



ATRAACE Manual feed Model ARA-100A

Optional Accessories



Cutting Oil 2L per can
PN: TB01507



Supporting Magnet Ass'y
PN: TB04374



Holder MT03075 One-touch
PN: TB09279



Holder MT03075 Side-lock
PN: TB09792

Combination of Pilot Pins and Broach Cutters

| Size mm dia. | PN | | | | | PN | | |
|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------|--------------------------------|---------|
| | Pilot Pin 08025 (A1) PN: TJ12696 | Pilot Pin 08050 (A3) PN: TJ16019 | Pilot Pin 08035 (A2) PN: TJ15859 | Pilot Pin 08050 (A3) PN: TJ16019 | Pilot Pin 08075 (A4) PN: TJ17436 | | Pilot Pin 12075 PN: TA9A207 | |
| | HI-BROACH One-touch Type | | JETBROACH One-touch Type | | | | JETBROACH Side-lock Type | |
| | 25L | 50L | 35L | 50L | 50L for stacked two plates | 75L | | 75L |
| 17.5 | TK00335 | | TK00301 | TK00380 | | TK01036 | 50 | TJ17709 |
| 18 | TK00336 | TK00727 | | TK00381 | TK01068 | TK01003 | 51 | TJ16651 |
| 18.5 | | | TK00303 | | | | 52 | TJ16652 |
| 19 | TK00337 | TK00728 | TK00304 | TK00382 | | TK01004 | 53 | TJ16653 |
| 19.5 | TK00338 | | TK00305 | TK00383 | | | 54 | TJ16654 |
| 20 | TK00339 | TK00729 | TK00306 | TK00384 | | TK01005 | 55 | TJ16655 |
| 20.5 | | | TK00307 | TK00385 | | | 56 | TJ16656 |
| 21 | TK00340 | TK00730 | TK00308 | TK00386 | | TK01006 | 57 | TJ16657 |
| 21.5 | TK00341 | | TK00309 | TK00387 | | | 58 | TJ16658 |
| 22 | TK00342 | TK00731 | TK00310 | TK00388 | TK00622 | TK01007 | 59 | TJ16659 |
| 22.5 | TK00343 | | TK00311 | TK00389 | | | 60 | TJ16660 |
| 23 | TK00344 | TK00738 | TK00312 | TK00390 | | TK01008 | 61 | TJ16661 |
| 23.5 | TK00345 | | TK00313 | TK00391 | | | 62 | TJ16662 |
| 24 | TK00346 | TK00733 | TK00314 | TK00392 | TK00623 | TK01009 | 63 | TJ16663 |
| 24.5 | TK00347 | | TK00315 | TK00393 | TK00631 | | 64 | TJ16664 |
| 25 | TK00348 | TK00734 | TK00316 | TK00394 | TK00624 | TK01010 | 65 | TJ16665 |
| 26 | TK00349 | TK00735 | TK00317 | TK00395 | TK00625 | TK01011 | 66 | TJ16666 |
| 26.5 | TK00350 | | TK00318 | TK00396 | TK00632 | | 67 | TJ16667 |
| 27 | TK00351 | TK00736 | TK00319 | TK00397 | | TK01012 | 68 | TJ16668 |
| 28 | TK00352 | TK00737 | TK00320 | TK00398 | TK00626 | TK01013 | 69 | TJ16669 |
| 29 | TK00353 | TK00732 | TK00321 | TK00399 | | TK01014 | 70 | TJ16670 |
| 30 | TK00354 | TK00739 | TK00322 | TK00400 | | TK01015 | 71 | TJ16671 |
| 31 | TK00355 | TK00740 | TK00323 | TK00401 | | TK01016 | 72 | TJ16672 |
| 32 | TK00356 | TK00741 | TK00324 | TK00402 | TK00627 | TK01017 | 73 | TJ16673 |
| 33 | TK00357 | TK00742 | TK00325 | TK00403 | | TK01018 | 74 | TJ16674 |
| 34 | TK00359 | TK00743 | TK00326 | TK00404 | | TK01019 | 75 | TJ16675 |
| 35 | TK00361 | TK00744 | TK00328 | TK00405 | TK00628 | TK01020 | 76 | TJ16676 |
| 36 | | | TK00602 | TK00406 | | TK01021 | 77 | TJ16677 |
| 37 | | | TK00603 | TK00407 | | TK01022 | 78 | TJ16678 |
| 38 | | | TK00604 | TK00408 | | TK01023 | 79 | TJ16679 |
| 39 | | | TK00605 | TK00409 | | TK01024 | 80 | TJ16680 |
| 40 | | | TK00606 | TK00410 | | TK01025 | 81 | TJ16681 |
| 41 | | | | TK00411 | | TK01026 | 82 | TJ16682 |
| 42 | | | | TK00412 | | TK01027 | 83 | TJ16683 |
| 43 | | | | TK00413 | | TK01028 | 84 | TJ16684 |
| 44 | | | | TK00414 | | TK01029 | 85 | TJ16685 |
| 45 | | | | TK00415 | | TK01030 | 86 | TJ16686 |
| 46 | | | | TK00416 | | TK01031 | 87 | TJ16687 |
| 47 | | | | TK00417 | | TK01032 | 88 | TJ16688 |
| 48 | | | | TK00418 | | TK01033 | 89 | TJ16689 |
| 49 | | | | TK00419 | | TK01034 | 90 | TJ16690 |
| 50 | | | | TK00420 | | TK01035 | 91 | TJ16691 |
| 51 | | | | TK00442 | | TK01112 | 92 | TJ16692 |
| 52 | | | | TK00443 | | TK01113 | 93 | TJ16693 |
| 53 | | | | TK00444 | | TK01114 | 94 | TJ16694 |
| 54 | | | | TK00445 | | TK01115 | 95 | TJ16695 |
| 55 | | | | TK00446 | | TK01116 | 96 | TJ16696 |
| 56 | | | | TK00447 | | | 97 | TJ16697 |
| 57 | | | | TK00448 | | | 98 | TJ16698 |
| 58 | | | | TK00449 | | | 99 | TJ16699 |
| 59 | | | | TK00450 | | | 100 | TJ16700 |
| 60 | | | | TK00451 | | | | |
| 61 | | | | TK00607 | | | | |
| 62 | | | | TK00608 | | | | |
| 63 | | | | TK00609 | | | | |
| 64 | | | | TK00610 | | | | |
| 65 | | | | TK00611 | | | | |

