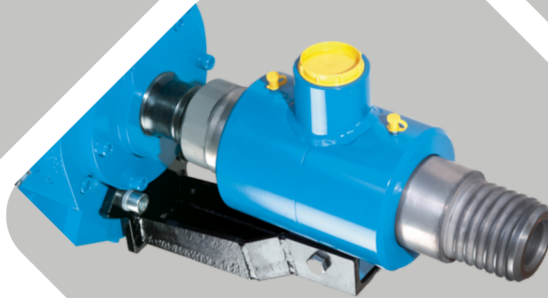
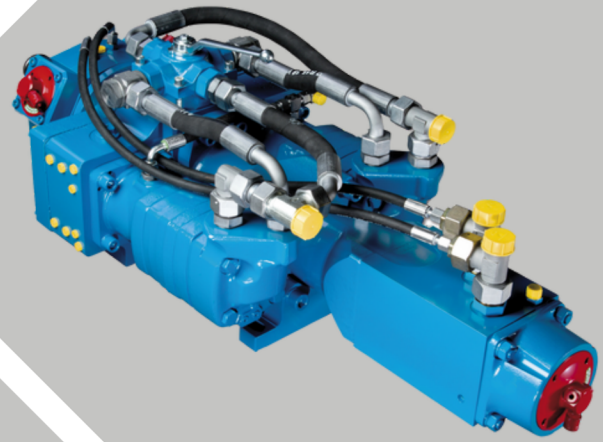
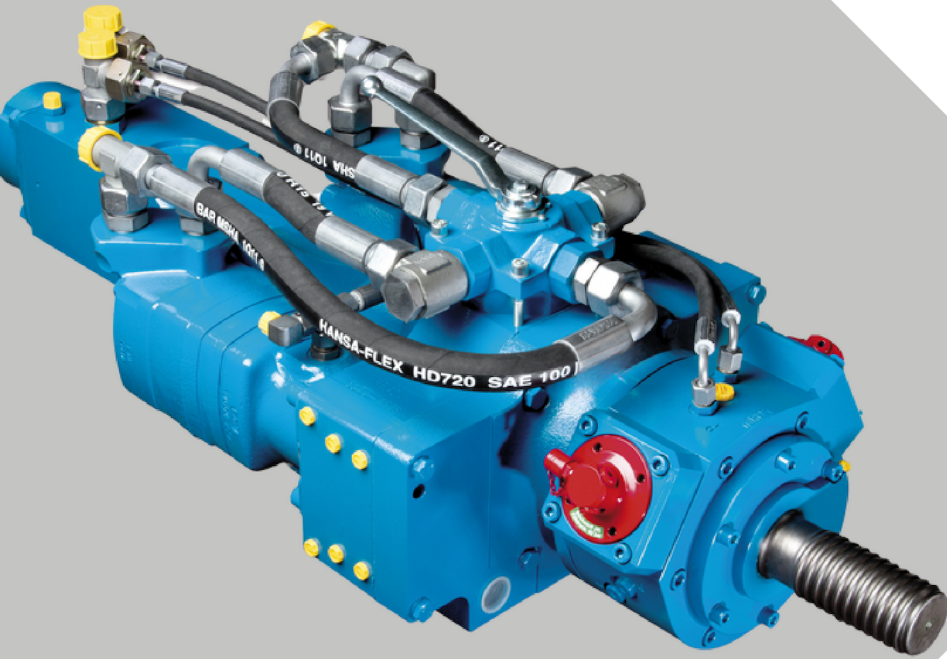


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safety: efficient and sustainable



DRIFTER
HB40

DRIFTER HB40

HB40 is a mid-size Drifter (top-hammer) especially developed for:

- Micropile drilling up to a casing diameter of 5 inch (ø133 mm)
- Overburden drilling up to an outside 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 24 inch (ø600 mm)

HB40 has a standard built-in rubber damping mechanism to avoid blank impacts and to allow percussion during retraction of casings and augers; optional with hydraulic damping mechanism.

HB40 achieves an optimal drilling performance in different types of soil by adjusting the impact frequency and the impact energy, therefore 2 different impact frequencies and impact energies are available.

HB45 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 2 different high-speed and high-pressure motors (480 ccm and 677 ccm) and two single-speed motors (670 ccm and 677 ccm).

