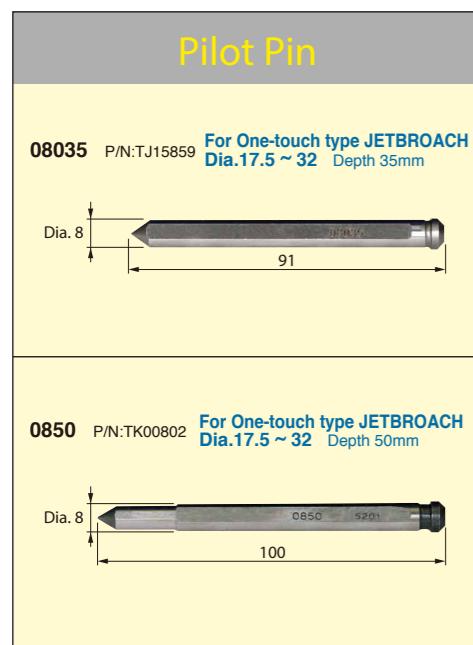


# ATRAACE WOJ-3200

Manual feed

## Specification

Model	WOJ-3200									
Power Source (Single Phase)	220~240 V AC 50/60Hz									
Electric Drill	<table border="1"> <tr> <td>Rated Power Consumption</td> <td>W</td> <td>950</td> </tr> <tr> <td>Rated Current</td> <td>A</td> <td>4.3</td> </tr> <tr> <td>No Load Speed</td> <td>min<sup>-1</sup> (rpm)</td> <td>870</td> </tr> </table>	Rated Power Consumption	W	950	Rated Current	A	4.3	No Load Speed	min <sup>-1</sup> (rpm)	870
Rated Power Consumption	W	950								
Rated Current	A	4.3								
No Load Speed	min <sup>-1</sup> (rpm)	870								
Magnet Power Consumption	W	70								
Hole-cutting Capacity	Cutter	Hole Diameter	Plate Thickness							
One-touch type JETBROACH		17.5 to 32 mm	9 to 50 mm							
Magnet Holding Power	N (kgf)	9000(918)								
Magnet Dimensions	mm	99 x 177								
Mass (Weight)	kg	13								
Standard Accessories		<ul style="list-style-type: none"> <li>Guard Ass'y: 1 set</li> <li>Pilot Pin 08050 : 1pc.</li> <li>Hex Socket Screw Key 3mm : 1pc.</li> <li>Hex Socket Screw Key 6mm : 1pc.</li> <li>Spanner 8 x 10 : 1pc.</li> <li>Safety Strap : 1pc.</li> </ul>								



**NPOWER**  
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NaviTech



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► Specifications and designs are subject to change at any time without notice.



