TK 6916

Horizontal Drilling and Boring Machine

The horizontal drilling and boring machines from the TK69 series are the heaviest and with the greatest technological possibilities for processing of big and heavy prismatic parts. For this helps the concept with the moving column, providing greater length of processing in combination with spindle box with vertical movement in the crown, with a rotating spindle for boring and drilling operations in the milling spindle bearing.

The additional rectangular milling quill serves to attach the milling heads or faceplate. The CNC rotary table is with a transverse movement, larger and heavier parts can be tightened on the floor tiles, capable of precise leveling.

TECHNICAL SPECIFICATION

Make		TK6916	
Diameter of the drill spindle	mm	130	
Diameter of the milling spindle	mm	221,4	
Spindle holder		ISO 50	
Dimensions of the milling quill	mm	350 x 380	
Longitudinal stroke at "X" column	mm	10 000	
Vertical stroke in "Y" of the spindle box	mm	3 000	
Stroke of the spindle in "Z"	mm	800	
Stroke of the milling quill "W"	mm	600	
Dimensions of the rotary table	mm	2 500 x 3 000	V = 2 000
Common cross-stroke "Z" + "W"	mm	1 400	
Weight capacity of the rotary table	kg	30 000	
Spindle speed (two ranges)	rpm	3,15 - 800	
Transmissions by axis "Z" and "W"	mm/min	0,5 - 2 000	
Speed of longitudinal movement of the column "X" and vertical movement of the spindle box „Y"	mm/min	1 - 2 500	
Positioning accuracy (X/Y/Z/W)	mm	0.025/1 000	
Power of the main engine	kW	37	
Weight	kg	60 000	
Automatic replaceable store	pcs.	36	
CNC control		SIEMENS 840 DsI	

Axis "X" – Longitudinal movement of the column

Axis "Y" – Vertical movement of the spindle box

Axis "Z" – Moving horizontally in the milling spindle quill

Axis "W" – Horizontal displacement of the milling spindle quill in box

Axis "V" – Longitudinal displacement of the rotary table

Axis "B" – Rotation of the table