Rotary **INDEXING TABLE** Available in 7" to 15"



INCREASE PRODUCTION-COMBINE OPERATIONS-NO ELECTRIC MOTORS NEEDED

OVERVIEW

These rugged, low profile pneumatic indexing tables are the perfect fit for your next assembly or machining project. The "shot pin" locking mechanism assures a positive and accurate locking position, while the index cylinder delivers a smooth and controlled indexing motion. All these benefits without the use of electric motors or controllers.

ADVANTAGES

- Compact, Rugged and Simple Design •
- No Electric Motor or Controller Needed •
- Minimal Air Consumption •
- Accurate Index Positive Lock •

INDEXING TABLE SPECIFICATIONS

SPECIFICATIONS		MODEL	
Description	794	1092	1581
Dial Plate Diameter	7"	10"	15"
Maximum Load Capacity without LFLS Wear Bearing	100 lbs.	200 lbs.	300 lbs.
Maximum Load Capacity with LFLS Wear Bearing	200 lbs.	400 lbs.	600 lbs.
Maximum Unsupported Sub-Plate O.D.	14"	20"	30"
Standard Index Range	4 to 24	4 to 24	4 to 30
Spindle Thru Hole I.D.	1/2"	3/4"	3/4"
Accuracy (at table diameter)	±. 001	±. 001	±. 0015
Torque or Power Stroke	200 lbs., 2" radius	390 lbs., 2 1/2" radius	750 lbs., 5" radius
Maximum Side Pressure in Stop Position (Radial lbs. @ 500 R.P.M.)	795 lbs.	1,320 lbs.	1,680 lbs.
Thrust (@ 500 R.P.M.)	630 lbs.	1,140 lbs.	1,350 lbs.
Maximum Side Pressure in Stop Position	3,150 lbs.	5,480 lbs.	6,720 lbs.
Air Requirements			
Supply Pipe Size (minimum)	1/4" NPT	3/8" NPT	1/2" NPT
Minimum Air Pressure (Filtered and Lubricated)	80 PSI	80 PSI	80 PSI
Maximum Air Pressure (Filtered and Lubricated)	110 PSIG	110 PSIG	110 PSIG
Valve required	2 pos 4 way	2 pos 4 way	2 pos 4 way
Shipping Weight	56 lbs.	100 lbs.	200 lbs.



Rotary



INDEXING TABLE MODELS



MODEL 794

7" Diameter Top Load Capacity 100 lbs. (200 lbs. optional)

Accuracy ± .001" at Table Diameter

Up to 24 Indexing Stations Available

Perfect for those Applications where Ruggedness and Compact Size are Critical



MODEL 1092

10" Diameter Top Load Capacity 200 lbs. (400 lbs. optional) Accuracy ± .001" at Table Diameter Up to 24 Indexing Stations Available An Excellent Medium Duty Index Table for General Purpose Use



STANDARD FEATURES

- Load Capacity of up to 600 lbs.
- Tapered Roller Bearing Construction
- Positive Index, Positive "Shot Pin" Locking
- +/- .001/.0015" Accuracy at Table Top Diameter
- Two Electric Micro Switches To Sense Indexing & Locking Position
- Up to 30 Indexing Stations Available

MODEL 1581

15" Diameter Top Load Capacity 300 lbs. (600 lbs. optional)

Accuracy ± .0015" at Table Diameter

Up to 30 Indexing Stations Available

Very Generous Static Loading Bearing Surface

AVAILABLE OPTIONS

- LFLS Wear Bearing (Low Friction Load Surface) Reduces rotary friction load allowing significant increases in index table capacity
- Shock Absorber Mechanical device mounted on blind end of index cylinder to absorb high shock loads (Clockwise rotation only)
- Hydraulic EHP Hydraulic powered indexers for increased load capacity (Model 1581 only)
- Sub plates Aluminum or steel tooling plates, mounted or unmounted, with or without fixture mounting holes
- Power System (PS-E) which includes F-R-L, 120v Solenoid Operated 4/2 Directional Valve, Muffler and Air Tubing. Note: Solenoid valve available in 24vDC, please consult factory.
- Pneumatic, Oil-tite or Explosion-proof limit switches (micro switches are standard)
- · Counterclockwise Rotation available on all models

