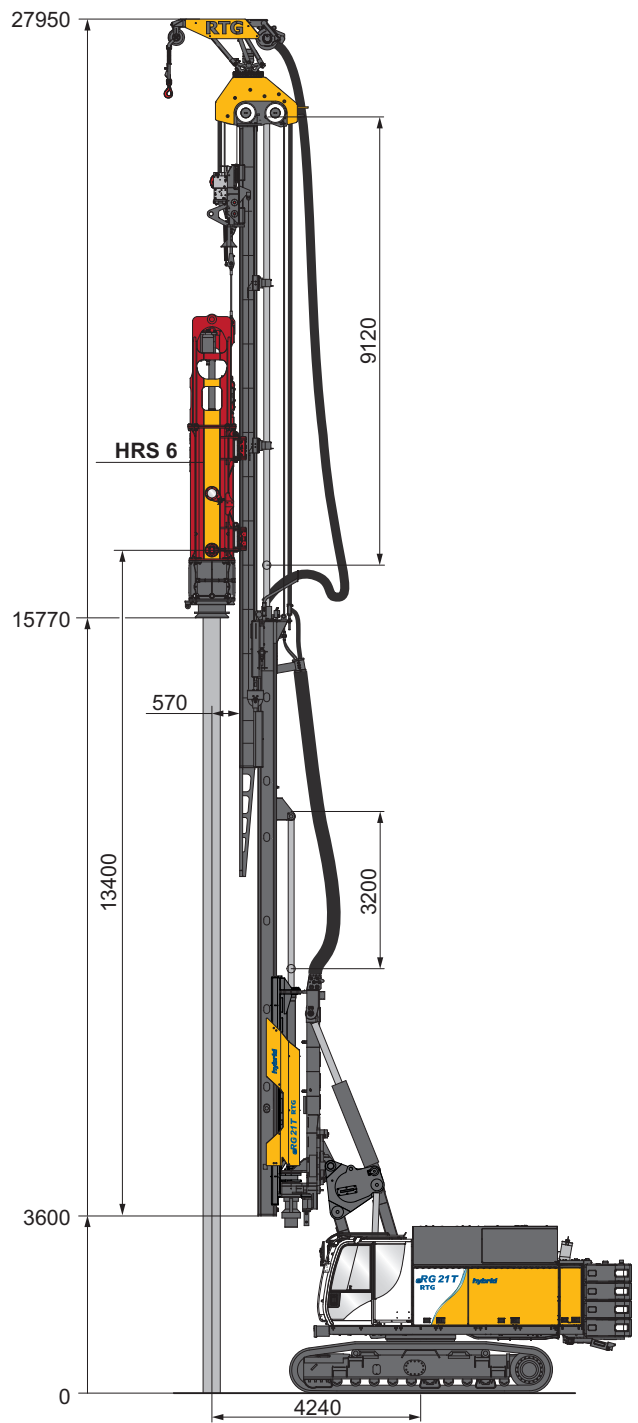
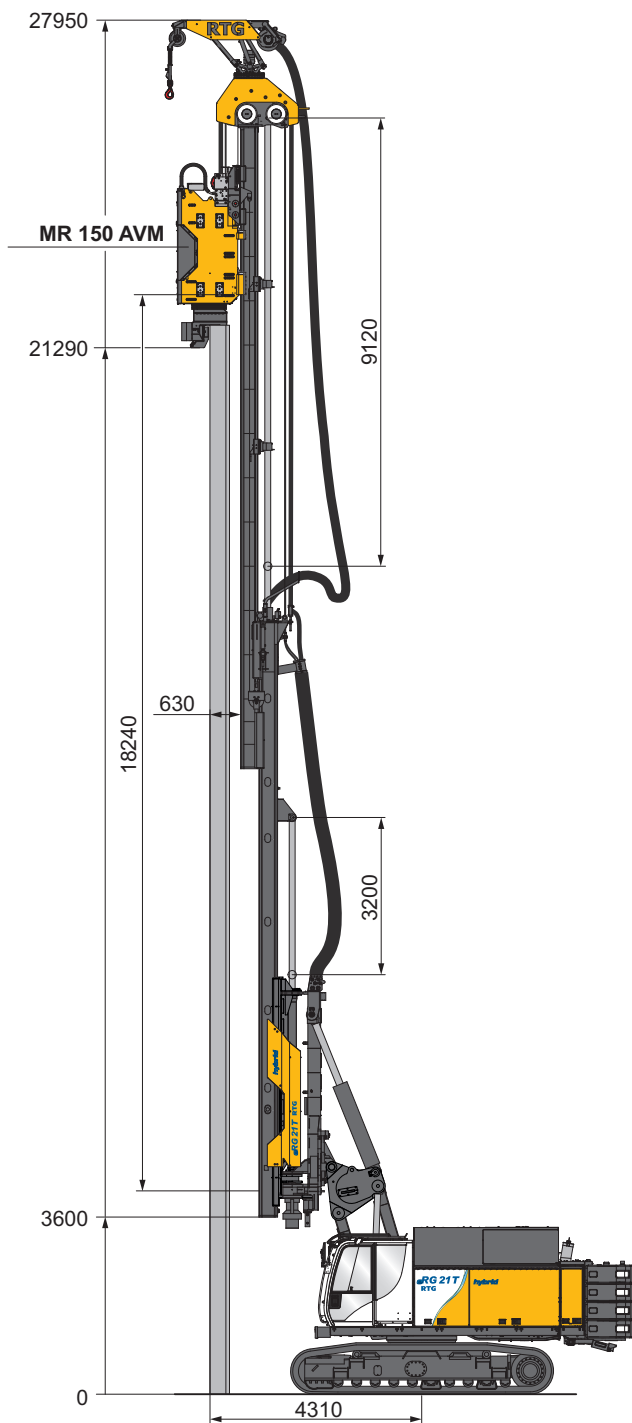
## Oberwagen

