# PORTABLE PIPE DRILLING SOLUTION

Profispezial

PipeMAB 200

Profispezial



he new PipeMAB magnetic core drilling machines from BDS Maschinen, Made in Germany.

The patented pipe magnetic clamping system with two permanent magnets automatically adapts to the pipe diameter. The swivel arrangement of the permanent magnets allows pivoting to conform to any pipe of 85 mm (3") diameter or larger, on straight surfaces as well as inside and outside of the curved surfaces.



**BDS**M MADEII

# **STRONG GRIP** ON PIPES & CURVED SURFACES

## Powerful magnetic adhesion force up to max. 1020 kg

#### (20 mm material thickness / S 275 JR)

Both permanent magnets can be activated with a short turn of the clamping lever. The long set-up surfaces provides optimum adhesion and safety. The pivoting movement of the magnets automatically positions the drilling unit in the central drilling position.

Result: Fast, accurate and safe drilling with the BDS PipeMAB series.

Profeeration

Material thickness and magnetic holding force				
Material thickness	3 mm ( <sup>9</sup> / <sub>64</sub> '')	10 mm (³/ <sub>8</sub> ")	20 mm ( <sup>13</sup> / <sub>16</sub> ")	
Maximum magnetic holding force	410 kg (903 lbs)	890 kg (1962 lbs)	1020 kg (2248 lbs)	

