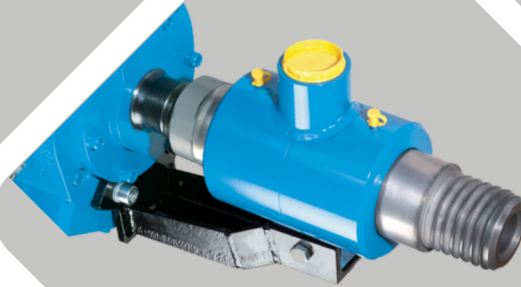
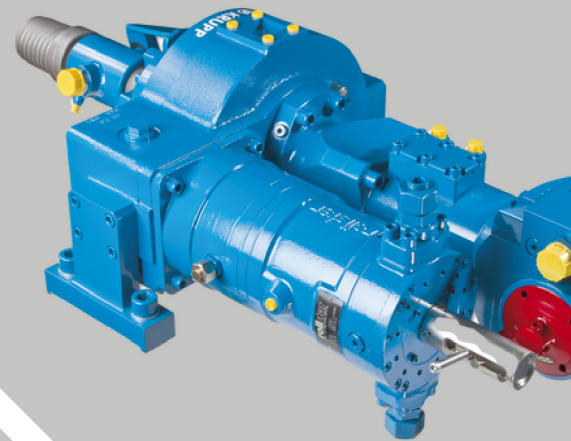
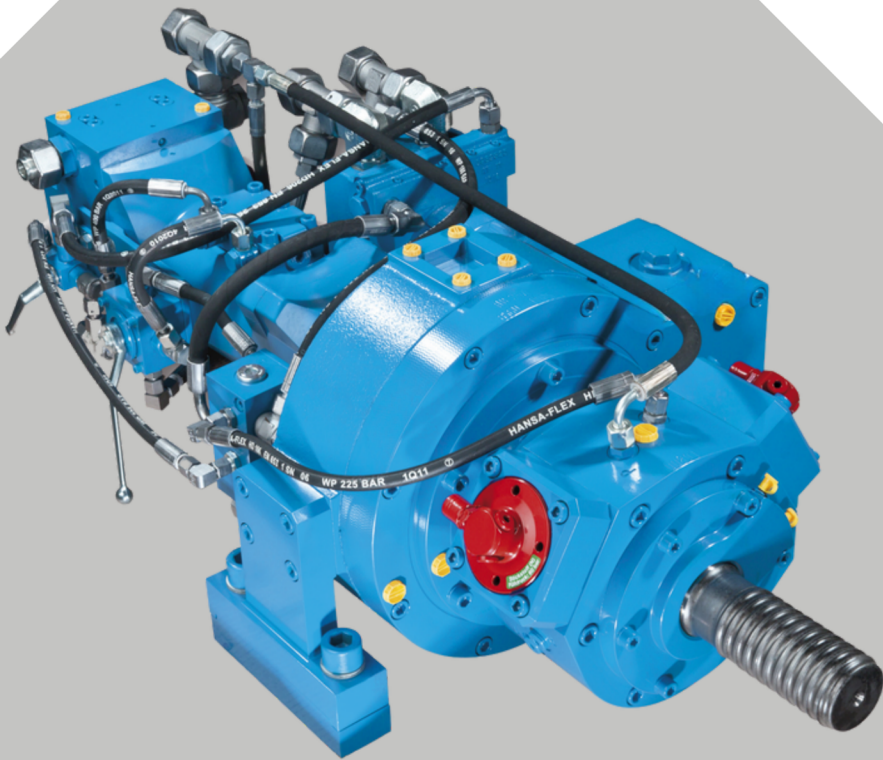




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safety: efficient and sustainable



DRIFTER
HB35

DRIFTER HB35

HB35 is a mid-size Drifter (top-hammer) especially developed for:

- Micropile drilling up to a casing diameter of 5 inch (ø133 mm)
- Threaded hollow bar drilling (self-drilling anchors) up to a bar diameter of 3 inch (ø75 mm)
- Auger drilling (CFA) up to an auger diameter of 16 inch (ø400 mm)
- Blast hole drilling up to a hole diameter of 4 inch (ø100 mm)

HB35 has a standard built-in hydraulic damping mechanism to avoid blank impacts and to allow percussion during retraction of casings and augers; optional with a rubber damping mechanism.

HB35 achieves an optimal drilling performance in different types of soil by adjusting the impact frequency and impact energy, therefore 3 different impact frequencies and impact energies are available.

HB35 offers 3 different ways to switch between the percussion mechanism and the speed of the rotary drive, either electrically or hydraulically or manually (by hand) and it offers 4 different high-speed and high-pressure motors (344 ccm, 480 ccm, 677 ccm, 940 ccm) and one 3-speed Rollstar motor (110 ccm).