### Uppercarriage

|                                                                                                                              |                                           |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Dieselmotor (wassergekühlt)<br><i>Diesel engine (water-cooled)</i>                                                           | CAT C13 B<br>US Tier 4 final / EU Stage V |
| Leistung Dieselmotor<br><i>Rated output Diesel engine</i>                                                                    | 430 kW                                    |
| Drehzahl Dieselmotor<br><i>Rotation speed Diesel engine</i>                                                                  | 1.800 U/min   <i>rpm</i>                  |
| Max. Ladeleistung E-Motor (CCR-Steckdose 125 A / 400 V AC)<br><i>Max. charging power E-motor (CCR-plug 125 A / 400 V AC)</i> | 80 kW                                     |
| Max. Systemleistung<br><i>Max. system power</i>                                                                              | 510 kW                                    |
| Durchschnittsverbrauch ca.<br><i>Average consumption approx.</i>                                                             | 12,7 l/h + 61,5 kWh                       |
| Max. hyd. Volumenstrom<br><i>Max. hydr. flow rate</i>                                                                        | 850 l/min                                 |
| Dieseltankinhalt<br><i>Diesel tank capacity</i>                                                                              | 730 l                                     |
| Hydrauliktankinhalt<br><i>Hydraulic tank capacity</i>                                                                        | 980 l                                     |
| Hydraulikölkühler<br><i>Hydraulic oil cooler</i>                                                                             | 2 x 80 kW                                 |
| Rüttlerölkühlung<br><i>Oil cooling system</i>                                                                                | integriert   <i>integrated</i>            |



- Senkung des Kraftstoffverbrauchs um bis zu 50 %
- Reduzierung der CO<sub>2</sub>-Emission um bis zu 50 %
- reduzierte Schalleistung um bis zu 2dB (A)
- bedarfsoptimierte Leistungssteuerung zwischen Elektro- und Dieselmotor
- elektrisch-/hydraulischer Betrieb bei geringem Leistungsbedarf möglich
- *Reduction of fuel consumption by up to 50%*
- *Reduction of CO<sub>2</sub> emission by up to 50%*
- *Reduced sound power level by up to 2 dB (A)*
- *Demand-optimized power control of electric and diesel motor*
- *Electric/hydraulic operation with low power requirement possible*



