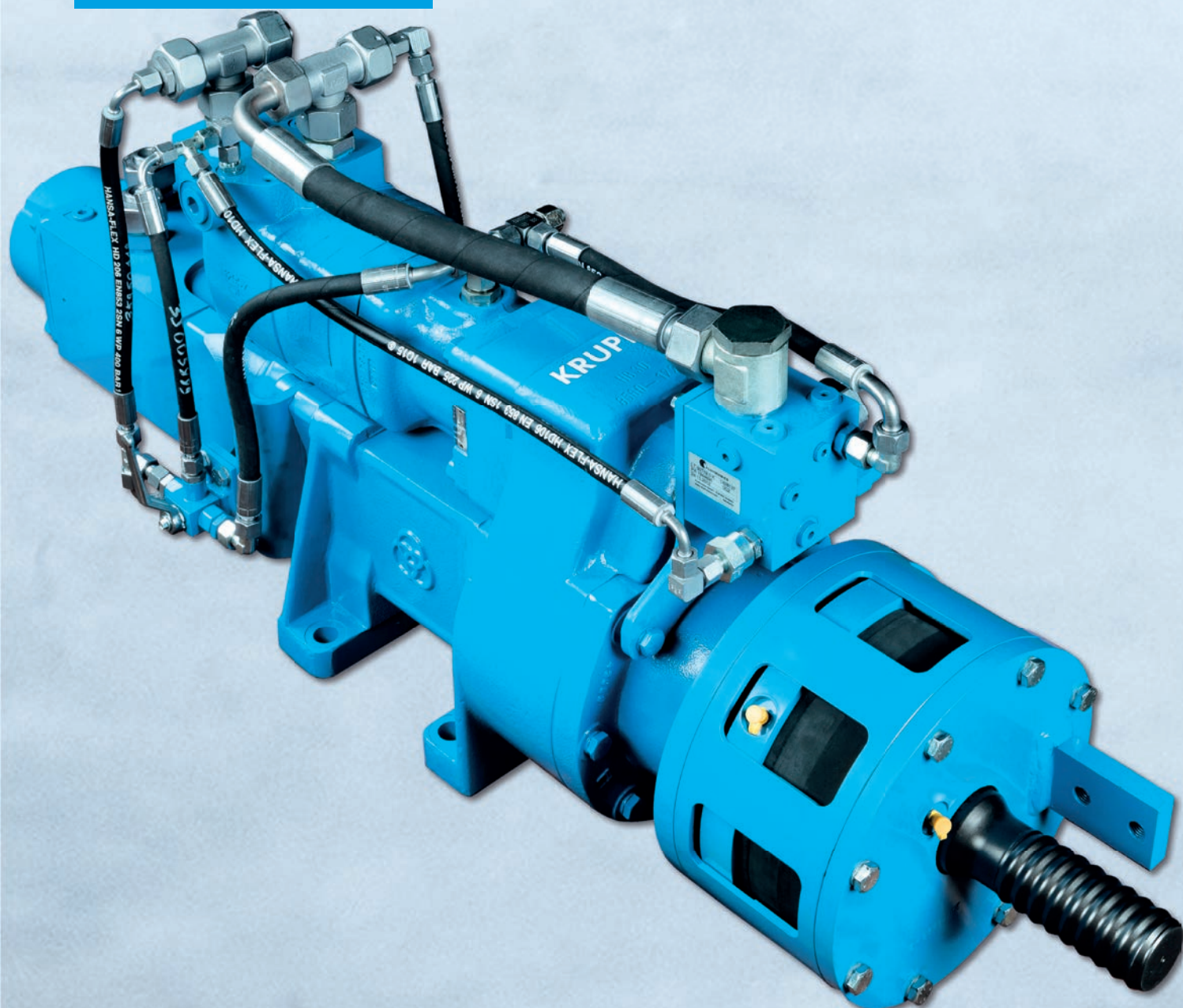


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KRUPP Drifter HB30.



