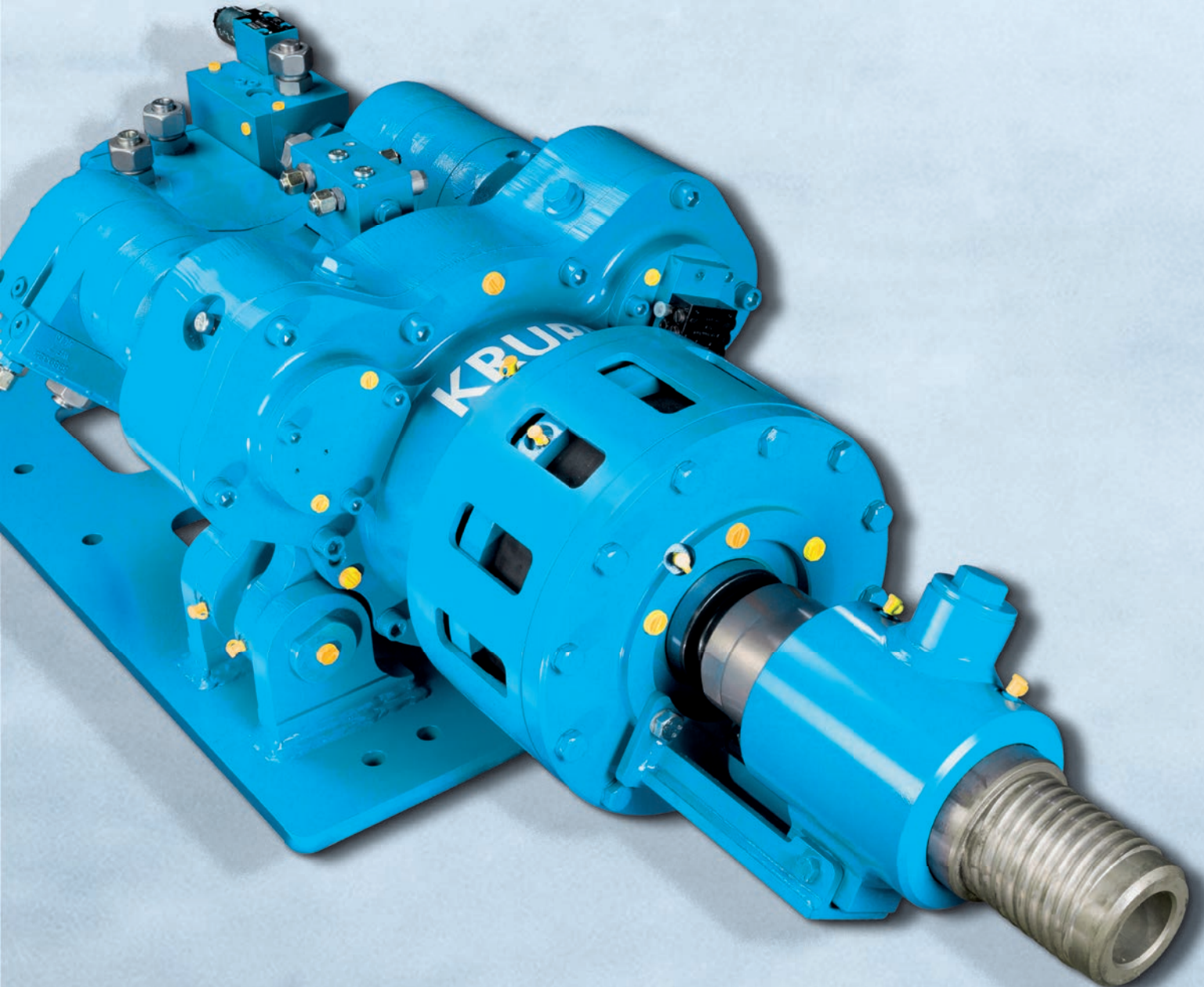


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KRUPP Drifter HB48.