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Voltage       230 V/110 V AC, 50 - 60 Hz       230 V/110 V AC, 50 - 60 Hz         Stroke       160 mm (6 -1/3")       160 mm (6 -1/3")         Weight       19,5 kg (43 lbs)       16 kg (35.3 lb         Direct arbor       -       19 mm Weldon (3/4         Industrial arbor       MT3/long, 19 mm (3/4")       19 mm Weldon (3/4         Spindle taper       MT 3       180 - 580 rpm         Gear 1 range       70 - 280 rpm       450 rpt         Gear 2 range       180 - 580 rpm       450 rpt         Permanent internal lubrication       -       -         Variable speed & torque controls       -       -         Full wave control electronics       -       -         Overheat protection       -       -         Core drill       Itist drill       Ø M20       0 35 mm (1-3/6")	Profispezial		
Voltage       230 V/110 V AC, 50 - 60 Hz       230 V/110 V AC, 50 - 60 Hz         Stroke       160 mm (6 -1/x)"       160 mm (6 -1/x)"         Direct arbor       -       16 kg (35.3 hb         Industrial arbor       MT3/long, 19 mm (f/x)"       19 mm Weldon (f/4)         Spindle taper       MT3       -         Gear 1 range       70 - 280 rpm       450 rpm         Permanent internal lubrication       ✓       -         Variable speed & torque controls       ✓       -         Full wave control electronics       ✓       -         Overheat protection       ✓       -         Occreditil       Ø 20 mm       Ø M20 (12/xe")       0 M20 (12/xe")         Otting depth 40 mm (1-2/xe")       0 M20 (12/xe")       0 M20 (12/xe")       -         Included in delivery       1 Magnetic core drilling machine       1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor Z/AL 319KN       1 Ejector pin ZAK 100       1 Safety lashing strap       1 Operating instructions         1 Hexagonal offset screwdriver size 5       1 Operating instructions       1 Hastic carry case       1 Operating instructions	PipeMAB 525		PipeMAB 200
Stroke       160 mm (6-1/s")       160 mm (6-1/s")         Weight       19,5 kg (43 lbs)       16 kg (35.3 lb         Direct arbor       -       19 mm Weldon (7/s)         Industrial arbor       -       19 mm Weldon (7/s)         Spindle taper       MT3 //ong, 19 mm (?/s)       19 mm Weldon (7/s)         Gear 1 range       70 - 280 rpm       450 rpi         Gear 2 range       180 - 580 rpm       -         Permanent internal lubrication       ✓       -         Variable speed & torque controls       ✓       -         Full wave control electronics       ✓       -         Core drill       Ø 20 mm       Ø M20         Overheat protection       ✓       -         Outing depth 40 mm (1-5"/a")       0 M20       -         Cutting depth 40 mm (1-5"/a")       0 M20       -         Outing depth 40 mm (1-5"/a")       0 M20       -         Outing depth 40 mm (1-5"/a")       0 M20       -         Cutting depth 40 mm (1-5"/a")       0 M20       -         Industrial arbor ZIAL 319KN       1 Magnetic core drilling machine       1         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100       1 Safety lashing strap       1 Operating instructions         1 Hexagona	Motor output	1,600 W (14.50 Am	b) 1,050 W (9.50 Amp)
Weight       19,5 kg (43 lbs)       16 kg (35.3 lb         Direct arbor       -       19 mm Weldon (?/4         Industrial arbor       MT3       19 mm Weldon (?/4         Spindle taper       MT3       450 rpn         Gear 1 range       0 - 280 rpm       450 rpn         Gear 2 range       180 - 580 rpm       -         Permanent internal lubrication       ✓       -         Variable speed & torque controls       ✓       -         Full wave control electronics       ✓       -         Overheat protection       ✓       -         Cocwsies/anticlockwise rotation       ✓       -         Core drill       Ø 20 mm       Ø M20       0 35 mm (1-²/a <sup>r</sup> )         Ø 50 mm (2")       Ø 20 mm       Ø M20       -         Cutting depth 40 mm (1-²/a <sup>r</sup> )       Ø M20       -       -         Outling machine       1 Magnetic core drilling machine       1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor ZAK 100       1 Safety lashing strap       1 Operating instructions       1         1 Ejector pin ZAK 100       1 Safety lashing strap       1 Operating instructions       1         1 Hexagonal offset screwdriver size 5       1       1 Plastic carry case <td>Voltage</td> <td>230 V/110 V AC, 50 – 60 I</td> <td>lz 230 V/110 V AC, 50 – 60 Hz</td>	Voltage	230 V/110 V AC, 50 – 60 I	lz 230 V/110 V AC, 50 – 60 Hz
Direct arbor       -       19 mm Weldon (?/4)         Industrial arbor       MT3/long, 19 mm (?/4)       MT3         Spindle taper       MT 3       450 rpi         Gear 1 range       70 - 280 rpm       450 rpi         Permanent internal lubrication       Y       Y         Variable speed & torque controls       Y       Y         Full wave control electronics       Y       Y         Overheat protection       Y       Y         Core drill       Y       Y       Y         Ø 20 mm       Ø 20 mm       Ø 20 mm       Ø 35 mm (1-3/6)"         Core drill       Ø 20 mm       Ø 20 mm       Ø 35 mm (1-3/6)"         Cutting depth 40 mm (1-3/16")       Ø 20 mm       Ø 35 mm (1-3/6)"       Cutting depth 40 mm (1-3/6)"         Included in delivery       Included in delivery       Included in delivery         1 Magnetic core drilling machine       1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Ejector pin ZAK 100       1 Safety lashing strap       1 Operating instructions       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions       1 Plastic carry case       1 Plastic carry case	Stroke	160 mm (6- <sup>1</sup> / <sub>2</sub>	") 160 mm (6- <sup>19</sup> / <sub>64</sub> ")
