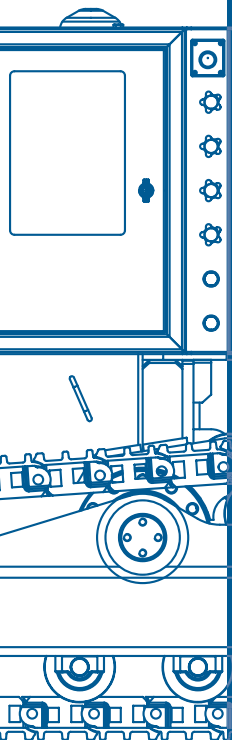




HBR 609-3

Hydraulisches Bohrgerät
Hydraulic drill rig





Technical specifications / Technische Daten

Engine Type	Motor Typ		
Diesel engine	Dieselmotor	CUMMINS B 6.7 - EU Stage V - US EPA Tier 4	
Rated output at 2000 rpm	Leistung bei 2000 U/min	209 kW	280 HP
Diesel engine	Dieselmotor	CUMMINS QSB 6.7 - EU Stage IIIA - US EPA Tier 3	
Rated output at 2000 rpm	Leistung bei 2000 U/min	201 kW	270 HP
Fuel tank capacity	Dieseltankinhalt	350 l	92 gal
AdBlue tank capacity	AdBluetankinhalt	57 l	15 gal

Hydraulic system	Hydrauliksystem	Load Sensing	Load sensing
Hydraulic pumps	Hydraulikpumpen		
1st circuit	1. Kreislauf	280 l/min	74 gpm
2nd circuit	2. Kreislauf	280 l/min	74 gpm
3rd circuit	3. Kreislauf	250 l/min	66 gpm
4th circuit	4. Kreislauf	59 l/min	15 gpm
5th circuit (optional)	5. Kreislauf (optional)	47 l/min	12 gpm
6th circuit (optional)	6. Kreislauf (optional)	87/122 l/min	23/32 gpm
7th circuit (optional)	7. Kreislauf (optional)	117 l/min	31 gpm
Hydraulic oil tank capacity	Hydrauliköltankinhalt	570 l	150 gal
Operating pressure	Systemdruck	250 bar	3,625 psi

