



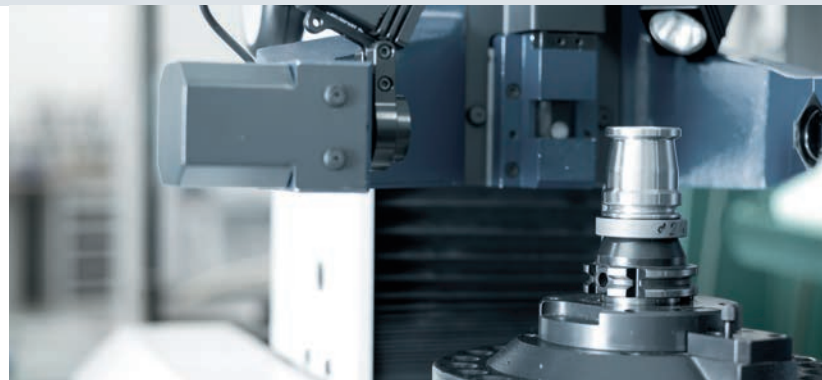
tailormade clamping technology

NANN DEVELOPMENT WORKPIECE AND TOOL CLAMPING

For more than 80 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

STANDARD AND SPECIAL CLAMPING DEVICES FOR YOUR REQUIREMENTS



WORKPIECE CLAMPING

We cover the whole range of workpiece clamping 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 according to the manufacturing requirements of our customers.

Workpiece clamping 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



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

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

INDEXING UNITS

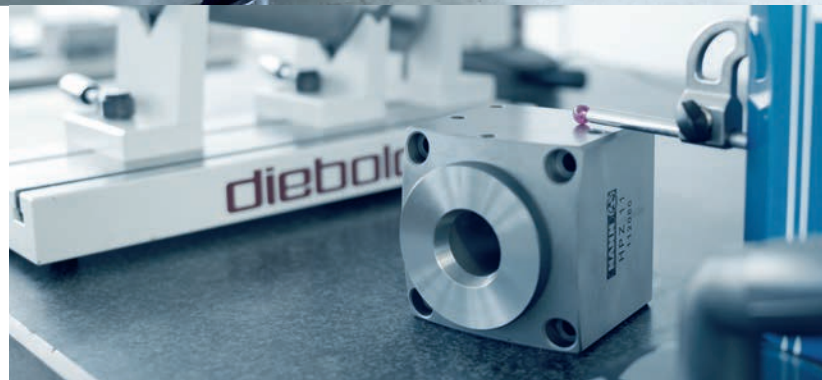
Nann is your expert partner when it comes to special units for individual requirements. This is why we are able to flexibly realise your ideas and experiences in the design of indexing units. We customise indexing units for you in an individual, quick and flexible manner.

Indexing units and spindle units at a glance:

- single- and multi-spindle indexing units
- custom-made spindle distance
- indexing units with additional pivoting axis
- with worm drive
- with indexing via gears
- for collets, expanding mandrels, jaw chucks
- with or without hydraulic or pneumatic clamping cylinder
- with spring actuated collet clamping
- with faceplate
- with or without spindle clamping
- various drives available according to customer requirements



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COLLET CHUCKS

More possibilities, higher clamping forces and universal applications: Nann does know about the demands that shape high-quality clamping technology and keeps a finger on the pulse of production.

Collet chuck type KSKF

In dialogue with the operators we have developed the new, universally applicable collet chuck type KSKF, for example, featuring above all short changeover times from external to internal clamping and high degrees of precision and rigidity.

Collet chuck type KSKF at a glance:

- for workpiece clamping of bar and chucking works
- highest clamping forces and rigidity (types KSKF, KSKF-A)
- axially fixed clamping head, less rigidity (type KSKF-AF)
- an intermediate flange is required for all collet chucks type KSKF
- all collet chucks type KSKF are designed to allow for a segment clamping mandrel to be bolt on via the bores at the face end without extensive modifications of the chuck
- quick change capability of clamping heads

Collet chuck type MSKF

The manually operated collet chucks type MSKF were newly developed by Nann, too. They are universally applicable and can be used for external and internal clamping with segment clamping mandrels.

Collet chuck type MSKF at a glance:

- for workpiece clamping of bar and chucking works
- highest clamping forces and rigidity
- simple conversion from external to internal clamping
- high precision
- quick change of clamping heads or segment clamping mandrels
- the exchangeable insert for internal clamping can also be used on the collet chucks type KSKF and the stationary indexing units type MZ

Through-hardened clamping heads with exchangeable rubber inserts

Nann clamping heads are equipped with rubber inserts making changeover possible on-site: extensive vulcanisation is no longer necessary. The collet is ready to be used after 15 minutes – an advantage that proves to be decisive in practice. The clamping heads can be used for workpiece clamping, chuck and bar work and for all common axial pulling chucks as well.