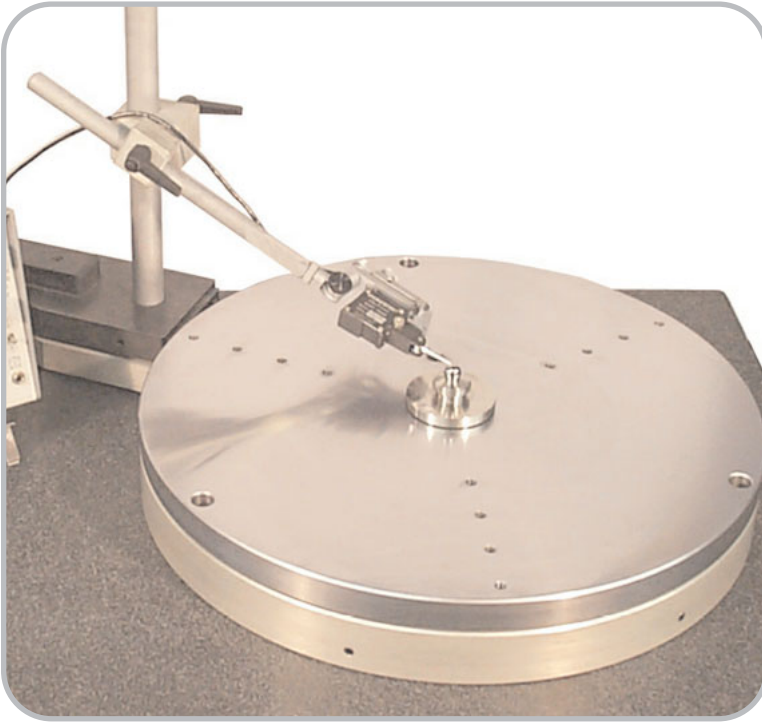


ABT - Series, Air/Ball Bearing Spin Tables

Precision, Low Profile Rotary Motion



ABTech, Inc. offers a full line of Precision Air/Ball Bearing Rotary Tables for applications requiring precise rotary motion in a low profile configuration. These tables are ideal for staging large diameter work pieces for T.I.R. inspection such as turbine engine component assembly and piece part inspection.

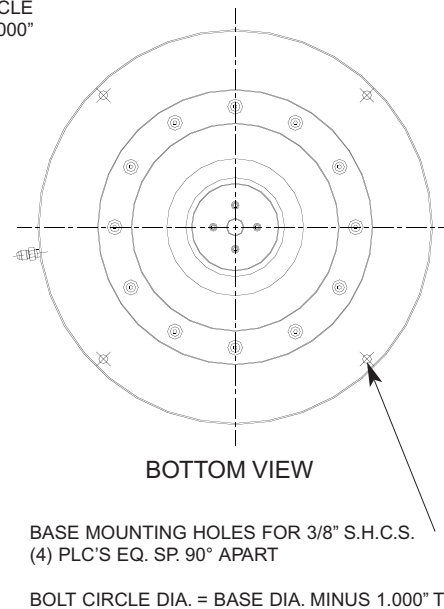
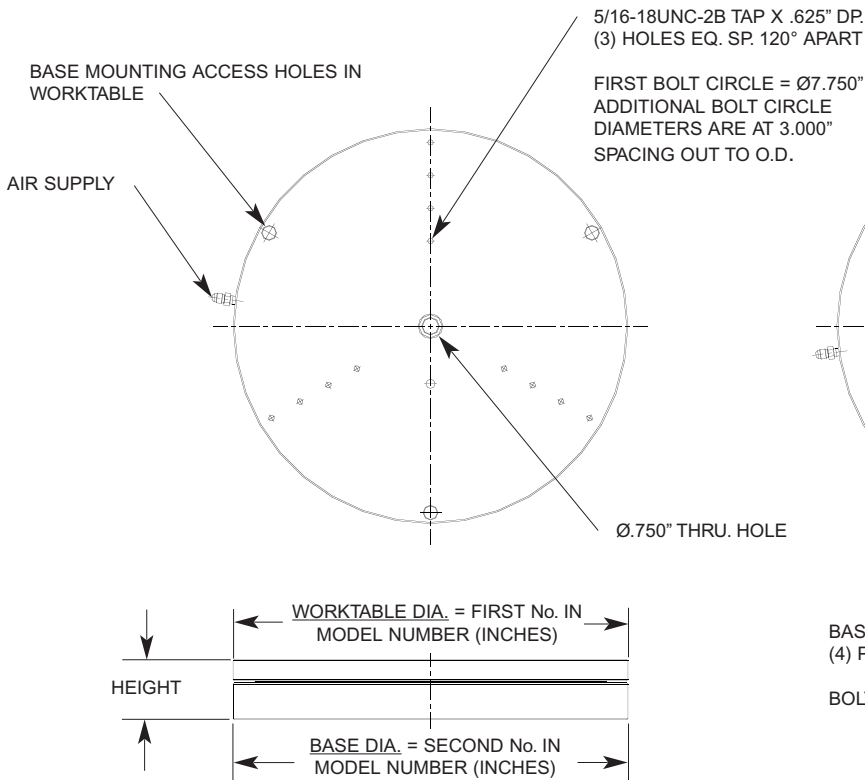
Motor drives are available for variable speed control or indexing. With ABTech's modular design approach our engineering staff can respond quickly to provide a solution to your O.E.M. requirements for precision rotary motion.