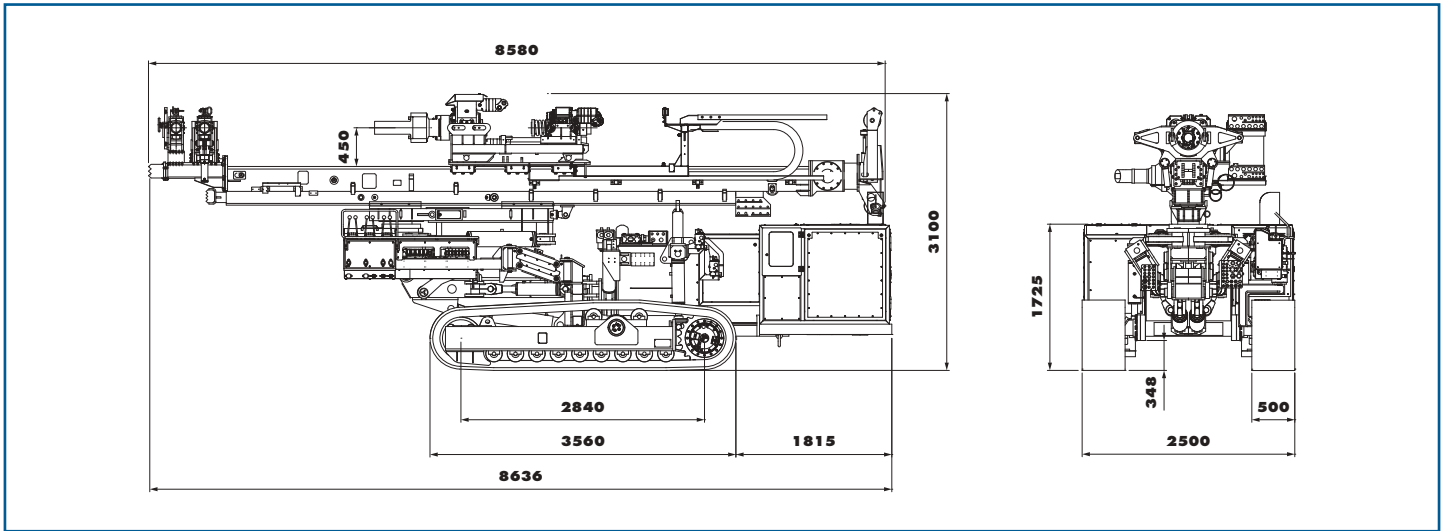
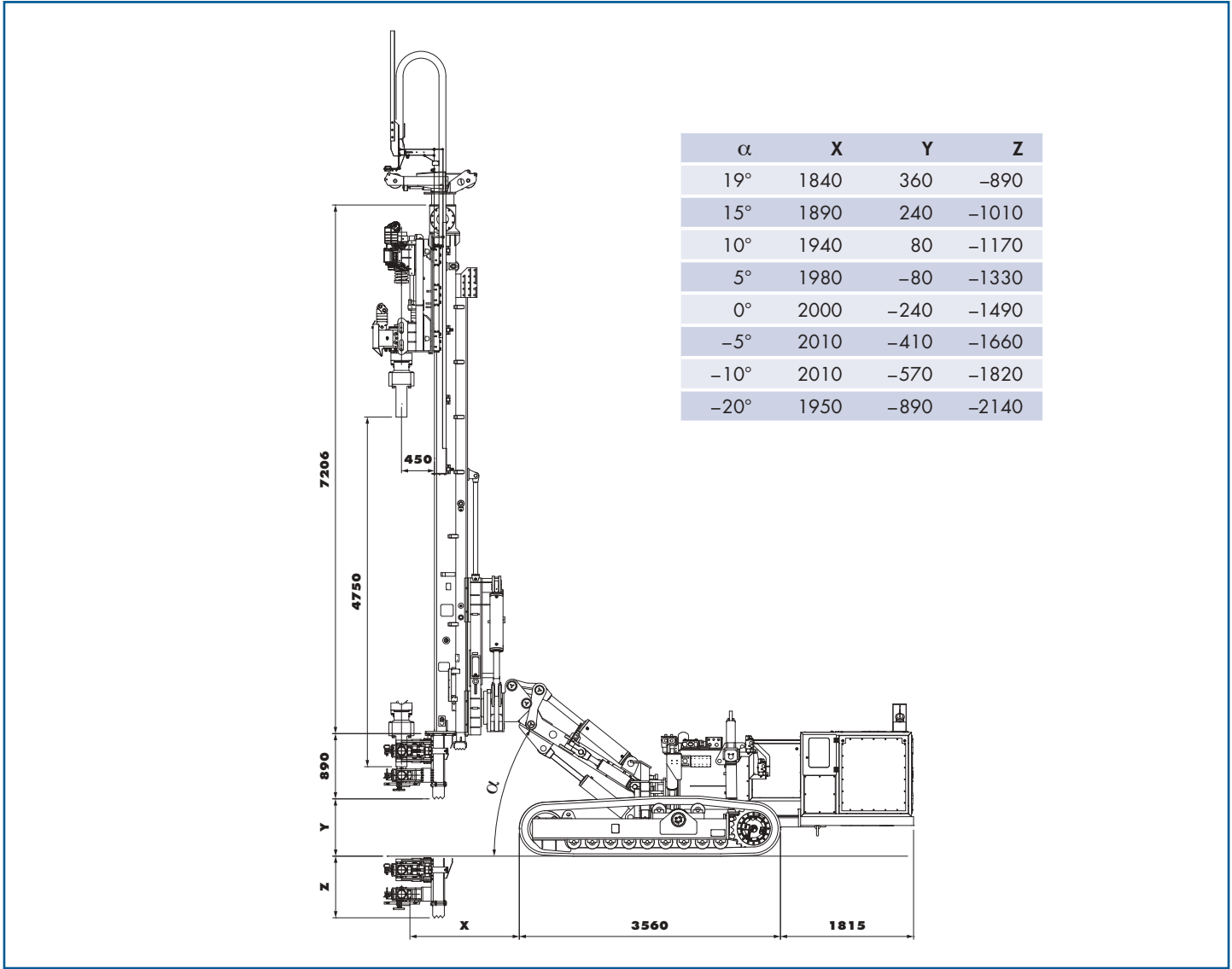
Machine crawler base	Raupenfahrwerk Maschine		
Travel speed max.	Fahrgeschwindigkeit max.	1,8 km/h	1.2 mph
Ground pressure	Bodendruck	80 kPa	11.5 psi
Overall width of undercarriage	Gesamtbreite	2500 mm	8.2 ft
3-web track shoes	3-Steg Bodenplatten	500 mm	20 in
Overall tracks length	Länge der Fahrschiffe	3560 mm	11.7 ft
Ground clearance	Bodenfreiheit	348 mm	13.7 in
Hydraulic track oscillator	Pendelmöglichkeit	+13,5° / -10°	+13.5° / -10°

Clamping and breaking devices	Klemm- und Brechvorrichtungen	CB2-1	CB3-2	M5 - M5S
Diameter	Durchmesser	67÷254 mm 2.6÷10 in	67÷324 mm 2.6÷12.7 in	89÷406 mm 3.5÷16 in
Clamping force	Klemmkraft	196 kN 44,100 lbf	196 kN 44,100 lbf	283 kN 63,600 lbf

Rotary heads	Kraftdrehköpfe		
Recommended	Empfohlen	HG32, HG28, HG20, T20P	

Hydraulic hammer	Hydraulikhammer		
Recommended	Empfohlen	HD8032, HH1865	

Double rotary head unit	Doppelkopfböhranlage		
Recommended	Empfohlen		
Rotary / Rotary-Percussion	Drehen / Drehen-Schlagen	HG32 / HH1865, HG28 / HH1865	
Rotary / Rotary	Drehen / Drehen	HG32 / HG28, HG32 / HG14, HG28 / HG13	