thyssenkrupp



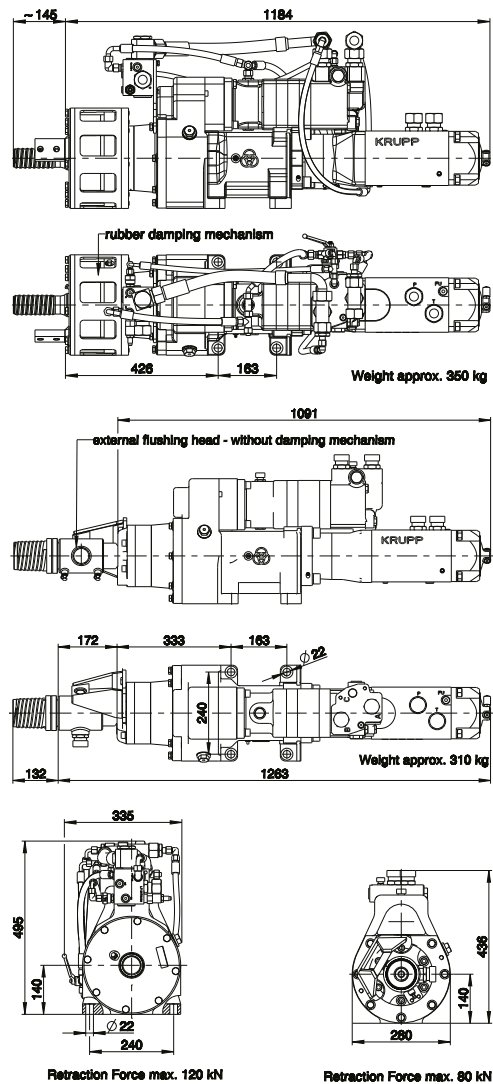
KRUPP Drifter HB30

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



- Especially developed for casing drilling, threaded self-drilling anchors and micropiles.
- Casing diameter up to 133 mm (5 inch) and threaded hollow bars up to a diameter of 73 mm (3 inch).
- The standard built-in rubber damping mechanism improves retraction of casings and avoids blank impacts.
- Optional: manual change over of the rotary drive speed in 2-speed motors.
- Options: external flushing head and HB30 version without damping mechanism.

Main Dimensions



Rotary Drives

Motor-Version 345 ccm																	
Pressure at rotary drive		140 bar				170 bar				200 bar				240 bar			
Gear			2 nd		1 st		2 nd		1 st		2 nd		1 st		2 nd		1 st
Oil flow rate (lpm)	60	Torque (Nm)	800		1,600		1,000		2,000		1,200		2,400		1,400		2,800
		Speed (rpm)	140		70		135		68		132		66		128		64
	120	Torque (Nm)	800		1,600		1,000		2,000		1,200		2,400		1,400		2,800
		Speed (rpm)	291		146		287		144		282		141		278		139
	170	Torque (Nm)	750		1,500		950		1,900		1,150		2,300		1,400		2,800
		Speed (rpm)	417		208		411		206		405		203		400		200

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

■ Intermittent mode (max. 10% per minute)

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

■ Intermittend mode (max. 10% per minute)

Motor-Version 475 ccm																	
Pressure at rotary drive		140 bar				170 bar				200 bar				240 bar			
Gear			2 nd		1 st		2 nd		1 st		2 nd		1 st		2 nd		1 st
Oil flow rate (lpm)	60	Torque (Nm)	1,150		2,300		1,400		2,800		1,700		3,400		2,000		4,000
		Speed (rpm)	99		50		97		48		94		47		92		46
	120	Torque (Nm)	1,100		2,200		1,400		2,800		1,700		3,400		2,000		4,000
		Speed (rpm)	207		104		204		102		201		101		198		99
170	Torque (Nm)	1,100		2,200		1,400		2,800		1,650		3,300					
		Speed (rpm)	295		147		291		146		288		144				

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

Intermittend mode (max. 10% per minute)

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

■ Intermittend mode (max. 10% per minute)

Motor-Version 670 ccm (standard)																	
Pressure at rotary drive		100 bar				140 bar				170 bar				200 bar			
Gear			2 nd		1 st		2 nd		1 st		2 nd		1 st		2 nd		1 st
Oil flow rate (lpm)	60	Torque (Nm)	1,200		2,400		1,600		3,200		2,000		4,000		2,400		4,800
		Speed (rpm)	72		36		70		35		69		34		67		33
	120	Torque (Nm)	1,150		2,300		1,600		3,200		2,000		4,000				
		Speed (rpm)	149		75		147		74		145		72				
170	Torque (Nm)	1,150		2,300		1,550		3,100		1,950		3,900					
		Speed (rpm)	212		106		209		105		207		104				

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

Intermittend mode (max. 10% per minute)

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

■ Intermittend mode (max. 10% per minute)

Motor-Version 950 ccm																	
Pressure at rotary drive		70 bar				105 bar				140 bar							
Gear			2 nd		1 st		2 nd		1 st		2 nd		1 st				
Oil flow rate (lpm)	60	Torque (Nm)	1,100		2,200		1,700		3,400		2,250		4,500				
		Speed (rpm)	51		26		50		25		49		24				
	120	Torque (Nm)	1,050		2,100		1,650		3,300								
		Speed (rpm)	106		53		105		52								
170	Torque (Nm)	1,050		2,100		1,600		3,200									
		Speed (rpm)	151		75		149		75								

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

Intermittend mode (max. 10% per minute)

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

■ Intermittend mode (max. 10% per minute)

Other motor versions are available

Percussion Unit

Operating pressure (kp/cm ²)	170 - 190 bar
Oil flow rate (l/min)	70 - 85 lpm
Impact rate (min ⁻¹)	1800 bpm
Single impact energy (Joule)	400 Nm

Shank Adaptors (Striker Bars)

Male thread	T38 left, T45 left, T51 left, R55 left, R55 right
Female thread	T38 left, T45 left
Special thread	88.9 (101.6) conical male left + T38 female left
Other shank adaptors (striker bars) are available	

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