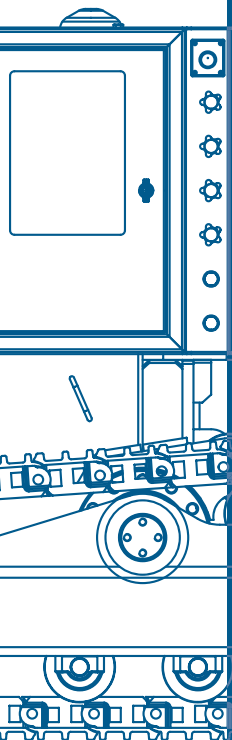




HBR 610-L

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	308 l/min	81 gpm
2nd circuit	2. Kreislauf	308 l/min	81 gpm
3rd circuit	3. Kreislauf	179 l/min	47 gpm
4th circuit	4. Kreislauf	54 l/min	14 gpm
5th circuit (optional)	5. Kreislauf (optional)	86/134 l/min	23/36 gpm
6th circuit (optional)	6. Kreislauf (optional)	132 l/min	35 gpm
Hydraulic oil tank capacity	Hydrauliköltankinhalt	550 l	145 gal
Operating pressure	Systemdruck	300-350 bar	4,351-5,076 psi

Machine crawler base	Raupenfahrwerk Maschine		
Travel speed max.	Fahrtgeschwindigkeit 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°