Percussion Unit for Anchor Drilling

Operating pressure (kp/cm ²)	170 - 190 bar
Oil flow rate (l/min)	70 - 85 lpm
Impact rate ¹ (min ⁻¹)	(30 42 Hz) 1,800 2,500 bpm
Single impact energy (Joule)	400 340 Nm

Shank Adaptors (Striker Bars)

Male thread (standard)	C64 left C64 right
Male thread	R55(H55) left R55(H55) right

OPTIONS

- External flushing head for casings and self-drilling hollow bars
- Built-in RPM sensor with external box for speed indication
- Drifter with hydraulic or rubber damping mechanism
- Central lubrication system

Rotary Drives

Motor-Version 670 ccm (single-speed)

Pressure at rotary drive		140 bar				170 bar				200 bar			
Gear		2 nd		1 st		2 nd		1 st		2 nd		1 st	
Oil flow rate (lpm)	90	Torque (Nm)	3,200	6,400	4,000	8,100	4,800	9,700					
		Speed (rpm)	55	26	53	25	52	24					
	120	Torque (Nm)	3,100	6,400	4,000	8,000		9,600					
		Speed (rpm)	74	35	73	34		33					
	170	Torque (Nm)	3,100	6,400	3,900	8,000		9,600					
		Speed (rpm)	104	52	104	51		48					

1st gear (parallel mode), 2 gear (serial mode)

■ Intermittend mode (max. 10% per minute)

Motor-Version HP677 ccm (single-speed)

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)	3,800	8,100	4,500	9,600	5,500	11,600	6,500	13,600								
		Speed (rpm)	57	29	57	29	57	29	57	29	57	29	57	29	57	29	57	29
	120	Torque (Nm)	3,600	7,900	4,300	9,400	5,300	11,400	6,300	13,400								
		Speed (rpm)	76	38	76	38	76	38	76	38	76	38	76	38	76	38	76	38
	170	Torque (Nm)	3,000	7,600	3,800	9,100	4,800	11,100	5,800	13,100								
		Speed (rpm)	108	54	108	54	108	54	108	54	108	54	108	54	108	54	108	54

1st gear (parallel mode), 2nd gear (serial mode)

Motor-Version HP480 ccm (two-speed)

Pressure at rotary drive		170 bar				200 bar				240 bar				280 bar				
Gear		4 th	3 rd	2 nd	1 st	4 th	3 rd	2 nd	1 st	4 th	3 rd	2 nd	1 st	4 th	3 rd	2 nd	1 st	
Oil flow rate (lpm)	90	Torque (Nm)	1,700	2,700	3,800	5,800	2,000	3,200	4,500	6,800	2,500	3,900	5,400	8,300	3,000	4,600	6,400	9,700
		Speed (rpm)	121	80	60	40	121	80	60	40	121	80	60	40	121	80	60	40
	120	Torque (Nm)	1,300	2,500	3,700	5,600	1,600	3,100	4,400	6,700	2,100	3,800	5,300	8,100	2,600	4,500	6,300	9,500
		Speed (rpm)	161	107	80	54	161	107	80	54	161	107	80	54	161	107	80	54
	170	Torque (Nm)	1,100	2,200	3,400	5,400	1,500	2,700	4,200	6,400	1,900	3,400	5,100	7,900	2,400	4,100	6,100	9,300
		Speed (rpm)	228	152	114	76	228	152	114	76	228	152	114	76	228	152	114	76

1st gear (parallel mode), 2nd gear (parallel + 2-speed mode), 3rd gear (serial mode), 4th gear (serial + 2-speed mode)

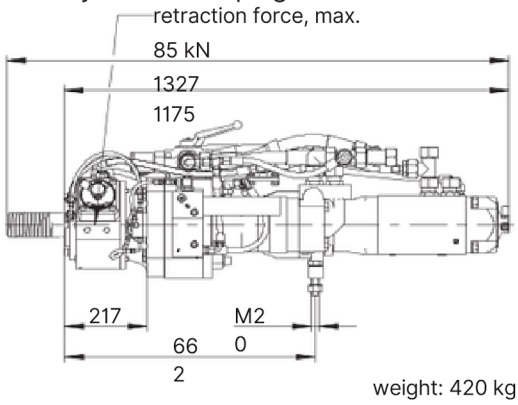
Motor-Version HP677 ccm (two-speed)