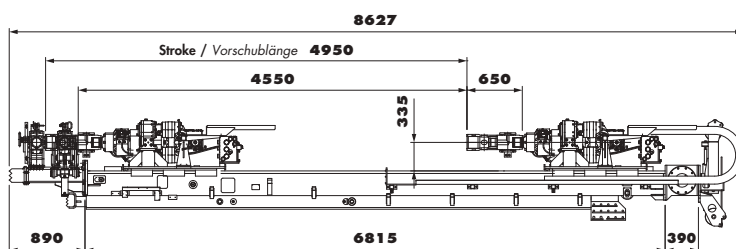
Overall length	Gesamtlänge	8580 mm	28 ft
Overall width	Gesamtbreite	2500 mm	8.2 ft
Overall height	Gesamthöhe	3100 mm	10.2 ft
Weight *	Gewicht *	21000 kg	46,300 lbs

* Depending on mounted equipment | Abhängig von der Geräteausrüstung

DM 260

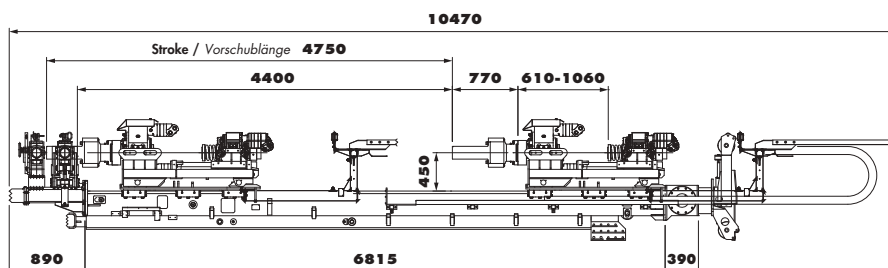
DRIFTER HB60

Hydraulikhammer
HB60



Double rotary head unit

Doppelkopf-
bohranlage

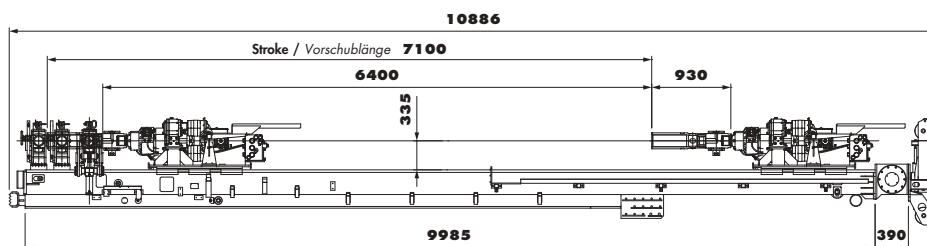


Extraction / crowd force	Rückzugkraft / Vorschubkraft	100 / 100 kN	22,500 / 22,500 lbs
Fast speed extraction / crowd	Rückzug schnell / Vorschub schnell	63 / 63 m/min	206 / 206 ft/min
Slow speed extraction / crowd	Rückzugsgeschwindigkeit / Vorschubgeschwindigkeit	17,5 / 17,5 m/min	57,4 / 57,4 ft/min

