



Product photo not binding

Data sheet MRX 3

Multiple riveting head MRX 3

Radial | for RN/RNE 281, 281R, 331, 381

Introduction | Applications/Limitations

Multiple riveting head MRX 3 for RN/RNE 281/R, 331, 381

Forming process: Radial

Introduction

The multiple riveting head is applied where several rivets are to be formed within a certain area simultaneously. The multiple riveting head is therefore provided with 2 or more form tools. The multiple riveting head is fitted in place of the cap on the riveting unit. Pressure cup, form tool holder and pressure spring of the riveting unit are no longer necessary.

Applications/Limitations

Basically, different bearing and guide plates are used for the various rivet patterns.

It is possible to accommodate several rivet patterns in one and the same multiple riveting head so that, by changing the form tool, different parts can be riveted.

With the aid of the multiple riveting head (with certain limitations), riveting at different heights is possible.

The variations given above, however, require more precise clarification (forces, available space).

To provide such clarification, we require a sample for assessment or for riveting trials.

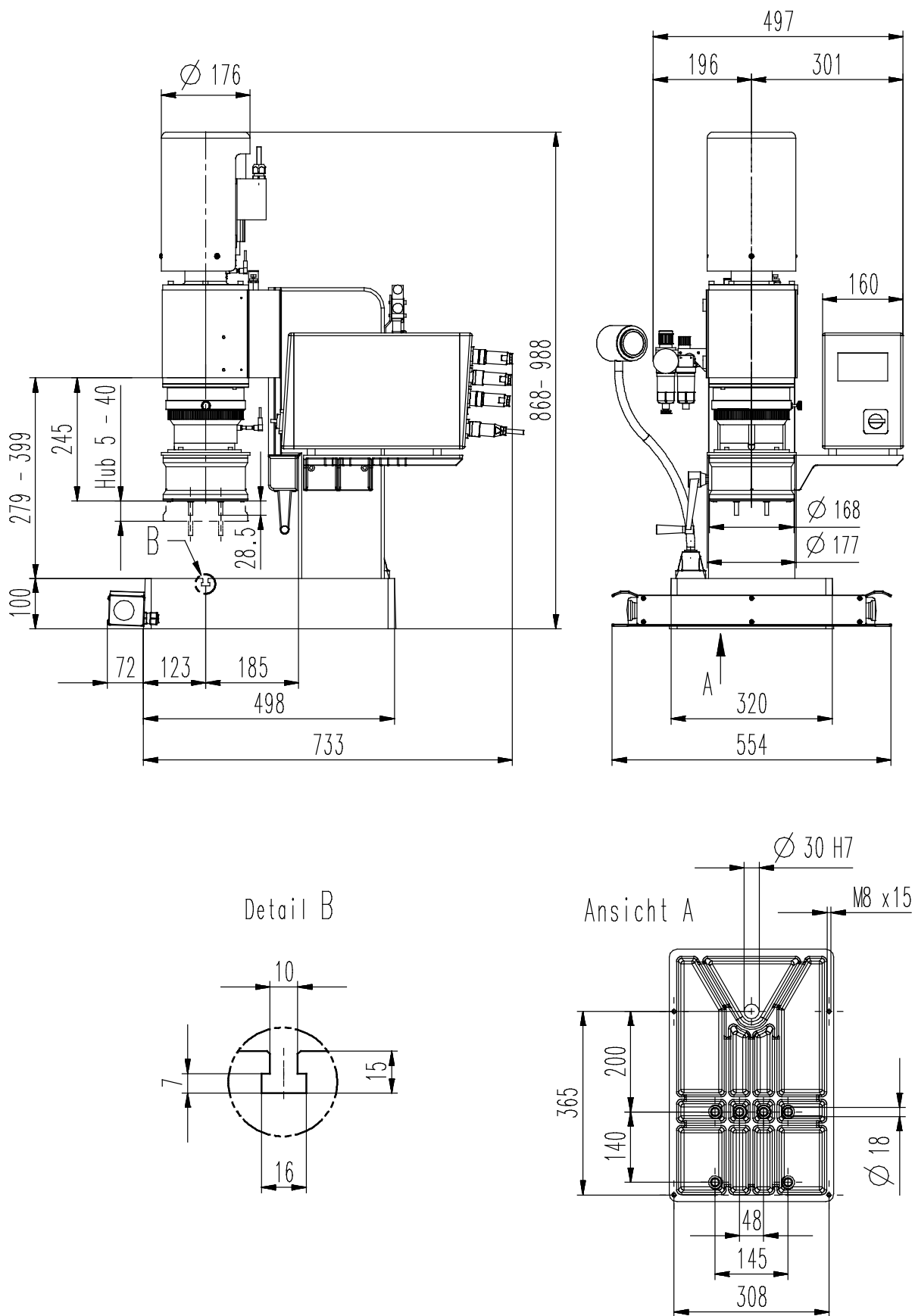
Utilization of the multiple riveting heads is subject to the following limitations:

- The riveting unit's available force is divided into the number of rivet positions
- Process monitoring is not useful and is not offered
- One sided load is to be avoided as these could result in a side load on the riveting head (see chapter "Riveting position area multiple riveting head")
- Forming a single rivet is to be avoided

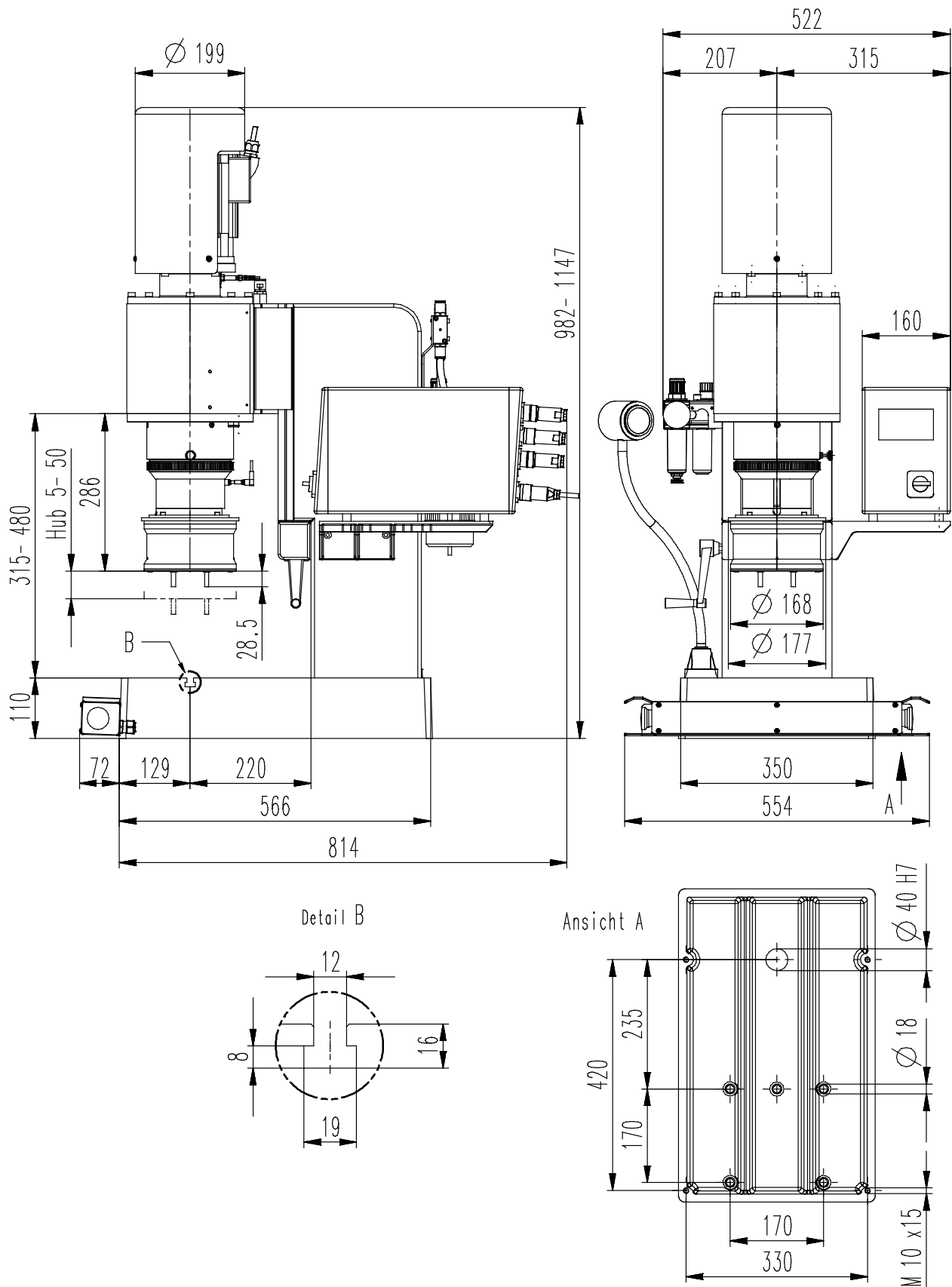
Technical data

- Max. riveting force per form tool: 8.5 kN
- Unlimited diameter: 16 mm
- Minimal and maximal distances
Minimum and maximum distances
Min. distance between 2 points: 120 mm
Max. distance between 2 points: 15.5 mm
- Form tool Ø: 8 mm, interchangeable
- Tool radius, length: Rp 59, Ls 43.
Others available on request.
- Angle: 5° 43'
- Free height: 27.5 mm
- Max. head diameter for form tool with flat or high crowned profile: 5 mm
- Exterior Ø housing: 168 mm
- Exterior Ø in operation
(with movement of housing): 174 mm
- Weight: 8.5 kg