Pressure at rotary drive		170 bar				200 bar				240 bar				280 bar				
Gear		4 th	3 rd	2 nd	1 st	4 th	3 rd	2 nd	1 st	4 th	3 rd	2 nd	1 st	4 th	3 rd	2 nd	1 st	
Oil flow rate (lpm)	90	Torque (Nm)	2,400	3,800	5,300	8,100	2,900	4,500	6,300	9,600	3,500	5,500	7,700	11,600	4,200	6,500	9,000	13,600
		Speed (rpm)	86	57	43	29	86	57	43	29	86	57	43	29	86	57	43	29
	120	Torque (Nm)	1,800	3,600	5,200	7,900	2,300	4,300	6,200	9,400	3,000	5,300	7,500	11,400	3,600	6,300	8,900	13,400
		Speed (rpm)	114	76	57	38	114	76	57	38	114	76	57	38	114	76	57	38
	170	Torque (Nm)	1,600	3,000	4,900	7,600	2,100	3,800	5,900	9,100	2,700	4,800	7,200	11,100	3,400	5,800	8,500	13,100
		Speed (rpm)	162	108	81	54	162	108	81	54	162	108	81	54	162	108	81	54

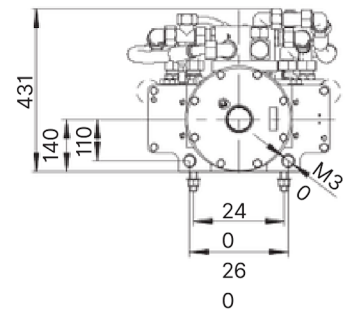
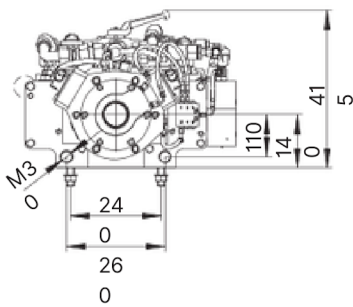
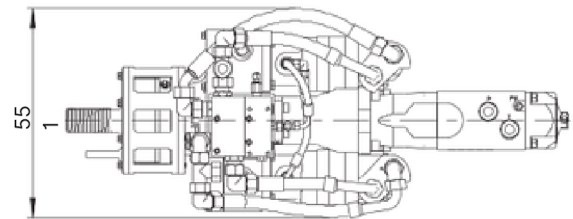
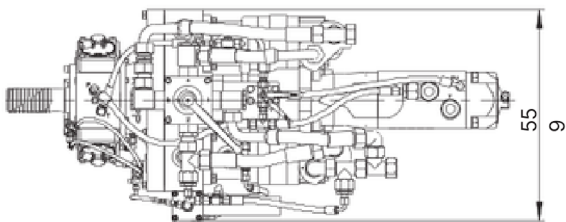
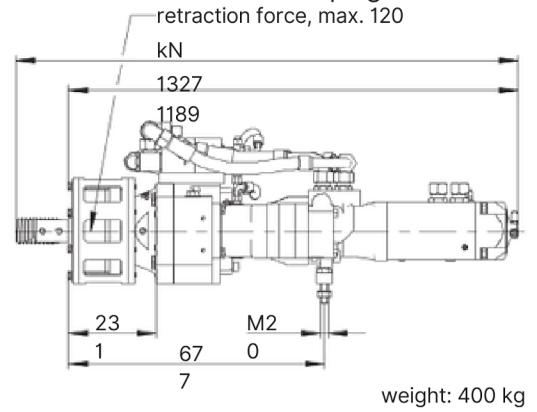
1st gear (parallel mode), 2nd gear (parallel + 2-speed mode), 3rd gear (serial mode), 4th gear (serial + 2-speed mode)