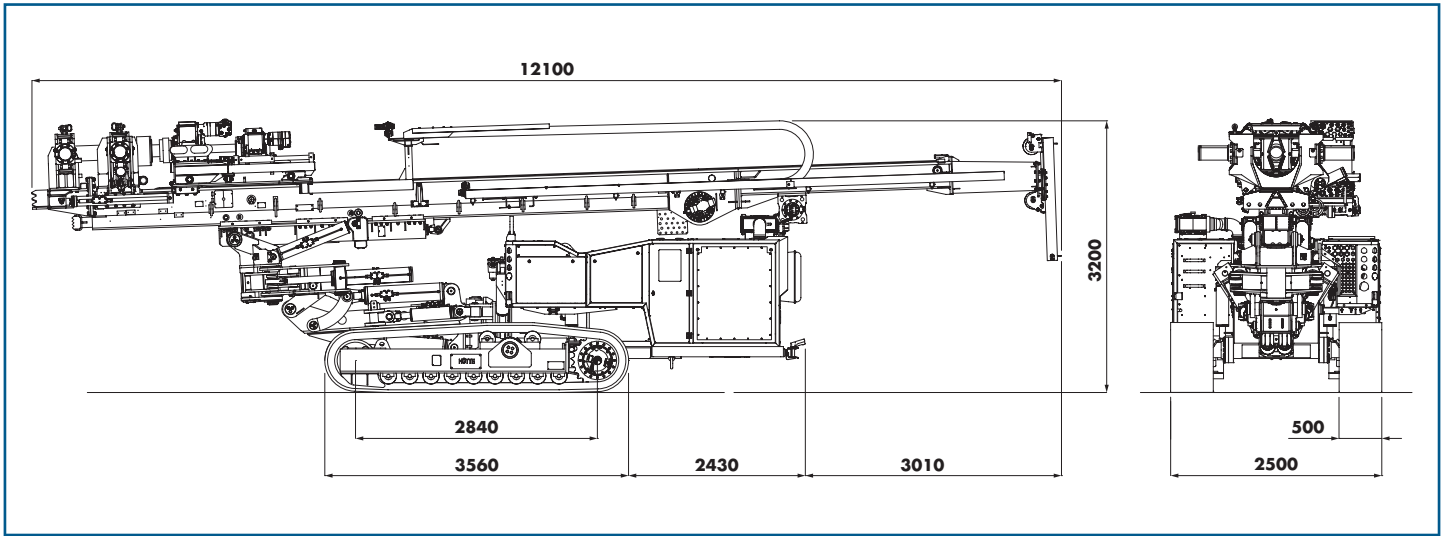
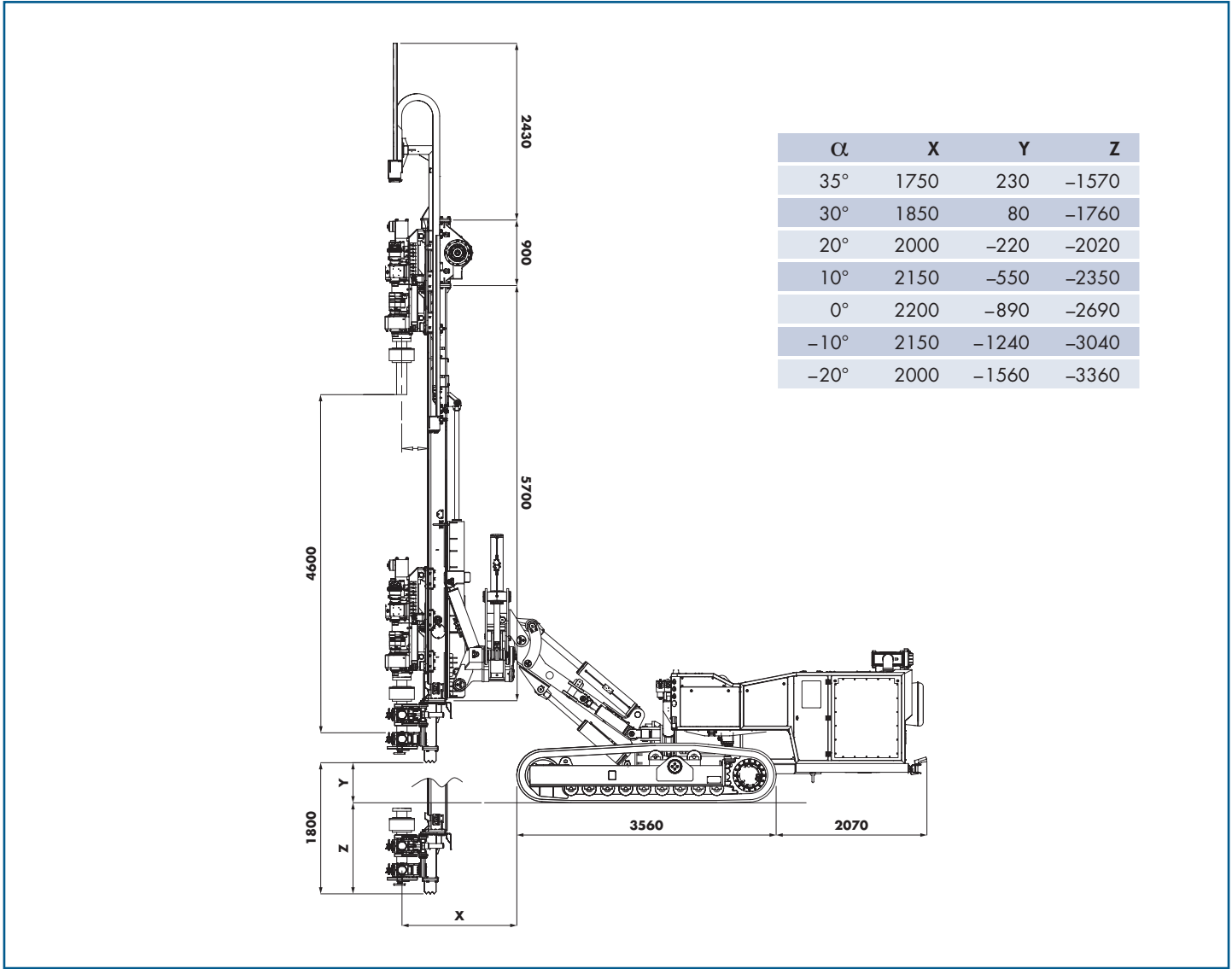
Clamping and breaking devices	Klemm- und Brechvorrichtungen	CB2	CB3
Diameter	Durchmesser	67÷254 mm 2.6÷10 in	67÷324 mm 2.6÷12.7 in
O-Ring type diameter	Durchmesser O-Ring	89÷254 mm 3.5÷10 in	89÷324 mm 3.5÷12.7 in
Clamping force	Klemmkraft	235 kN 52,800 lbf	235 kN 52,800 lbf
Breaking torque	Brechmoment	30 kNm 22,100 lbf-ft	43 kNm 31,700 lbf-ft

