

SNOW

Standard Single Spindle Vertical Drilling & Tapping Machines



Shown with optional fixture.

SNOW Machines Set the Standards of Performance...

Screw shops, die casting companies, stamping plants, fastener firms — SNOW machines meet a variety of small and large business needs for drilling, tapping and threading applications.

Built-In Principles That Pay

“Resistance Response” and “Controlled Torque Technique” are concepts and features of SNOW machines that provide a feedback of tool performance, and permit control of quality and productive operation.

Fully Flexible

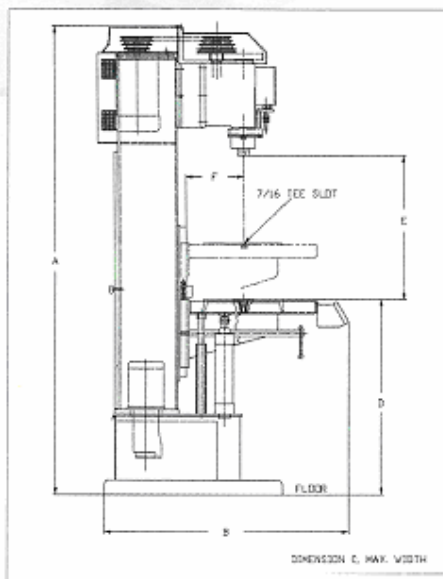
Rapid set-up and adaptation to a broad range of applications. Quickly convertible from drilling to tapping to threading, with interchangeable spindles, each designed for optimum performance. Controls permit plug-in fixture synchronization.

Clamp and Index Fixtures

These are basic SNOW automatic and semi-automatic fixtures for every application and volume range of production. Short-run job shop or long-run dedicated machines use the most efficient methods available. Minimizing handling and maximizing output has been the secret of success at SNOW for 60 years.

Investigate and Then Invest

Pay back on SNOW machines can be in weeks — not months or years.



ITEM	DR1 TA1 TA2	DR2 TA3 TA3RM	DR3 TA4 TA5RM
DIM, A, Overall Height	66	66	73-1/4
DIM, B, Overall Depth	34-1/4	34-1/4	38-1/2
DIM, C, Overall Width	30-1/2	30-1/2	30-1/2
DIM, D, Height of Table	30 Min 40 Max	30 Min 40 Max	30.62 Min 39.62 Max
DIM, E, Table to Spindle Nose	9-1/8 Min 19-1/8 Max	9-1/8 Min 19-1/8 Max	14 Min 22-1/2 Max
DIM, F, Spindle Throat	6.913	6.913	8.980

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SPECIFICATIONS

Drilling	DR-1	DR-2	DR-3
Capacity in Mild Steel	No. 60 thru 1/4"	1/8" thru 3/8"	3/16" thru 5/8"
Spindle Motor hp	1/2	1/2	1
Motor rpm	1725/3450 1150/1725	1725/3450	
Standard Spindle	950/1300/2425/3450	635/875/1625/2300	330/420/530/665
Speeds	1875/2600/4850/6750	950/1300/2425/3450	680/840/1060/1330
Spindle Nose Data	No. 1 Morse Taper	No. 2 Morse Taper	No. 2 Morse Taper
Drill Chuck	Albrecht Keyless Chuck	Albrecht Keyless Chuck	Albrecht Keyless Chuck

Tapping	TA-1	TA-2	TA-3	TA-3RM	TA-4	TA-5RM
Capacity in Mild Steel	No. 0 thru No. 10	No. 6 thru 5/16" NF	No. 10 thru 1/2" NF	1/4" thru 5/8"-11	1/4" thru 3/4" NF	3/8" thru 1-1/8" or 1-1/4"-12
Spindle Motor (HP)	1/2	1/2	3/4	1	2	
Motor (RPM)	1725	1140	860	1725/3450	1150	
Standard Spindle	1000	775	400	500	250/500	165
Speeds	1325 1700 2200	1050 1350 1750	525 675 850	650 850 1000	325/650	210 260 320
Spindle Nose Data	Standard Snow Collets Snow Collets Morse Taper		Standard No. 2 Collets	Standard	1-1/2"	
Collets	No. 0 to 6, 8, 10, 1/4"	No. 8, 10 1/4", 5/16"	No. 10, 1/4" 673-C 5/16" x 3/8" Chuck	5/16", 3/8"	678-T Tap Holder 1/2", 5/8"	
	1 Collet		3 Collets			

Threading	ET-3	ET-4
Capacity in Mild Steel	No. 0 thru 1/2" or 1/8" NPT	1/4" thru 1" or 3/8" NPT
Spindle Motor hp	1/2	1
Motor rpm	1150/1725	1725/3450
Standard Spindle	400/525/675/850	250/325/400/490
Speeds	675/800/1035/1250	500/650/800/980
Spindle Nose Data	1" Straight Bore Small Cylinder Head	1-1/2" Straight Bore Medium Cylinder Head
	SMALL FRAME	LARGE FRAME

Standard Equipment

- Adjustable Hydro-Check (drilling only)
- Safety Circuit
- Spindle Drive Motor and Coolant Pump
- Pressure Regulators and Gauges
- Air Table Lift
- Adjustable Table Stop
- Overload Protected Motor Switch
- Air Line Lubricator and Dirt and Moisture Trap
- 110 Volt Machine Light
- Switch, Cord and Plug for Fixture Control
- Anti-Tie Down Palm Button
- Electric Counter

Optional Equipment

- Auxiliary Clamping Circuit
- Deep Hole Drilling Attachment
- Single Shot Coolant Solenoid
- Bottom Dwell
- Chip Breaker
- Floating Holders
- Lead Screw Attachment
- Drill Press Tap Heads
- Multiple Spindle Heads
- Reversing Switch for Left or Right Hand Tapping
- Bottom Dwell