Dimensions

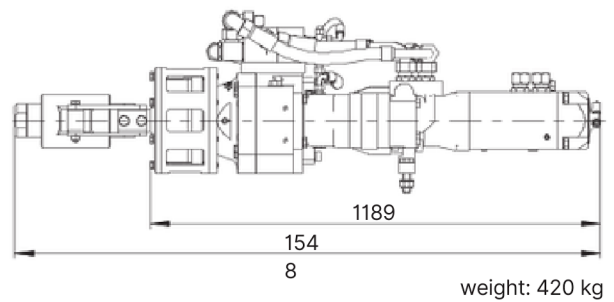
with hydraulic damping mechanism

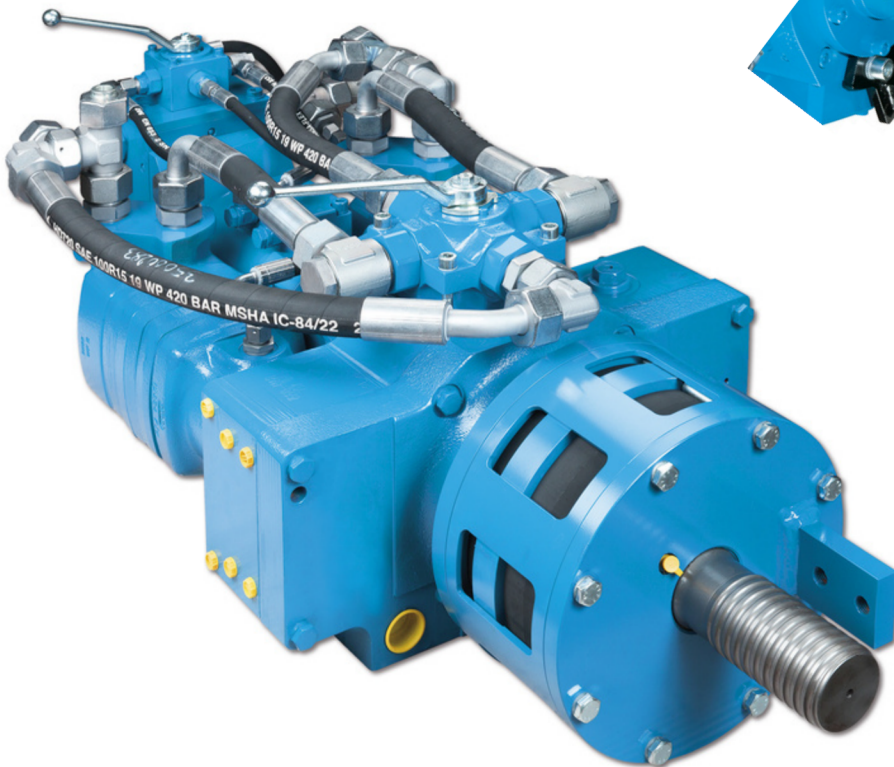
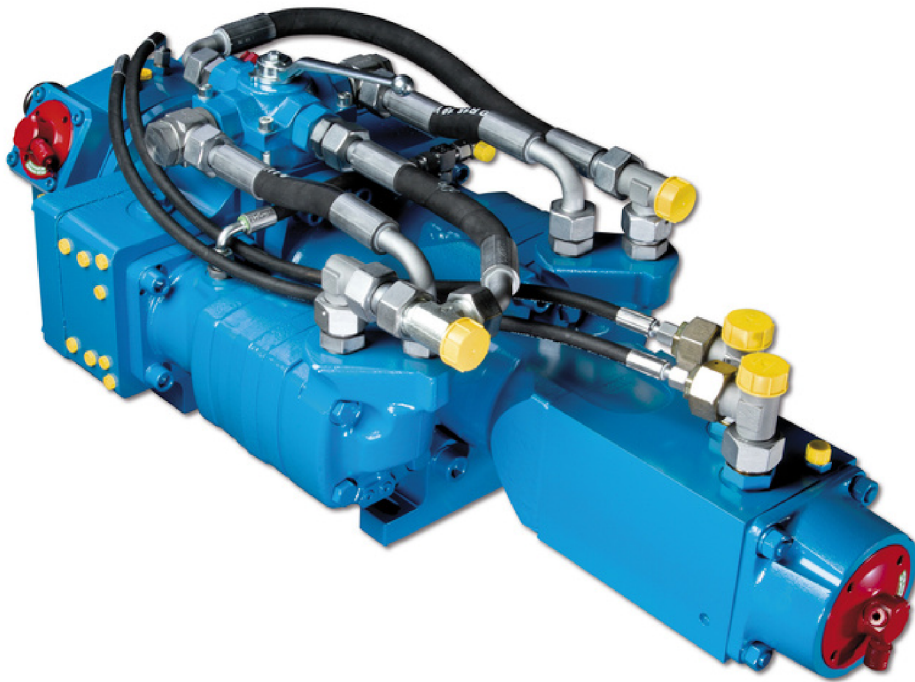


with rubber damping mechanism



with rubber damping mechanism & external flushing head





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