

MAB 100

Compact, handy, powerful – really successful
when low weight is in demand

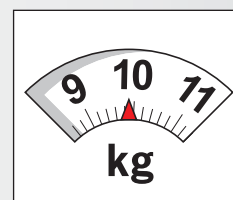
The advantages of the MAB 100

- > With only 9.9 kg the light-weight in the BDS range of products
- > Straightforward handling – small design height of 300/370 mm
- > High work safety due to internal cabling

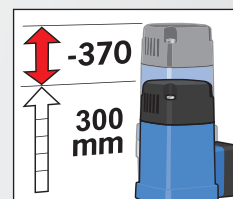


SPECIFICATION

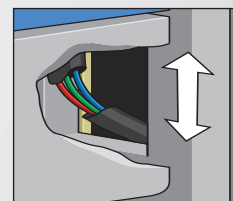
	Motor output:	800 Watt		Friction clutch:	–
	Voltage:	230 V AC, 50-60 Hz		Torque control:	–
	Stroke:	70 mm		Full wave control electronics:	–
	Magnet size:	80 x 160 x 41.5 mm		Magnet indicator:	–
	Weight:	9.9 kg		Overheating protection:	–
	Direct arbor:	✓		CW/CCW rotation:	–
	Industrial arbor:	–		Carbon brush wear control:	–
	Quick change drill chuck system:	–		Core drill short 30 mm:	12 – 30 mm
	Morse taper:	–		Core drill long 55 mm:	12 – 30 mm
	Speed range 1:	450 min ⁻¹		Core drill extra-long 110 mm:	–
	Speed range 2:	–		Twist drilling:	–
	Speed range 3:	–		Reaming:	–
	Speed range 4:	–		Countersinking:	–
	Permanent internal lubrication:	✓		Thread cutting:	–



The light-weight



Compact design, stroke 70 mm



Protected internal cabling

ORDER NO.

MAB 100 230 Volt
MAB 100 110/125 Volt

SCOPE OF DELIVERY

1 Magnetic core drilling machine	1 Offset screwdriver WS 4
1 Ejector pin ZAK 075 + 100	1 Operating manual
1 Hard protective case	
1 Safety chain	

MAB 455

Immensely powerful in steel industry, for assembly jobs and in the workshop.

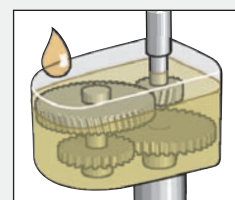
The advantages of the MAB 455

- > Two-speed machine with oil-bath gearbox
- > Quick tool change from core drills to twist drills and vice versa
- > MT 2 tool holder, integrated cabling

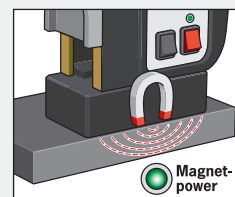


SPECIFICATION

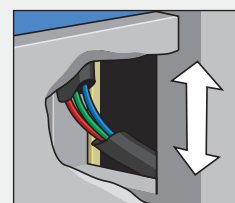
	Motor output:	1,150 Watt		Friction clutch:	–
	Voltage:	230 V AC, 50-60 Hz		Torque control:	–
	Stroke:	160 mm		Full wave control electronics:	–
	Magnet size:	84 x 168 x 41.5 mm		Magnet indicator:	✓
	Weight:	13 kg		Overheating protection:	–
	Direct arbor:	–		CW/CCW rotation:	–
	Industrial arbor:	–		Carbon brush wear control:	–
	Quick change drill chuck system:	KEYLESS, 19 mm Weldon ($\frac{3}{4}$ "		Core drill short 30 mm:	12 – 40 mm
	Morse taper:	MT 2		Core drill long 55 mm:	12 – 40 mm
	Speed range 1:	250 min ⁻¹		Core drill extra-long 110 mm:	–
	Speed range 2:	450 min ⁻¹		Twist drilling:	≤ Ø 18 mm
	Speed range 3:	–		Reaming:	–
	Speed range 4:	–		Countersinking:	–
	Permanent internal lubrication:	✓		Thread cutting:	–



Two-stage oil-bath gear



Magnet indicator



Protected internal cabling

ORDER NO.