DM 260 (Options - Optionen) - Without magazine / Ohne Kastenmagazine

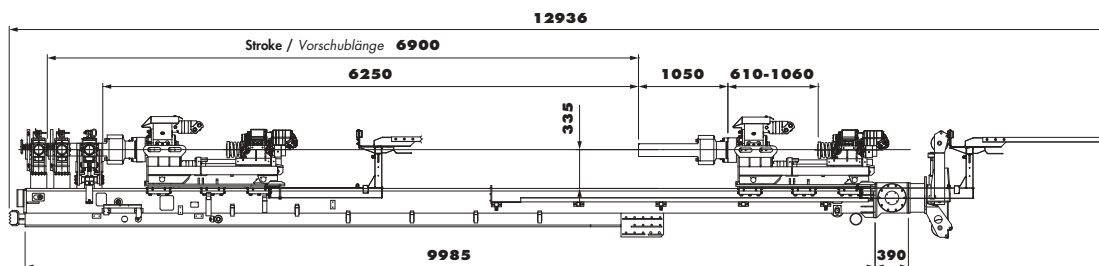
DRIFTER HB60

Hydraulikhammer
HB60

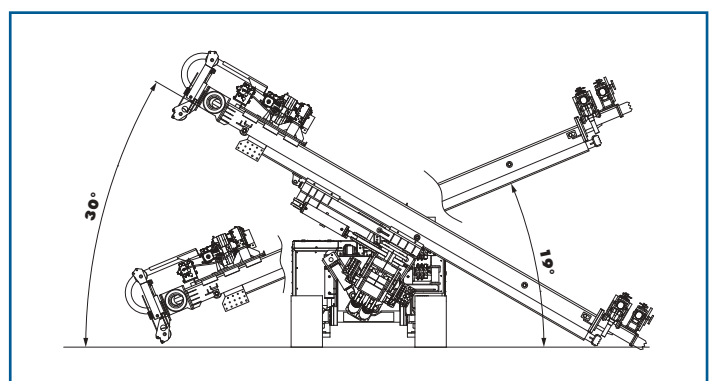
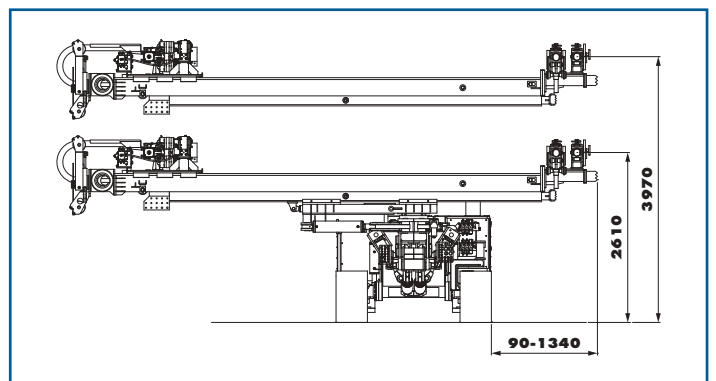