Percussion Unit for Anchor Drilling

Operating pressure (kp/cm ²)	180 - 200 bar
Oil flow rate (l/min)	70 - 90 lpm
Impact rate (min ⁻¹) (20 30 42 Hz) 1,200 1,800 2,500 bpm	
Single impact energy (Joule)	590 400 340 Nm

Shank Adaptors (Striker Bars)

Male thread	C64 left C64 right R55(H55) left R55(H55) right
Male thread with flushing	T45 left T51 left
Special thread	88.9 con. male 101.6 con. male + T38 female left
Special thread	WAF 1 5/8"

OPTIONS

- External flushing head for casings and self-drilling hollow bars
- Integrated flushing through shank adaptor (striker bar)
- Built-in RPM sensor with external box for speed indication
- Drifter with rubber damping mechanism
- Drifter version without damping mechanism
- Drifter version with Rollstar Motor (3-stage manual motor)
- Motor position could be on the left side, right side or on top

Rotary Drives

Motor-Version HP480 ccm

Pressure at rotary drive		170 bar			200 bar			240 bar			280 bar		
Gear		2 nd		1 st	2 nd		1 st	2 nd		1 st	2 nd		1 st
Oil flow rate (lpm)	90	Torque (Nm)	2,500	3,900	3,100	4,800	3,700	5,700	4,300	6,600			
		Speed (rpm)	73	48	72	48	72	48	71	48			
	120	Torque (Nm)	2,300	3,800	3,000	4,700	3,600	5,500	4,200	6,500			
Speed (rpm)		98	66	98	66	98	66	98	66				
170	Torque (Nm)	2,100	3,500	2,700	4,400	3,300	5,300	3,900	6,200				
	Speed (rpm)	144	96	141	94	140	93	140	93				

1st gear, 2nd gear (2-speed mode)

Motor-Version HP677 ccm (standard)

Pressure at rotary drive		170 bar			200 bar			240 bar			280 bar		
Gear		2 nd		1 st	2 nd		1 st	2 nd		1 st	2 nd		1 st
Oil flow rate (lpm)	90	Torque (Nm)	3,600	5,600	4,400	6,800	5,200	8,000	6,100	9,400			
		Speed (rpm)	51	34	51	34	51	34	51	34			
	120	Torque (Nm)	3,400	5,400	4,200	6,600	5,000	7,800	5,900	9,200			
Speed (rpm)		70	46	70	46	70	46	70	46				
170	Torque (Nm)	3,000	5,000	3,800	6,200	4,600	7,400	5,500	8,800				
	Speed (rpm)	102	68	100	67	99	66	99	66				

1st gear, 2nd gear (2-speed mode)

Motor-Version HP940 ccm

Pressure at rotary drive		170 bar			200 bar			240 bar					
Gear		2 nd		1 st	2 nd		1 st	2 nd		1 st			
Oil flow rate (lpm)	90	Torque (Nm)	5,000	7,700	6,100	9,400	7,100	10,600					
		Speed (rpm)	37	25	37	24	37	24					
	120	Torque (Nm)	4,700	7,500	5,800	9,100	6,800	10,300					
Speed (rpm)		50	33	50	33	50	33						
170	Torque (Nm)	4,200	6,900	5,300	8,600	6,200	9,800						
	Speed (rpm)	74	49	72	48	72	48						

1st gear, 2nd gear (2-speed mode)

■ Intermittend mode (max. 10% per minute)

Motor-Version 110 ccm (Rollstar)

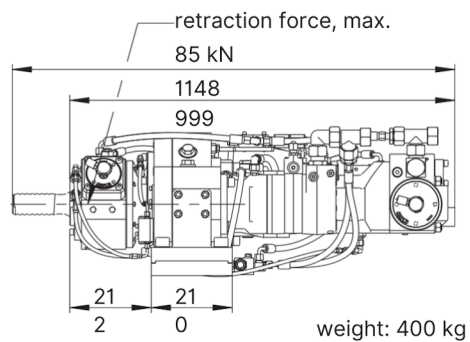
Pressure at rotary drive		170 bar			210 bar			240 bar					
Gear		1 st	2 nd	3 rd	1 st	2 nd	3 rd	1 st	2 nd	3 rd			
Oil flow rate (lpm)	90	Torque (Nm)	900	3,100	7,900	1,100	3,800	10,100	1,300	4,400	11,700		
		Speed (rpm)	170	51	18	170	51	18	170	61	18		
	120	Torque (Nm)	900	3,000	7,200	1,100	3,800	9,300	1,300	4,300	10,900		
Speed (rpm)		256	76	27	256	76	27	256	78	27			
170	Torque (Nm)	900	3,000	6,500	1,100	3,700	8,700	1,300	4,300	10,300			
	Speed (rpm)	313	93	33	313	93	33	313	93	33			

