

Just fit the new, patented, double turbine **625XDT 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 0.78 hp (0.58 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 8mm ID.

**See Next Page for Part Numbers.**

**Dimensions**

625XDT BT30	
<b>A</b>	0.87" (22mm)
<b>B</b>	2.24" (57mm)
<b>C</b>	6.81" (173mm)
<b>D</b>	8.74" (222mm)
<b>E</b>	Robodril: 2.56" (65mm) • Brother TC: 3.58" (91mm) Haas DT: 2.59" (66mm)

General Specifications	625XDT
Speed RPM	30,000 / 40,000 / 50,000
Power Rating hp (kW)	0.72 (0.54) / 0.74 (0.55) / 0.76 (0.57)
Inlet Air Pressure	90 PSI (6,2 Bar)
Air Consumption Idle cfm (l/s)	19 (8.97) / 20 (9.44) / 20 (9.44)
Air Consumption Working Flow cfm (l/s)	22 (10.38) - 30 (14.16)
Sound Level	Less Than 78 dBA
Max Shank Capacity	ER11 - 1/4" (6mm)
Spindle Weight	96 oz (2.72 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. © 2019 Air Turbine Tools, Inc. All rights reserved.

Drill-Tap - 625XDT Series			
Governed Speed	30,000	40,000	50,000
Model	P/N	P/N	P/N
625XDTBT30 RoboDrill 1/4"	64630	64632	64634
625XDTBT30 RoboDrill 6mm	64631	64633	64635
625XDTBT30 Brother TC 1/4"	64636	64638	64640
625XDTBT30 Brother TC 6mm	64637	64639	64641
625XDTBT30 Haas DT-1 ** 1/4"	64642	64644	64646
625XDTBT30 Haas DT-1 ** 6mm	64643	64645	64647
Spindle Only			
625XBT30 1/4"	64214	64216	64380
625XBT30 6mm	64215	64217	64381

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

**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. © 2019 Air Turbine Tools, Inc. All rights reserved.