## Rüttler für Spundwände

*Vibrator for sheet piling*

Rammgutlänge

*Pile length*

max. 21,0 m

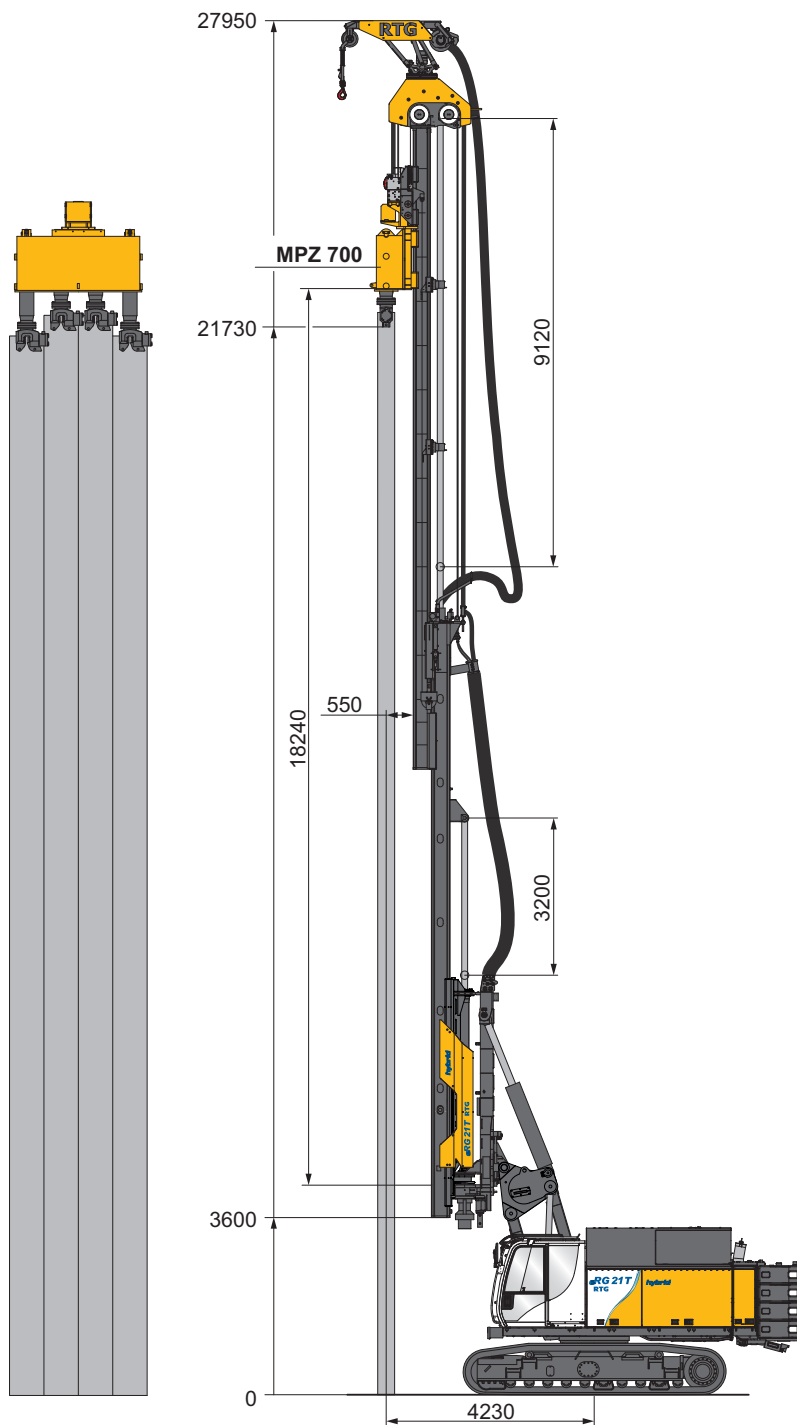
## Rammen mit Diesel- und Hydraulikhammer