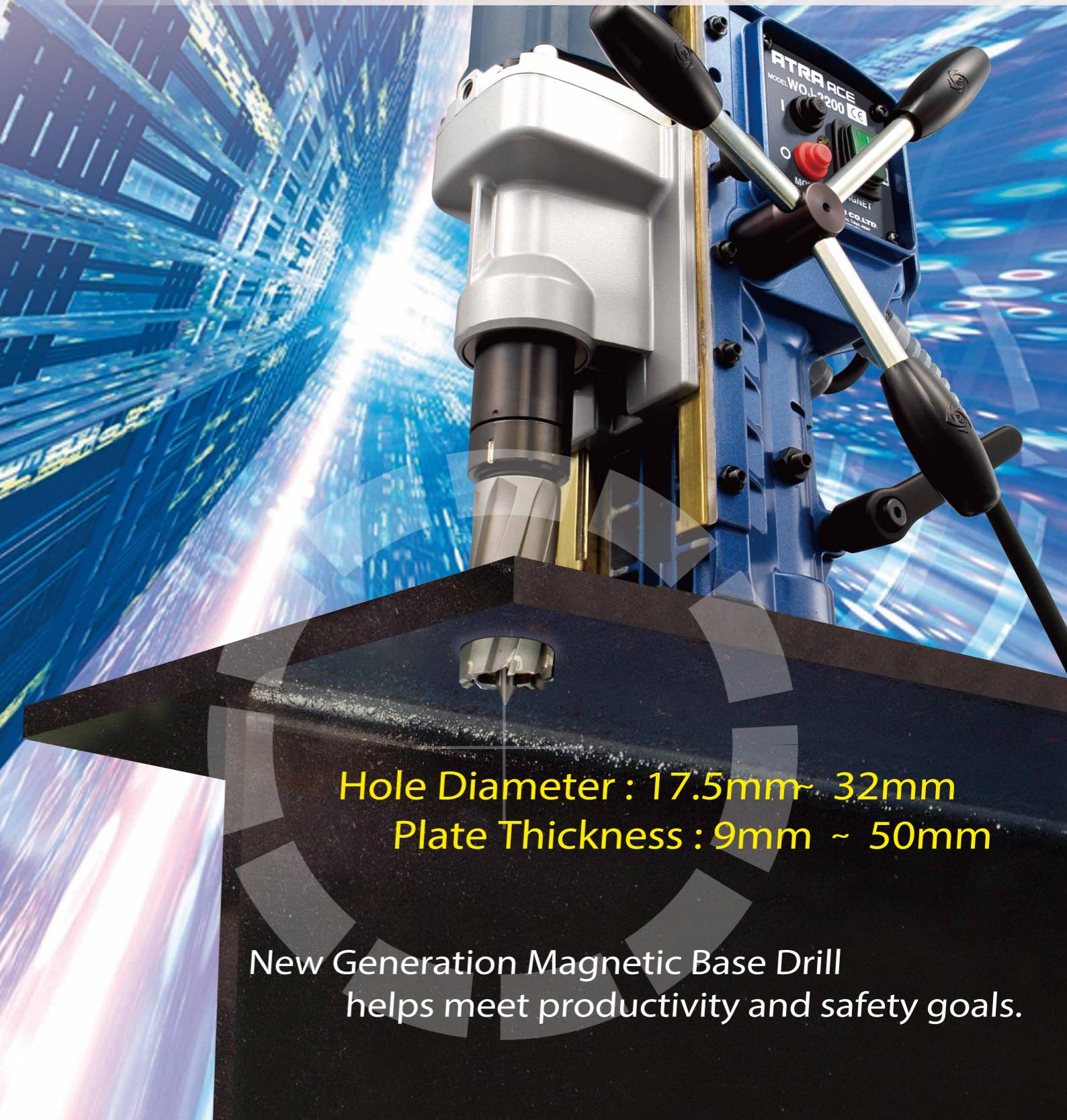
## Portable Magnetic Base Drilling Machine

**ATRAACE**  
Manual feed

Model

# WOJ-3200

Designed to use Jetbroach Carbide Tipped Annular Cutters



Hole Diameter : 17.5mm~ 32mm  
Plate Thickness : 9mm ~ 50mm

New Generation Magnetic Base Drill  
helps meet productivity and safety goals.



**ATRA ACE**  
Manual feed

Model **WOJ-3200**

Designed to use Jetbroach CarbideTipped Annular Cutters

Fresh compact design with advanced safety system answers the customer's needs.

**THE WORLD'S FIRST MANUAL FEED WITH  
"SMART-STOP / RAPID-RESTART " TECHNOLOGY**

This new feature is a breakthrough in the Manual drill industry. Formerly only found on high end Nitto Kohki Automatic drills, this technology displays the current drill status via the LED Load Indicator. Customers will experience a cutting edge drill management system designed solely around saving time and money in replacement parts and cutters in addition to reducing user fatigue and downtime.

**FAIL-SAFE RESTART**

In the event of a power loss while drilling, the drill will not restart even after power is resupplied. The motor "Start" switch is required to be depressed to resume drilling.

**MAGNET OPEN-CIRCUIT SENSOR**

The drill will not start if the magnet fails to energize due to an open field or faulty wire.

**BODY HEIGHT ADJUSTMENT**

Loosening the pillar clamp allows the complete frame to be lifted up to a maximum of 60mm for specific drilling. The use of Jetbroach cutters require the frame to be at the lowest position, while twist bit drilling required the appropriate amount of elevation to be adjusted for safe operation. The pillar clamp is required to be tightened before safe drilling may take place.