Compact design
Weight reduced to **30 kg**

JETBROACH Cutters,
HI-BROACH Cutters,
and Twist Drill Bits
Can Be Used.



Max. 100 mm dia
x
75 L

Max. 32 mm dia

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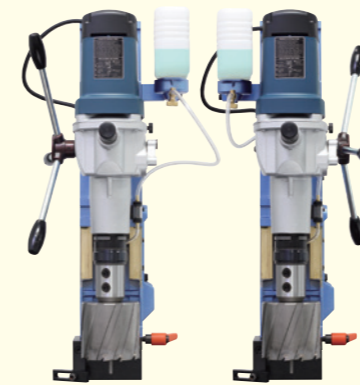




| Specifications | | ARA-100A | |
|------------------------------------|------------------------------|--|-----------------------|
| Model | | ARA-100A | |
| Power Source (Single Phase) | | 220 - 240 V AC, 50/60 Hz | |
| Electric Drill | Rated Power Consumption | W | 1800 |
| | Rated Current | A | 8.2 |
| | No-load Speed | min ⁻¹ (rpm) | 110 - 210 / 330 - 660 |
| | Morse Taper No. | W | MT3 |
| | Rated Duty | min | 30 |
| Magnet Power Consumption | | W | 80 |
| Hole Capacity | Cutter | Hole Diameter | Plate Thickness |
| | | mm | mm |
| | One-touch Type JETBROACH 35L | 17.5 to 40 | 13 to 35 |
| | One-touch Type JETBROACH 50L | 17.5 to 65 | 13 to 50 |
| | One-touch Type JETBROACH 75L | 17.5 to 55 | 13 to 75 |
| | JETBROACH 75L | 50 to 100 | 13 to 75 |
| One-touch Type HI-BROACH 25L | 17.5 to 35 | 13 to 25 | |
| One-touch Type HI-BROACH 50L | 18 to 35 | 13 to 50 | |
| Twist Drill | | Max. 32 mm dia. | |
| Magnet Holding Power | | N(kgf) | 17000 (1733) |
| Magnet Dimensions | | mm | 110 x 220 |
| Cutter Position | | Straight Front to Back | mm |
| Adjustment | | Swivel angle | 30° |
| Power Cord Length | | m | 5 |
| Mass (Weight) | | kg | 30 |
| Accessories Included | | <ul style="list-style-type: none"> • Pilot Pin 12075 • Side Handle • 2.5 mm Hex. Socket Screw Key • 5 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • 8 mm Hex. Socket Screw Key • Drill Drift • 7 x 8 mm Spanner • Safety Chain • Guard | |