*Pile driving with diesel and hydraulic hammer*

Rammgutlänge

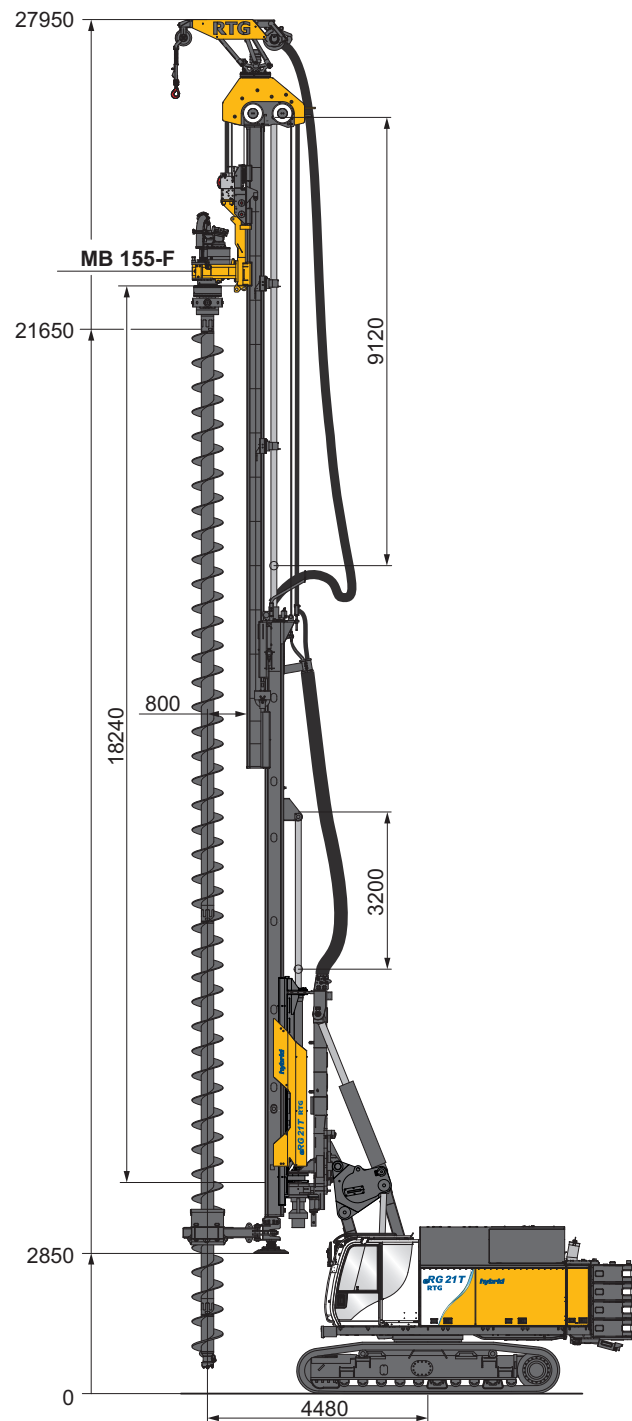
*Pile length*

max. 15,5 m



**Spundwandpresse**  
*Press system for sheet piling*

Rammgutlänge  
*Pile length* max. 21,0 m

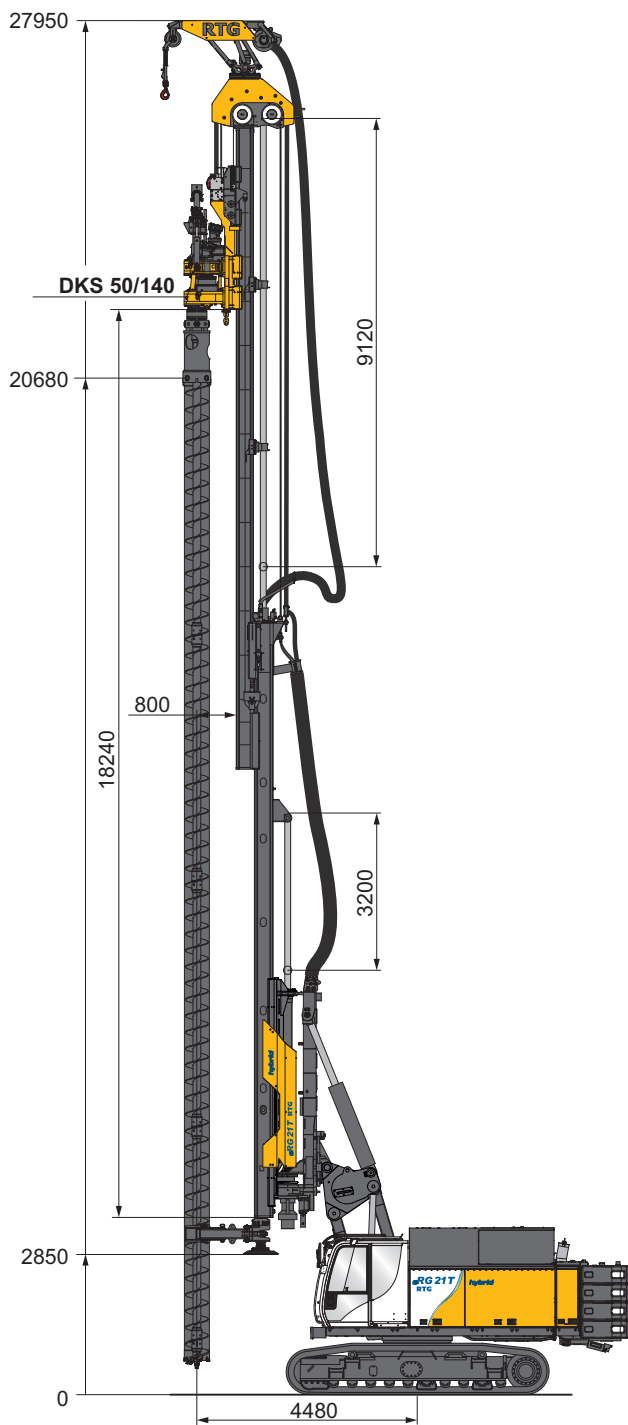


## CFA Bohrverfahren CFA Continuous Flight Auger drilling

Bohrtiefe  
Drilling depth

|                                               |        |
|-----------------------------------------------|--------|
| Mit Schneckenputzer<br>With auger cleaner     | 20,1 m |
| Ohne Schneckenputzer<br>Without auger cleaner | 20,4 m |