Clamping and breaking devices	Klemm- und Brechvorrichtungen	CB4	CB5
Diameter	Durchmesser	70÷406 mm 2.7÷16 in	70÷460 mm 2.7÷18 in
O-Ring type diameter	Durchmesser O-Ring	70÷406 mm 2.7÷16 in	89÷460 mm 3.5÷18 in
Clamping force	Klemmkraft	340 kN 76,400 lbf	340 kN 76,400 lbf
Breaking torque	Brechmoment	43 kNm 31,700 lbf-ft	46 kNm 34,000 lbf-ft

Rotary heads	Kraftdrehköpfe	HG32 - RH40-X
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Hydraulic hammer	Hydraulikhammer	RH32X - RH24X - HH1865
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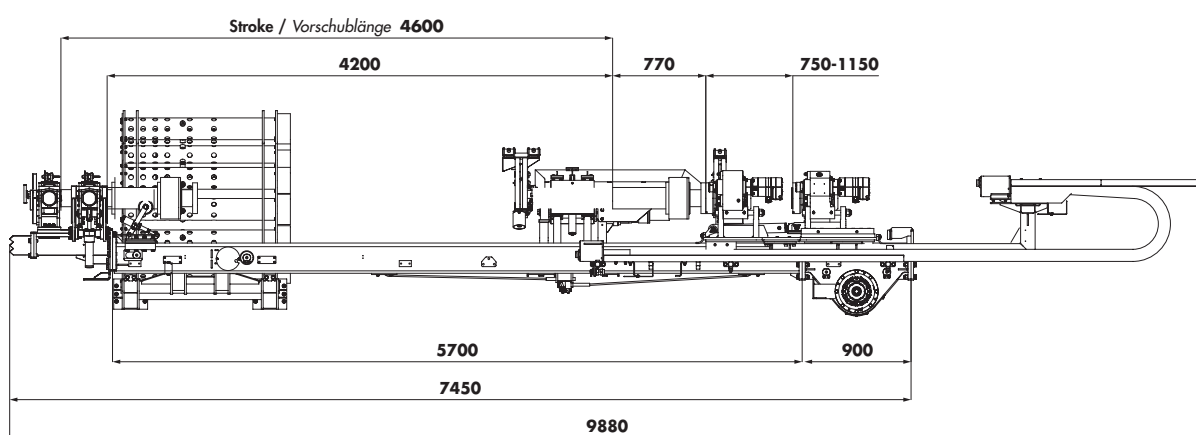
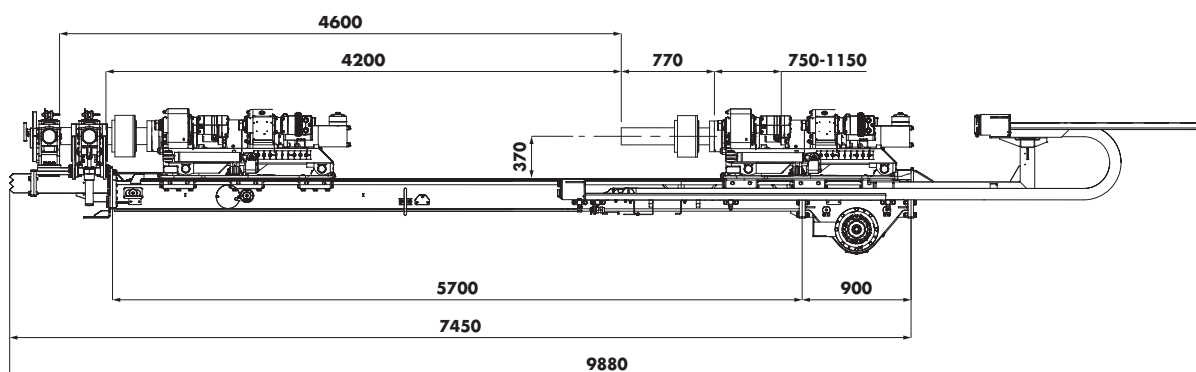
Double rotary head unit	Doppelkopfbohranlage	
Rotary / Rotary-Percussion	Drehen / Drehen-Schlagen	HG43, HG32 / HH1865
Rotary / Rotary	Drehen / Drehen	RH40X - HG43 - HG32 / HG28 - HG20 - HG13 - T20