MAB 455 230 Volt

MAB 455 110/125 Volt

SCOPE OF DELIVERY

- | | |
|--|--------------------|
| 1 Magnetic core drilling machine | 1 Safety chain |
| 1 Quick change drill chuck system
KEYLESS, 19 mm Weldon ($\frac{3}{4}$ " | 1 Drill drift MT 2 |
| 1 Ejector pin ZAK 075 + 100 | 1 Operating manual |
| 1 Hard protective case | |

MAB 485

The best entrance into the ProfiPLUS class – indispensable in the workshop and when being away on a job

The advantages of the MAB 485

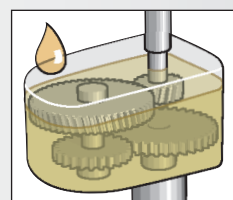
- > Continuous electronic control of motor output and speed
- > Drilling with core and twist drills, countersinking, reaming, thread cutting
- > Two-stage gear unit, non-destructive with oil bath gear box



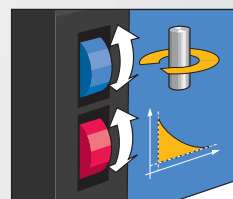
SPECIFICATION

	Motor output:	1,150 Watt
	Voltage:	230 V AC, 50-60 Hz
	Stroke:	160 mm
	Magnet size:	84 x 168 x 41.5 mm
	Weight:	13 kg
	Direct arbor:	–
	Industrial arbor:	–
	Quick change drill chuck system:	KEYLESS, 19 mm Weldon ($\frac{3}{4}$ ")
	Morse taper:	MT 2
	Speed range 1:	50 – 250 min ⁻¹
	Speed range 2:	100 – 450 min ⁻¹
	Speed range 3:	–
	Speed range 4:	–
	Permanent internal lubrication:	✓

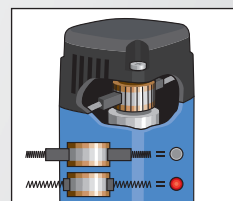
	Friction clutch:	–
	Torque control:	–
	Full wave control electronics:	✓
	Magnet indicator:	✓
	Overheating protection:	✓
	CW/CCW rotation:	✓
	Carbon brush wear control:	✓
	Core drill short 30 mm:	12 – 40 mm
	Core drill long 55 mm:	12 – 40 mm
	Core drill extra-long 110 mm:	–
	Twist drilling:	≤ ø 18 mm
	Reaming:	≤ ø 18 mm
	Countersinking:	≤ ø 40 mm
	Thread cutting:	≤ M16



Two-stage oil bath gear



Full wave control electronics with torque control



Carbon brush wear control

ORDER NO.

MAB 485 230 Volt
MAB 485 110/125 Volt

Technical drawing Page 36-37

SCOPE OF DELIVERY

1 Magnetic core drilling machine	1 Hard protective case
1 Quick change drill chuck system KEYLESS, 19 mm Weldon ($\frac{3}{4}$ ")	1 Safety chain
1 Tapping adapter ZGA 010 + ZGA 012 + ZGA 016	1 Drill drift MT 2
1 Ejector pin ZAK 075 + 100	1 Gear rim drill chuck 1 – 13 mm
	1 Taper drift MT 2/B16
	1 Operating manual

MAB 525

Robust and lightweight! With two-stage oil bath gearbox, thread cutting up to M 20

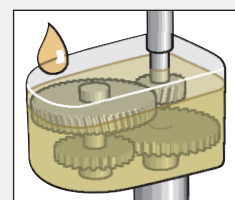
The advantages of the MAB 525

- > Best choice for service work: Total weight only 16 kg
- > With MT 3 tool holder and a drilling performance of up to $\varnothing$ 50 mm
- > Torsion-resistant design, monoblock gearbox and slide

