

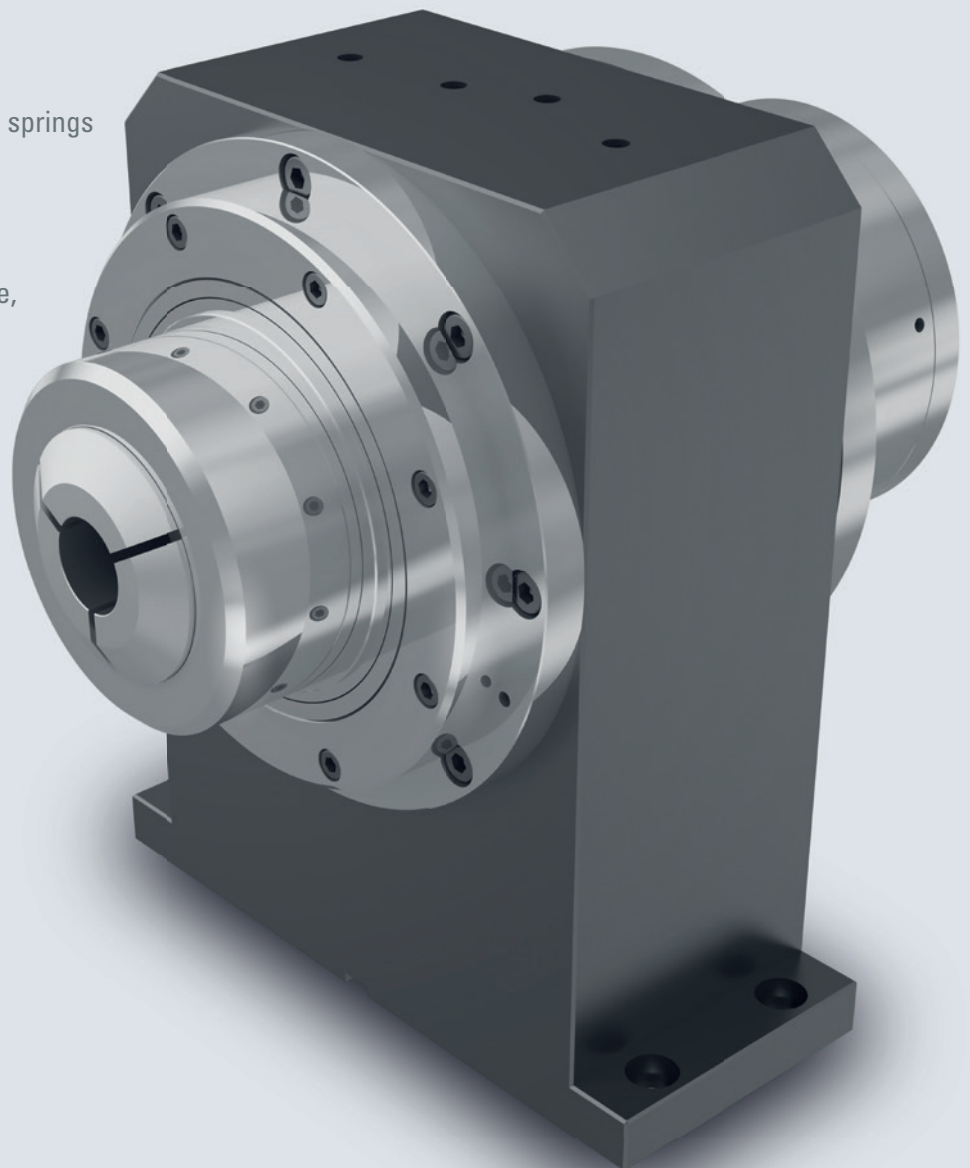
NANNDEVELOPMENT SPINDLE UNITS

- for draw-back collets
- for deadlength collets
- for expanding collets

- collet under pressure
- collet under tension
- fixed collet

- clamping via plate springs, pressure springs
- hydraulic clamping
- pneumatic clamping