Overall length	Gesamtlänge	12000 mm	39.4 ft
Overall width	Gesamtbreite	2500 mm	8.2 ft
Overall height	Gesamthöhe	3200 mm	10.2 ft
Weight *	Gewicht *	24/26 t	52.9/57.3 lb

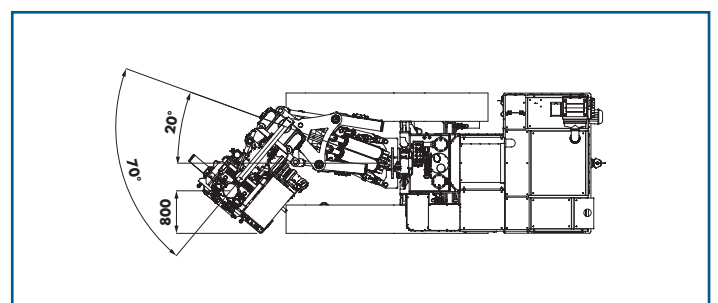
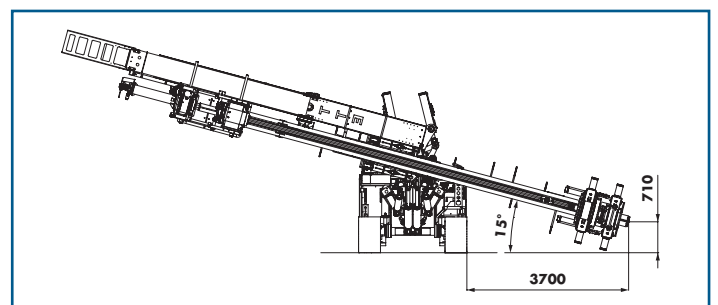
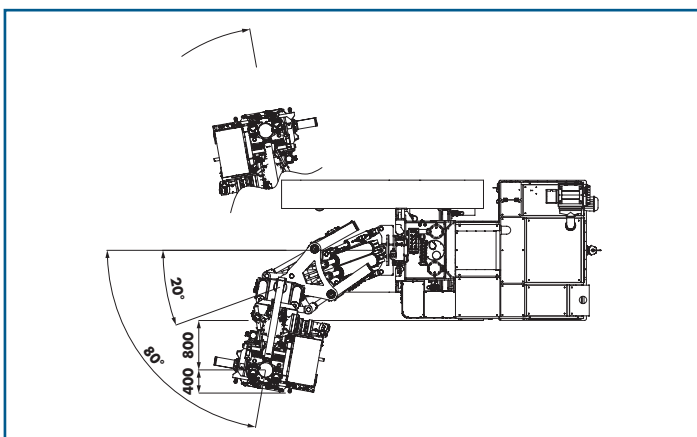
