Portable Magnetic Base Drilling Machine

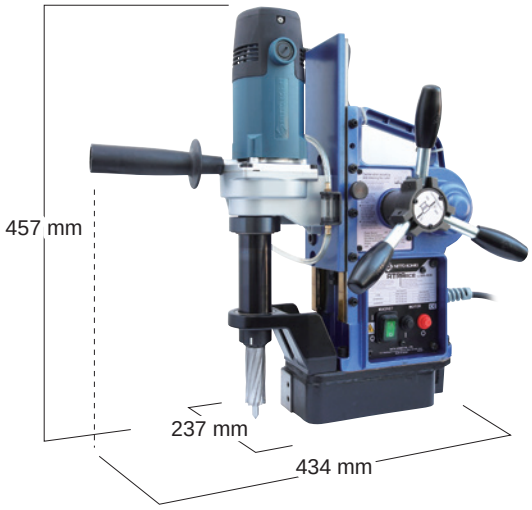
ATRA ACE auto

High-performance feed system & high-tech components

• Drilling time and cutting performance are enhanced by the automatic feed function.

Model WA-4000 CE

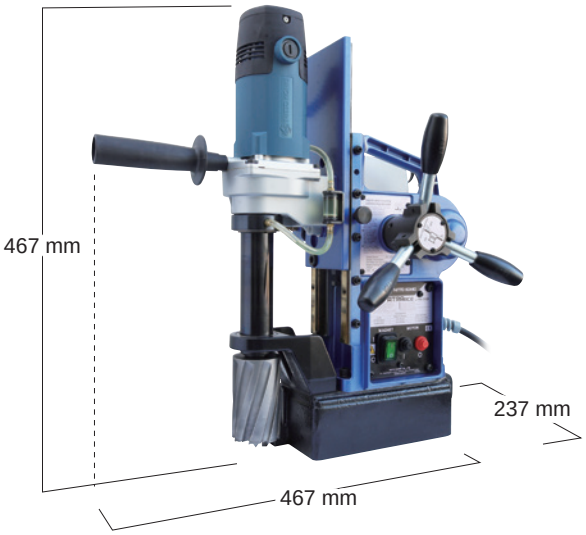
• Max. 40 mm dia. x 50 mm deep



Model WA-5500 CE

• Max. 55 mm dia. x 75 mm deep

YouTube



Specifications

Model			WA-4000		WA-5500	
Power Source (Single Phase)			220 - 240 V AC, 50/60 Hz		220 - 240 V AC, 50/60 Hz	
Electric Drill	Rated Power Consumption	W	1010		1040	
	Rated Current	A	4.3		4.3	
	No-load Speed	min^{-1}(rpm)	740		520	
Magnet Power Consumption		W	40		70	
Hole Capacity mm	Cutter		Hole Diameter	Plate Thickness	Hole Diameter	Plate Thickness
	One-touch Type JETBROACH 25L		12 to 35	9 to 25	17.5 to 35	9 to 25
	One-touch Type JETBROACH 35L		17.5 to 40	9 to 35*	17.5 to 40	9 to 35*
	One-touch Type JETBROACH 50L		12 to 40	9 to 50*	17.5 to 19.5	9 to 35*
			-	-	20 to 50	9 to 50*
			-	-	51 to 55	9 to 35*
	One-touch Type JETBROACH 75L		-	-	17.5 to 19	9 to 35*
			-	-	20 to 50	9 to 75*
			-	-	51 to 55	9 to 50*
	One-touch Type HI-BROACH 25L		14 to 35	9 to 25	14 to 50	9 to 25
	One-touch Type HI-BROACH 50L		14 to 35	9 to 50*	16 to 19	9 to 35*
			-	-	20 to 40	9 to 50*
			-	-	41 to 50	9 to 35*
Min. Plate Thickness for Magnet Adhesion		mm	9		9	
Max. Stroke		mm	84		107	
Magnet Holding Power		N(kgf)	7056 (720)		9800 (1000)	
Magnet Dimensions		mm	92 (W) x 213 (L)		101 (W) x 203 (L)	
Power Cord Length		m	3		3	
Mass (Weight)		kg	19		22	
Accessories Included			• Carry Case • Cutting Oil 0.5L • Pilot Pin 08035 • Sub Handle	• 3 mm Hex Socket Screw Key • 8 x 10 mm Spanner • Guard • Chain	• Carry Case • Cutting Oil 0.5L • Pilot Pin 08050 • Sub Handle • 3 mm Hex Socket Screw Key	• 4 mm Hex Socket Screw Key • 8 x 10 mm Spanner • Guard • Chain • Chip Breaker (Installed)

