



*PASSION for
PROGRESS*



CONSTRUCTION



EQUIPMENT



RESOURCES

Overview Drilling / Piling Rigs at BAUER Maschinen Group



RG-series
RM 20



KLEMM
Bohrtechnik

KR-series



BG - series



RTG Rammtechnik - Piling Rigs - used for successful Sheet piling and DTH – drilling jobs



Piling Rig RM 20



Piling Rig RG 19 T



RTG Rammtechnik

RM 20 with DTH equipment

Max. pulling force 400 kN

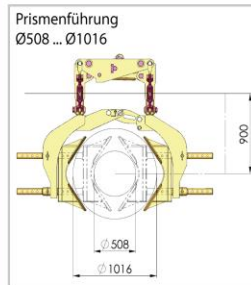
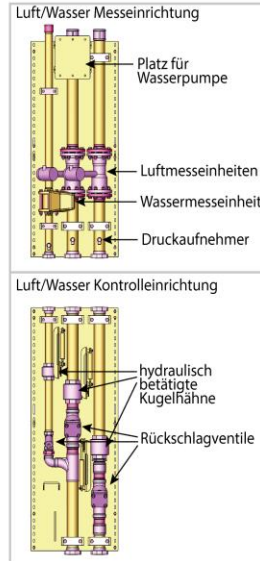


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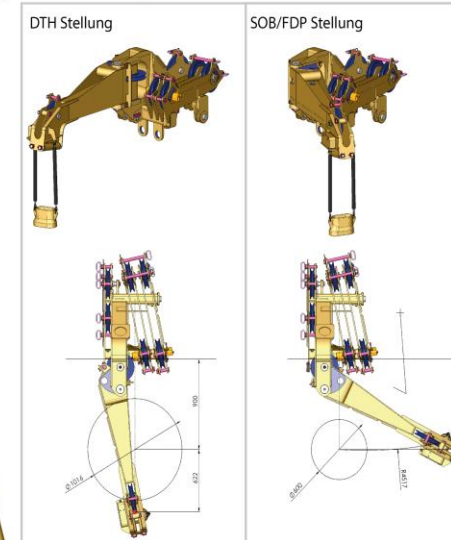


RM20 #247 / DTH

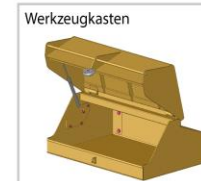
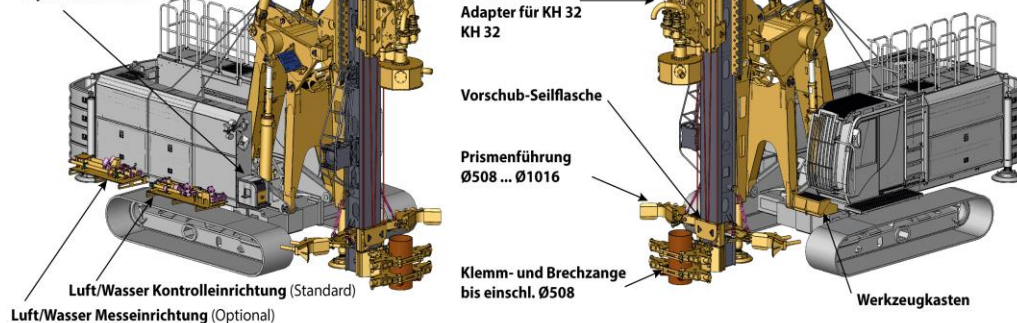
23.04.2014 / kzo



Vorschub-Mastkopf für DTH/SOB/FDP



Dynaset HWG 300



RTG Rammtechnik RM 20 with DTH equipment



Hallingdal: Bridge work site, Norway 2017
Robit® Flow Control system Pile diam. 1016mm



RTG Rammtechnik RM 20 with DTH equipment



Skanska: Bridge Project Hisingsbronn, Gothenburg



RTG Rammtechnik RM 20 with DTH equipment



Skanska: Bridge Project Hisingsbronn, Gothenburg

- DTH piles Ø 406 mm
- Single tube length 15 m
- connection by welding
- Min. depth 60 m
- Max. depth 110 m
- Inclination of piles 0 – 8°