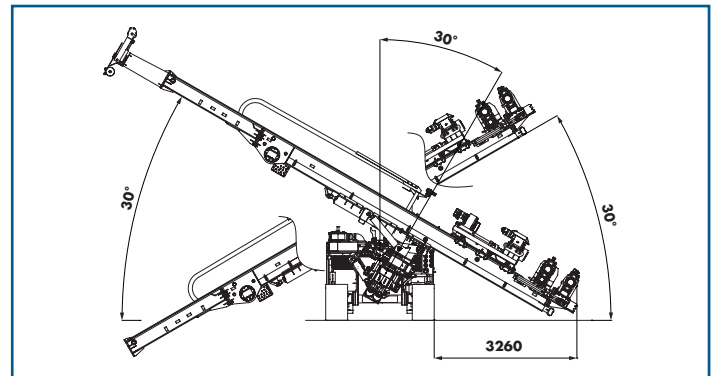
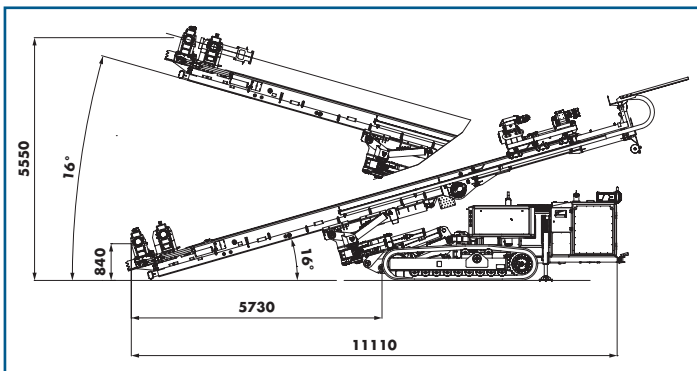
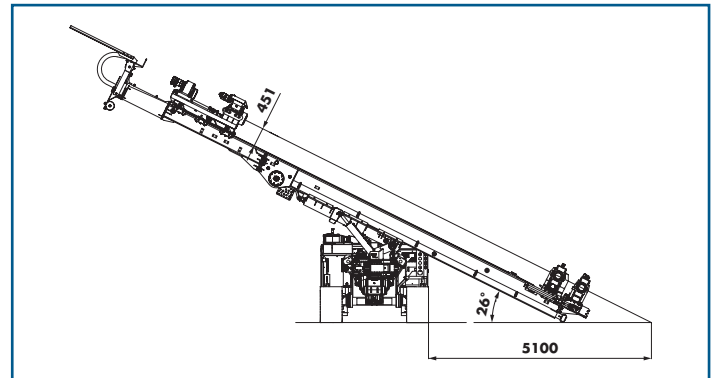
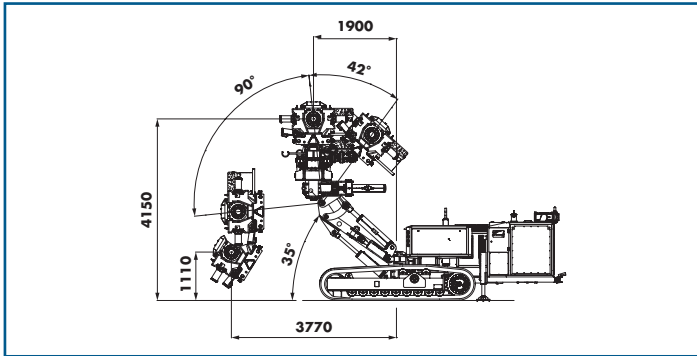
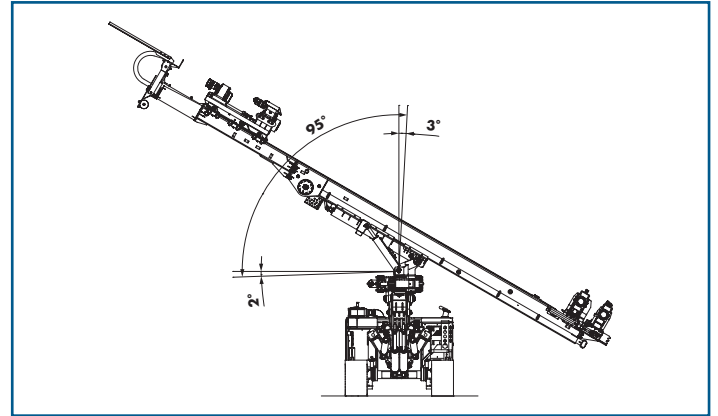
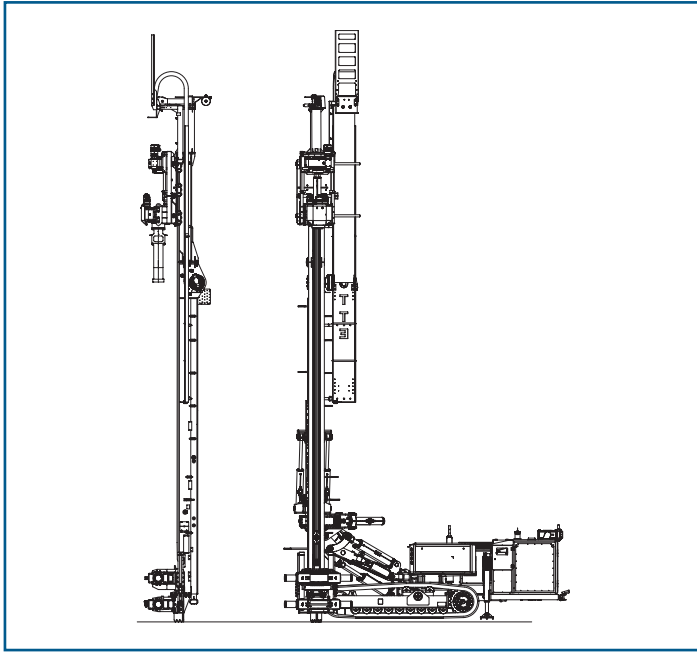
* DM 200 with a gear reducer | DM 200 mit Vorschubgetriebe