1st gear, 2nd gear, 3rd gear (manual changeover)

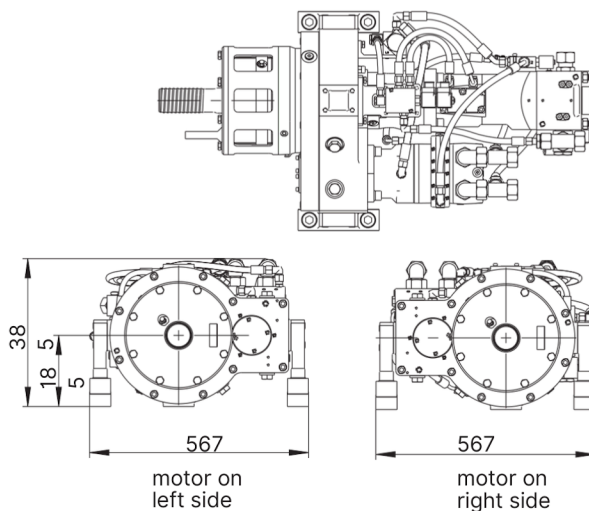
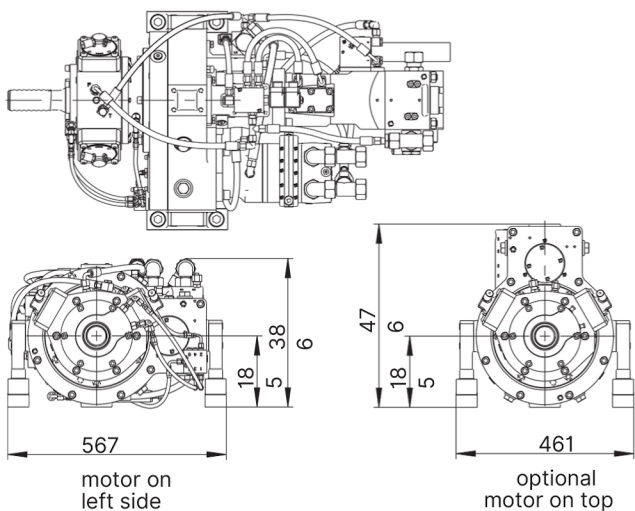
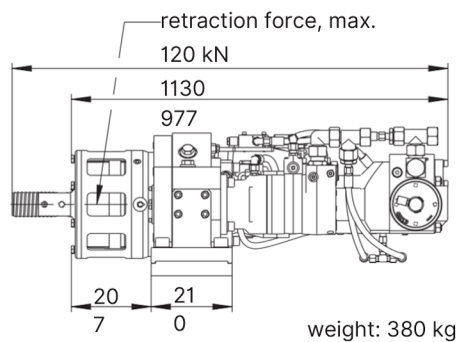
■ Intermittend mode (max. 10% per minute)

Main Dimensions

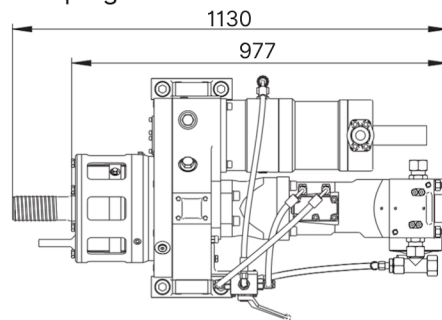
with hydraulic damping mechanism



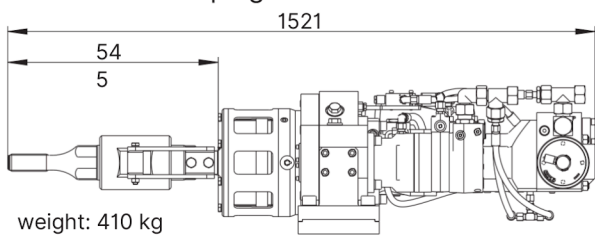
with rubber damping mechanism



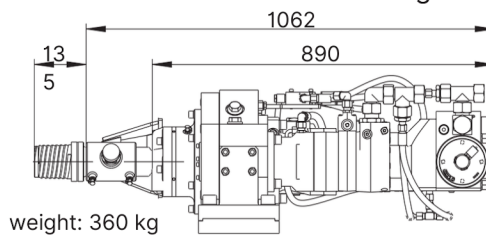
with rubber damping mechanism & rollstar motor

