



STANDARDIZED NODES WORKING UNIT JICK 630 A

The work unit face turning "JICK 630 A" is a basic standardized node designed for the construction of single purpose machining equipment. The unit enables rough and finishing face turning, tapping and similar machining operations

Description of basic version

The unit consists of the following standardized nodes: slide unit JP 630 D, headstock VC 630 A, actuator box with belt drive SKI 630 A, device for face turning ZCI 630 A, single support face turning head HC 500 A. All nodes are fitted with Siemens regulating electric motors which enable shape turning. The headstock may be attached to the table of the slide unit either directly (in this case, the moving unit is not fitted with a front telescopic cover) or via a support board DP.

Work position

The standard version of the unit may only work in horizontal position.

Alternative version

- tool wear and break control (manufacturer Prometec)
- electrical motors by other manufacturers

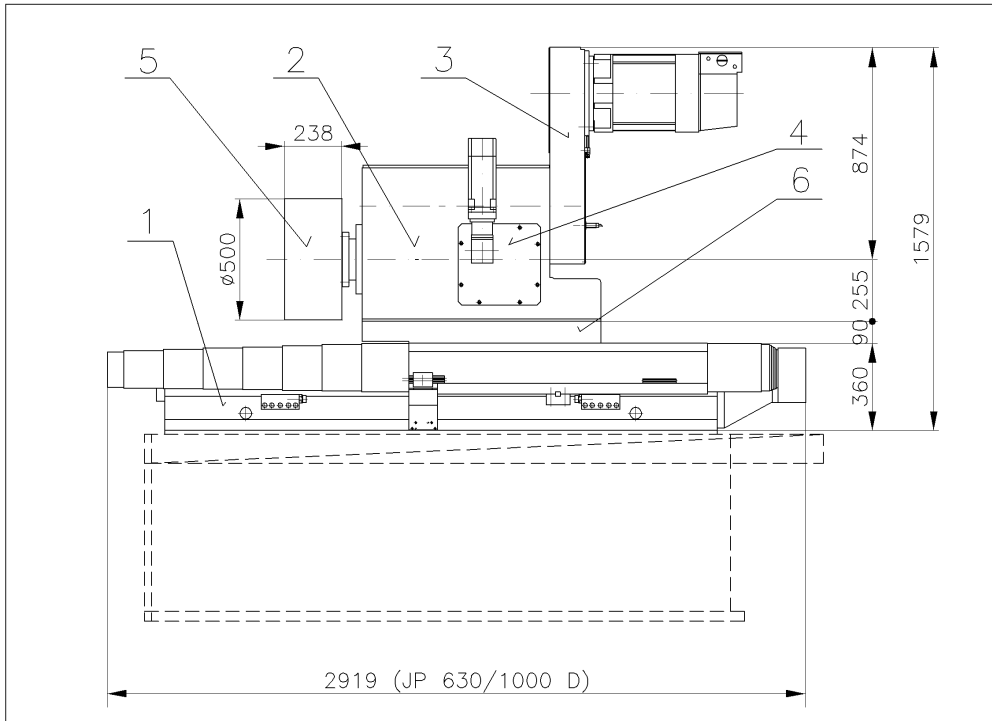
Technical parameters of the basic version

Travel of table of slide unit JP 630 D (Z axis) [mm]	1000 (alt. 630)
Maximum travel of unit JP 630 D [m.min ⁻¹]	15
Axis force of slide unit JP 630 D [kN]	20 (alt. more)
Max. speed of headstock spindle VC 630 A [min ⁻¹]	1000
Max. speed of face turning head HC 500 A by support movement from the center to perimeter [min ⁻¹] ¹⁾	800
Max. speed of face turning head HC 500 A by support movement from the head perimeter to center [min ⁻¹] ¹⁾	500
Gear ratio between motor and spindle	1:6
Max. spindle torque up to n=250 min ⁻¹ [Nm]	1416/2143 (S1/S6-40%)
Max. output of electrical motor [kW]	37/56 (S1/S6-40%)
Spindle diameter in front bearing [mm]	160
Travel of head support HC 500 A [mm]	160
Max. travel of head support HC 500 A [mm.min ⁻¹]	2.4 m.min ⁻¹
Axis force of head support HC 500 A during turning by support movement from center head to perimeter [kN]	10
Max. length of tool holder [mm]	350 mm
Weight of unit JICK 630 A without lifting board [kg]	Approx. 4000

1)...depends on size and weight of tool holder

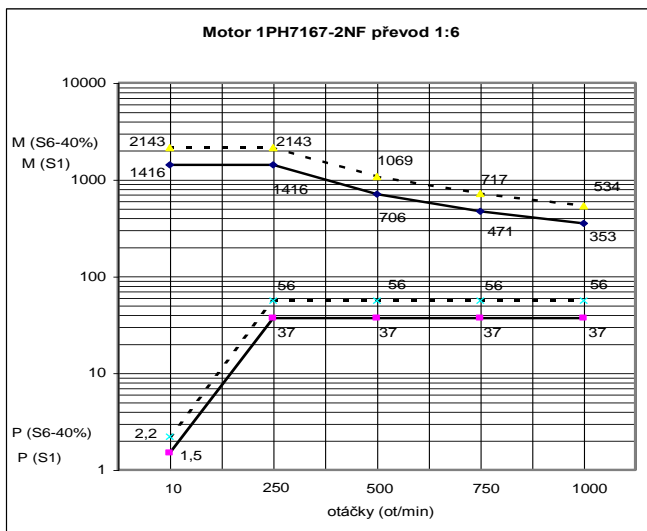
- *The detailed data is not binding with respect to ongoing development; the basic version can be adapted according to customer requirements.*

Dimension draft



- 1.....slide unit JP 630/1000 D
 2.....headstock VC 630 A
 3.....actuator box SKI 630 A
 4.....device for face turning ZCI 630 A
 5.....face turning head HC 500 A
 6.....support board DP

Output and torque parameters of spindle



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