

RN 381
HPP-25

Data sheet RN381-HPP

Bench Top Riveting Machine

Rivet shank Ø: up to 20 mm | Force: up to 40.00 kN | Stroke: up to 50 mm

BalTec

Key features | Content of delivery

Forming process: Radial

Standard Version

- Nominal force 40 kN @ 65 bar (max. operating pressure)
- Rivet shaft up to Ø 20 mm (Steel 370 N/mm²)
- Spindle stroke 5 - 50 mm with 0.01mm micrometer scale and mechanical stroke limit
- Machine weight: approx. 210 kg
- hydraulic pack weight (empty): approx. 54kg
- Electro-hydraulic drive - power supply @x@V, @Hz
- Permanently lubricated spindle
- Pressure cup & tool holder Rp=@ mm for forming tool length Ls=@ mm
- BFR-RN-381, Column, incl. height adjustment and table
- Color: light grey RAL 7035

Including

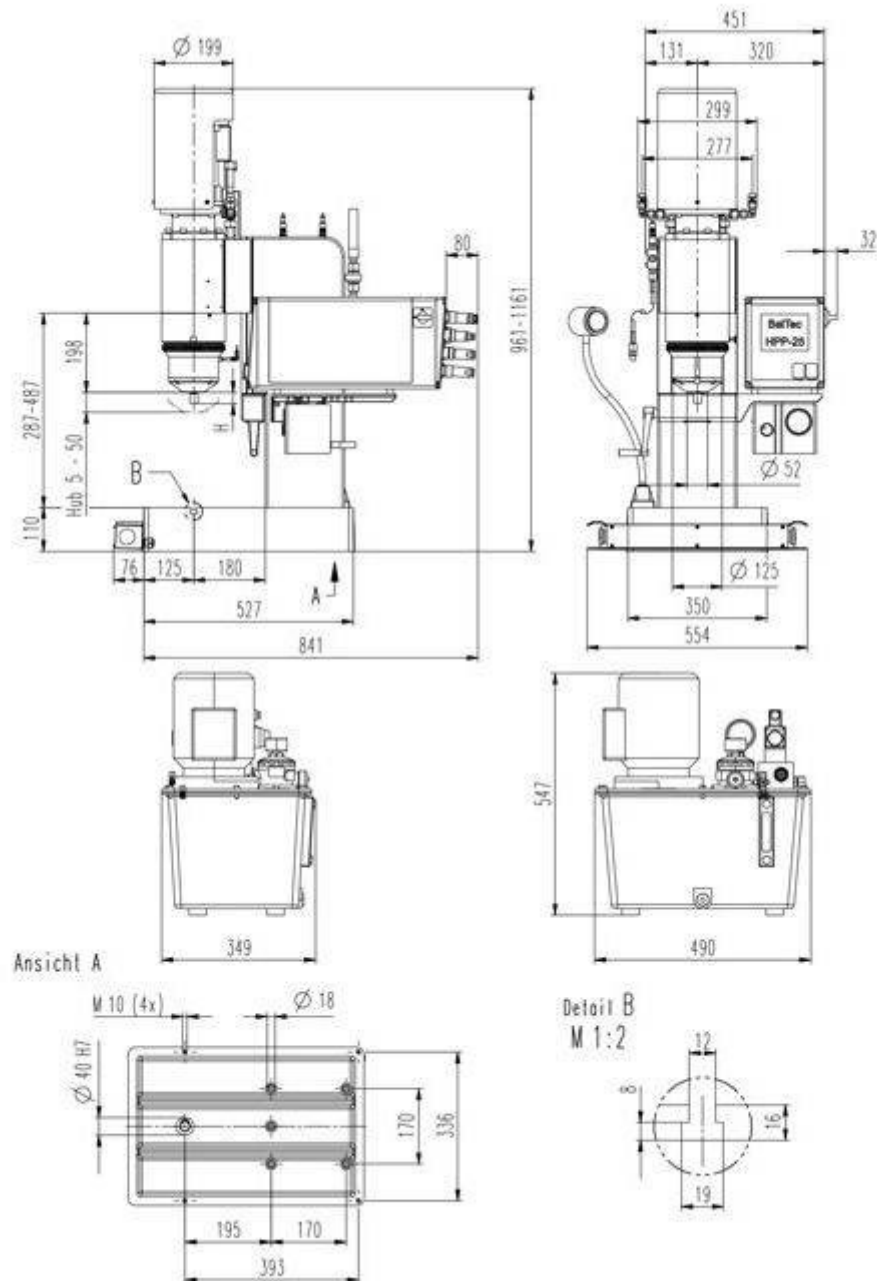
- HPP-010-381, Process Control HPP-25, connections X1, X2, X3, X20, X21, X22
- Incl. SEI-100-381, Distance sensor, Type HPP-25
- Incl. SEI-200-381, Pressure sensors, Type HPP-25
- HPP-X4-01, Connection X4, incl. two-hand relays, for two-hand control and emergency-stop
- NSL-2HD-010, two-hand control via push button (w/out E-stop)
- SEI-OTH-381, Sensor upper spindle position (TDC)
- PNH-010-381, Hydraulic power unit, with oil, pressure regulator mounted underneath control bracket; The measurements are additionally: (W x H x D in mm) 490 x 547 x 349 mm with a weight of 54 kg
- NZ-201, Adjustable task light, 24 VDC, LED
- Manual grease press
- Standard accessories and user manual in the language of destination

Options

- NSL-2HD-011, Emergency-Stop (push button) for two-hand control
- SEI-UTE-000, Sensor for spindle in work position
- HPP-X6-01, Connection X6, external safety / Reset
- NHE-MYC-U-02, Rivet base detection device NHE-U
- NHE-MST-xxx, NHE probe arm and probe (@)
- HPP-DLL-S7L-x, HPP-25 - Siemens S7 Communication link (S7LINK). License code to be ordered for each HPP control
- HPP-DLL-PCT, PC-Analysis Software HPP-PCTool, incl. UDP Protocol (on USB Stick)
- NZ-039, Automatic spindle lubrication system with lubricant level monitor

Subject to change.

Drawing



Forming tool lengths



Radius mm Rp	Tool length mm Ls	Free height mm H	Shank Ø mm Ds	Angle of inclination α
100.00	68.00	28.00	20	5° 37'
116.00	84.00	44.00	20	4° 47'
132.00	100.00	60.00	20	4° 10'
148.00	116.00	76.00	20	3° 41'
170.00	138.00	98.00	20	3° 10'
191.00	159.00	119.00	20	2° 49'
240.00	208.00	168.00	20	2° 13'

Forming tool profile



Our engineers are routinely meeting the demands of complex design problems. Having the specific tools needed for your metal forming project can mean the difference between success and failure. Contact us with your unique application for custom tooling.



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