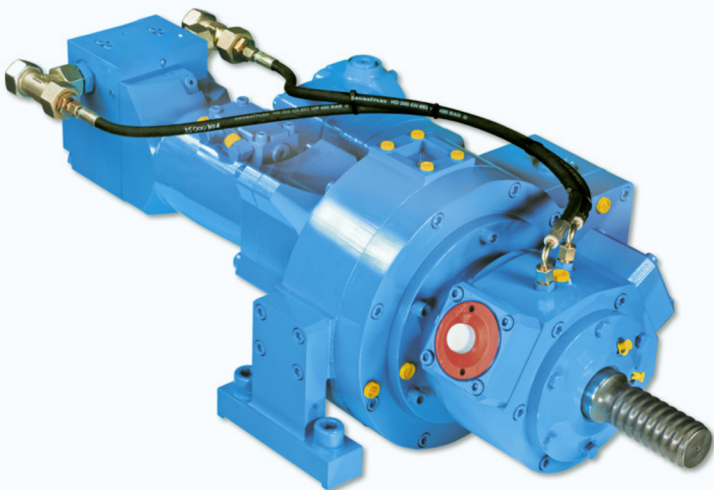
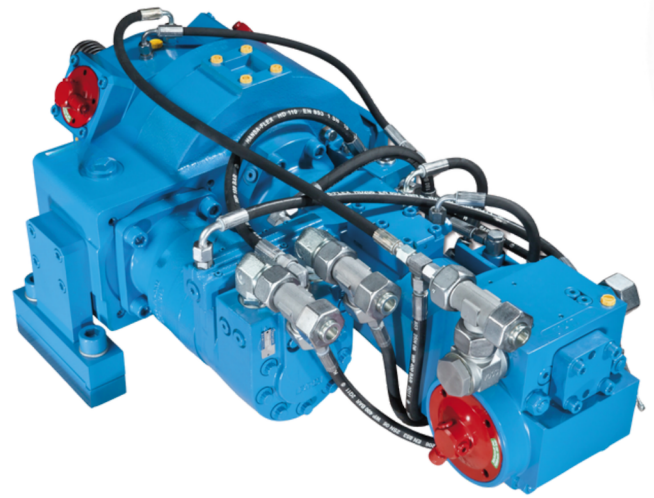
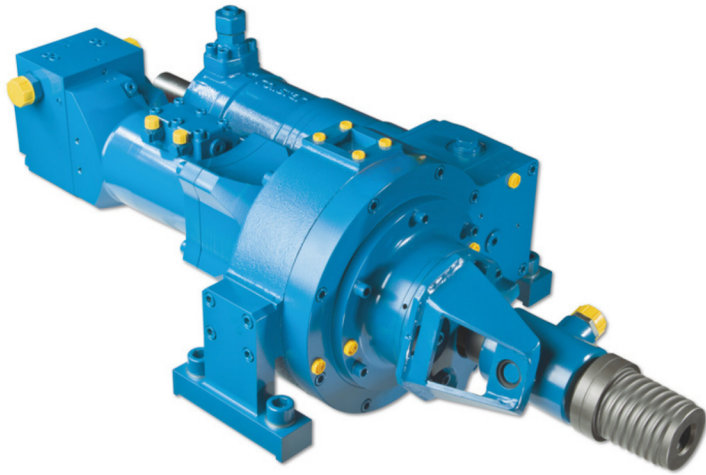
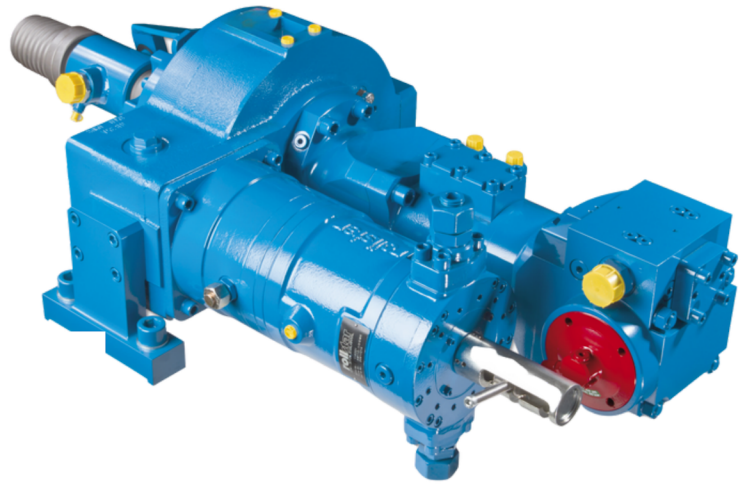


with rubber damping mechanism & external flushing head



with external flushing head





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