RTG Rammtechnik RM 20 with DTH equipment



Skanska: Bridge Project Hisingsbronn, Gothenburg Section 1 – on shore



RTG Rammtechnik RM 20 with DTH equipment



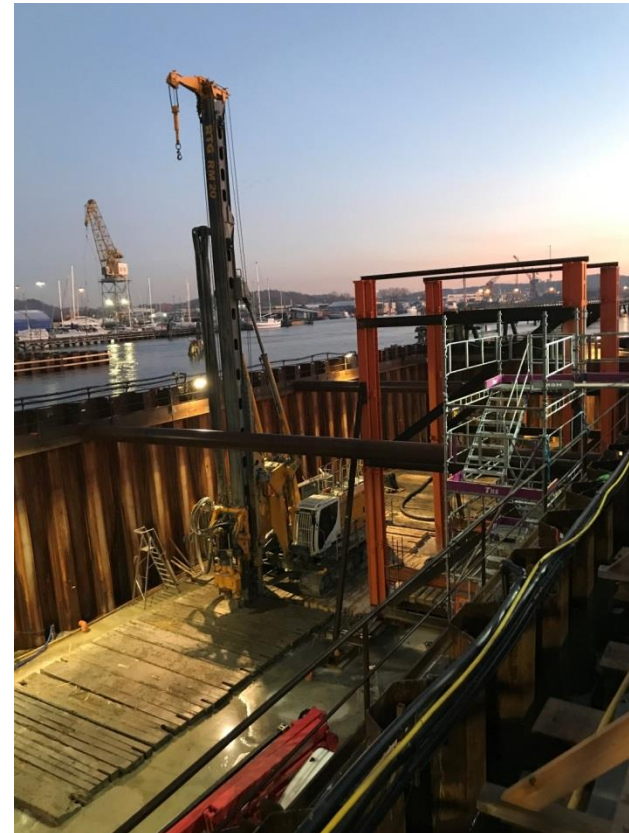
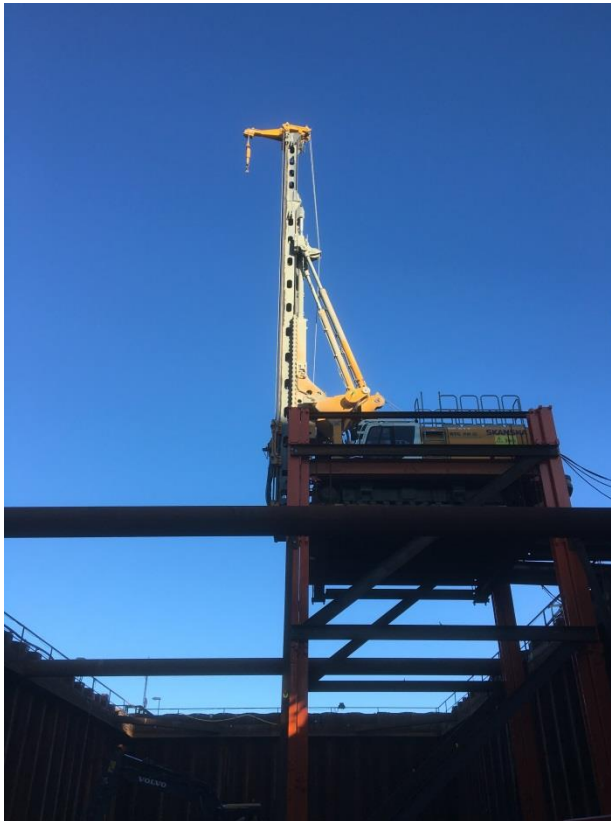
Skanska: Bridge Project Hisingsbronn, Gothenburg Section 2 and 3:



RTG Rammtechnik RM 20 with DTH equipment



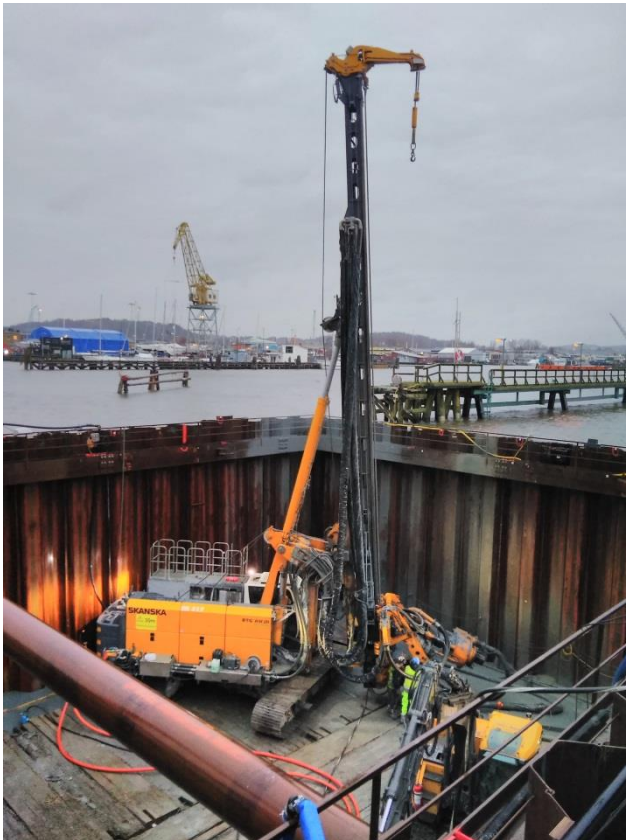
Skanska: Bridge Project Hisingsbronn, Gothenburg Section 2:



RTG Rammtechnik RM 20 with DTH equipment



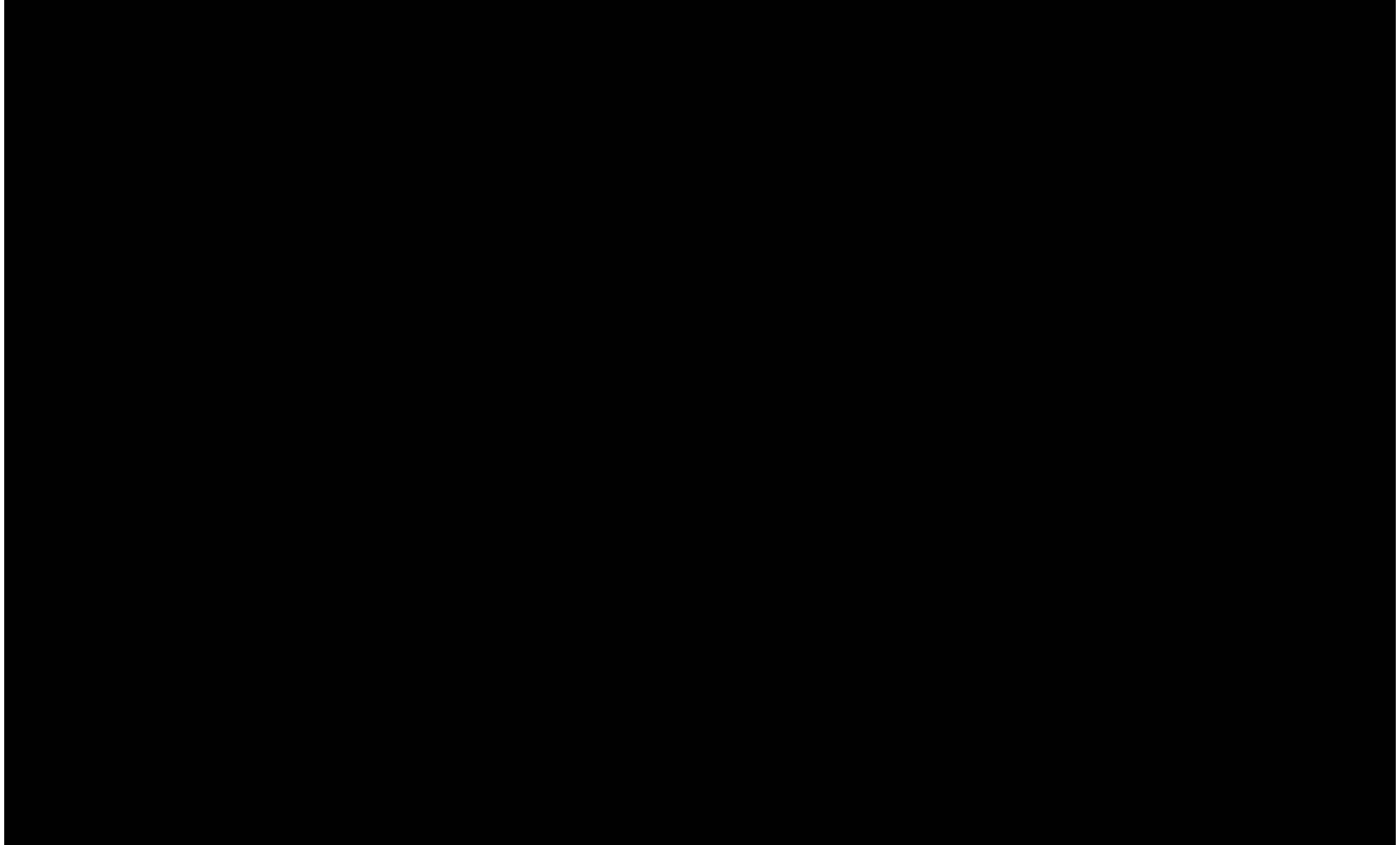
Skanska: Bridge Project Hisingsbronn, Gothenburg Section 2:



RM 20 – promotion video Robit



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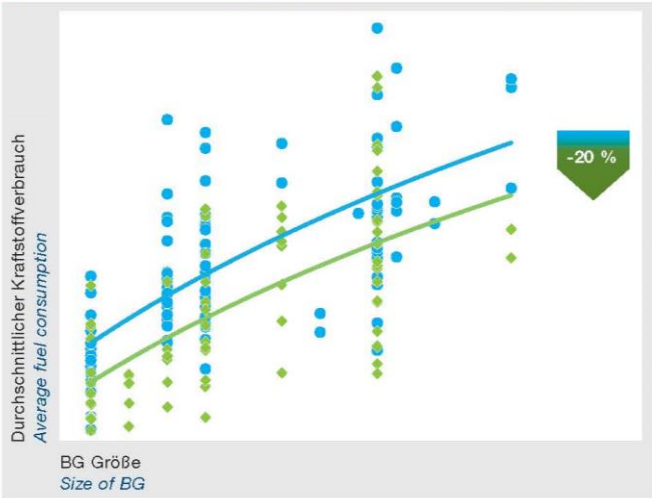
Do you know..... ?

Energy-Efficient Power (EEP)



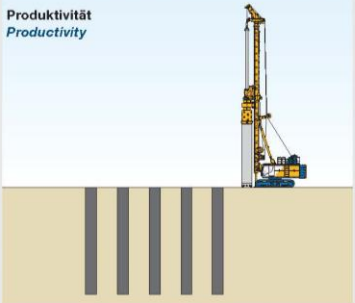
Kraftstoffverbrauch auf der Baustelle
Fuel consumption on site

● Bohrergeräte ohne EEP | *non-EEP rigs* ◆ EEP-Bohrgeräte | *EEP rigs*



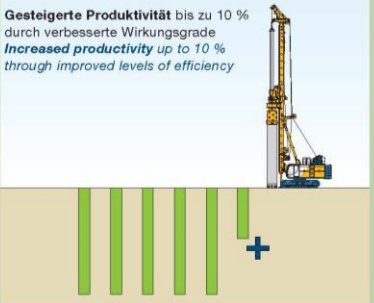
Ohne EEP | *without EEP*

Produktivität
Productivity



Mit EEP | *with EEP*

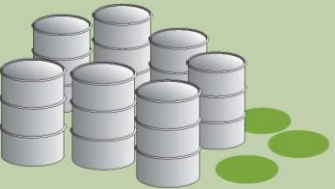
Gesteigerte Produktivität bis zu 10 %
Increased productivity up to 10 %
 durch verbesserte Wirkungsgrade
through improved levels of efficiency