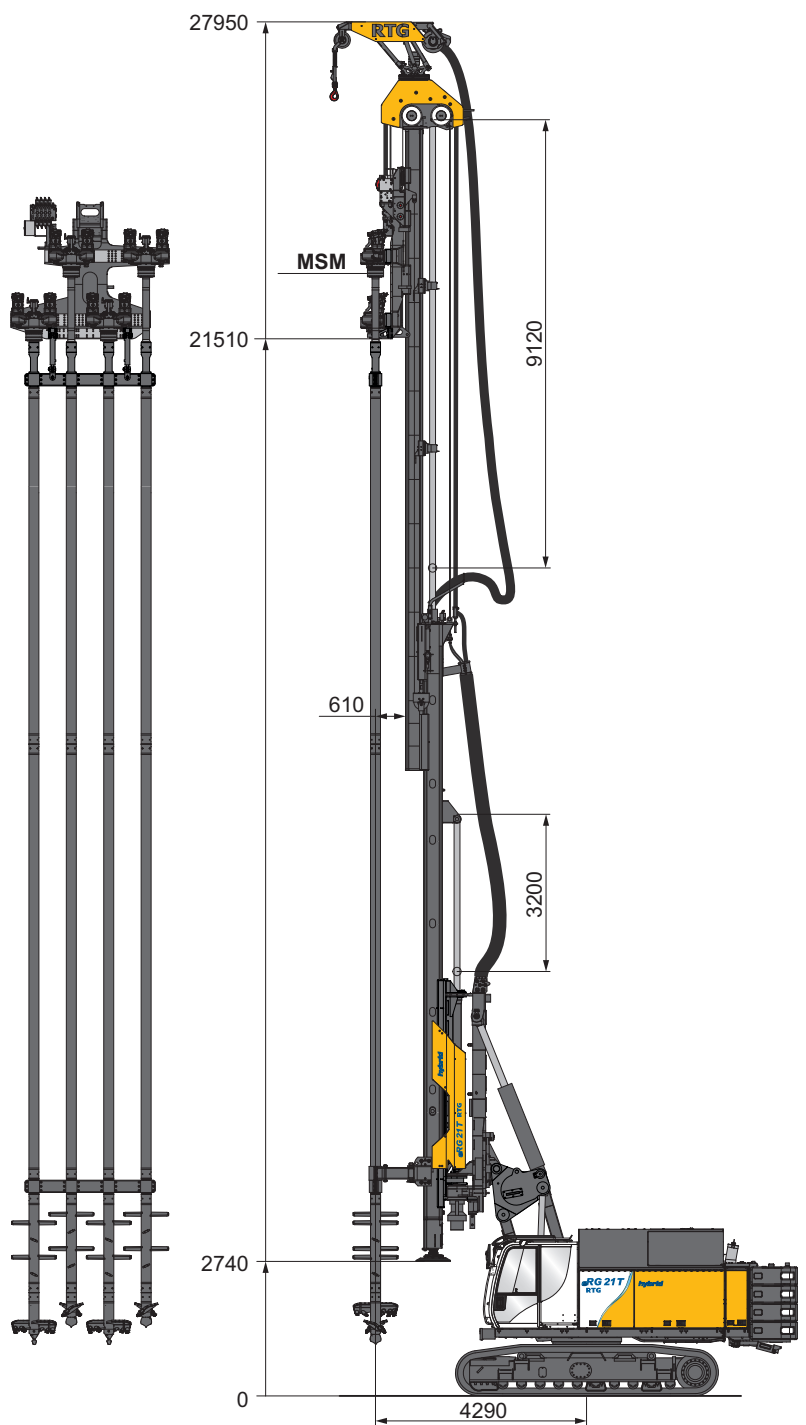




**VdW-Bohren**  
*Fow drilling*

Bohrtiefe  
*Drilling depth*

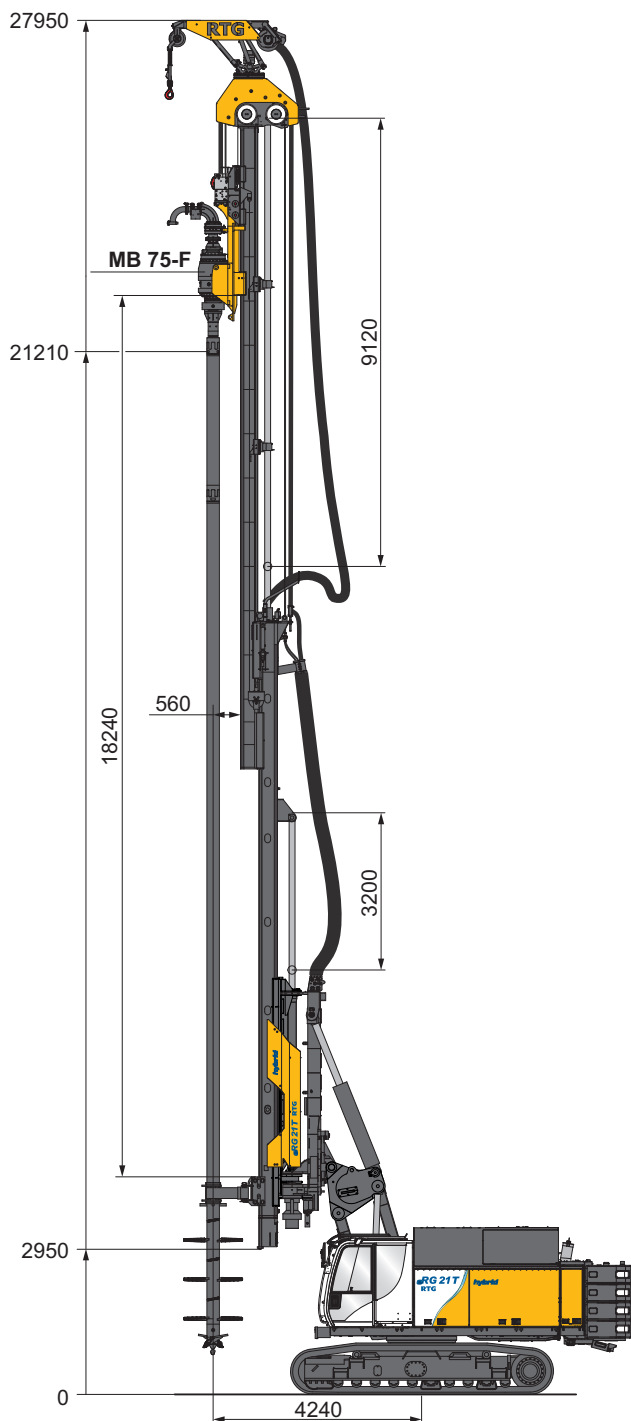
20,0 m



**MSM-Mischen**  
*MSM mixing*

Mischtiefe  