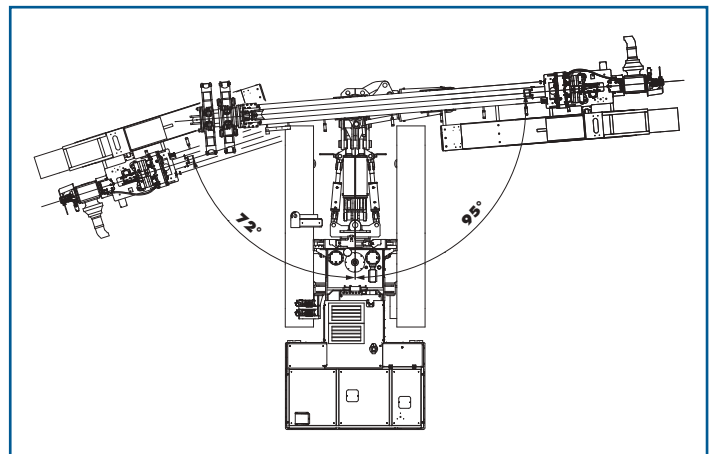
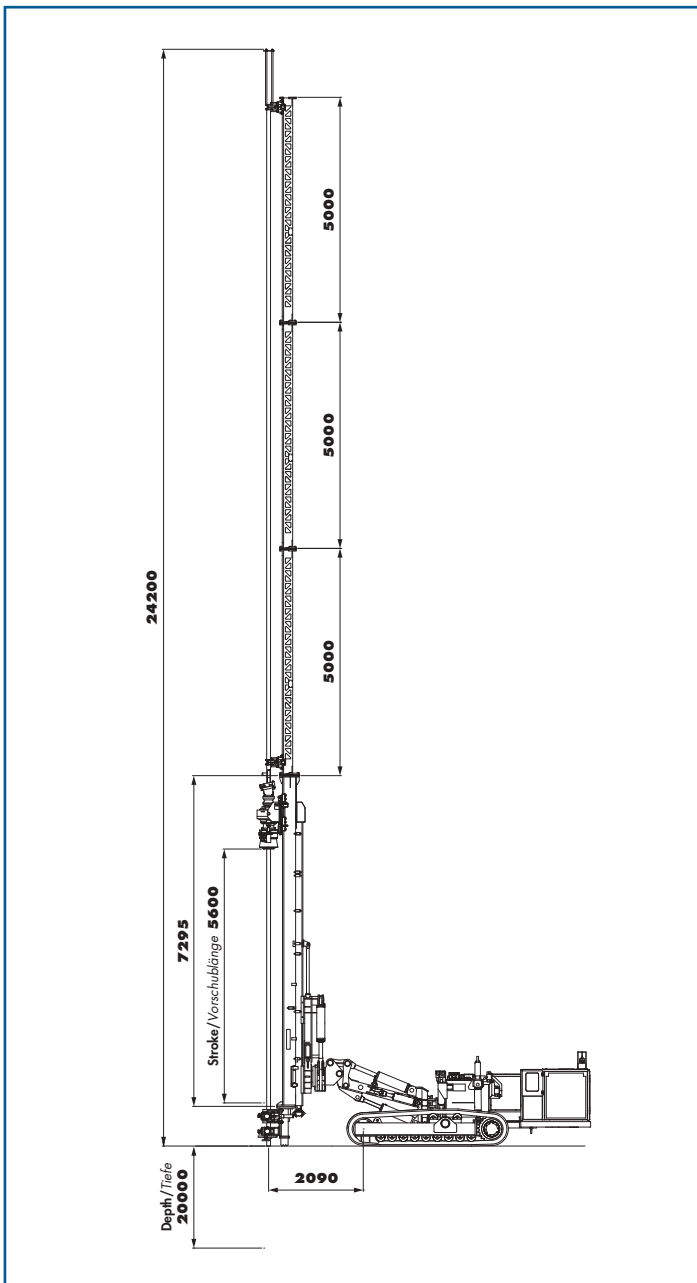
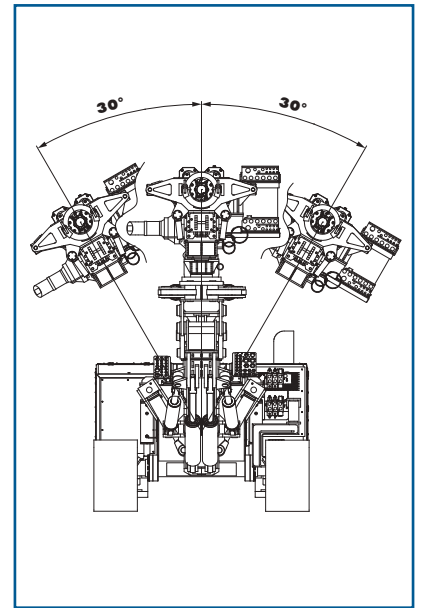
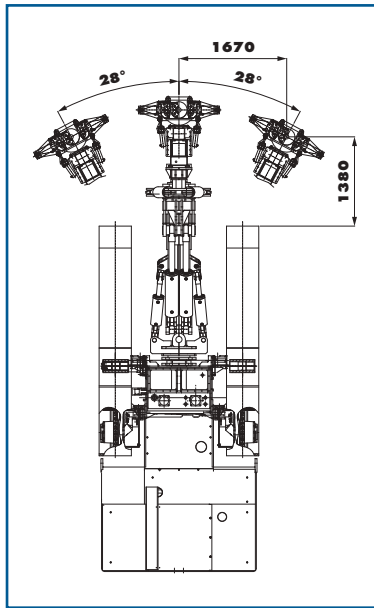
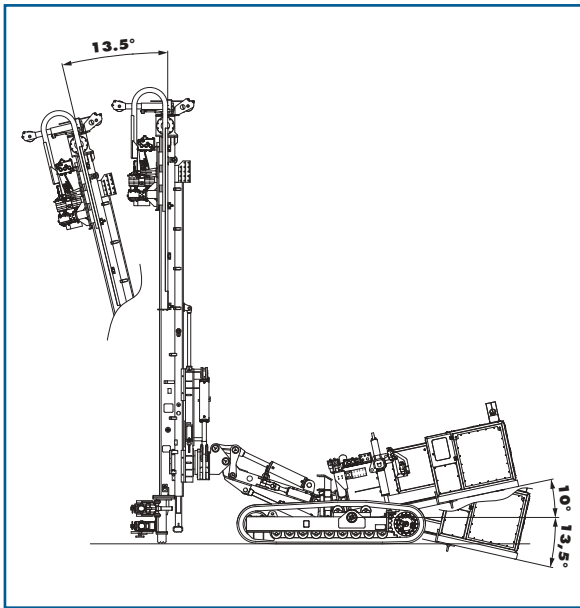