Kraftstoffverbrauch
Fuel consumption



Senkung des Kraftstoffverbrauchs bis zu 30 %
Reduction in fuel consumption up to 30 %



Lärmreduzierung
Reduction in noise emission



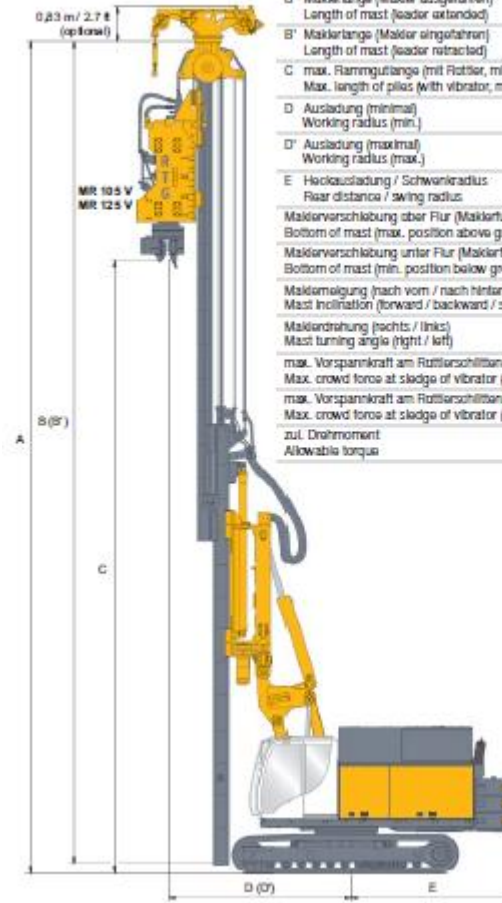
Deutlich reduzierte Lärmentwicklung bis zu 50 %
Significantly reduced noise emission up to 50 %



RTG's product range starting with RG 16 T...



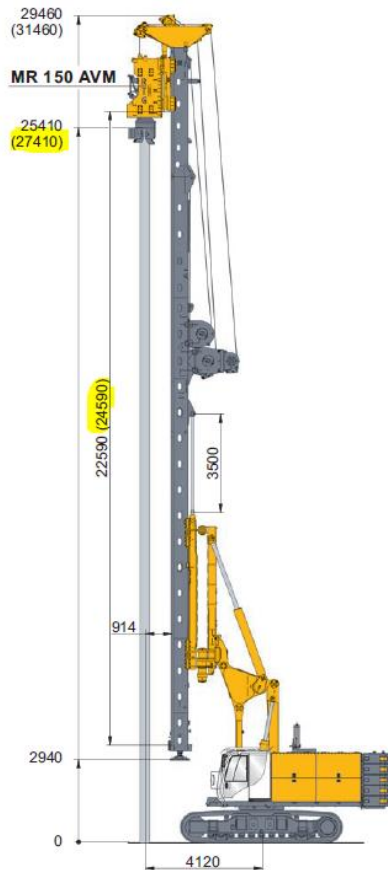
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Teleskopmäkler RG 16 T Telescopic leader RG 16 T

A	max. Mäklerröhe (ausgefahren, min. Ausladung) Max. mast height (leader extended, min. work radius)	20,69 m	67.9 ft
B	Mäklerränge (Mäklerr ausgefahren) Length of mast (leader extended)	17,40 m	57.1 ft
B'	Mäklerränge (Mäklerr eingefahren) Length of mast (leader retracted)	10,60 m	34.8 ft
C	max. Rammgütlänge (mit Rüttler, min. Ausladung) Max. length of piles (with vibrator, min. work radius)	16,00 m	52.5 ft
D	Ausladung (minimal) Working radius (min.)	3,89 m	12.6 ft
D'	Ausladung (maximal) Working radius (max.)	5,44 m	17.8 ft
E	Heckausladung / Schwenkradius Rear distance / swing radius	3,79 / 3,86 m	12.4 / 12.7 ft
	Mäklerverschiebung ober Flur (Mäklerrußpunkt) Bottom of mast (max. position above ground)	3,30 m	10.9 ft
	Mäklerverschiebung unter Flur (Mäklerrußpunkt) Bottom of mast (min. position below ground)	1,75 m	5.7 ft
	Mäklerrneigung (nach vorn / nach hinten / seitlich) Mast inclination (forward / backward / sideways)	4°/10°/4°	4°/10°/4°
	Mäklerrdrehung (rechts / links) Mast turning angle (right / left)	100°/100°	100°/100°
	max. Vorspannkraft am Rüttlerschilfen (Rammen) Max. crowd force at sledge of vibrator (push)	140 kN	31,474 lbf
	max. Vorspannkraft am Rüttlerschilfen (Ziehen) Max. crowd force at sledge of vibrator (pull)	200 kN	44,962 lbf
	zul. Drehmoment Allowable torque	80 kNm	59,505 lbf.ft