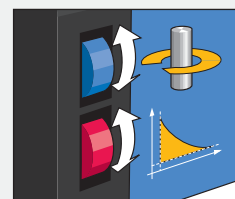


SPECIFICATION

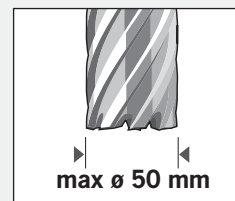
	Motor output:	1,600 Watt		Friction clutch:	–
	Voltage:	230 V AC, 50-60 Hz		Torque control:	✓
	Stroke:	160 mm		Full wave control electronics:	✓
	Magnet size:	90 x 180 x 48 mm		Magnet indicator:	✓
	Weight:	16 kg		Overheating protection:	✓
	Direct arbor:	–		CW/CCW rotation:	✓
	Industrial arbor:	–		Carbon brush wear control:	✓
	Quick change drill chuck system:	KEYLESS, 19 mm Weldon ($\frac{3}{4}$ "		Core drill short 30 mm:	12 – 50 mm
	Morse taper:	MT 3		Core drill long 55 mm:	12 – 50 mm
	Speed range 1:	70 – 280 min ⁻¹		Core drill extra-long 110 mm:	–
	Speed range 2:	180 – 580 min ⁻¹		Twist drilling:	≤ $\varnothing$ 20 mm
	Speed range 3:	–		Reaming:	≤ $\varnothing$ 20 mm
	Speed range 4:	–		Countersinking:	≤ $\varnothing$ 50 mm
	Permanent internal lubrication:	✓		Thread cutting:	≤ M20



Two-stage oil bath gear



Full wave control electronics with torque control



Core drilling up to $\varnothing$ 50 mm

ORDER NO.

MAB 525 230 Volt

MAB 525 110/125 Volt

Technical drawing Page 36-37

SCOPE OF DELIVERY

1 Magnetic core drilling machine	1 Ejector pin ZAK 075 + 090
1 Quick change drill chuck system KEYLESS, 19 mm Weldon ($\frac{3}{4}$ "	1 Safety chain
1 Tapping adapter ZGA 010 + ZGA 012 + ZGA 016	1 Drill drift MT 3
1 Hard protective case	1 Taper drift MT 3/B16
	1 Gear rim drill chuck 1 – 13 mm
	1 Operating manual

MAB 825

Full performance and flexibility for structural steel engineering, plant construction and engineering

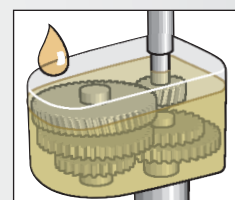
The advantages of the MAB 825

- > The classic of the large-size series – with MT 3
- > For core drills with a cutting depth of 30 mm, 55 mm and 110 mm
- > Suitable for twist drills, reamer chucks, countersinks and thread cutting systems

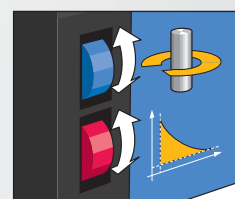


SPECIFICATION

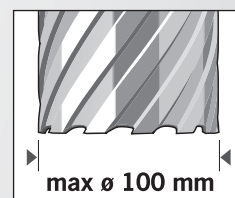
	Motor output:	1,800 Watt		Friction clutch:	✓
	Voltage:	230 V AC, 50-60 Hz		Torque control:	✓
	Stroke:	255 mm		Full wave control electronics:	✓
	Magnet size:	110 x 220 x 54 mm		Magnet indicator:	✓
	Weight:	25 kg		Overheating protection:	✓
	Direct arbor:	–		CW/CCW rotation:	✓
	Industrial arbor:	MT 3, 32 mm Weldon (1 1/4")		Carbon brush wear control:	✓
	Quick change drill chuck system:	KEYLESS, 19 mm Weldon (3/4")		Core drill short 30 mm:	12 – 100 mm
	Morse taper:	MT 3		Core drill long 55 mm:	12 – 100 mm
	Speed range 1:	40 – 110 min ⁻¹		Core drill extra-long 110 mm:	20 – 100 mm
	Speed range 2:	65 – 175 min ⁻¹		Twist drilling:	≤ ø 31.75 mm
	Speed range 3:	140 – 360 min ⁻¹		Reaming:	≤ ø 31.75 mm
	Speed range 4:	220 – 600 min ⁻¹		Countersinking:	≤ ø 50 mm
	Permanent internal lubrication:	✓		Thread cutting:	≤ M30



Four-stage oil bath gear



Full wave control electronics with torque control



Core drilling up to ø 100 mm

ORDER NO.

