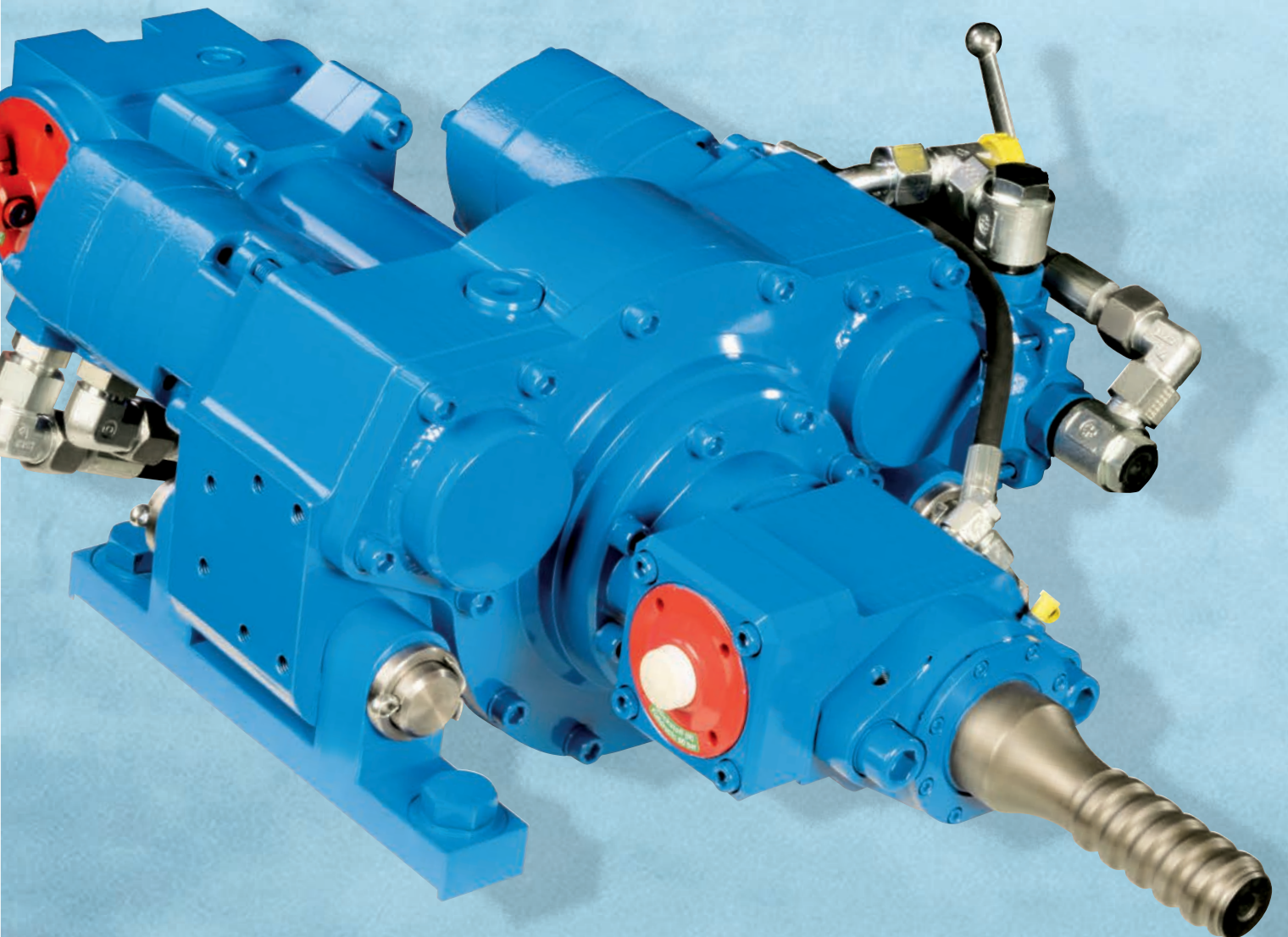


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# KRUPP Drifter HB20.