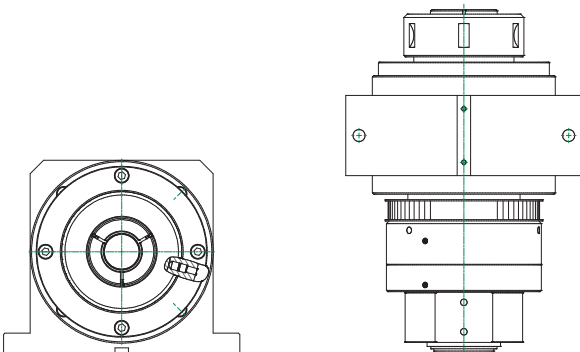
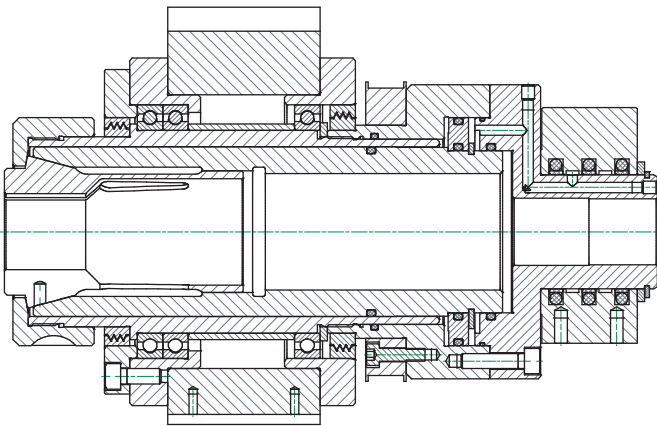
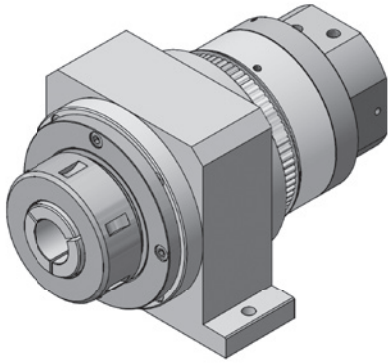
- speed range up to 8,000 rpm possible, depending on type
- clamping range from 0.5 to 60 mm
- usage of clamping chuck possible (jaw chuck, lamellae chuck etc.)



SPINDLE UNITS FOR DEADLENGTH COLLETS

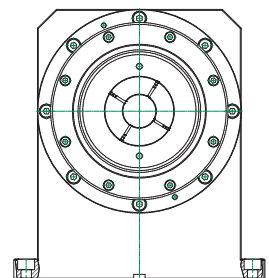
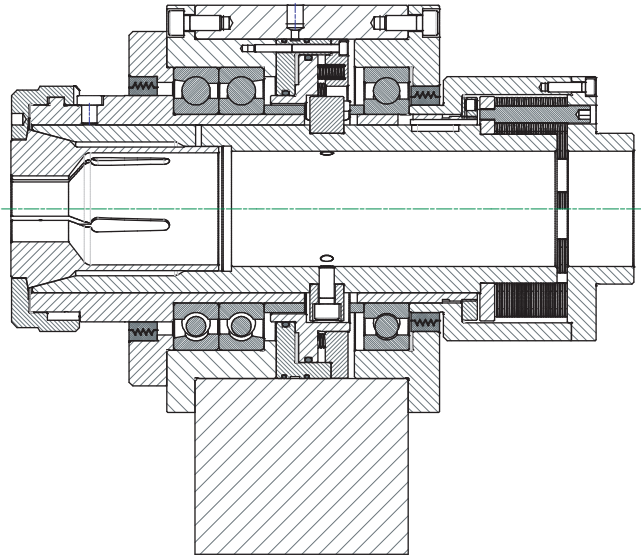
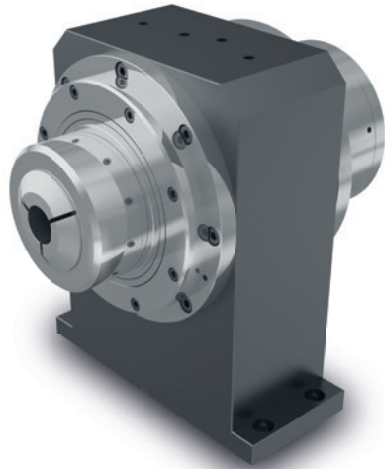
Facts and figures:

- for deadlength collets
- pneumatic clamping/unclamping
- various construction sizes
- any fixture
- clamping/unclamping only with spindle at standstill



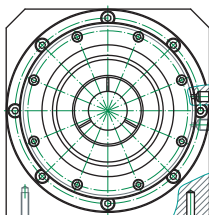
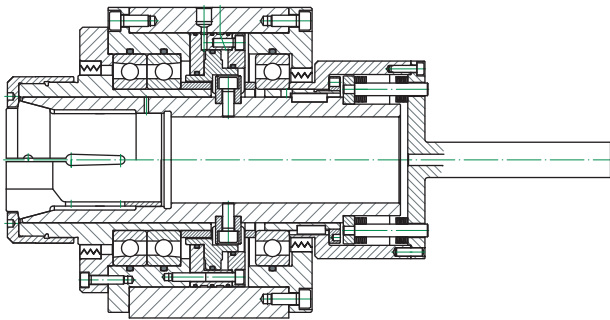
Facts and figures:

- for deadlength collets
- clamping via disc springs
- pneumatic/hydraulic unclamping
- collet change via bayonet cap
- clamping/unclamping only with spindle at standstill



Facts and figures:

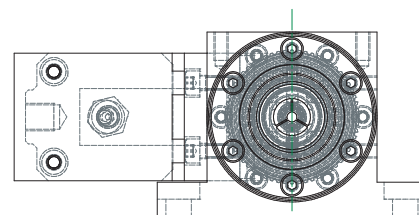
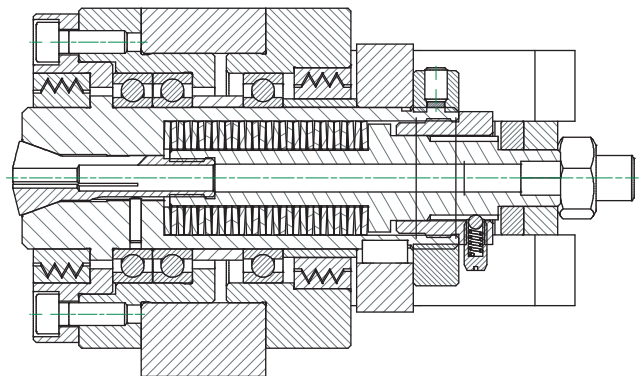
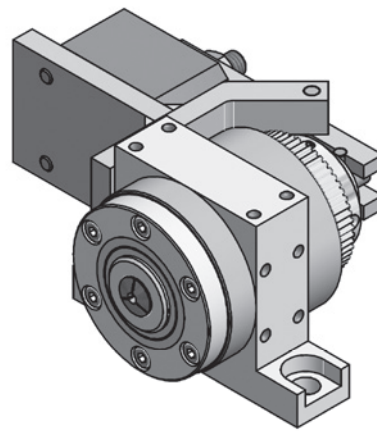
- for deadlength collets
- clamping via disc springs
- hydraulic unclamping
- clamping/unclamping only with spindle at standstill



SPINDLE UNITS FOR DRAW-BACK COLLETS

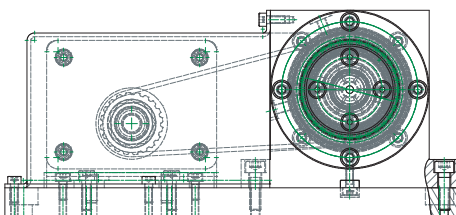
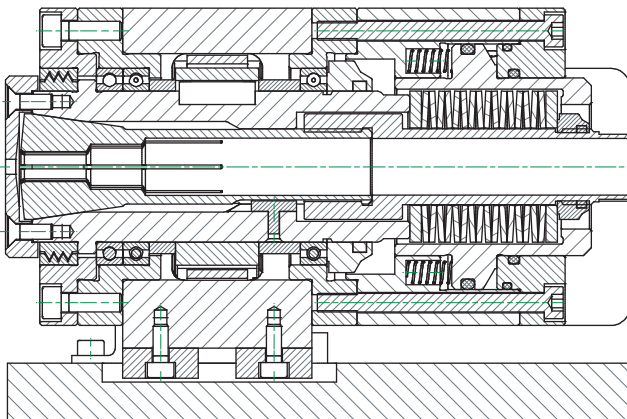
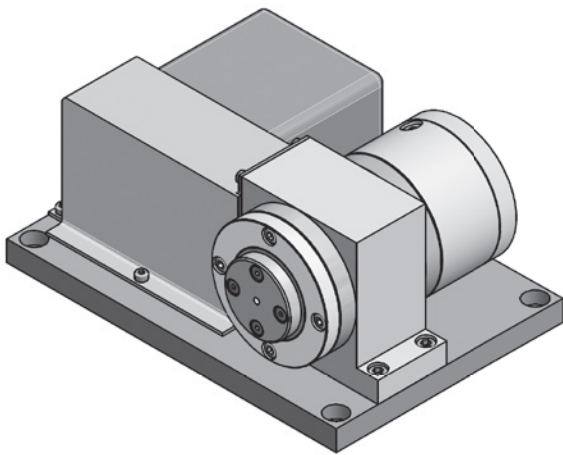
Facts and figures:

- for draw-back collets
- clamping via disc springs
- mechanical unclamping via lever or short stroke cylinder
- for small dimensions, clamping range up to $\varnothing 6.5$ mm
- clamping/unclamping only with spindle at standstill