DM 200 with a gear reducer / DM 200 mit Vorschubgetriebe



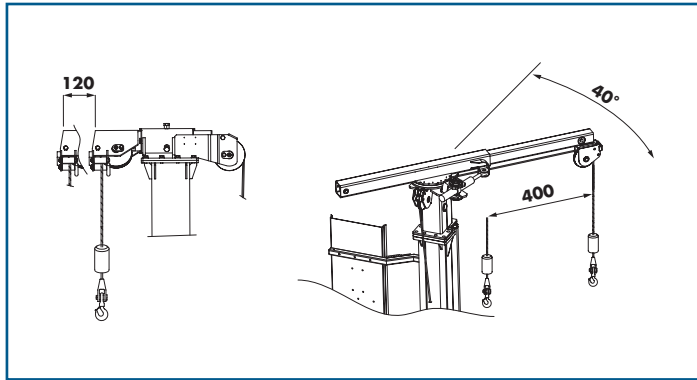
Drill mast (100 kN)	Bohrlafette (100 kN)	1° DISPLACEMENT SCHALTSTUFE VORSCHUB		2° DISPLACEMENT SCHALTSTUFE VORSCHUB		3° DISPLACEMENT SCHALTSTUFE VORSCHUB	
Extraction force / Crowd force	Rückzugkraft / Vorschubkraft	130 kN	29,225 lbf	90 kN	20,232 lbf	50 kN	11,240 lbf
Work crowd - extraction max. speed	Vorschub- / Rückzugsgeschwindigkeit	7 m/min	23 ft/min	10 m/min	32 ft/min	17,5 m/min	57,5 ft/min
Fast crowd - extraction theoretical max. speed	Vorschub / Rückzug schnell theor. max.	34 m/min	111 ft/min	50 m/min	165 ft/min	85 m/min	278 ft/min



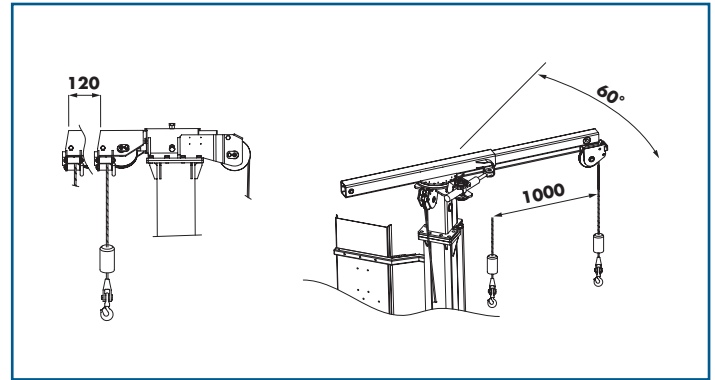




Cat head Turmkrone

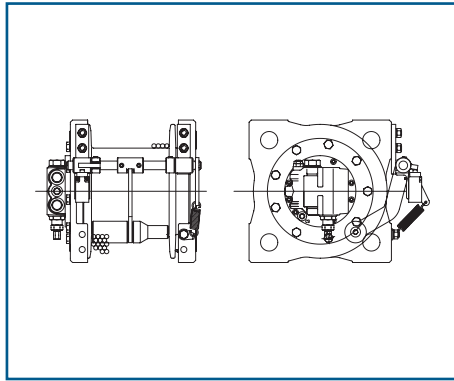


Telescopic, 40° swinging and 400 mm stroke
Teleskopierbar, 40° schwenkbar und 400 mm Vorschublänge