Features:

- *High load capacities, up to 9500lbs(4309kg)*
- *Table sizes from 14" Dia. to 72" Dia.*
- *Air bearing axial thrust*
- *Ball bearing radial axis*
- *Radial/axial accuracy: $\pm 20\mu"$ ($\pm 0.50\mu\text{m}$)*
- *Smoothness of motion, near frictionless*
- *Low profiles*
- *Operates on low air pressure*
- *Motor drives available*
- *Encoders available*
- *Custom tooling and fixturing*

Specifications

ABT - Series Air/Ball Tables



Accuracy

Radial: $\pm 20\mu$ " (1.00" above table)
 Axial: $\pm 20\mu$ " (at table center)
 Angular: 4μ "/In. or better
 Worktable Flatness:

Size	Circular / Radial Flatness	
14" dia.	0.0003"	0.001"
18" dia.	0.0003"	0.001"
24" dia.	0.0004"	0.001"
30" dia.	0.0006"	0.0015"
36" dia.	0.0008"	0.002"
48" dia.	0.0015"	0.0025"
60" dia.	0.002"	0.003"
72" dia.	0.0025"	0.003"

Accessories/Options

- Granite surface plates & supports
- Gage stands
- Electronic gage amplifiers
- Gage heads
- Motor drives & controls
- Air filter/regulator units
- 2 μ " round, master test ball
- Custom tooling

Model No.	Worktable Dia.	Base Dia.	Height	Load Capacity
ABT 14/14	14.00	14.00	2.75	800lbs
ABT 18/14	18.00	14.00	2.75	750lbs
ABT 18/18	18.00	18.00	2.75	1400lbs
ABT 24/18	24.00	18.00	3.00	1200lbs
ABT 24/24	24.00	24.00	3.00	2500lbs
ABT 30/24	30.00	24.00	3.25	2500lbs
ABT 36/24	36.00	24.00	3.25	2500lbs
ABT 30/30	30.00	30.00	3.25	4500lbs
ABT 36/30	36.00	30.00	3.50	4400lbs
ABT 42/30	42.00	30.00	3.50	4000lbs
ABT 48/30	48.00	30.00	4.00	3800lbs
ABT 36/36	36.00	36.00	4.00	5500lbs
ABT 42/36	42.00	36.00	4.00	5000lbs
ABT 48/36	48.00	36.00	4.00	4950lbs
ABT 60/36	60.00	36.00	4.00	4400lbs
ABT 48/48	48.00	48.00	4.50	9500lbs
ABT 60/48	60.00	48.00	4.50	9000lbs
ABT 72/48	72.00	48.00	4.50	8600lbs

Load capacities above are centered and balanced loads
 Load capacities are specified at 60psi air supply
 Table operating pressure range is from 30psi to 70psi
 Specifications are subject to change without notification

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ABTech inc.
 Pride In Precision

On line: www.abtechmfg.com