

VERTICAL DRILLING MACHINES 2T140

Description

The machine is intended for:

- drilling;
- drilling out;
- counter boring;
- threading;
- making apertures for heads of bolts and screws;
- Cutting butt – ends.

The machining by the machine is carried out both with manual feed and mechanical feed of spindle. The threading by the machine is permitted both with manual way of spindle reversing and with automatic way.

The machine can be used with the highest efficiency in individual and small-serial productions, and with appropriate rigging – in large-serial and mass production.



TECHNICAL DATA

Max conventional drilling diameter in steel 45, mm	40	25
Max thread cutting diameter in steel 45	M24	M24
Spindle taper	Morse 4	Morse 3
Distance from spindle axis to column guides (overhang), mm	300	260
Spindle travel, mm	160	160
Max distance from spindle nose to table (min/max), mm	0-700	0-820
Max distance from spindle nose to plate, mm	1100	1100
Max travel of spindle head, mm	240	---
Max travel of table, mm	500	670
Working surface dimensions, mm		
table	500x500	400x500
plate	560x560	715x525
Column diameter, mm	145	120
Number of spindle operational speed steps	8	8
Range of spindle speed, min-1	75....1800	80....200
Number of spindle feeds	3	3
Feeding size, mm/rev	0,1; 0,2; 0,3;	0,1; 0,2; 0,3;
Main travel drive power, kW	2,2	1,5
Machine overall dimensions, (LxBxH), mm, not more than	950x560x2200	770x540x2140
Machine weight (net/gross), kg, not more than	575/760	450/580