Industrial arbor MT3/long, 19 mm ( <sup>1</sup> / <sub>4</sub> ") Spindle taper MT 3 Gear 1 range 70 – 280 rpm 450 rpm Permanent internal lubrication 70 – 280 rpm Permanent internal lubrication 70 – 70 – 70 – 70 – 70 – 70 – 70 – 70	Weight	19,5 kg (43 lt	s) 16 kg (35.3 lbs)
Spindle taper       MT 3         Gear 1 range       70 - 280 rpm         Gear 2 range       180 - 580 rpm         Permanent internal lubrication       ✓         Variable speed & torque controls       ✓         Full wave control electronics       ✓         Overheat protection       ✓         Clockwise/anticlockwise rotation       ✓         Carbon brush wear indicator       ✓         Core drill       Ø 20 mm         Ø 20 mm       Ø M20         (13/cs")       Tapping         Ø 35 mm (1-3/cs")       Cutting depth 40 mm (1-3/cs")         Included in delivery       Included in delivery         1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100         1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Hexagonal offset screwdriver size 5       1 Plastic carry case	Direct arbor	· · · · · · · · · · · · · · · · · · ·	- 19 mm Weldon ( <sup>3</sup> / <sub>4</sub> ")
Gear 1 range       70 - 280 rpm       450 rpi         Gear 2 range       180 - 580 rpm       180 - 580 rpm         Permanent internal lubrication       ✓       ✓         Variable speed & torque controls       ✓       ✓         Full wave control electronics       ✓       ✓         Overheat protection       ✓       ✓         Clockwise/anticlockwise rotation       ✓       ✓         Carbon brush wear indicator       ✓       ✓         Outing depth 40 mm (1- <sup>2</sup> / <sub>16</sub> ")       Ø 20 mm       Ø M20 ( <sup>13</sup> / <sub>16</sub> ")       Ø 100 ( <sup>13</sup> / <sub>16</sub> ")         Outing depth 40 mm (1- <sup>2</sup> / <sub>16</sub> ")       Ø 20 mm       Ø M20 ( <sup>13</sup> / <sub>16</sub> ")       Ø 35 mm (1- <sup>3</sup> / <sub>6</sub> ")         Outing depth 40 mm (1- <sup>2</sup> / <sub>16</sub> ")       Ø 20 mm       Ø M20 ( <sup>13</sup> / <sub>16</sub> ")       Ø 100 ( <sup>13</sup> / <sub>16</sub> ")         Included in delivery       Included in delivery       Included in delivery       Included in delivery         1 Magnetic core drilling machine         1 ligetor pin ZAK 100       1 Safety lashing strap       1 Operating instructions       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions       1 Plastic carry case       1 Plastic carry case	Industrial arbor	MT3/long, 19 mm ( <sup>3</sup> /,	
Gear 2 range       180 – 580 rpm         Permanent internal lubrication       ✓         Variable speed & torque controls       ✓         Full wave control electronics       ✓         Overheat protection       ✓         Clockwise/anticlockwise rotation       ✓         Carbon brush wear indicator       ✓         Core drill       Ø 20 mm         Ø 20 mm       Ø M20         (1³/16")       Ø 100         Ø 20 mm       Ø 35 mm (1-²/16")         Core drill       Ø 35 mm (1-²/16")         Ø 400 mm (1-²/16")       Ø 100         (1²/16")       Included in delivery         Included in delivery       1 Magnetic core drilling machine         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100         1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Plastic carry case       1 Plastic carry case	Spindle taper	МТ	3 -
Permanent internal lubrication Variable speed & torque controls Va	Gear 1 range	70 – 280 rp	m 450 rpm
Variable speed & torque controls       ✓         Full wave control electronics       ✓         Overheat protection       ✓         Clockwise/anticlockwise rotation       ✓         Carbon brush wear indicator       ✓         Core drill       Ø 20 mm         Ø 20 mm (2")       Ø 20 mm         Ø 20 mm (1°)/ <sub>0</sub> (1°/ <sub>16</sub> ")       Ø M20 (1°/ <sub>16</sub> ")         Outring depth 40 mm (1-9' <sub>16</sub> ")       Ø 10°/ <sub>16</sub> ")         Included in delivery       Included in delivery         1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100         1 Ejector pin ZAK 100       1 Safety lashing strap         1 Safety lashing strap       1 Operating instructions         1 Hexagonal offset screwdriver size 5       1 Plastic carry case	Gear 2 range	180 – 580 rp	m –
Full wave control electronics       ✓         Overheat protection       ✓         Clockwise/anticlockwise rotation       ✓         Carbon brush wear indicator       ✓         Core drill       Ø 20 mm         Ø 20 mm (2")       Ø 20 mm         Ø 20 mm (1 <sup>-3</sup> / <sub>16</sub> ")       Ø M20         (1 <sup>3</sup> / <sub>16</sub> ")       (1 <sup>3</sup> / <sub>16</sub> ")         Dutting depth 40 mm (1 <sup>-3</sup> / <sub>16</sub> ")       Ø 10 mm         Ø 10 mm	Permanent internal lubrication		/ /
Overheat protection       ✓         Clockwise/anticlockwise rotation       ✓         Carbon brush wear indicator       ✓         Core drill       ✓         Ø 50 mm (2")       Twist drill         Ø 20 mm       Ø M20         (13/16")       Ø M20         (13/16")       Ø M20         (13/16")       Ø M20         Outing depth 40 mm (1-9/16")       Ø 35 mm (1-3/8")         Cutting depth 40 mm (1-9/16")       Ø 100         Included in delivery       Included in delivery         1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100         1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Hexagonal offset screwdriver size 5       1 Plastic carry case	Variable speed & torque controls		