**Note:** Always engage the magnet before adjusting the body height.



**REVERSIBLE  
FEED HANDLES**

Feed handles can be positioned on the right or left hand side for ease of drilling and mounting in confined spaces.



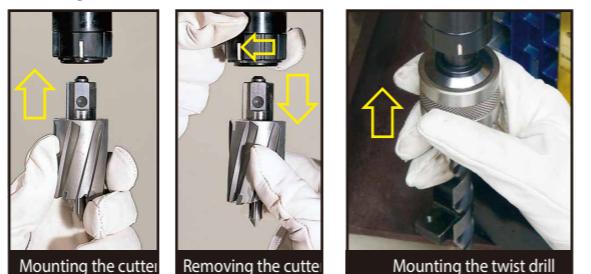
**Optional  
CHIP BREAKER**

Optional chip breaker helps prevent the cutter from plugging the hole with chip debris, causing some false overloads and cutter life loss.



**ONE-TOUCH CUTTER REPLACEMENT**

Our original self-centering tool-less chuck is quick and easy to change cutters with little downtime.



**COMMON PLACE APPLICATIONS**

On-site hole cutting in steel plates, H-Beams, shaped bars, framework, shipbuilding, bridge construction and repair, steel reinforcements, and many other metal working and construction jobs.



Portable Magnetic Base Drilling Machine

**Optional JETBROACH CARBIDE TIPPED ANNULAR CUTTERS**

Original Jetbroach cutters drastically shorten drilling time when compared to similar sized conventional twist drills.



**Optional ONE-TOUCH ADAPTER**

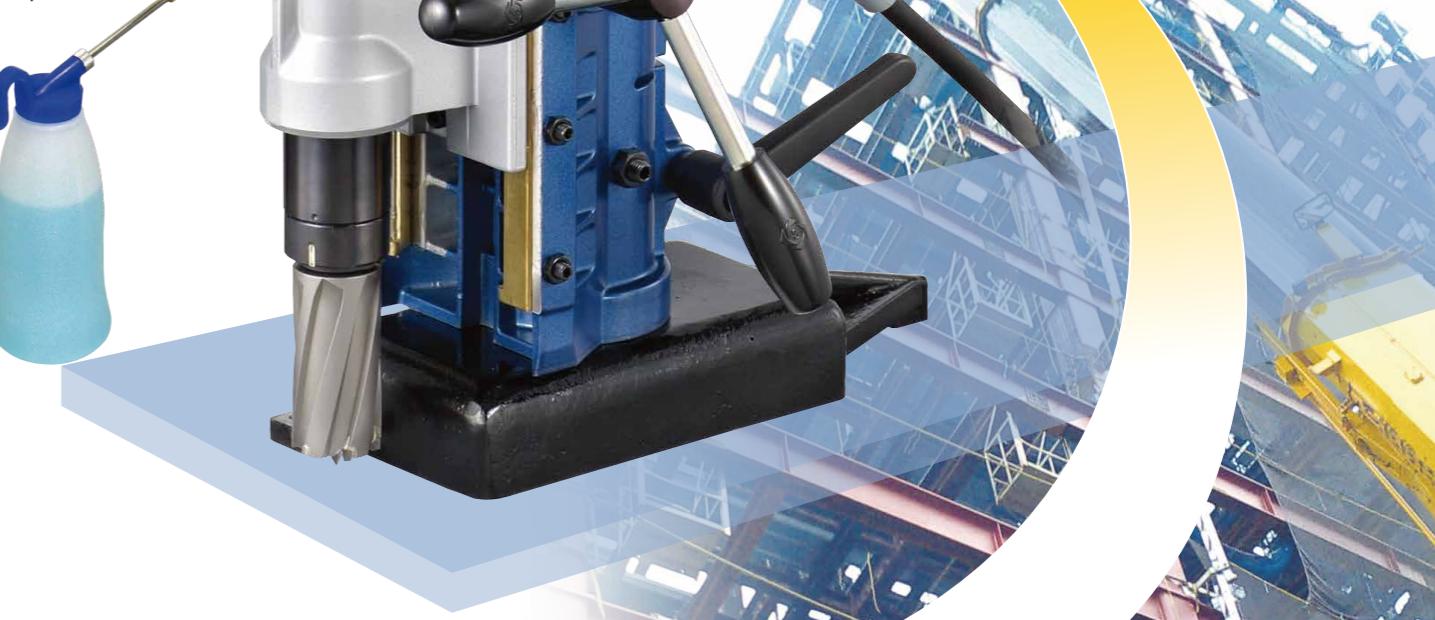
Optional One-Touch adapter allows the use of up to 13mm twist drills to be used in the original arbor.



