ProfiSPEZIAL

PIPE DRILLING, FLEXIBLE AND SAFE.

THE RIGHT SOLUTION FOR EVERY PIPE.

BDSMASCHINEN MADEINGERMANY

TIP: Further information on the Pipe Magnetic Clamping System can be found on page 52.

The BDS PipeMAB magnetic core drilling machines, for drilling tubes, pipes and plates. The patented magnetic pipe clamping system automatically adapts to the pipe diameter. The extended support surfaces ensure optimal stability and safety. Resulting in fast, precise, and safe operation with the BDS PipeMAB series.

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GERMAN DESIGN AWARD WINNER 2023

	PipeMAB 200 Pipe drilling machine	PipeMAB 525 Pipe drilling and tapping machine	PipeMAB 825 Pipe drilling and tapping machine		AirMAB 5000PRO Pipe drilling with pneumatic Atlas Copco motor
Core drill max. Ø HSS/TCT	35 mm (1-3/8")	60 mm (2-3/8")	100 mm (4")	60 mm (2-3/8")	35 mm (1-3/8")
Core drill cutting depth max.	55 mm (2-3/8")	75 mm (3")	55 mm (2-3/8")	110mm (4")	55 mm (2-3/8")
Thread cutting Ø max.		M20 (3/4")	M30 (1-1/8")		
Twist drill Ø max.	13 mm (½")	20 mm (1")	31.75 mm (1-1/4")		23 mm (29/32")
Reaming Ø max.		20 mm (1")	31.75 mm (1-1/4")		
Countersinking Ø max.		50 mm (2-1/2")	50 mm (2-1/2")		
Permanent magnet for pipes & plates	✔	✔	✔		✔
Motor output	1050 Watts (8.2 Amp)	1600 Watts (14.50 Amp)	1800 Watts (16 Amp)		830 Watt (4 Amp)
Voltage, V AC	230; 110/125 V AC	230; 110/125 V AC	230; 110/125 V AC		Compressed air
Stroke	160 mm (6-1/3")	160 mm (6-¼")	255 mm (10")		160 mm (6-¼")
Weight	16 Kg. (35 lbs.)	16 Kg. (35 lbs.)	25 Kg. (55 lbs.)		15 Kg. (33 lbs.)
Spindle taper	Direct Arbor	MT 3	MT 3		MT 2 - KEYLESS arbor (19mm Weldon ¾)
Speed gears	1	2	4		
Speed range (min^{-1})	450	70–280; 180–580	40–110; 65–175; 140–360; 220–600		min. 290 – max. 575
Oil-bath gearbox & Internal motor cable		✔	✔		
Safety clutch	✔	✔	✔		
Clockwise/anticlockwise rotation		✔	✔		
Torque control		✔	✔		
Rotational speed control			✔		
Full wave control electronics		✔	✔		
Magnet indicator			✔		
Overheat protection		✔	✔		
Carbon brush wear indicator		✔	✔		

	Scope of delivery PipeMAB 200	Scope of delivery PipeMAB 525	Scope of delivery PipeMAB 825	Scope of delivery AirMAB 5000PRO
Carry case	ZHK 800	ZHK 800	ZHK 1500	ZHK 800
Ejector pin	ZAK 075, 100	ZAK 075, 100	ZAK 075, 090, 100, 120	ZAK 075, 100
Arbor		ZIAL 319-KN	ZIAL 319-KN	ZSS 200
Tapping adapter		ZGA 010, 012, 016		
Gear rim drill chuck		ZBK 113		
Taper drift		ZKD 316		
Ejector drift		ZAS 003	ZAS 003	ZAS 002
Allen key	8010251 (4 mm)	8010301 (3 mm)	911058 (6 mm)	
Safety lashing strap	4000161	4000161	4000161	4000161
Operating instructions	✔	✔	✔	✔