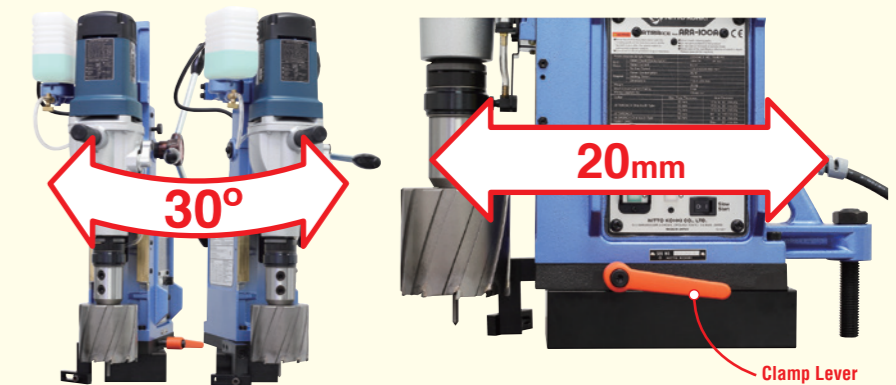
Features

Reversible Feed Handles

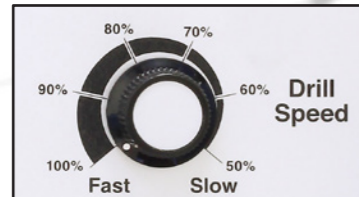
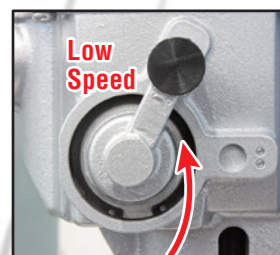


Feed handles can be positioned on the right or left hand side for ease of drilling. When changing the feed handle position, oil tank is required to be positioned opposite to the feed handles

Drilling Position Adjustment



When the clamp lever is loosened, the drill position can be adjusted back and forth by 20 mm and pivoted 15 degrees to the left or right. The clamp lever can be positioned for left hand or right hand operation.



Two speed electric drill with speed adjustment

Optimum drill speed adjustment can be made to bore a hole on difficult-to-cut materials or to securely set a hole cutting position at initial cutting stage.



Slow Starting Function

Slow speed at the beginning of boring will securely set a hole cutting position.

Load Indication

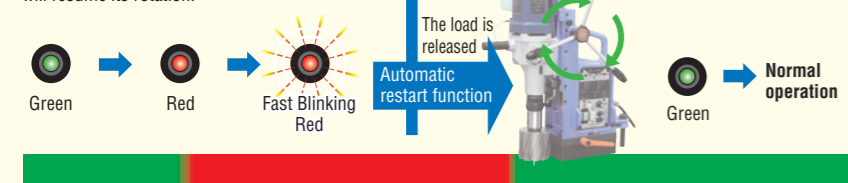
The load indicator (LED) indicates the condition of the load with different color of LED light. The LED lights up in green. The LED lights up in red. The LED blinks in red.

Automatic Stop Function

As the drilling load increases, the load indicator will change in color from green to red. In addition, if excessive feeding force is applied, the load indicator will rapidly blink red and the rotation of the drill motor will slow down and stop. After the drill motor has come to a complete stop, the load indicator will slowly blink in green. To resume the rotation of the drill motor release the load and turn off the switch of the drill motor, and then turn it on.

Automatic Restart Function

If the load is released while the load indicator is blinking red, the drill motor will resume its rotation.



Load Indication and LED Condition

Built-in Motion Sensor

If any lateral movement or excess vibration is detected during drilling a hole, the drill motor stop instantly and the LED blink red. To resume operation, turn the magnet switch off and on.



Fail-safe Restart

The magnetic field will become active, but the drill will not re-start even if power is re-supplied after accidental shutdown. The LED will blink green at this stage. 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. If malfunction occurs on the magnet, the LED will blink red slowly and the drill motor will not revolve.



Accessory

Holder MT03075 Side-lock



Optional accessory

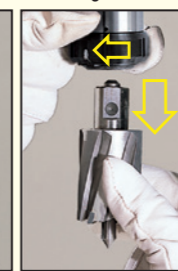
Holder MT03075 One-Touch type



Mounting the cutter



Removing the cutter

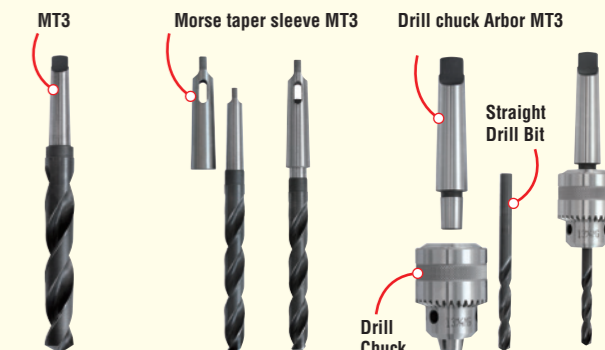


Align the depression in the cutter shank with the white line on the sleeve, and then insert the cutter. Turn the sleeve counterclockwise. The cutter will come off.

One-Touch Cutter Replacement

Available in the market

Twist Drill Bit



MT3 Morse taper shank drill bit can be directly installed.

Use Morse taper sleeve MT3 for other sizes than MT3

A drill chuck is required to install a straight drill bit.

Dimensions

