

# Clamping solutions for turning, milling, grinding

**Flexible manufacturing and faster set-up  
with the HAINBUCH products.**





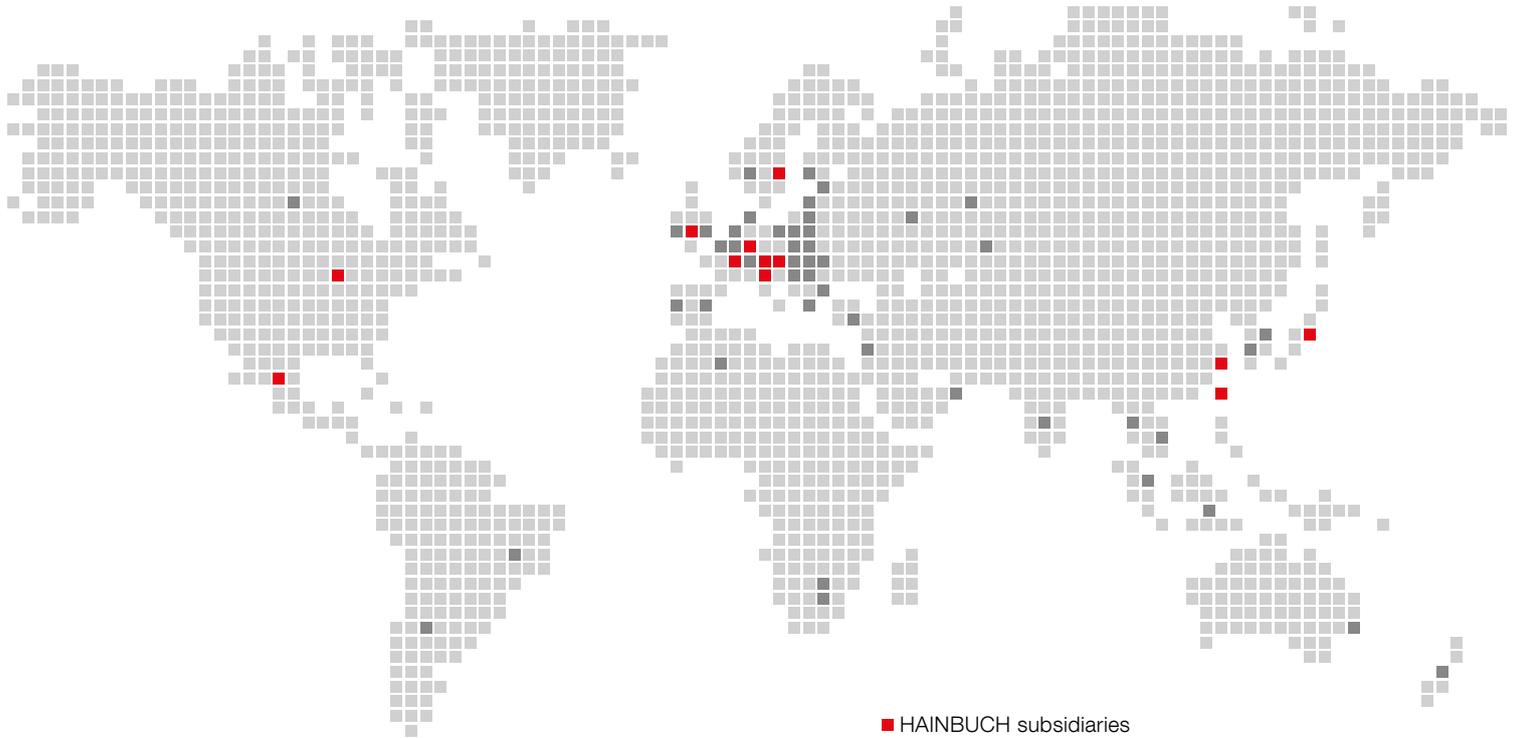


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# WE ARE AT YOUR SERVICE

Locally and worldwide



■ HAINBUCH subsidiaries  
■ HAINBUCH agencies

**11** INTERNATIONAL SUBSIDIARIES

WORLDWIDE MORE THAN **850** EMPLOYEES

OVER **1000** SPECIAL CLAMPING SOLUTIONS PER YEAR

FOUNDED IN **1951**

INDUSTRY **4.0** DIGITAL FUTURE SOLUTIONS