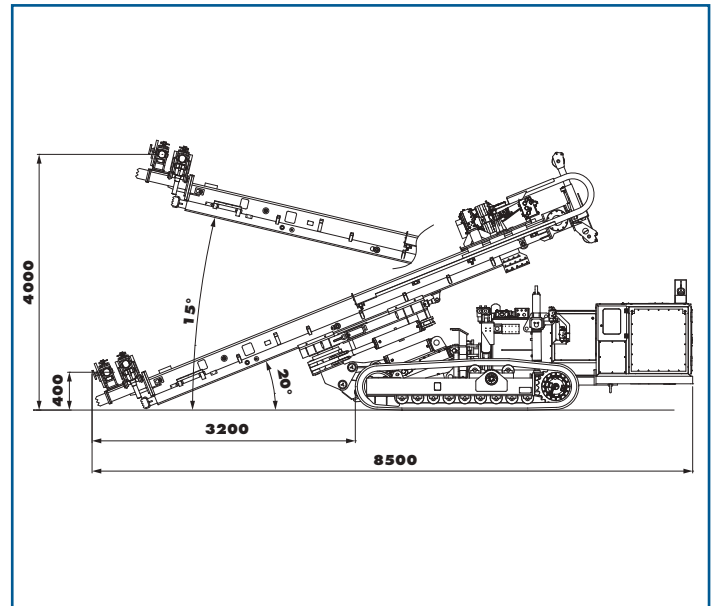
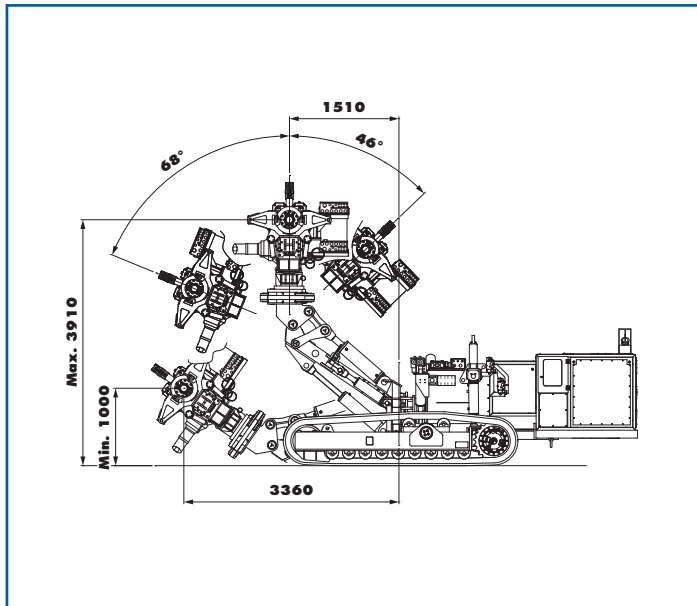
Double rotary head unit