**Optional**

**JET OILING  
SYSTEM**

Optional Jet Oiling System for use with all drilling applications and types of cutters to extend cutter life and increase hole output.



**Load detector with "Smart-Stop/Rapid Restart" technology**

As the drilling load increases, the load indicator will change in color from green to orange 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 temporarily stop. If the load is released while the load indicator is blinking red, the drill motor will resume its rotation.

**LED load indicator**

Green → Orange → Red

Proper load

Overload

Red

"Smart Stop"  
Fast Blinking Red

Overload

Slow Blinking Green

Drill motor  
shuts off

Drill motor  
will not  
turn on

Continued overload

"Rapid-Start" resumes drilling operation

Green / Orange

Resume proper load

"Smart Stop" stalls motor when overloaded

Slow Blinking Red

# BORING

## Annular Cutters

# JETBROACH CUTTERS & HI-BROACH CUTTERS

### BROACH CUTTERS are far better than twist drills

- No dead point
- Peripheral cutting
- Dramatically reduce cutting resistance
- Available diameter size: 12 - 100 mm

Test Drilling is very often the only way to determine the machinability of difficult materials.  
Use a small size cutter wherever possible in order to minimize trial costs.



#### Specifications

		HI-BROACH One-touch Type/25L	HI-BROACH One-touch Type/50L	JETBROACH One-touch Type/25,35,50L	JETBROACH One-touch Type/50L(W)	JETBROACH One-touch Type/75L	JETBROACH Side lock Type/75L	
Hole Capacity mm	Hole Diameter	25L: 12 - 52 dia.	-	25L: 12 - 17 dia.	-	-	-	
		-	-	35L: 17.5 - 40 dia.	-	-	-	
	Plate Thickness	-	50L: 12 - 52 dia.	50L: 12 - 65 dia.	50L(W): 18, 22, 24 - 26.5, 28, 32, and 35 dia.	-	-	
		25L: 25	-	25L: 25	-	75L: 17.5 - 55 dia.	75L: 50 - 100 dia.	
Feed Speed mm/rev		0.02 - 0.1						
Circumferential Speed m/min		15 - 35 (mild steel)						
		35 - 50 (mild steel)						

HI-BROACH One-touch Type		
Depth	mm dia.	PN
12	TK00698	
13	TK00699	
14	TK00700	● ●
15	TK00701	● ●
16	TK00702	● ●
17	TK00703	● ●
17.5	TK01391	● ● ●
18	TK01392	● ● ●
19	TK01393	● ● ●
19.5	TK01394	● ● ●
20	TK01395	● ● ●
21	TK01396	● ● ●
21.5	TK01397	● ● ●
22	TK01398	● ● ●
22.5	TK01399	● ● ●
23	TK01400	● ● ●
23.5	TK01401	● ● ●
24	TK01402	● ● ●
24.5	TK01403	● ● ●
25	TK01404	● ● ●
26	TK01405	● ● ●
27	TK01407	● ● ●
28	TK01408	● ● ●
29	TK01409	● ● ●
30	TK01410	● ● ●
31	TK01411	● ● ●
32	TK01412	● ● ●
33	TK01413	● ● ●
34	TK01414	● ● ●
35	TK01415	● ● ●
36	TK01416	● ●
37	TK01417	● ●
38	TK01418	● ●
39	TK01419	● ●
40	TK01420	● ●
41	TK01421	● ●
42	TK01422	● ●
43	TK01423	● ●
44	TK01424	● ●
45	TK01425	● ●
46	TK01426	● ●
47	TK01427	● ●
48	TK01428	● ●
49	TK01429	● ●
50	TK01430	● ●
51	TK01431	
52	TK01432	