... completed with new RTG RG 27 S



Oberwagen	Uppercarriage	
Diesel-Motor (wassergekühlt) Diesel-engine (water-cooled)	CAT C18 US Tier 4 final*	CAT C18 US Tier 2
	Standard-Mode	Upgrading
Leistung Rated output	563 kW 755 HP	597 kW 800 HP
Drehzahl Rotation speed	1.800 U/min 1,800 rpm	1.800 U/min 1,800 rpm
Spezifischer Verbrauch Specific consumption	213,9 g/kWh 0.352 lb/hp-h	200,5 g/kWh 0.329 lb/hp-h
Max. hydr. Volumenstrom Max. hydr. flow rate	850 l/min 224.5 gal/min	850 l/min 224.5 gal/min
Dieseltankinhalt Diesel tank capacity	850 l 225 gal	850 l 225 gal
Hydrauliktankinhalt Hydraulic tank capacity	900 l 238 gal	900 l 238 gal
Hydraulikölkühler Hydraulic oil cooler	2 x 125 kW 2 x 168 HP	2 x 125 kW 2 x 168 HP
Rüttlerölkühlung Oil cooling system	Integriert integrated	Integriert integrated

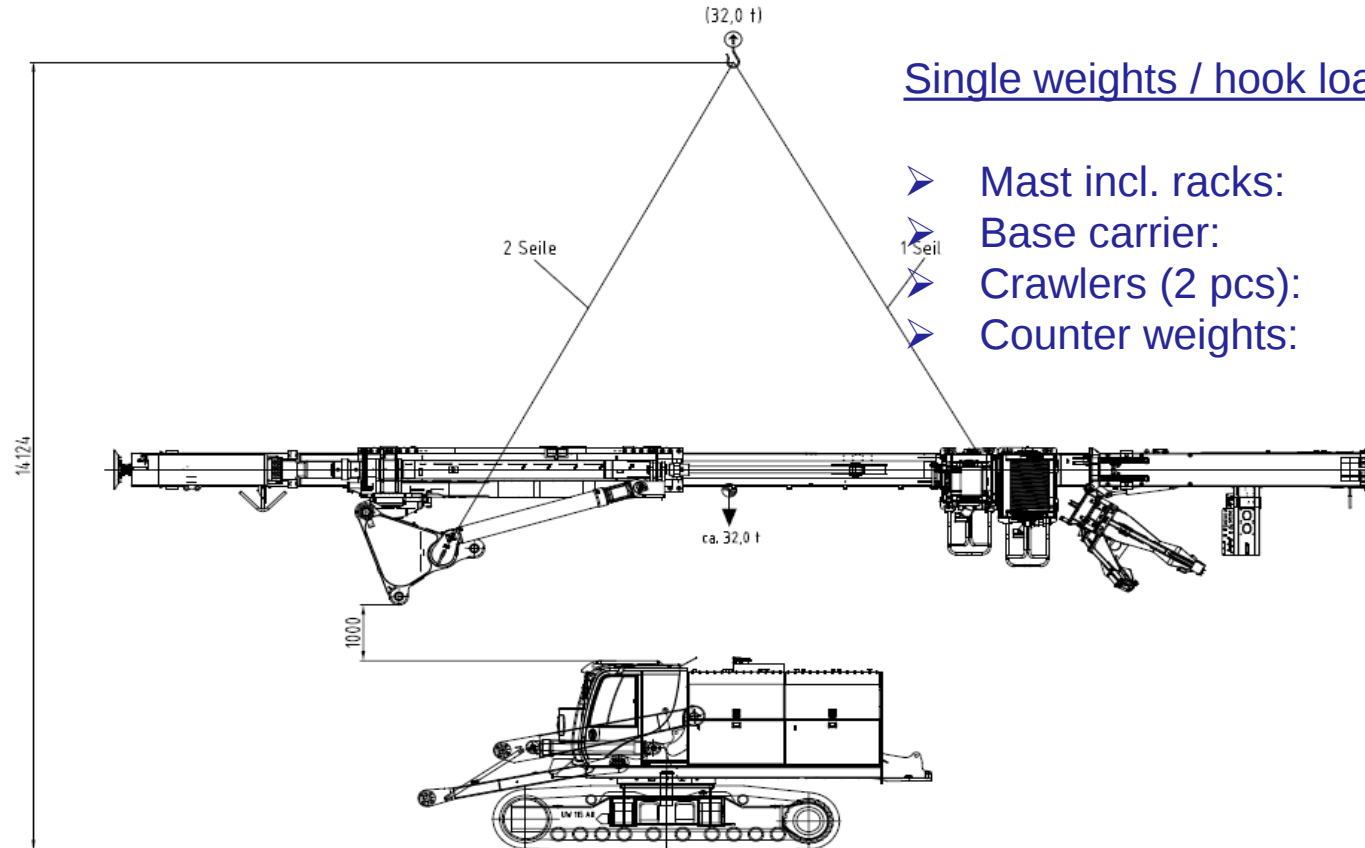
* Tier 4 interim auf Anfrage / Tier 4 interim on request