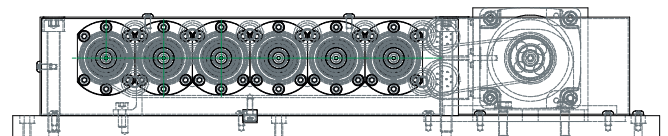
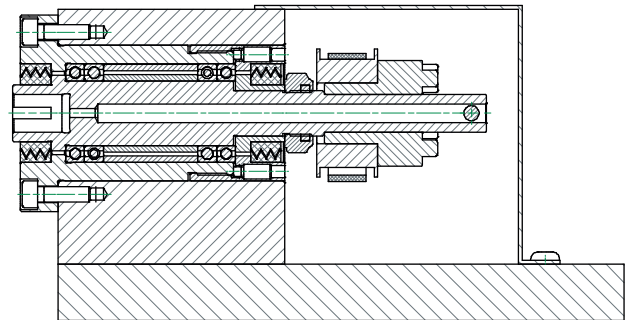
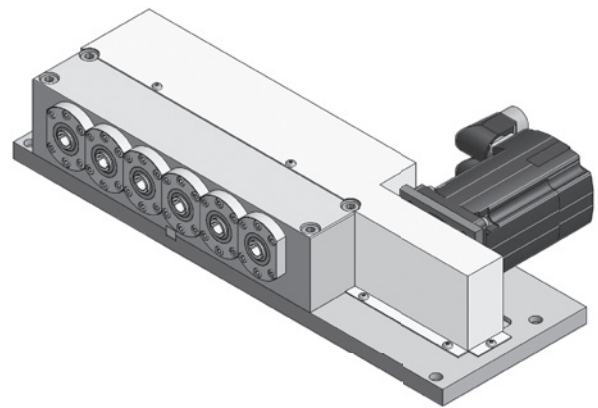
Facts and figures:

- for draw-back collets
- clamping via disc springs
- pneumatic/hydraulic unclamping
- small construction design
- clamping/unclamping only with spindle at standstill



Facts and figures:

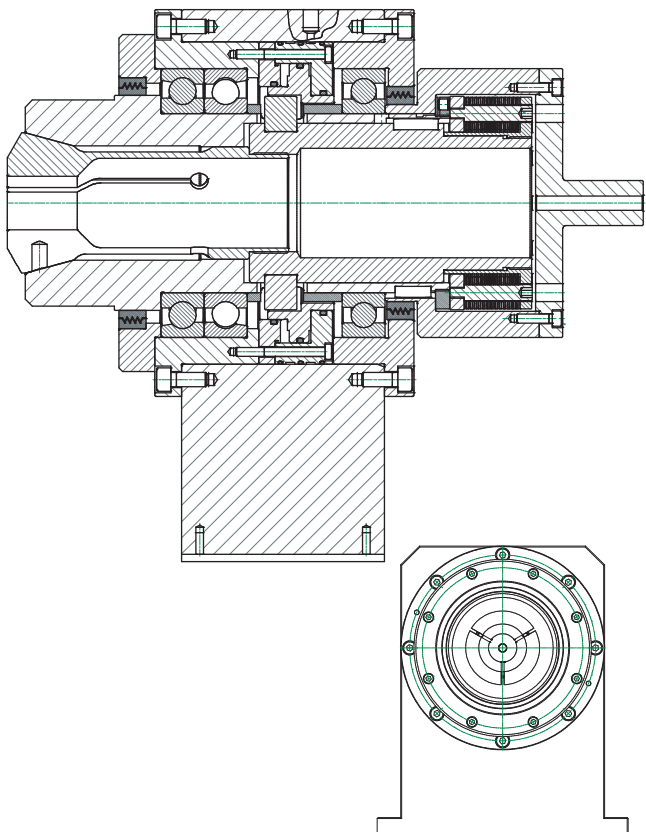
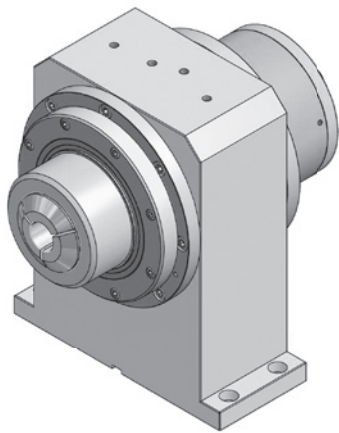
- several spindles arranged side by side
- speed range depending on application
- any drive possible