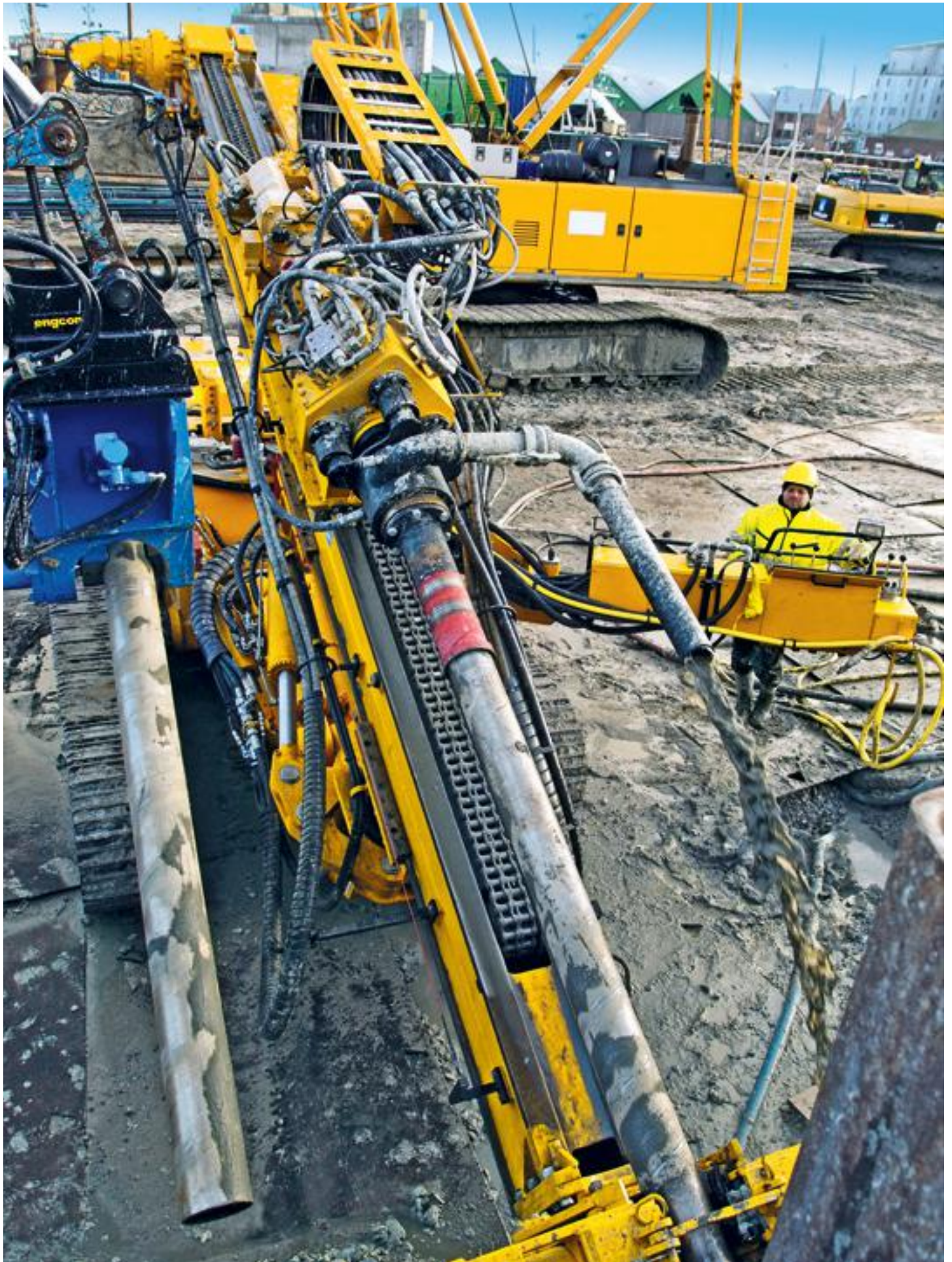
Doppelkopf-
bohranlage



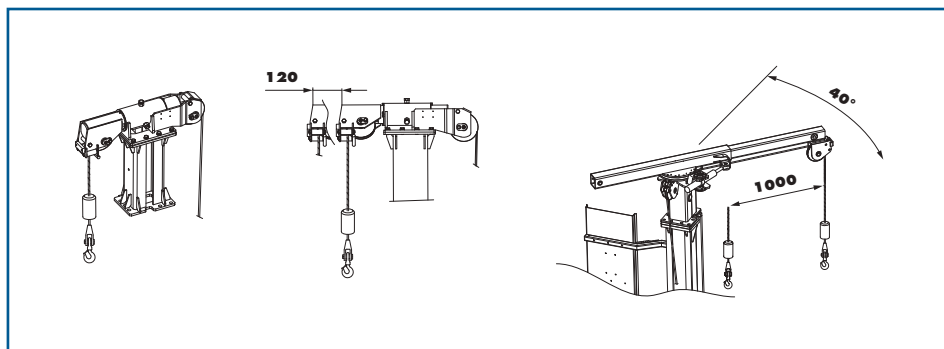
Extraction / crowd force	Rückzugkraft / Vorschubkraft	100 / 100 kN	22,500 / 22,500 lbs
Fast speed extraction / crowd	Rückzug schnell / Vorschub schnell	63 / 63 m/min	206 / 206 ft/min
Slow speed extraction / crowd	Rückzugsgeschwindigkeit / Vorschubgeschwindigkeit	17,5 / 17,5 m/min	57,4 / 57,4 ft/min





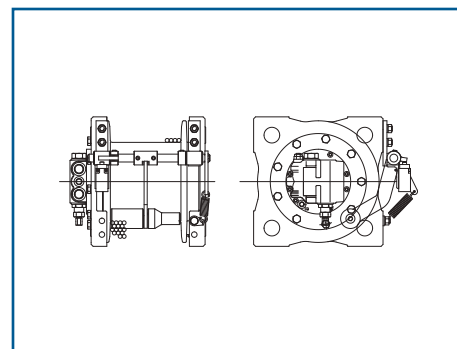


**Cat head
Turmkrone**



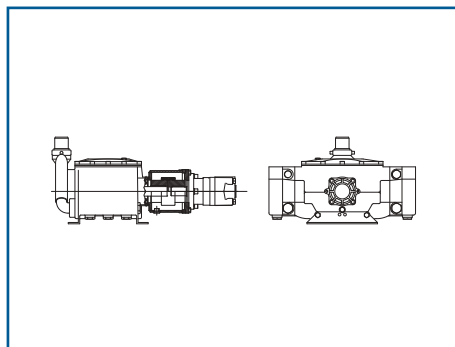
Telescopic and 40° swinging
Teleskopierbar und 40° schwenkbar

**Winch
Seilwinde**



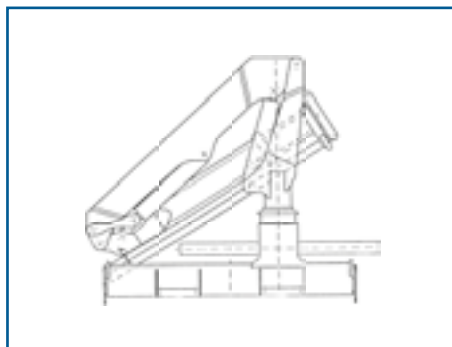
Winch type A2/A3 = 20/30 kN
Winde Typ A2/A3 = 4,500/6700 lbs