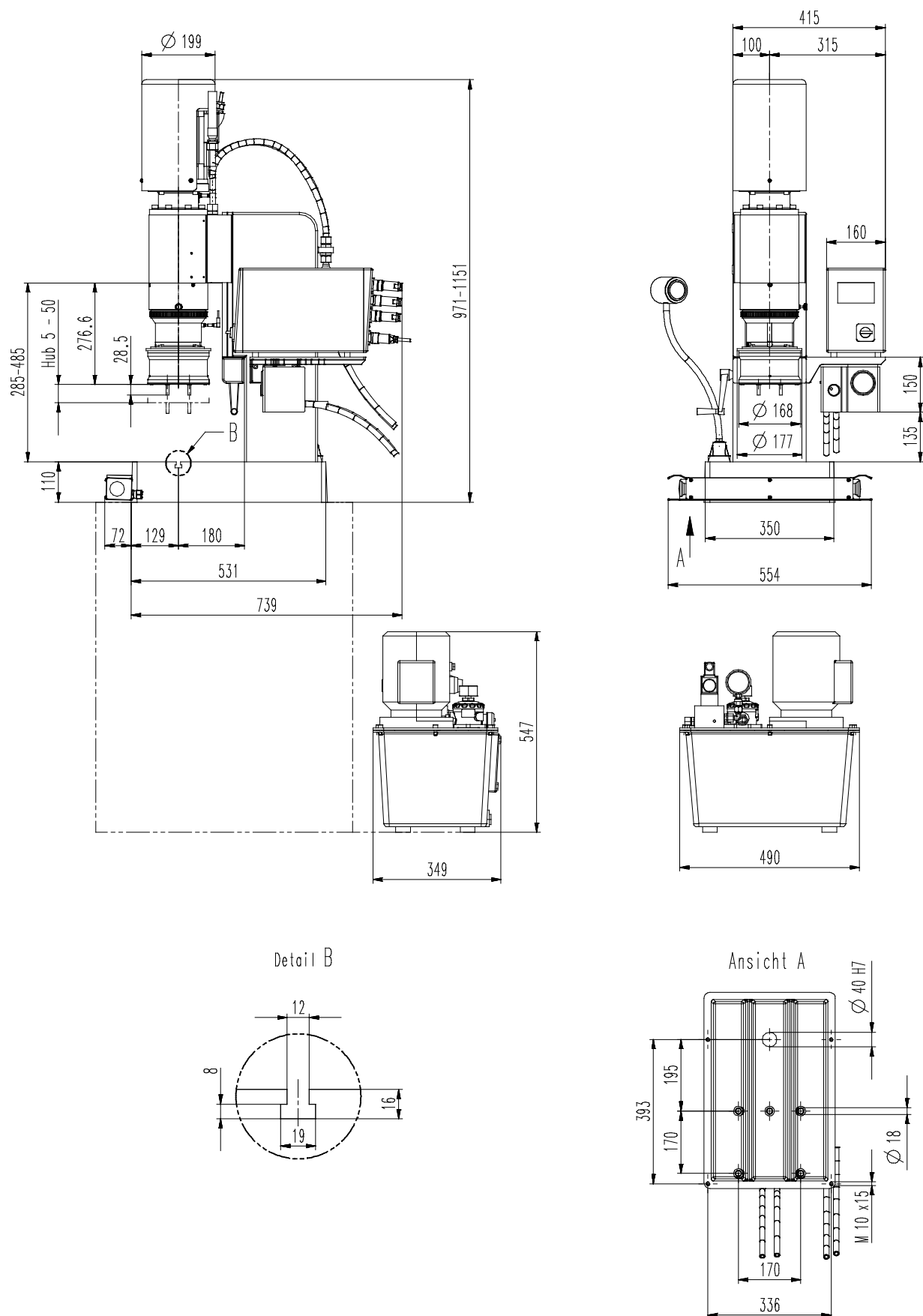
Drawing RN 281-MRX 3 – 838300.37



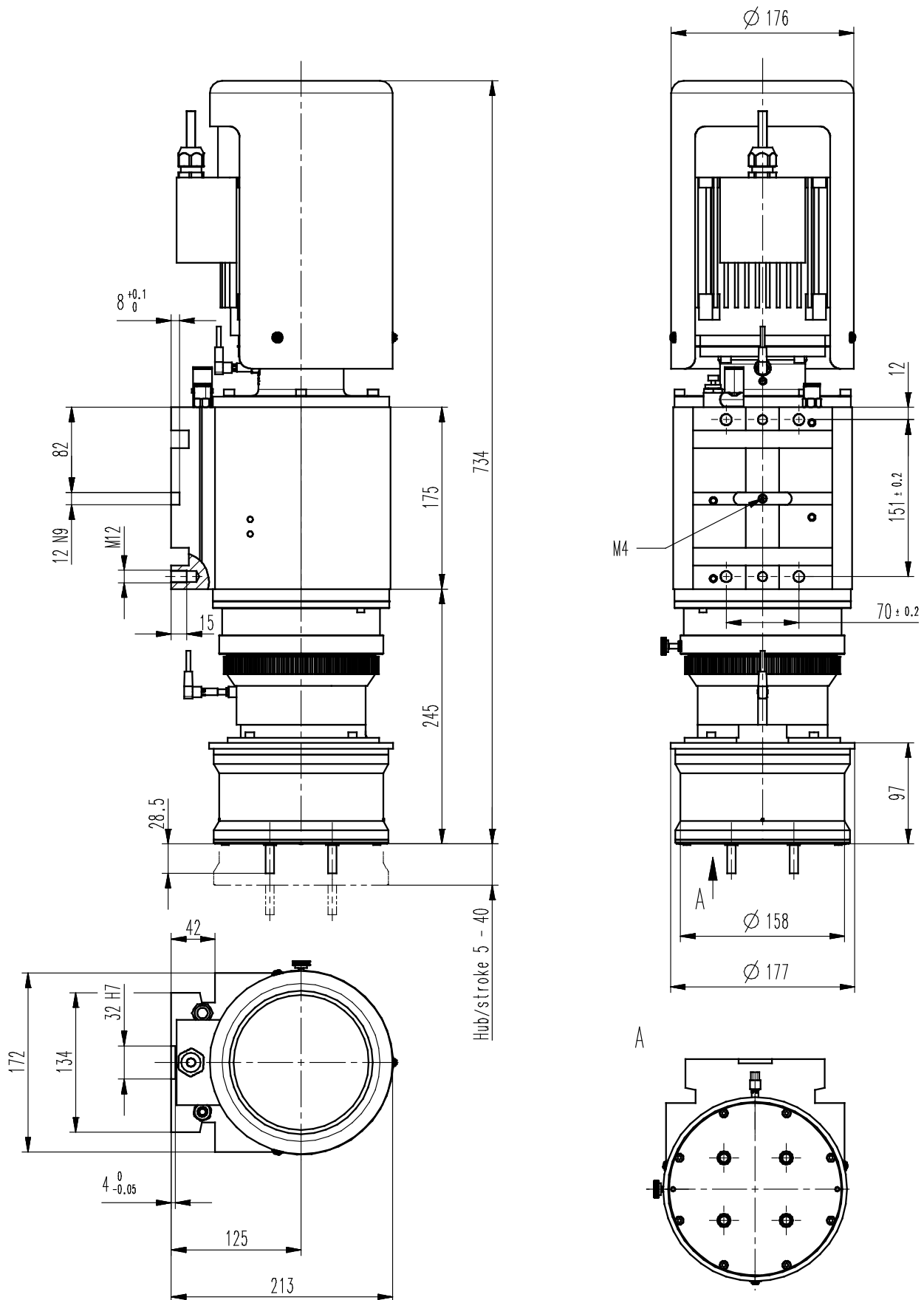