Telescopic, 60° swinging and 1000 mm stroke
Teleskopierbar, 60° schwenkbar und 1000 mm Vorschublänge

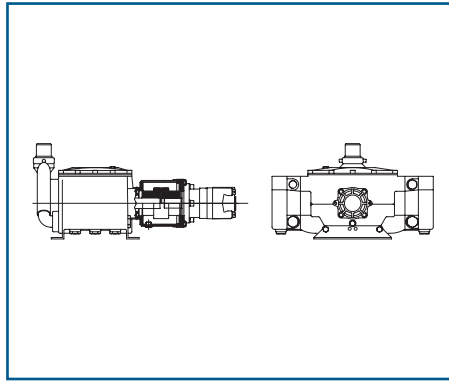
Winch Seilwinde



Winch type A1 = 2250 lbf
Winde Typ A1 = 10 kN

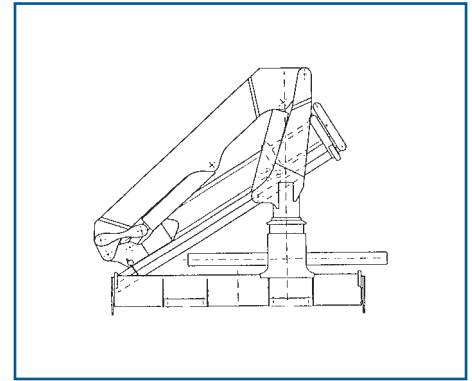
Winch type A2/A3 = 4,500/6700 lbf
Winde Typ A2/A3 = 20/30 kN

Flushing pump type „Gamma“ Spülpumpe Typ „Gamma“



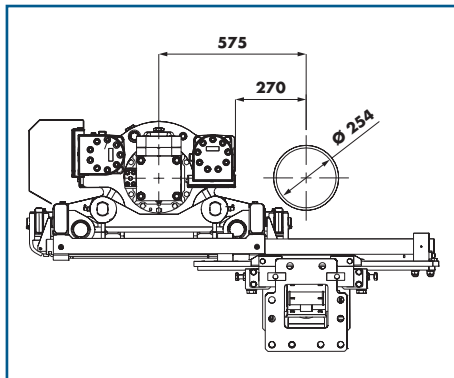
Qmax. = 200 l/min. (52 gpm)
pmax. = 50 bar (725 psi)

Casing crane Gestängekran

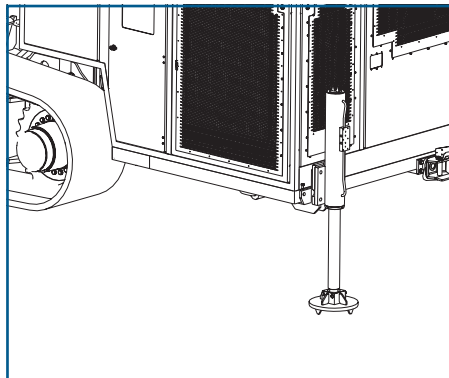


Capacity: M max. = 2.5 mt
Kapazität: M max. = 2,5 mt

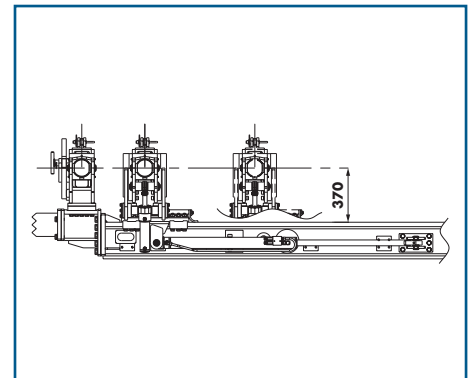
Lateral slide Gleitschlitten seitlich verschiebbar