**Flushing pump type „Gamma“
Spülpumpe Typ „Gamma“**

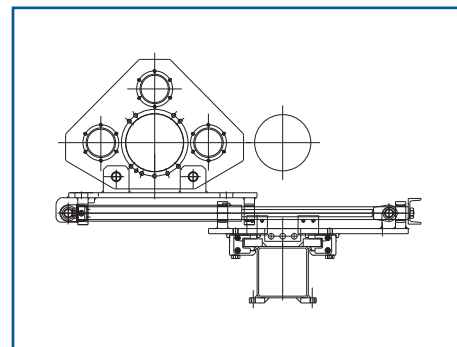


$Q_{max.} = 200 \text{ l/min. (52 gpm)}$
 $p_{max.} = 50 \text{ bar (725 psi)}$

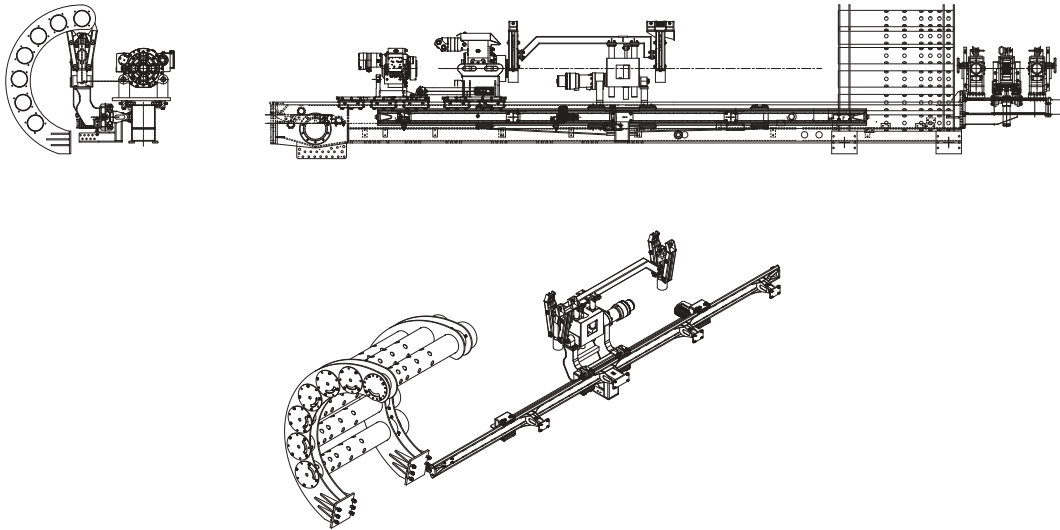
**Casing crane
Gestängekran**



**Lateral slide
Gleitschlitten seitlich verschiebbar**



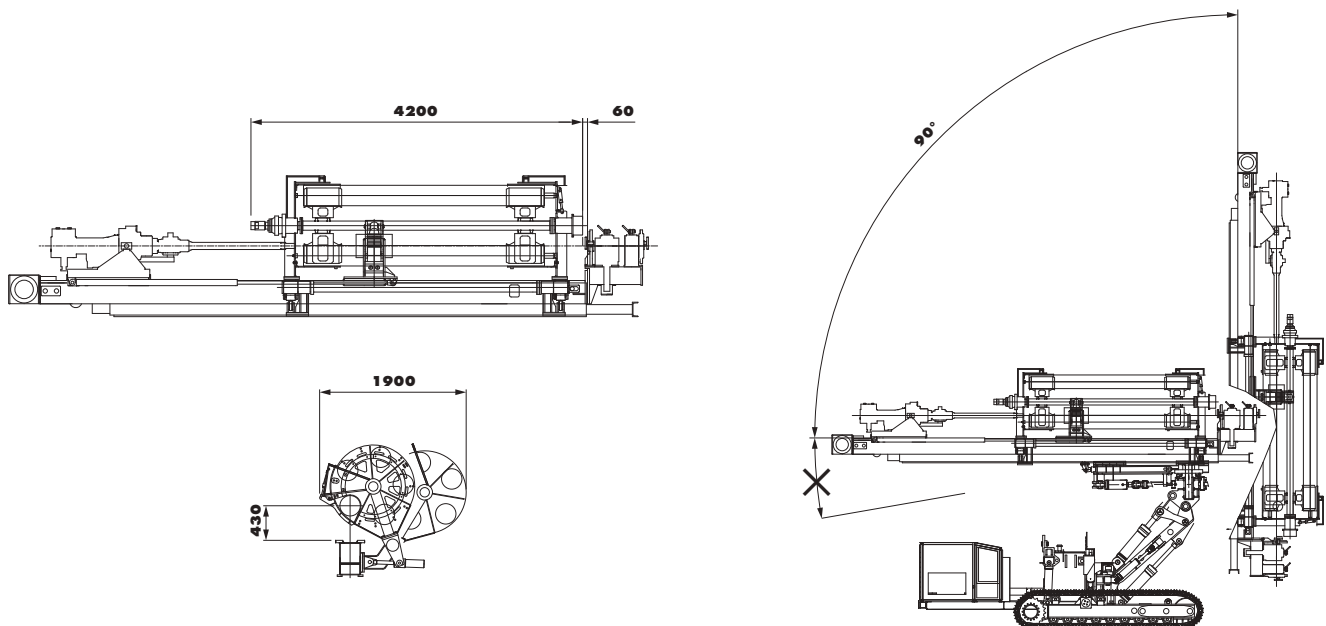
Magazine M3-2 / Magazin M3-2



Rod diameter (mm) Durchmesser Innengestänge (mm)	Casing diameter (mm) Durchmesser Außengestänge (mm)	Quantity of rods Anzahl der Rohre	Length (mm) Länge (mm)
88,9	133	7 + 7	3000
101,6 (88,9*)	152,4 (133*)	7 + 7	3000
114,3	177,8	6 + 6	3000
133	219,1	5 + 5	3000

* Mit speziellen Einsätzen / With special insert kits

Revolver magazine M4 / Trommelmagazin M4



Diameter (mm) Durchmesser (mm)	Quantity of rods Anzahl der Rohre	Length (mm) Länge (mm)
from 73 to 152,4	9	3000
> 152,4 to 254	5	3000



All data contained in this brochure are indicative and does not take power losses into account. All data can be changed without notice.

Technische Änderungen ohne Vorankündigung und Verpflichtung gegenüber früher gelieferten Geräten. Die abgebildeten Geräte können Sonderausstattungen haben. Irrtum und Druckfehler vorbehalten.



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