SPINDLE UNITS FOR DRAW-BACK COLLETS

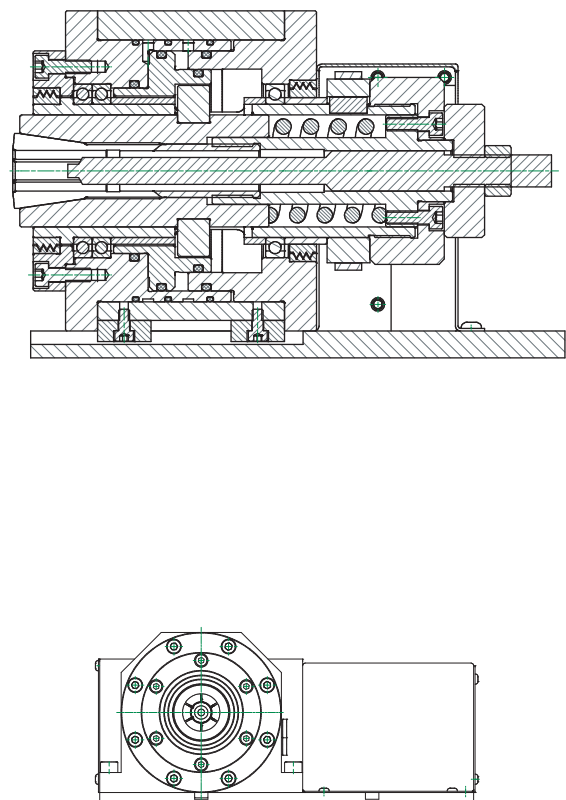
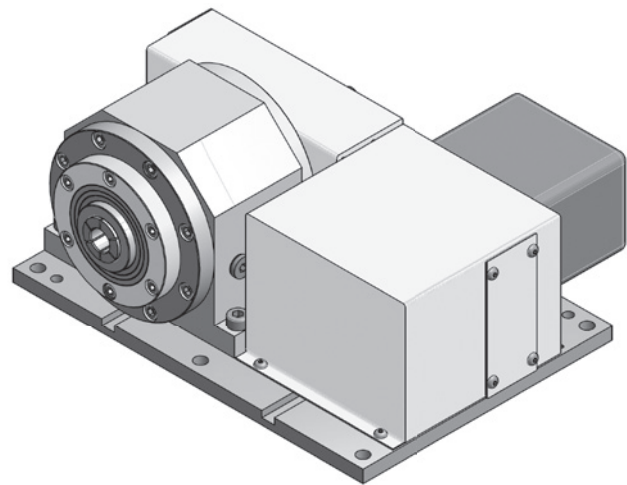
Facts and figures:

- for draw-back collets
- clamping via disc springs
- hydraulic/pneumatic unclamping
- clamping/unclamping only with spindle at standstill



Facts and figures:

- for draw-back collets
- clamping via pressure springs
- hydraulic/pneumatic unclamping
- clamping/unclamping only with spindle at standstill





tailormade clamping technology

PRECISION FOR THE HEART OF MACHINING: SPINDLE UNITS BY NANN



Nann manufactures spindle units in various sizes and designs for deadlength collets, draw-back collets and expanding collets. Clamping is realised via plate springs or pressure springs, respectively pneumatically or hydraulically. Unclamping is realised pneumatically or hydraulically. For specific purposes, we provide spindle units featuring a multi-spindle design. According to the application a motor with a protection cover can be included.

Besides standardised clamping devices Nann has great experience in the development and production of special clamping devices. Extensive warehousing and an elaborate sales system enable you to very quickly apply the clamping devices that fit your requirements. This is how you can integrate our clamping devices into your manufacturing process in an optimum way. You can trust in our experience.

At Simon Nann GmbH & Co. KG we keep a finger on the pulse of production and we do know about the requirements of high-value clamping technology. Comprehensive know-how and a high degree of in-house manufacturing ensure robustness, precision and an excellent price-performance ratio in industrial application. What is more, Nann has an in-house test centre for functional tests of new clamping devices. Nann has been providing innovation and quality in the field of clamping technology as an owner-operated company since 1937.

Today, more than 70 qualified staff members in the development, manufacturing and sales departments work for our customers' success with great experience and strong commitment. See for yourself the advantages of our company and our products in standard or special design.

You can find the standard clamping devices catalog and additional information on the various products and further services on our website: www.nann.de

Our skilled team with profound technical understanding and direct link to the development and production departments awaits you. Feel free to contact us for any questions on special requirements or special clamping devices at any time by phone on +49(0)7429 392-0, by email at info@nann.de or in a personal conversation.