HI-BROACH One-touch Type		
Depth	mm dia.	PN
12	TK00721	●
13	TK00722	● ●
14	TK00723	● ●
15	TK00724	● ● ●
16	TK00725	● ● ●
17	TK00726	● ● ●
18	TK00727	● ● ●
19	TK00728	● ● ●
20	TK00729	● ● ●
21	TK00730	● ● ●
22	TK00731	● ● ●
23	TK00732	● ● ●
24	TK00733	● ● ●
25	TK00734	● ● ●
26	TK00735	● ● ●
27	TK00736	● ● ●
28	TK00737	● ● ●
29	TK00738	● ● ●
30	TK00739	● ● ●
31	TK00740	● ● ●
32	TK00741	● ● ●
33	TK00742	● ● ●
34	TK00743	● ● ●
35	TK00744	● ● ●
36	TK00745	● ● ●
37	TK00746	● ● ●
38	TK00747	● ● ●
39	TK00748	● ●
40	TK00749	● ●
41	TK00750	● ●
42	TK00751	● ●
43	TK00752	● ●
44	TK00753	● ●
45	TK00754	● ●
46	TK00755	● ●
47	TK00756	● ●
48	TK00757	● ●
49	TK00758	● ●
50	TK00759	● ●
51	TK00760	
52	TK00761	

JETBROACH One-touch Type		
Depth	mm dia.	PN
12	TK01148	●
13	TK01149	●
14	TK01150	●
15	TK01151	●
16	TK01152	●
17	TK01153	●
17.5	TK01249	● ● ●
18	TK01250	● ● ●
18.5	TK01251	● ● ●
19	TK01252	● ● ●
19.5	TK01253	● ● ●
20	TK01254	● ● ●
20.5	TK01255	● ● ●
21	TK01256	● ● ●
21.5	TK01257	● ● ●
22	TK01258	● ● ●
22.5	TK01259	● ● ●
23	TK01260	● ● ●
23.5	TK01261	● ● ●
24	TK01262	● ● ●
24.5	TK01263	● ● ●
25	TK01264	● ● ●
25.5	TK01265	● ● ●
26	TK01266	● ● ●
26.5	TK01267	● ● ●
27	TK01268	● ● ●
28	TK01269	● ● ●
29	TK01270	● ● ●
30	TK01271	● ● ●
31	TK01272	● ● ●
32	TK01273	● ● ●
33	TK01274	● ● ●
34	TK01275	● ● ●
35	TK01276	● ● ●
36	TK01277	● ● ●
37	TK01278	● ● ●
38	TK01279	● ● ●
39	TK01280	● ● ●
40	TK01281	● ● ●

# BORING

JETBROACH One-touch Type		
Depth	mm dia.	PN
12	TK01154	ARA-100A
13	TK01155	LO-3550
14	TK01156	WA-3500
15	TK01157	WA-5000
16	TK01158	WOJ-3200
17	TK01159	AO-5575A
17.5	TK01282	QA-6500
18	TK01283	Pilot Pin
19	TK01284	06050
19.5	TK01285	
20	TK01286	
20.5	TK01287	
21	TK01288	
21.5	TK01289	
22	TK01290	
22.5	TK01291	
23	TK01292	
23.5	TK01293	
24	TK01294	
24.5	TK01295	
25	TK01296	
25.5	TK01297	
26	TK01298	
26.5	TK01299	
27	TK01300	
28	TK01301	
29	TK01302	
30	TK01303	
31	TK01304	
32	TK01305	
33	TK01306	
34	TK01307	
35	TK01308	
36	TK01309	
37	TK01310	
38	TK01311	
39	TK01312	
40	TK01313	
41	TK01314	
42	TK01315	
43	TK01316	
44	TK01317	
45	TK01318	
46	TK01319	
47	TK01320	
48	TK01321	
49	TK01322	
50	TK01323	
51	TK01324	
52	TK01325	
53	TK01326	
54	TK01327	
55	TK01328	
56	TK01329	
57	TK01330	
58	TK01331	
59	TK01332	
60	TK01333	
61	TK01334	
62	TK01335	
63	TK01336	
64	TK01337	
65	TK01338	