Drawing RN 331-MRX 3 – 853300.38



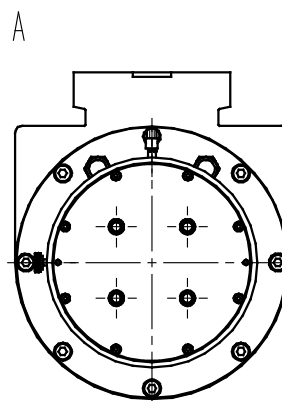
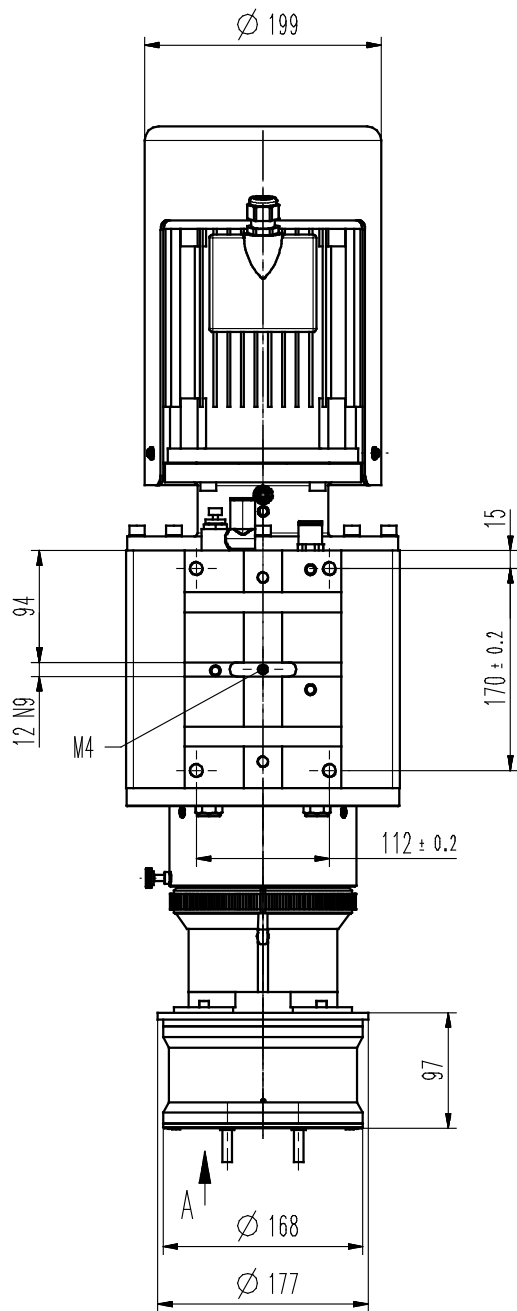
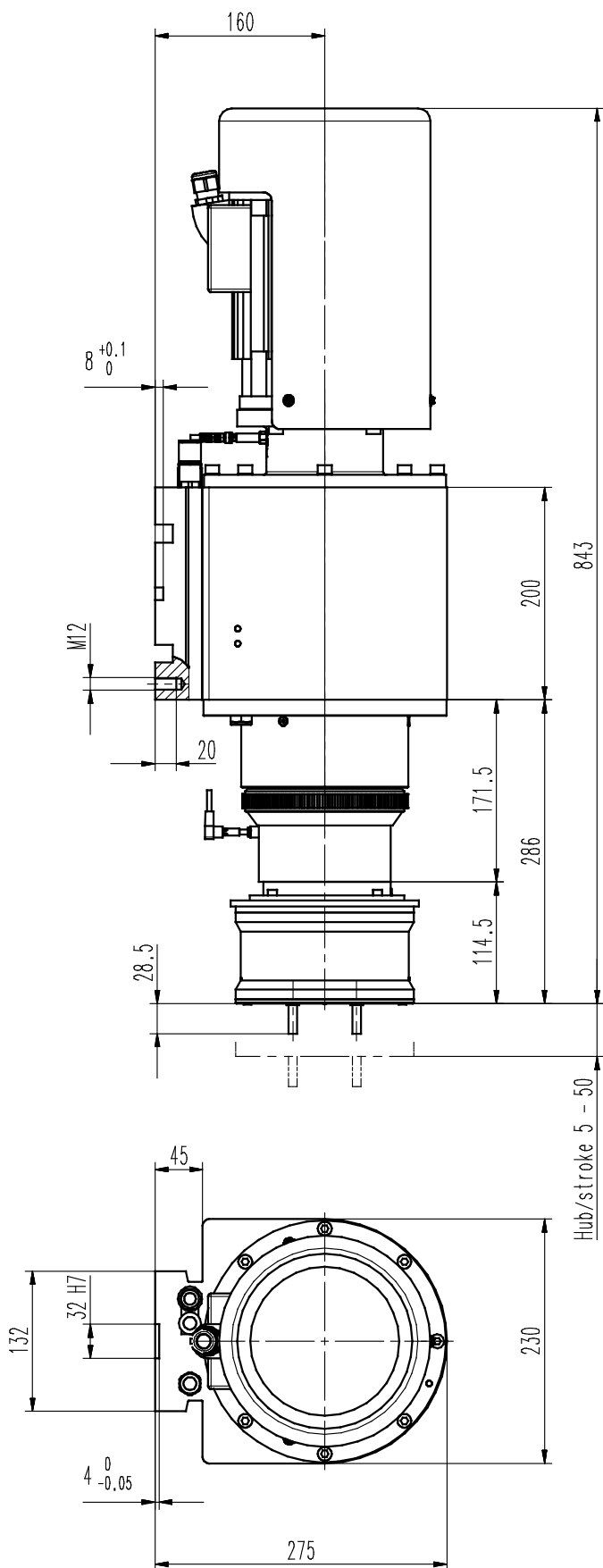
Drawing RN 381-MRX 3 – 852300.35