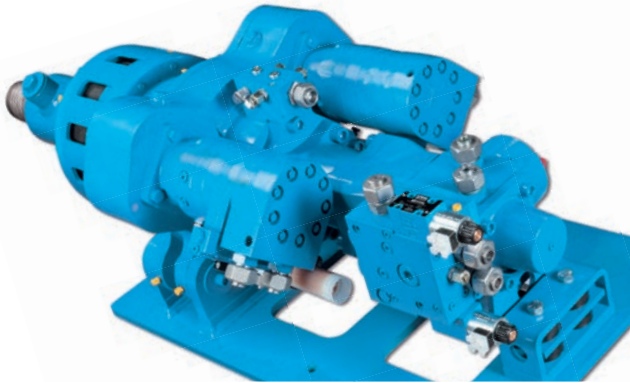


thyssenkrupp



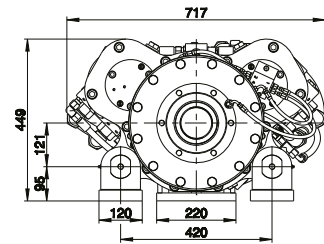
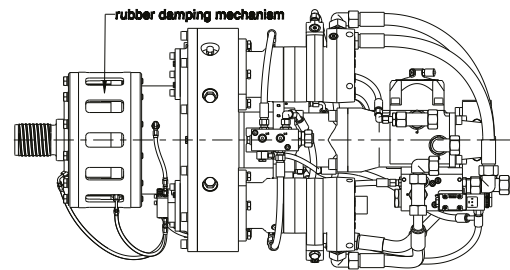
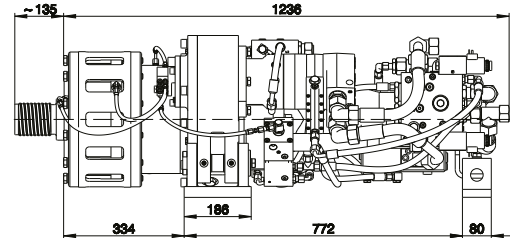
KRUPP Drifter HB48

Compact design – the ideal drifter (hammer drill) for mid-size and larger drill rigs and excavator mounted drill masts.



- Especially developed for overburden drilling, drive drilling, threaded self-drilling anchors and micropiles.
- Casing diameter up to 177 mm (7 inch) and threaded hollow bars up to a diameter of 103 mm (3 inch).
- The standard built-in rubber damping mechanism improves retraction of casings and rods and avoids blank impacts.
- Optional: electric, hydraulic or manual changeover for the rotary drive speed and for the percussion mechanism frequency.
- Options: external flushing head, central lubrication system and integrated RPM sensor.

Main Dimensions



Weight approx. 670 kg
Retraction Force max. 200 kN



Rotary Drives

Motor-Version HP480 ccm																		
Pressure at rotary drive		140 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) Speed (rpm)	1,800 90	2,900 60	4,100 45	6,300 30	2,800 90	4,400 60	6,200 45	9,400 30	3,400 90	5,300 60	7,300 45	11,100 30	4,000 90	6,200 60	8,600 45	13,000 30
	150	Torque (Nm) Speed (rpm)	1,200 150	2,400 100	3,800 75	5,900 50	2,300 150	3,900 100	5,900 75	9,000 50	2,800 150	4,800 100	7,000 75	10,700 50	3,500 150	5,700 100	8,300 75	12,600 50
	170	Torque (Nm) Speed (rpm)	1,000 170	2,200 114	3,700 85	5,700 57	2,100 170	3,700 114	5,700 85	8,800 57	2,600 170	4,600 114	6,800 85	10,500 57	3,200 170	5,500 114	8,100 85	12,400 57

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

Motor-Version HP677.1 ccm (standard)																		
Pressure at rotary drive		140 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) Speed (rpm)	2,500 64	4,100 43	5,800 32	8,900 21	3,900 64	6,200 43	8,700 32	13,200 21	4,700 64	7,400 43	10,300 32	15,600 21	5,600 64	8,800 43	12,100 32	18,300 21
	150	Torque (Nm) Speed (rpm)	1,700 107	3,400 71	5,400 53	8,400 36	3,200 107	5,500 71	8,300 53	12,700 36	4,000 107	6,700 71	9,900 53	15,100 36	4,900 107	8,100 71	11,600 53	17,800 36
	170	Torque (Nm) Speed (rpm)	1,400 121	3,100 80	5,200 60	8,100 40	2,900 121	5,300 80	8,100 60	12,500 40	3,700 120	6,400 80	9,700 60	14,800 40	4,600 121	7,800 80	11,400 60	17,500 40

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

Motor-Version HP677.5 ccm																		
Pressure at rotary drive		140 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) Speed (rpm)	2,000 80	3,200 53	4,600 40	7,100 27	3,200 80	5,000 53	7,000 40	10,600 27	3,800 80	5,900 53	8,200 40	12,500 27	4,500 80	7,000 53	9,700 40	14,600 27
	150	Torque (Nm) Speed (rpm)	1,400 133	2,700 89	4,300 66	6,700 44	2,600 133	4,400 89	6,600 66	10,200 44	3,200 133	5,400 89	7,900 66	12,100 44	3,900 133	6,500 89	9,300 66	14,300 44
	170	Torque (Nm) Speed (rpm)	1,200 151	2,500 100	4,100 75	6,500 50	2,300 151	4,200 100	6,500 75	10,000 50	2,900 151	5,200 100	7,700 75	11,900 50	3,700 151	6,200 100	9,200 75	14,000 50

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

Other motor versions are available

Percussion Unit

Operating pressure (kp/cm ²)	180 - 200 bar
Oil flow rate (l/min)	70 - 90 lpm
Impact rate (min ⁻¹)	1,200 / 1,900 / 2,400 bpm
Single impact energy (Joule)	750 / 480 / 375 Nm

Shank Adaptors (Striker Bars)

Male thread	C90 left, C90 right
Other shank adaptors (striker bars) are available	

Materials Services
Infrastructure

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