Rüttler für Spundwände Vibrator for sheet piling

Rammgutlänge
Pile length

max.: 25,0 (27,0) m
max.: 82.0 (88.6) ft

New model RTG RG 27 S



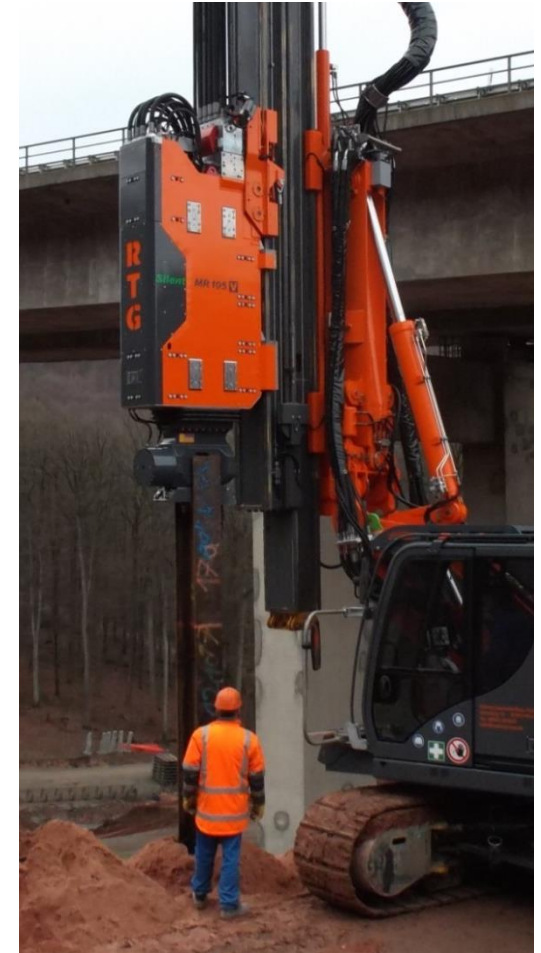
Single weights / hook load on crane:

- Mast incl. racks: ca. 36 t
- Base carrier: ca. 32 t
- Crawlers (2 pcs): ca. 18 t
- Counter weights: ca. 25 t