Clockwise/anticlockwise rotation   Carbon brush wear indicator   Core drill   0 50 mm (2")   0 20 mm   0 20 mm   0 420   (13/16")     0 13/16")     Included in delivery     1 Magnetic core drilling machine   1 Industrial arbor ZIAL 319KN   1 Ejector pin ZAK 100   1 Ejector drift MT3   1 Ejector drift MT3   1 Hexagonal offset screwdriver size 5   1 Operating instructions   1 Plastic carry case	Full wave control electronics		
Carbon brush wear indicator          Core drill       Twist drill       Tapping         Ø 50 mm (2")       Ø 20 mm       Ø M20         butting depth 40 mm (1- <sup>9</sup> / <sub>16</sub> ")       Ø M20       Ø 35 mm (1- <sup>3</sup> / <sub>6</sub> ")         Cutting depth 40 mm (1- <sup>9</sup> / <sub>16</sub> ")       Ø M20       Ø 35 mm (1- <sup>3</sup> / <sub>6</sub> ")         Included in delivery       Included in delivery       Included in delivery         1 Magnetic core drilling machine       1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100       1 Safety lashing strap         1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Plastic carry case       1 Plastic carry case	Overheat protection		
Core drill       Twist drill       Tapping         0 50 mm (2")       0 20 mm       0 M20         0 stuting depth 40 mm (1-9/16")       0 35 mm (1-3/6")       Cutting depth 40 mm (1-9/16")         Included in delivery       Included in delivery       Included in delivery         1 Magnetic core drilling machine       1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100       1 Safety lashing strap         1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Plastic carry case       1 Plastic carry case	Clockwise/anticlockwise rotation		
Ø 50 mm (2")       Ø 20 mm       Ø M20       Ø 35 mm (1-³/s")       Cutting depth 40 mm (1-³/s")         Cutting depth 40 mm (1-²/16")       (1³/16")       Included in delivery       Included in delivery         1 Magnetic core drilling machine       1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100       1 Safety lashing strap         1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Plastic carry case       1 Plastic carry case	Carbon brush wear indicator		
Ø 50 mm (2")       Ø 20 mm       Ø M20       Ø 35 mm (1-3/8")         Cutting depth 40 mm (1-9/16")       (13/16")       Cutting depth 40 mm (1-9/16")         Included in delivery       Included in delivery       Included in delivery         1 Magnetic core drilling machine       1 Magnetic core drilling machine         1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100         1 Ejector pin ZAK 100       1 Safety lashing strap         1 Safety lashing strap       1 Operating instructions         1 Plastic carry case       1 Plastic carry case	Core drill 🛛 🗍 Twi	ist drill	Core drill
Included in deliveryIncluded in delivery1 Magnetic core drilling machine1 Magnetic core drilling machine1 Industrial arbor ZIAL 319KN1 Ejector pin ZAK 1001 Ejector pin ZAK 1001 Safety lashing strap1 Ejector drift MT31 Hexagonal offset screwdriver size 41 Safety lashing strap1 Operating instructions1 Hexagonal offset screwdriver size 51 Plastic carry case	ð 50 mm (2'') Ø 2	20 mm 🛛 🖉 Ø M20	Ø 35 mm (1- <sup>3</sup> / <sub>8</sub> ")
1 Magnetic core drilling machine1 Magnetic core drilling machine1 Industrial arbor ZIAL 319KN1 Ejector pin ZAK 1001 Ejector pin ZAK 1001 Safety lashing strap1 Ejector drift MT31 Hexagonal offset screwdriver size 41 Safety lashing strap1 Operating instructions1 Hexagonal offset screwdriver size 51 Plastic carry case	Cutting depth 40 mm $(1-9/16")$ (13/	$\binom{13}{16}$	Cutting depth 40 mm (1-9/16")
1 Industrial arbor ZIAL 319KN       1 Ejector pin ZAK 100         1 Ejector pin ZAK 100       1 Safety lashing strap         1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Hexagonal offset screwdriver size 5       1 Plastic carry case	Included in delivery		Included in delivery
1 Ejector pin ZAK 100       1 Safety lashing strap         1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Hexagonal offset screwdriver size 5       1 Plastic carry case         1 Plastic carry case       1 Plastic carry case	1 Magnetic core drilling machine		1 Magnetic core drilling machine
1 Ejector drift MT3       1 Hexagonal offset screwdriver size 4         1 Safety lashing strap       1 Operating instructions         1 Hexagonal offset screwdriver size 5       1 Plastic carry case         1 Operating instructions       1 Plastic carry case	1 Industrial arbor ZIAL 319KN		1 Ejector pin ZAK 100
1 Safety lashing strap       1 Operating instructions         1 Hexagonal offset screwdriver size 5       1 Plastic carry case         1 Operating instructions       1 Plastic carry case         1 Plastic carry case       1 Operating instructions	1 Ejector pin ZAK 100		1 Safety lashing strap
1 Hexagonal offset screwdriver size 5       1 Plastic carry case         1 Operating instructions       1         1 Plastic carry case       1	1 Ejector drift MT3		1 Hexagonal offset screwdriver size 4
1 Operating instructions 1 Plastic carry case	1 Safety lashing strap		1 Operating instructions
1 Plastic carry case	1 Hexagonal offset screwdriver size	5	1 Plastic carry case
	1 Operating instructions		
	1 Plastic carry case		



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