

RNE 231

Data sheet RNE-010-231

Radial Riveting Unit

Rivet shank Ø: up to 8 mm | Force: up to 12.00 kN | Stroke: up to 40 mm

BalTec

Key features | Content of delivery

Forming process: Radial

Standard Version

- Nominal force 12 kN @ 6 bar (max. operating pressure)
- Rivet shaft up to Ø 8.5 mm (Steel 370 N/mm²)
- Spindle stroke 5-40 mm with 0.01 mm micrometer scale and mechanical stroke limit
- Machine weight: approx. 35 kg
- Electro-pneumatic drive – power supply @x@V, @Hz
- Permanently lubricated spindle
- Pressure cup & tool holder Rp = @ mm for forming tool length Ls = @ mm
- Color: light grey RAL 7035

Including

- Manual grease gun (not supplied if automatic lubrication is ordered)
- Standard accessories and user manual in the language of destination

Options

- SEI-OTH-231 Sensor upper spindle home position (TDC)
- NHE-MYC-E-01, Rivet base detection device NHE-E
- NHE-MST-xxx, RBD lever and touch sleeve (@)
- NZ-039, Automatic lubrication with reservoir grease level monitor

Subject to change.

Technical drawing of the 1000 series hydraulic cylinder, showing front, side, and end views with dimensions.

Front View (Left):

- Overall width: 187
- Overall height: 594
- Mounting bracket width: 152
- Mounting bracket height: 70
- Mounting bracket hole diameter: $\varnothing 12 \text{ H9}$
- Mounting bracket hole position: $\varnothing \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$
- Mounting bracket hole offset: 145
- Mounting bracket hole diameter: $\varnothing 18.5$
- Mounting bracket hole offset: 185
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- Mounting bracket hole diameter: $\varnothing 18.5$
- Mounting bracket hole offset: 185

Side View (Right):

- Overall width: $\varnothing 154$
- Overall height: 128 ± 0.2
- Mounting bracket height: 12
- Mounting bracket hole diameter: $\varnothing 12$
- Mounting bracket hole position: $\varnothing 128 \pm 0.2$
- Mounting bracket hole offset: 76 ± 0.2
- Mounting bracket hole diameter: $\varnothing 30$
- Mounting bracket hole offset: $\varnothing 75$
- Mounting bracket hole diameter: $\varnothing 103$

End View (Bottom):

- Overall width: 187
- Overall height: 150
- Mounting bracket width: 110
- Mounting bracket height: 100
- Mounting bracket hole diameter: $\varnothing 16 \text{ H7}$
- Mounting bracket hole position: $\varnothing 4 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
- Mounting bracket hole offset: 31
- Mounting bracket hole diameter: $\varnothing 110$
- Mounting bracket hole offset: 187

Forming tool lengths

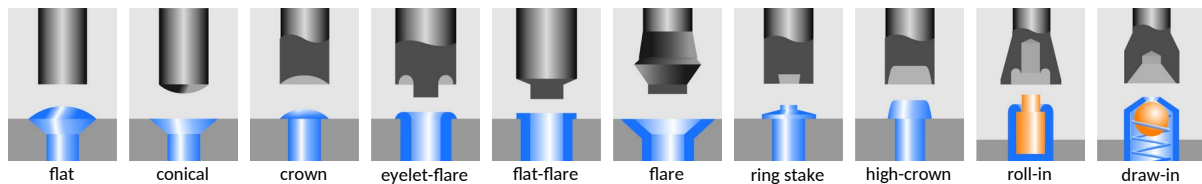


Radius mm Rp	Tool length mm Ls	Free height mm H	Shank Ø mm Ds	Angle of inclination α
65.00	39.00	18.00	10	6° 02'
80.00	54.00	33.00	10	4° 47'
100.00	74.00	53.00	10	3° 44'
120.00	94.00	73.00	10	3° 04'
132.00	106.00	85.00	10	2° 46'

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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