RTG Silent vibro



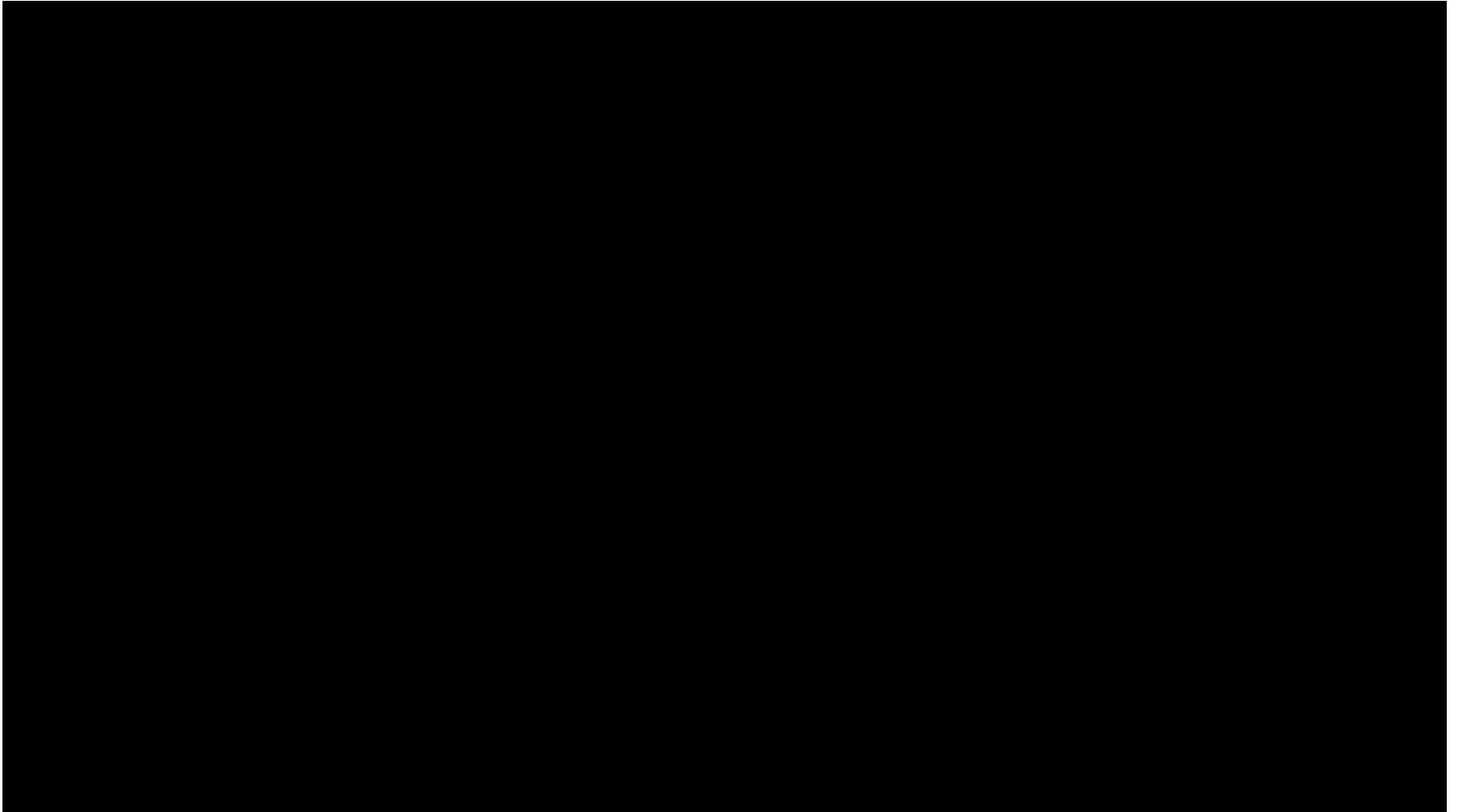
*Silent Vibro
only possible with
patented RTG lubrication
and cooling system!*



RTG Silent vibro



RTG
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BAUER Maschinen GmbH RTG Rammtechnik GmbH



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Or visit us at our inhouse exhibition
Schrobenhausen, Germany
21st. – 23rd. April 2018

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