Rotary

INDEXING TABLE



INDEXING TABLE DIMENSIONS

Model 794

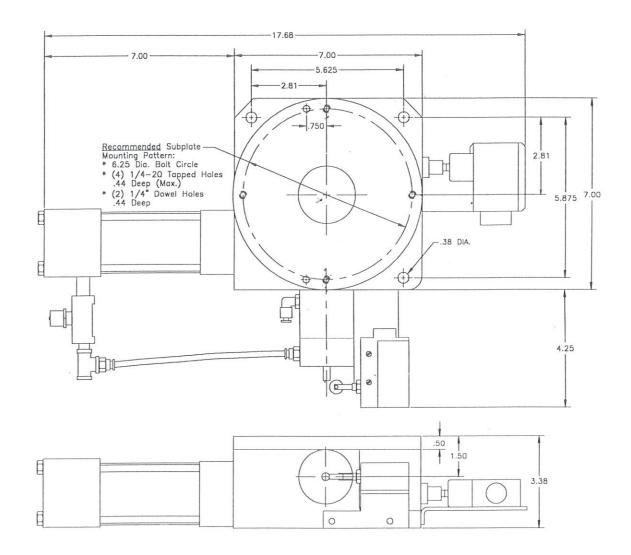


TABLE	Dia. of Top	NUMBER OF INDEXING POSITIONS																											
MODEL	Plate				4						6			1		8					13	2					2	4	
700	7" Dia.	Wt. Within Dia. Of Table Top	0	25	50 ,	75	100		0 2	5 5	75	100		0	25	50	75	100	0	25	50	75	100		0	25			100
		Indexes Per. Min.	60	50	40	30	20	7	5 65	5 5	5 45	35		90	80	70	60	50	100	90	80	70	60	1	25	115	110	100	90

And	All Figures Quoted Are At 100 P They Do Not Of Course, Include Any	
EXAMPLE:	1 Sec. For Turning	
	And	= 2 Sec. Cycle Time
30 Indexes Per. Min.	1 Sec. For Pickup	•

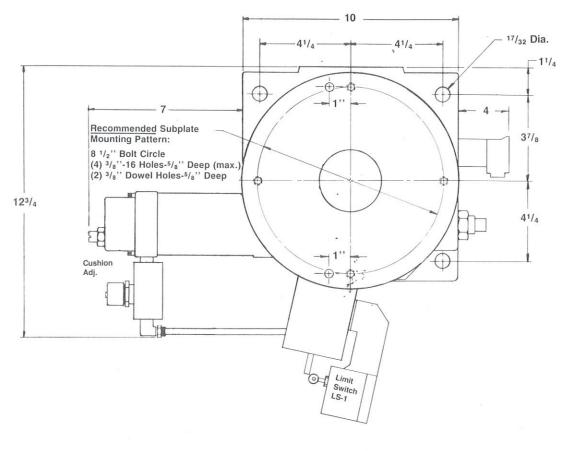
Rotary

INDEXING TABLE



INDEXING TABLE DIMENSIONS

Model 1092



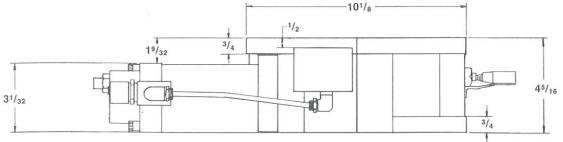
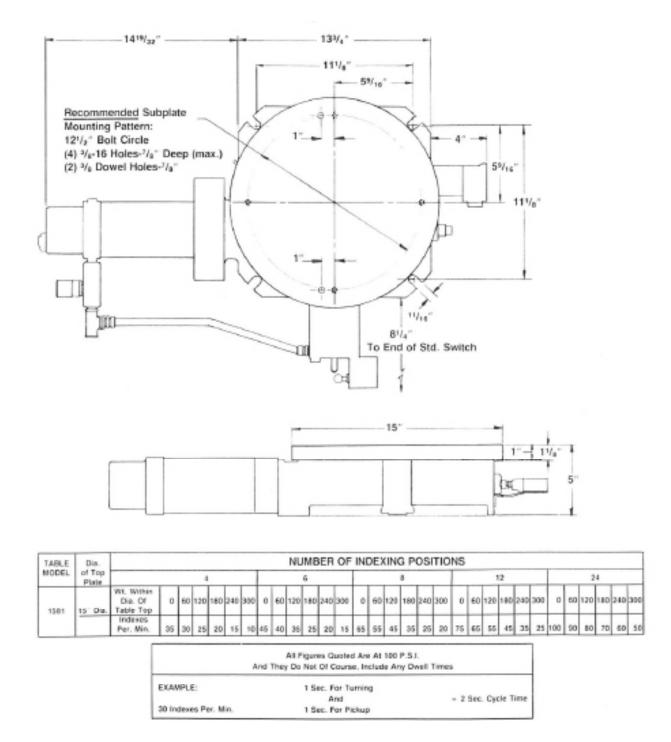


TABLE	Dia.										NU	JME	BEF	OF	IN	DE)	(INC	G P	OSI	TIO	NS											
MODEL	of Top Plate					4						6						8						12					2	4		
1092	10" Dia.	Wt. Within Dia. Of Table Top	0	40	80	120	160	200	0	40	80	120	160	200	0	40	80	120	160	200	0	40	80	120	160	200	0	40	80	120	160	200
		Indexes Per. Min.	55	45	35	25	15	5	65	55	45	35	25	15	80	70	60	50	40	30	100	90	80	70	60	50	120	110	90	80	70	60

	All Figures Quoted Are At 100 I	
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Model 1581



ISO 9001 REGISTERED (WITH DESIGN)

Air-Hydraulics is committed to delivering quality products on time to achieve customer satisfaction. Air Hydraulics uses a process approach to achieve this policy in accordance with ISO 9001 and is committed to continually improve at this process.

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