JETBROACH One-touch Type		
Depth	mm dia.	PN
50	18	TK01068
50	22	TK00622
50	24	TK00623
50	24.5	TK00631
50	25	TK00624
50	26	TK00625
50	26.5	TK00632
50	28	TK00626
50	32	TK00627
50	35	TK00628
75	17.5	TK01350
75	18	TK01351
75	19	TK01352
75	20	TK01353
75	21	TK01354
75	22	TK01355
75	23	TK01356
75	24	TK01357
75	24.5	TK01358
75	25	TK01359
75	26	TK01360
75	26.5	TK01361
75	27	TK01362
75	28	TK01363
75	29	TK01364
75	30	TK01365
75	31	TK01366
75	32	TK01367
75	33	TK01368
75	34	TK01369
75	35	TK01370
75	36	TK01371
75	37	TK01372
75	38	TK01373
75	39	TK01374
75	40	TK01375
75	41	TK01376
75	42	TK01377
75	43	TK01378
75	44	TK01379
75	45	TK01380
75	46	TK01381
75	47	TK01382
75	48	TK01383
75	49	TK01384
75	50	TK01385
75	51	TK01386
75	52	TK01387
75	53	TK01388
75	54	TK01389
75	55	TK01390

JETBROACH Side-lock Type		
Depth	mm dia.	PN
50	50	TK01433
50	51	TK01434
50	52	TK01435
50	53	TK01436
50	54	TK01437
50	55	TK01438
50	56	TK01439
50	57	TK01440
50	58	TK01441
50	59	TK01442
50	60	TK01443
50	61	TK01444
50	62	TK01445
50	63	TK01446
50	64	TK01447
50	65	TK01448
50	66	TK01449
50	67	TK01450
50	68	TK01451
50	69	TK01452
50	70	TK01453
50	71	TK01454
50	72	TK01455
50	73	TK01456
50	74	TK01457
50	75	TK01458
50	76	TK01459
50	77	TK01460
50	78	TK01461
50	79	TK01462
50	80	TK01463
50	81	TK01464
50	82	TK01465
50	83	TK01466
50	84	TK01467
50	85	TK01468
50	86	TK01469
50	87	TK01470
50	88	TK01471
50	89	TK01472
50	90	TK01473
50	91	TK01474
50	92	TK01475
50	93	TK01476
50	94	TK01477
50	95	TK01478
50	96	TK01479
50	97	TK01480
50	98	TK01481
50	99	TK01482
50	100	TK01483

Pilot Pin		
06025	PN : TK01167	
08025	PN : TK01486	
06050	PN : TK01166	
08050	PN : TK01488	
08035	PN : TK01487	
08075	PN : TJ17436	
12075	PN : TA9A207	

Sales Unit: 1 Piece



## BROACH HOLDERS



### Specifications

Morse Taper No.	M.T.No.2		M.T.No.3						M.T.No.4	
Model	BHM-02035		BHM-03050						BHM-13075 BHM-14075	
PN	TB00390		TB00392						TB00352 TB00354	
Cutter	HBO-25L	JBO-35L	HBO-25L	HBO-50L	JBO-35L	JBO-50L	JBO-50L(W)	JBS-75L		
Cutter Diameter	12 - 17 dia.	17.5 - 35 dia.	17.5 - 40 dia.	12 - 17 dia.	17.5 - 52 dia.	12 - 18 dia.	19 - 52 dia.	17.5 - 40 dia.	17.5 - 65 dia.	18 - 35 dia.
Pilot Pin	06025	08025	08035	06025	08025	06050	08035	08050	08050	12075
	Optional		Optional						Optional	
	Included		Included						Included	

HBO: HI-BROACH One-touch Type

JBO: JETBROACH One-touch Type

JBS: JETBROACH Side-lock Type