Rear Stabilizers Rückseitige Abstützung



Sliding clamps Verschiebbare Klemm- und Brechvorrichtungen



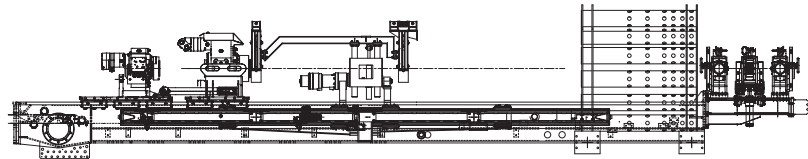
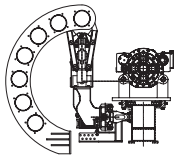
CB2 - CB3 - CB4 - CB5

Sliding stroke/Hub 750 mm
Max. extraction force/Max. Rückzug 100 kN

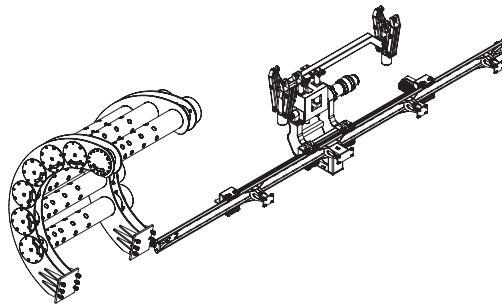
M5 - M6

Sliding stroke/Hub 1000 mm
Max. extraction force/Max. Rückzug 200 kN

Magazine M3-2 / Magazin M3-2



- Not for sliding clamp application
Nicht verfügbar mit verschiebbarer Klemm- und Brechvorrichtung
- Option for lateral movement application depending on the rotary head
Option für Schlitten mit seitlicher Verschiebung
- Risk of collision between rotary head and rod loader with the RH52-X and RH40-X
Verschiebung nicht verfügbar für RH52-X und RH40-X, ansonsten auf Anfrage

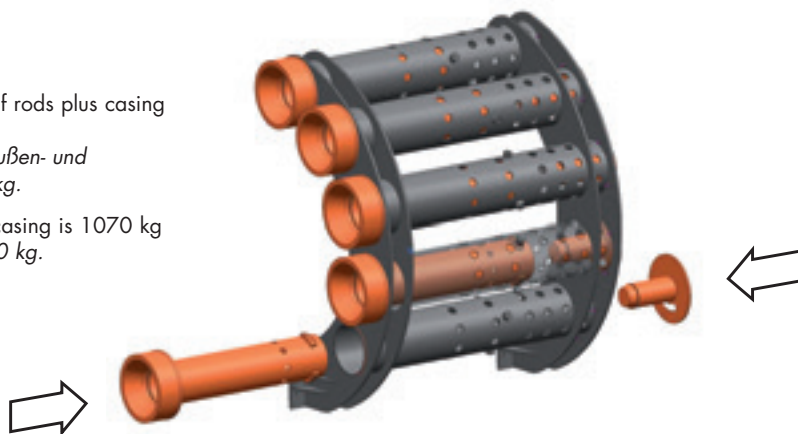


Rods diameter (mm) <i>Durchmesser Innengestänge (mm)</i>	Casing diameter (mm) <i>Durchmesser Außengestänge (mm)</i>	Quantity of rods <i>Anzahl der Rohre</i>	Length (mm) <i>Länge (mm)</i>
88,9	133	7 + 7	3000
101,6 (88,9*)	152,4 (133*)	7 + 7	3000
114,3	177,8	6 + 6	3000
133	219,1	5 + 5	3000

* With special insert kits / *Mit speziellen Einsätzen*

Reduction Kit available for each box / Reduziereinsätze für Köcher verfügbar

- The maximum load capacity of rods plus casing is 1150 kg
Die maximale Zuladung an Außen- und Innengestänge beträgt 1150 kg.
- The weight without rods and casing is 1070 kg
Das Taragewicht beträgt 1070 kg.



Rods diameter (mm) <i>Durchmesser Innengestänge (mm)</i>						Number rods and casings <i>Anzahl Außen- und Innengestänge</i>	Rods and casings length <i>Länge Außen- und Innengestänge</i>
BRC 219	mm	178 / 114	152 / 102 152 / 89			5	3000
BRC 178	mm		152 / 102 152 / 89	152 / 89 152 / 76	114 / 76	6	3000
BRC 152	mm			152 / 89 152 / 76	114 / 76	7	3000



Magazine M3-2
Magazin M3-2

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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