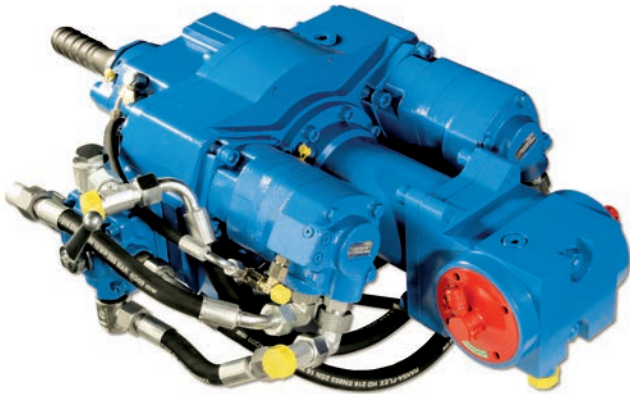


thyssenkrupp



# KRUPP Drifter HB20

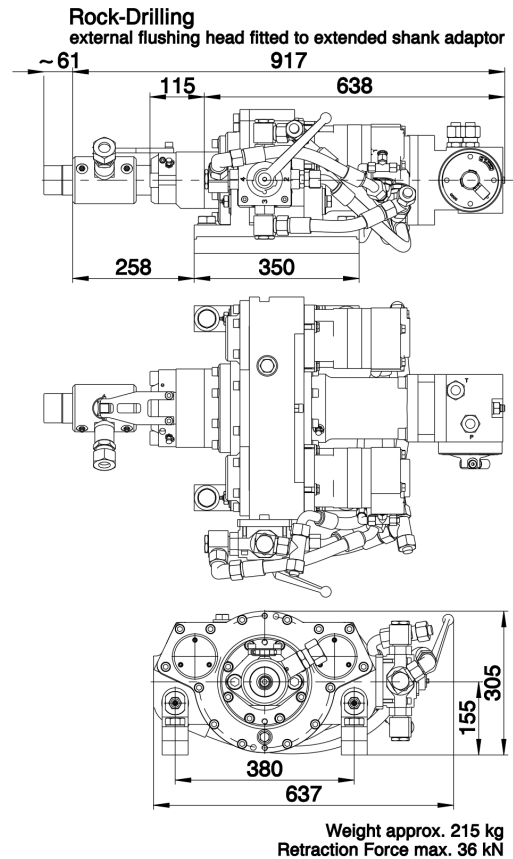
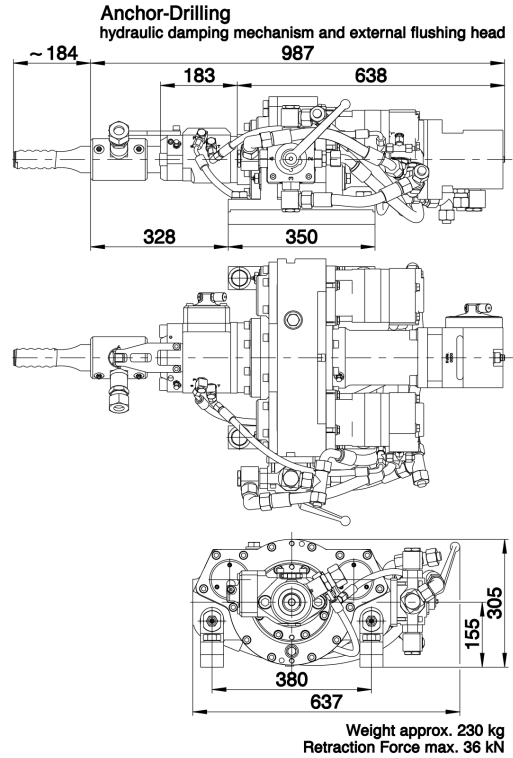
Compact design – the ideal drifter (hammer drill) for smaller drill rigs and excavator mounted drill masts.



- Casing diameter up to 101mm (4 inch) and threaded self-drilling anchors (hollow bars) up to a diameter of 52 mm (2 inch).
- For geotechnical drilling several motor versions with different torques and speeds are available.
- The optional built-in hydraulic damping mechanism improves retraction of casings and rods and avoids blank impacts.
- Optional: electric, hydraulic or manual speed changeover for the rotary drive.
- Options: hydraulic damping mechanism and external flushing head fitted to an extended shank adaptor.



## Main Dimensions



## Rotary Drives

Motor-Version 205 ccm																			
Pressure at rotary drive		140 bar				170 bar				200 bar				240 bar					
Gear		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>			
Oil flow rate (lpm)	50	Torque (Nm)	1,300	2,600	1,600	3,200	1,900	3,800	2,200	4,300	Speed (rpm)	76	32	74	31	72	28	68	25
	75	Torque (Nm)	1,300	2,600	1,600	3,200	1,900	3,800	2,200	4,400	Speed (rpm)	110	53	108	52	104	50	100	48
	95	Torque (Nm)	1,300	2,600	1,600	3,200	1,900	3,800		4,400	Speed (rpm)	138	63	136	63	132	61		58

1<sup>st</sup> gear (parallel mode), 2<sup>nd</sup> gear (serial mode) ■ Intermittend mode (max. 10% per minute)

Motor-Version 245 ccm (standard)																			
Pressure at rotary drive		100 bar				140 bar				170 bar				200 bar					
Gear		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>			
Oil flow rate (lpm)	50	Torque (Nm)	1,100	2,300	1,500	3,000	1,900	3,800	2,300	4,400	Speed (rpm)	65	28	63	26	61	23	58	22
	75	Torque (Nm)	1,100	2,300	1,500	3,100	1,900	3,800		4,500	Speed (rpm)	94	46	91	45	88	43		40
	95	Torque (Nm)	1,100	2,300	1,500	3,000	1,900	3,800		4,500	Speed (rpm)	118	56	115	54	112	52		49

1<sup>st</sup> gear (parallel mode), 2<sup>nd</sup> gear (serial mode) ■ Intermittend mode (max. 10% per minute)

Motor-Version 310 ccm																			
Pressure at rotary drive		70 bar				100 bar				140 bar				170 bar					
Gear		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>		2 <sup>nd</sup>		1 <sup>st</sup>			
Oil flow rate (lpm)	50	Torque (Nm)	900	1,900	1,400	2,900	2,000	3,800	2,400	4,800	Speed (rpm)	53	22	52	22	51	21	50	20
	75	Torque (Nm)	900	1,900	1,400	2,900	1,900	3,900		4,900	Speed (rpm)	75	37	74	37	73	36		35
	95	Torque (Nm)	900	1,900	1,400	2,900	1,900	3,900		4,900	Speed (rpm)	94	45	93	44	92	44		42

1<sup>st</sup> gear (parallel mode), 2<sup>nd</sup> gear (serial mode) ■ Intermittend mode (max. 10% per minute)

Other motor versions are available

### Percussion Unit

Operating pressure (kp/cm <sup>2</sup> )	170 - 190 bar
Oil flow rate (l/min)	70 - 90 lpm
Impact rate (min <sup>-1</sup> )	3000 bpm
Single impact energy (Joule)	290 Nm

### Shank Adaptors (Striker Bars)

Male thread	R32 left, R38 left, T38 left, T45 left, R55 right
Female thread	R32 left, R38 left, T38 links, R51 left
	TITAN 30/11 left, 40/16 left, 52/26 right
	IBO R32 left, R38 left, R51 left
Other shank adaptors (striker bars) are available	



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