

Just fit the new, patented, single turbine **625DT Series** spindles to your Drill-Tap machine magazine for automatic tool changing and increase production.

*Air Turbine Spindles®* Air Supply Adaptor manifold block connects to the machine spindle housing, via the automatic tool change, to supply air at 90 psi (6.2 bar) to the powerful, direct drive turbine motor.

Increase milling and drilling feed rates resulting in higher productivity with no duty cycle for true 24/7 unattended production - 30,000, 40,000, or 50,000 rpm, up to 0.50 hp (0.37 kW).

**For automatic loading** from the Drill-Tap magazine, install the spindle mounted manifold block and align the nozzle to block connector, which supplies the spindle air to a clean, dry 90 psi (6.2 bar) air supply.

**For manual loading** installation of the spindle the side NPT adaptor simply connects to a 6.5mm ID.

**See Next Page for Part Numbers.**

**Dimensions**

625DT BT30	
<b>A</b>	1.01" (26mm)
<b>B</b>	2.24" (57mm)
<b>C</b>	6.43" (163mm)
<b>D</b>	8.39" (213mm)
<b>E</b>	Robodril: 3.16" (80mm) • Brother TC: 3.58" (91mm) Haas DT: 2.56" (65mm)

General Specifications	625DT
Speed RPM	30,000 / 40,000 / 50,000
Power Rating hp (kW)	0.40 (0.30) / 0.45 (0.34) / 0.50 (0.37)
Inlet Air Pressure	90 PSI (6,2 Bar)
Air Consumption Idle cfm (l/s)	10.5 (4.9) / 11 (5.2) / 11 (5.2)
Air Consumption Working Flow cfm (l/s)	11 (5.2) - 20 (9.4)
Sound Level	Less Than 78 dBA
Max Shank Capacity	ER11 - 1/4" (6mm)
Spindle + TMA Collar Weight	74.6 oz (2.11 kg)

Standard Equipment
Spindle, combo filter extractor (p/n #30008), collet, wrenches, hose and fittings, plug (for alternate air inlet not in use) and carrying case. ER 11 collet system (1/4" or 6mm collet standard - other sizes optional).  Oil free 90 psi / 6.2 bar, clean, dry air supply required.

**Tel: +1.561.994.0500 • Fax: +1.561.994.8097 • [www.airturbinetools.com](http://www.airturbinetools.com) • [info@airturbinetools.com](mailto:info@airturbinetools.com)**

Do not use couplings / hoses less than 1/4" / 6mm Internal Diameter (ID). Use couplings / hoses with a minimum ID of 6.5mm for 602, 602X and 625 spindles, a minimum ID of 8mm for 625X, 650, 660 spindles and (602, 602X, 625, 625X, 650 and 660 spindles with TMA) and a minimum ID of 10mm for 650X, 660X spindles and (650X and 660X spindles with TMA). Always use a 0.3 micron filter and/or extractor where required and check specified psi or l/s air flow. Use 90 psi / 6.2 Bar clean, dry, oil-free air only. Use eye protection and follow safety instructions. Supply is subject to Air Turbine Tools Inc. terms and conditions of sale and distributor policies in effect for the time being. Subject to availability, change of specifications, price and terms without notice. All specifications approximate. Air Turbine Spindles® is the registered trade name of Air Turbine Tools, Inc. © 2017 Air Turbine Tools, Inc. All rights reserved.

Drill-Tap - 625DT Series				
Governed Speed	30,000	40,000	50,000	65,000
Model	P/N	P/N	P/N	P/N
625DTBT30 RoboDrill 1/4"	65350	65352	65354	65356
625DTBT30 RoboDrill 6mm	65351	65353	65355	65357
625DTBT30 Brother TC 1/4"	65358	65360	65362	65364
625DTBT30 Brother TC 6mm	65359	65361	65363	65365
625DTBT30 Haas DT-1 ** 1/4"	64642	64644	64646	65304
625DTBT30 Haas DT-1 ** 6mm	64643	64645	64647	65305
Spindle Only				
625BT30 1/4"	64210	64212	64306	65138
625BT30 6mm	64211	64213	64307	65139

TMA (Block + Collar)	
625DT - RoboDrill	36302
625DT - Brother TC	36303
625DT - Haas DT-1 **	36305
Block Assembly Only	
625DT - RoboDrill	36314
625DT - Brother TC	36315
625DT - Haas DT-1 **	36316
Collar Assembly Only	
625DT - RoboDrill	36318
625DT - Brother TC	36320
625DT - Haas DT-1 **	36324

**\*\* Single Turbine 625 Version is used in the Haas DT and certain other machine types.  
Mounting Blocks for other CNC Machines available.**

**View Set Up Information and User Notes online at [www.airturbinetools.com](http://www.airturbinetools.com)**

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