



tailormade clamping technology

NANNDEVELOPMENT

# WORKHOLDING AND TOOL CLAMPING



For more than 85 years Simon Nann GmbH & Co. KG has successfully been developing and manufacturing clamping technology. Among the company's strengths are a high degree of in-house production, long-standing experience with machining tools, techniques and automation. The development and production of special clamping devices are further core competencies.

[www.nann.de](http://www.nann.de)

# STANDARD AND SPECIAL CLAMPING DEVICES FOR YOUR REQUIREMENTS



## WORKHOLDING

We cover the whole range of workholding by providing our own Nann developments and offering devices based on the experiences of our customers. With regard to clamping devices, there are different demands for each application. Besides standardised clamping collets and clamping collet chucks, Nann also has great expertise in constructing and manufacturing customised special solutions.

### **Workholding at a glance:**

- deadlength and multi-range collets
- feed fingers
- clamping sleeves and clamping sleeve holders for load-feeders
- pick-up and synchronous collets
- carbide guide bushes
- pressure sleeves
- clamping fingers
- feed fingers for multi-spindle lathes
- clamping heads
- pick-up collets
- draw-back collets
- emergency collets for removal
- collets for rotary transfer machine – Hydromat
- draw-back collets high precision
- lever-operated and power-operated collet chucks
- collet clamping units
- manual, hydraulic or pneumatic clamping units
- clamping mandrels and sleeves
- special collets based on standard types
- special collets for external/internal clamping
- special collet chucks for external/internal clamping
- multiple clamping tools



## TOOL CLAMPING

Clamping of various tools in manufacturing processes requires clamping devices offering flexibility and high repeat accuracy. Nann produces stainless collets for tool clamping, or collets made from various other special materials. If necessary, various kinds of coatings are available for the collets. Contact us and we will be glad to assist you if you are interested in tailormade tool clamping solutions in highest Nann quality with very short delivery times.

### Tool clamping at a glance:

- clamping collets
- collets for multi-spindle drill heads and hand grinders
- drill holders for rubber collets
- milling chucks
- drill chucks
- special collets
- direct clamping collets
- special collet chucks, workpiece fixtures

## SPINDLE UNITS

Nann is your expert partner when it comes to special equipment for individual applications. We can respond flexibly to your suggestions and experiences in the design of spindle units. This allows us to customize them for you individually, quickly, and flexibly.

### Spindle units at a glance:

- for draw-back collets
- for deadlength collets
- for expansion collets
- collet under pressure
- collet under tension
- fixed collet
- clamping via disc springs, compression springs
- hydraulic clamping
- pneumatic clamping
- speed up to 8000 rpm possible depending on design
- clamping range 0.5 to 60 mm
- use of a chuck possible (jaw chuck, lamellar chuck, etc.)



Don't hesitate to contact us and discuss your special requirements. We will be glad to assist you.

**Phone: +49 (0) 7429 3920**

## COLLET CHUCKS

More possibilities, more clamping force, universal application. Nann understands the requirements for high-quality clamping technology and always has its finger on the pulse of production. In modern manufacturing, repeatable chucks for different workpieces are indispensable. Each specific application places different demands on the chuck. There is no clamping device that can perfectly meet all requirements. But when it comes to precision, Nann makes no compromises.

### Collet chucks at a glance:

- standard or customised solutions
- for workholding or tool clamping
- for a wide range of applications, such as machining, joining, pressing or crimping, testing, laser marking, laser welding, etc.
- for processing machines or for automation
- with different types of actuation (hydraulic, pneumatic, spring-loaded, manual, etc.)
- stationary or rotating
- on pressure or tension
- for bar and chuck work
- for steel collets or chuck heads
- through chuck or with additional stop
- collet fixed or with axial movement
- mandrels for segmented collets
- mandrels for single or double taper collets
- multiple clamping devices
- alignable in the spindle
- with adjustable clamping force

# TAILORMADE CLAMPING TECHNOLOGY



Nann offers high-quality clamping devices for workholding and tool clamping, including customised special clamping devices. Our products are characterised by innovative development, high material quality and short delivery times.

We keep standard sizes in stock and deliver customised products quickly and reliably. You can also benefit from our reliable overnight service and 24-hour reworking. We can guarantee consistently high quality thanks to our high level of vertical integration and over 85 years of experience.

## SPECIAL CLAMPING DEVICES ARE OUR SPECIALITY

The development and manufacture of special clamping devices is one of our core competences. From simple special collets to complex devices, we offer you a wide range of solutions. We coordinate closely with our customers to ensure that you receive the perfect clamping devices. Our in-house test centre also enables us to carry out functional tests on new products.

## NANN IS YOUR PARTNER FOR CLAMPING TECHNOLOGY

In Böttingen, Germany, you have a competent team at your disposal that is directly linked to development and production. Your enquiry is in the best hands with us.



tailormade clamping technology



Don't hesitate to contact us and discuss your special requirements. We will be glad to assist you.  
**Phone: +49 (0) 7429 3920**

## NANN SERVICES FOR ALL ASPECTS OF WORKHOLDING AND TOOL CLAMPING

With experienced and technically skilled employees, Nann is your partner for a wide range of services in the field of workholding and tool clamping.

### Our services:

- **Maintenance:** repair and general overhaul of clamping chucks
- **Grinding:** grinding of collets and pressure sleeves to intermediate dimensions within one day
- **Eroding:** fast eroding of profiles
- **Siliconizing:** covering of collets with silicone to prevent contamination within 2-3 days
- **Coatings:** advice on and implementation of coatings
- **Plastic coating:** prevents scratches, limited suitability for small bores

- **Carbide coating:** wear-resistant and rough, can be recoated several times
- **DNC coating:** high wear resistance and smooth surface
- **TIN coating:** high wear resistance and smooth surface

We will be glad to talk to you about other coating options on request.