*Mixing depth*

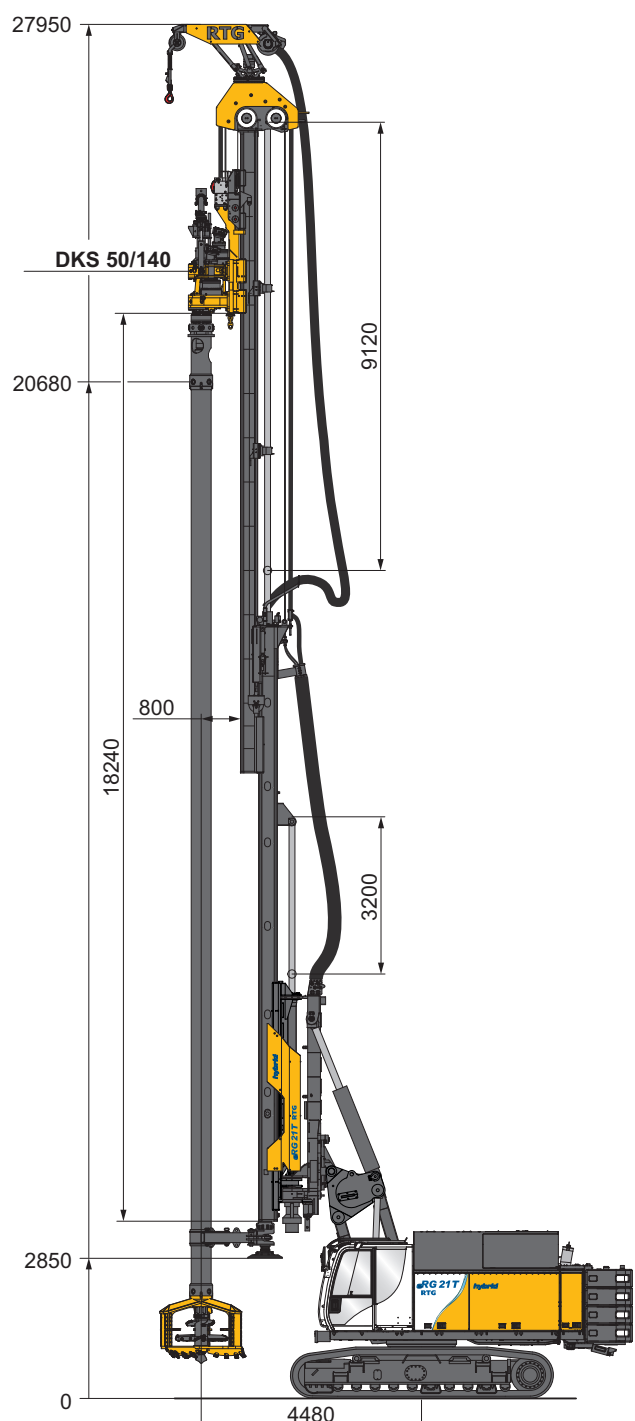
17,3 m



## SCM-Mischen SCM mixing

Mischtiefe  
Mixing depth

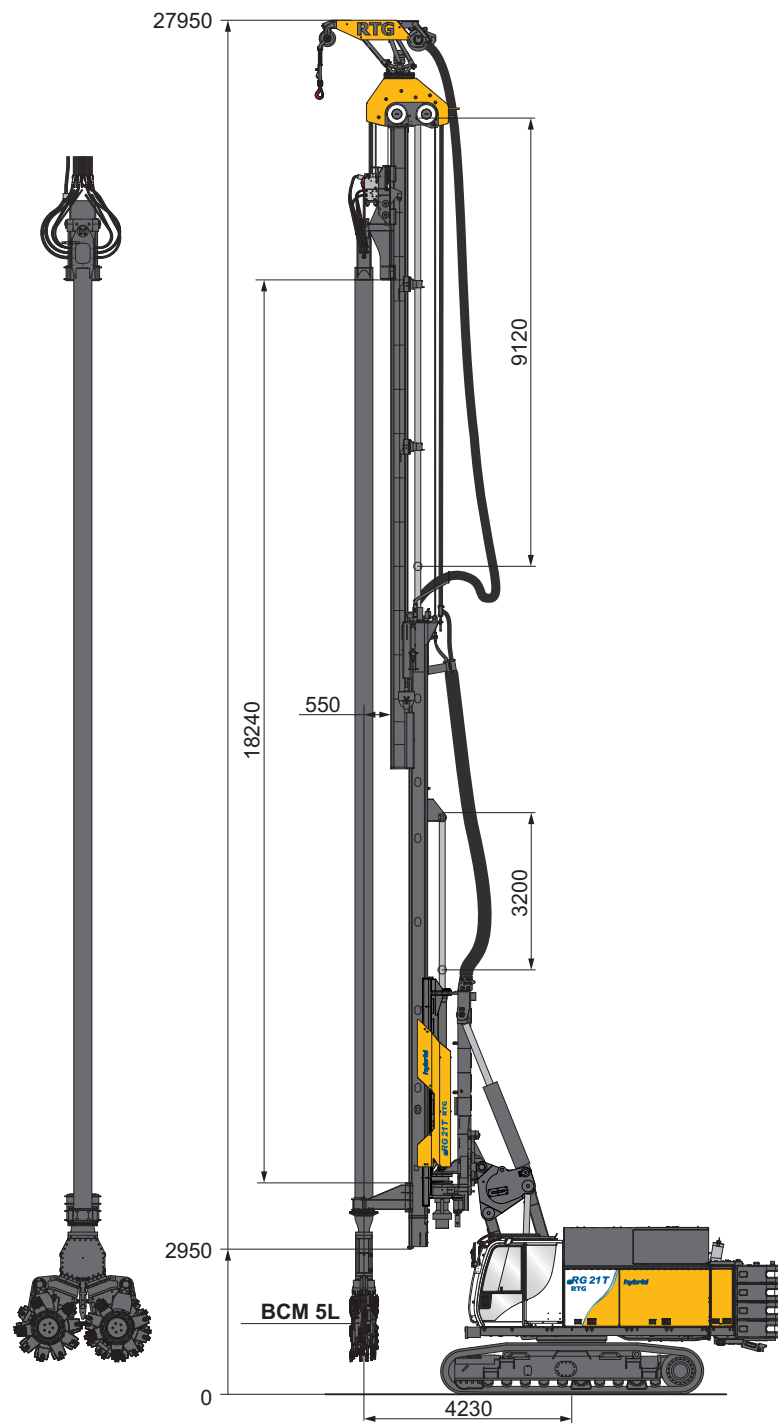
20,2 m



## SCM-DH-Mischen SCM-DH mixing

Mischtiefe  
Mixing depth

20,0 m



## CSM-Mischen CSM mixing

Mischtiefe  
Mixing depth 20,2 m



*RTG Rammtechnik*



**RTG**  
RAMMTECHNIK GMBH

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