MAB 825 230 Volt
MAB 825 110/125 Volt

Technical drawing Page 36-37

SCOPE OF DELIVERY

- | | |
|---|-----------------------------|
| 1 Magnetic core drilling machine | 1 Ejector pin ZAK 100 + 120 |
| 1 Quick change drill chuck system
KEYLESS, 19 mm Weldon (3/4") | 1 Carry case on wheels |
| 1 Industrial arbor
MT 3 / 32 mm Weldon (1 1/4") | 1 Safety chain |
| 1 Ejector pin ZAK 075 + 090 | 1 Offset screwdriver WS 6 |
| | 1 Drill drift MT 3 |
| | 1 Operating manual |

MAB 845

Full performance and flexibility for structural steel engineering, plant construction and engineering. Exactly adjustable in two axes by means of a rotating mechanism.

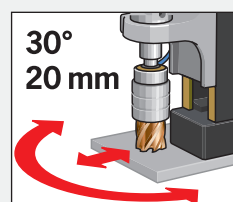
The advantages of the MAB 845

- > Easy readjustment and positioning of the drill under magnetic force
- > For core drills with a cutting depth of 30 mm, 55 mm and 110 mm
- > Suitable for twist drills, reamer chucks, countersinks and thread cutting systems

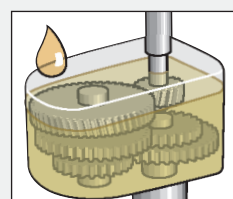


SPECIFICATION

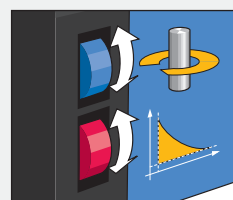
	Motor output:	1,800 Watt		Friction clutch:	✓
	Voltage:	230 V AC, 50-60 Hz		Torque control:	✓
	Stroke:	255 mm		Full wave control electronics:	✓
	Magnet size:	110 x 220 x 54 mm		Magnet indicator:	✓
	Weight:	25 kg		Overheating protection:	✓
	Direct arbor:	–		CW/CCW rotation:	✓
	Industrial arbor:	MT 3, 32 mm Weldon (1 1/4")		Carbon brush wear control:	✓
	Quick change drill chuck system:	KEYLESS, 19 mm Weldon (3/4")		Core drill short 30 mm:	12 – 100 mm
	Morse taper:	MT 3		Core drill long 55 mm:	12 – 100 mm
	Speed range 1:	40 – 110 min ⁻¹		Core drill extra-long 110 mm:	20 – 100 mm
	Speed range 2:	65 – 175 min ⁻¹		Twist drilling:	≤ Ø 31.75 mm
	Speed range 3:	140 – 360 min ⁻¹		Reaming:	≤ Ø 31.75 mm
	Speed range 4:	220 – 600 min ⁻¹		Countersinking:	≤ Ø 50 mm
	Permanent internal lubrication:	✓		Thread cutting:	≤ M30



Rotating in two axes



Four-stage oil bath gear



Full wave control electronics with torque control

ORDER NO.

MAB 845 230 Volt

MAB 845 110/125 Volt

Technical drawing Page 36-37

SCOPE OF DELIVERY

- | | |
|---|-----------------------------|
| 1 Magnetic core drilling machine | 1 Ejector pin ZAK 100 + 120 |
| 1 Quick change drill chuck system
KEYLESS, 19 mm Weldon (3/4") | 1 Carry case on wheels |
| 1 Industrial arbor
MT 3 / 32 mm Weldon (1 1/4") | 1 Safety chain |
| 1 Ejector pin ZAK 075 + 090 | 1 Offset screwdriver WS 6 |
| | 1 Drill drift MT 3 |
| | 1 Operating manual |

MAB 855

Performance and price will be of interest to you

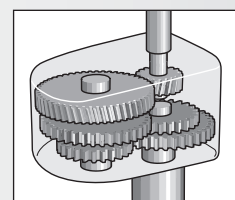
The advantages of the MAB 855

- > Core drilling performance up to $\varnothing$ 75 mm
- > Robust, four-stage gear