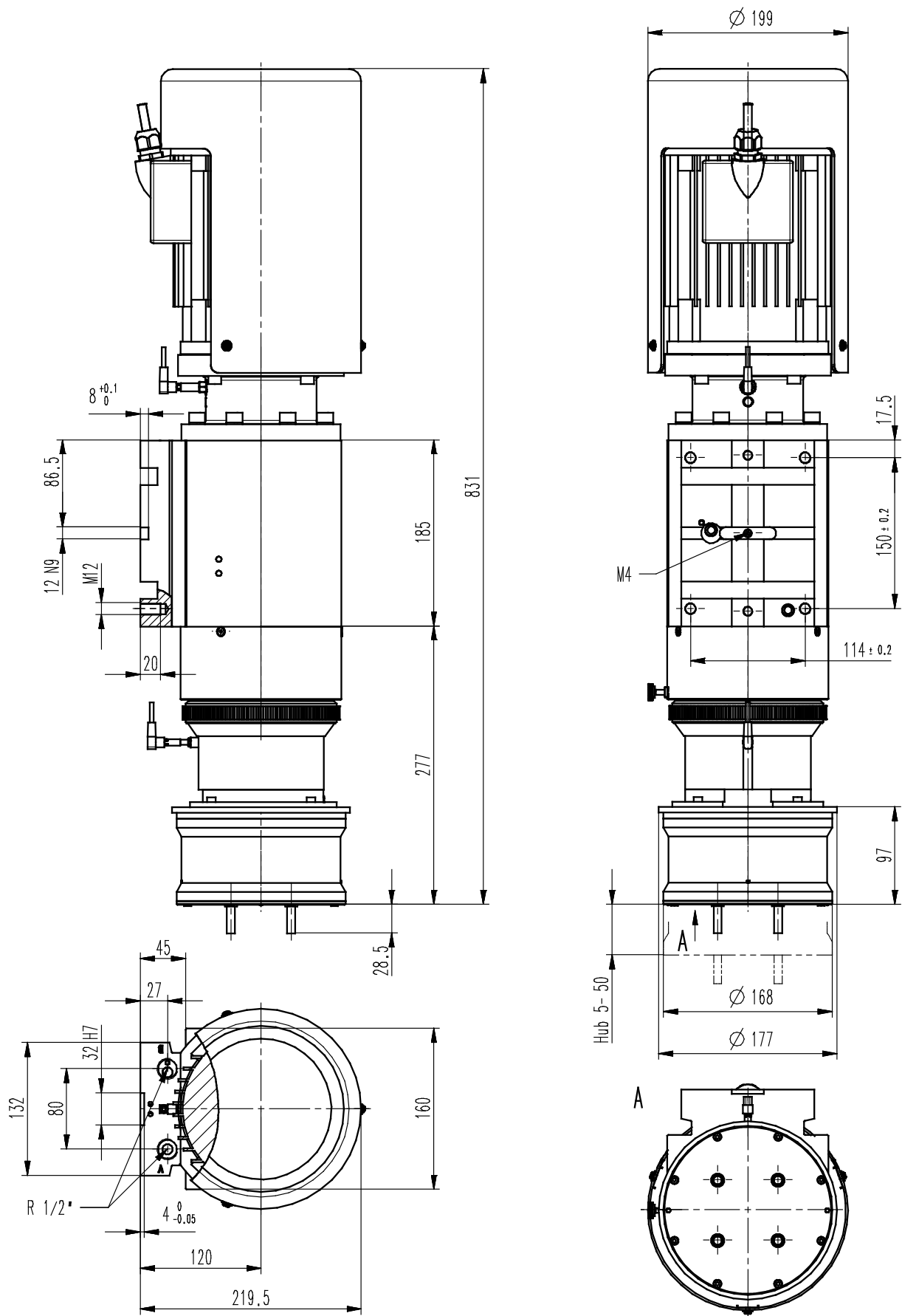
Drawing RNE 281-MRX 3 – 838400.32



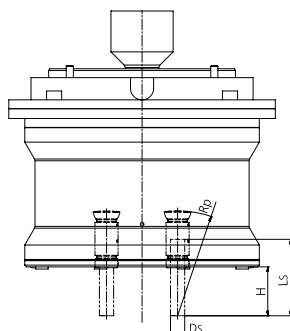
Drawing RNE 331-MRX 3 – 853400.32



Drawing RNE 381-MRX 3 – 852400.31



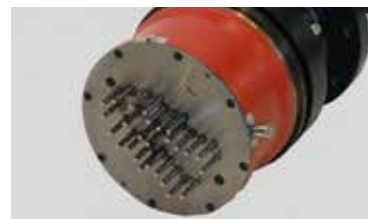
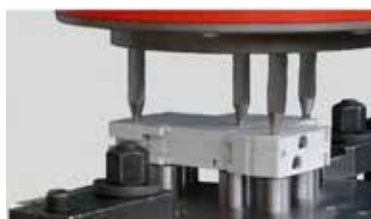
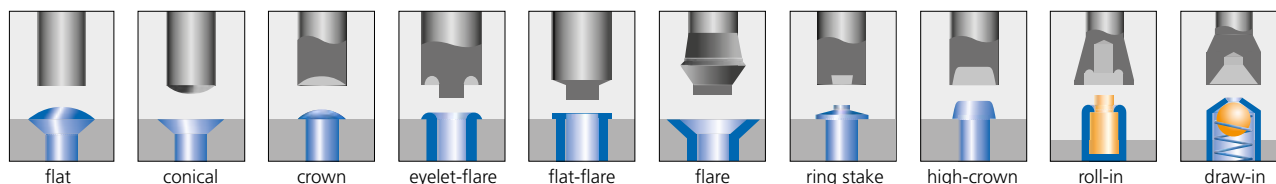
Forming tool dimensions



Radius mm Rp	Tool length mm Ls	Free height mm H	Shank Ø mm Ds	Angle of inclination α
59	43	27.5	8	5° 43'
78	62	36.5	8	4° 11'
88	72	41.5	8	3° 65'
106	76	50.5	8	3° 03'

Forming tool profile

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