*Be sure to use the Chip Breaker when drilling holes with a plate thickness of 35 mm or more.

Optional Accessories

Ref. No.	PN	Description	Sales Unit	Applicable Model	
				WA-4000	WA-5500
1	TB05186	Chip Breaker Ass'y	1 set	●	
2	TB01507	Cutting Oil 2L	1 piece	●	●
3	TB04374	Supporting Magnet Ass'y	1 set	●	●
4	TB02536	Sleeve 6.5 for Triangle Shank Drill Bit	1 piece	●	●
5	TB07696	Pipe Attachment Ass'y	1 set	●	
		One-touch Type JETBROACH 25L	1 piece	●	●
		One-touch Type JETBROACH 35L	1 piece	●	●
		One-touch Type JETBROACH 50L	1 piece	●	●
		One-touch Type JETBROACH 75L	1 piece		●
		One-touch Type HI-BROACH 25L	1 piece	●	●
		One-touch Type HI-BROACH 50L	1 piece	●	●

Applicable Pipe Size: OD 48.6 to 318.5 mm

One-touch Cutter Replacement

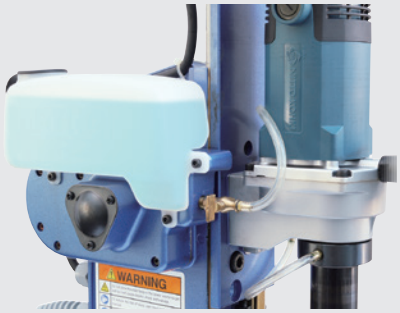
Replacement is quick and easy with our unique push fit self-centering cutter system.

Mounting the cutter

Removing the cutter

Coolant into the Heart of the Cut

Coolant is fed directly to the inside of the cut.
The coolant system also features an auto shut-off.



Improved Bearing Bracket

Our precision bearing bracket aligns cutters precisely, which increases cutter life.

Fail-Safe Protection

Built-in Motion Sensor

If any lateral movement or excess vibration is detected, both the drill and the feed motor stop. Nitto Kohki is the first company to incorporate this feature into magnetic base drills.

Fail-safe Restart

The drill will not re-start even if power is re-supplied after accidental shutdown. Drilling can only be continued after turning on the drill switch.

Magnet Open-circuit Sensor

The drill will not start until the magnetic field is active.

Chip Breaker

This chip breaker prevents the cutter from becoming jammed with metal shavings.

- Standard accessory for the WA-5500
- Optional accessory for the WA-4000

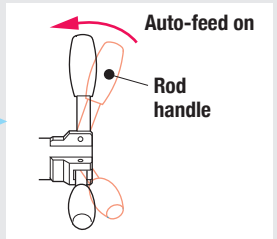
New drill control prevents cutters from breaking

Slow Start Mechanism

The feed speed is reduced for the first few seconds after boring begins to ensure a smooth cut through the mill scale.

Auto-feed

Automatic control & feed are activated by simply pushing the Rod handle to engage the clutch.



Load Sensor

The dual sensing system responds to both drilling and feeding forces on the cutter for the optimum cutting condition.

Variable Automatic Feed

The feed speed is continuously monitored and updated proportionally to the load on the cutter.

Cycle Stop

After the cut has finished, a detector responds to the reduction in load and both the drill and the feed motor automatically stop.

Overload Stop

When an excessive load is applied to the cutter, both the drill and the feed motor will stop automatically.