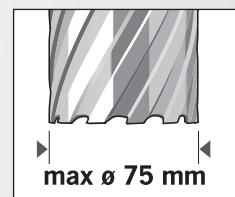


SPECIFICATION

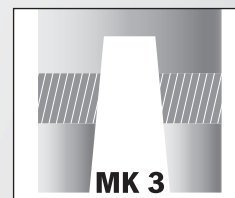
	Motor output:	1,700 Watt		Friction clutch:	✓
	Voltage:	230 V AC, 50-60 Hz		Torque control:	–
	Stroke:	255 mm		Full wave control electronics:	–
	Magnet size:	110 x 220 x 54 mm		Magnet indicator:	✓
	Weight:	25 kg		Overheating protection:	–
	Direct arbor:	–		CW/CCW rotation:	–
	Industrial arbor:	MT 3, 19 mm Weldon ($\frac{3}{4}$ ")		Carbon brush wear control:	–
		MT 3, 32 mm Weldon ($1 \frac{1}{4}$ ")		Core drill short 30 mm:	75 mm
	Quick change drill chuck system:	–		Core drill long 55 mm:	75 mm
	Morse taper:	MT 3		Core drill extra-long 110 mm:	75 mm
	Speed range 1:	110 min ⁻¹		Twist drilling:	$\leq \varnothing$ 31.75 mm
	Speed range 2:	175 min ⁻¹		Reaming:	–
	Speed range 3:	245 min ⁻¹		Countersinking:	–
	Speed range 4:	385 min ⁻¹		Thread cutting:	–
	Permanent internal lubrication:	✓			



Four-stage gear



Core drilling up to $\varnothing$ 75 mm



MT 3 Morse taper

ORDER NO.

MAB 855 230 Volt
MAB 855 110/125 Volt

SCOPE OF DELIVERY

1 Magnetic core drilling machine	1 Industrial arbor ZIA 332 KN
1 Carry case on wheels	1 Ejector pin ZAK 075, ZAK 090,
1 Safety chain	ZAK 100, ZAK 120 each
1 Offset screwdriver	1 Operating manual
1 Drill drift MT 3	
1 Industrial arbor ZIA 319 KN	

Technical drawing Page 36-37

MAB 1300

The bundle of core drilling power. The strongest machine of this performance class.

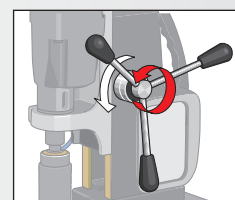
The advantages of the MAB 1300

- > Drilling up to $\varnothing$ 130 mm and extra-long core drills 110 mm
- > MT 4 Motor, output of 2,300 Watt and all features of the ProfiPLUS class
- > With Power-Assist – servo-assisted drilling

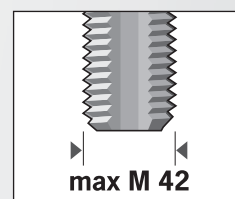


SPECIFICATION

	Motor output:	2,300 Watt		Friction clutch:	✓
	Voltage:	230 V AC, 50-60 Hz		Torque control:	✓
	Stroke without steady:	310 mm		Full wave control electronics:	✓
	Stroke with steady:	85 mm		Magnet indicator:	✓
	Magnet size:	120 x 360 x 65 mm		Overheating protection:	✓
	Weight:	51 kg		CW/CCW rotation:	✓
	Direct arbor:	32 mm Weldon (1 1/4")		Carbon brush wear control:	✓
	Quick change drill chuck system:	–		Core drill short 30 mm:	12 – 130 mm
	Morse taper:	MT 4		Core drill long 55 mm:	12 – 100 mm
	Speed range 1:	30 – 80 min ⁻¹		Core drill extra-long 110 mm:	20 – 120 mm
	Speed range 2:	50 – 120 min ⁻¹		Twist drilling:	≤ $\varnothing$ 45 mm
	Speed range 3:	130 – 350 min ⁻¹		Reaming:	≤ $\varnothing$ 50 mm
	Speed range 4:	210 – 550 min ⁻¹		Countersinking:	≤ $\varnothing$ 80 mm
	Permanent internal lubrication:	✓		Thread cutting:	≤ M42



Servo-assisted drilling



Thread cutting up to M 42



MT 4 Morse taper

ORDER NO.

MAB 1300 230 Volt

MAB 1300 110/125 Volt

SCOPE OF DELIVERY

- | | |
|----------------------------------|-------------------------------|
| 1 Magnetic core drilling machine | 1 Ejector pin ZAK 075 + 090 |
| 1 Carry case on wheels | 1 Ejector pin ZAK 100 + 120 |
| 1 Safety chain | 1 Bushing ZAP 200, from 32 mm |
| 1 Offset screwdriver WS 4, 6, 8 | Weldon to 19 mm Weldon |
| 1 Drill drift MT 4 | 1 Operating manual |

Technical drawing Page 36-37