OVER **45** DESIGN ENGINEERS

SPANNTOP INVENTED IN **1977**

**IQ** CLAMPING DEVICES WITH INTELLIGENCE

LIGHTWEIGHT DESIGN CLAMPING DEVICES **CFRP** MADE OF CARBON FIBER

MORE THAN **150** PATENTS

SOLUTIONS  
Industries

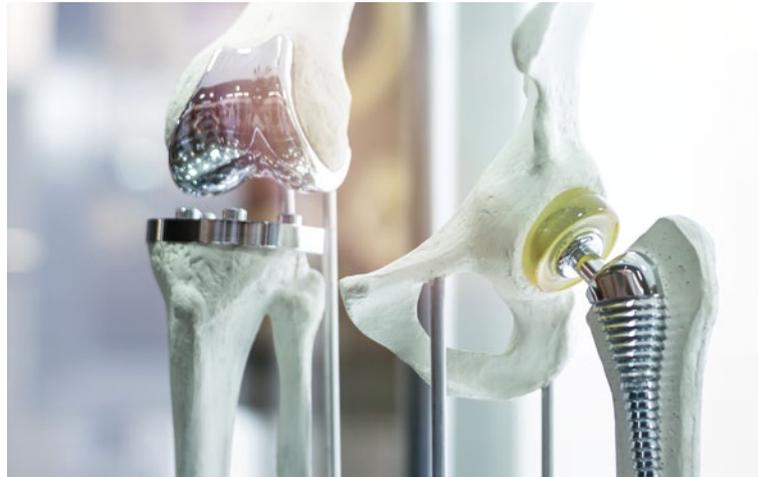


AUTOMOTIVE



AEROSPACE





MEDICAL

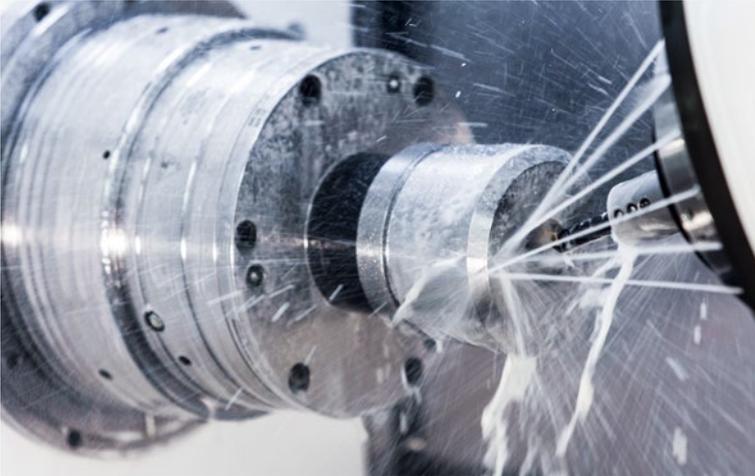


E-MOBILITY



SOLUTIONS

**Machining processes**

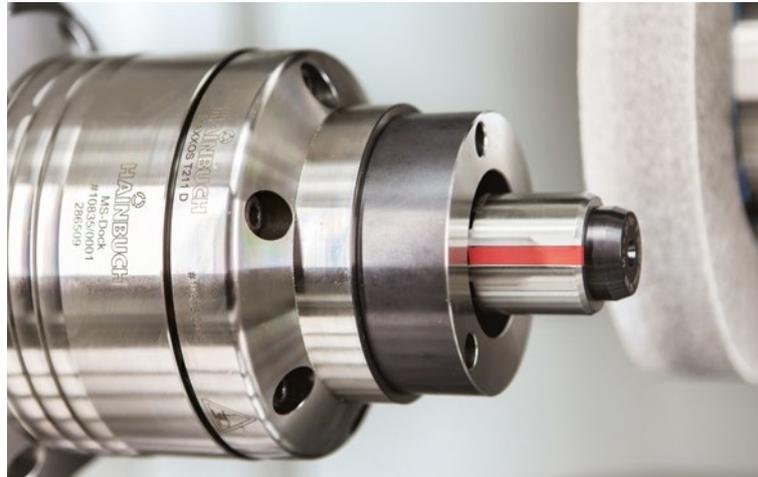


TURNING



MILLING





GRINDING



GEAR CUTTING



# TWO CLAMPING GEOMETRIES

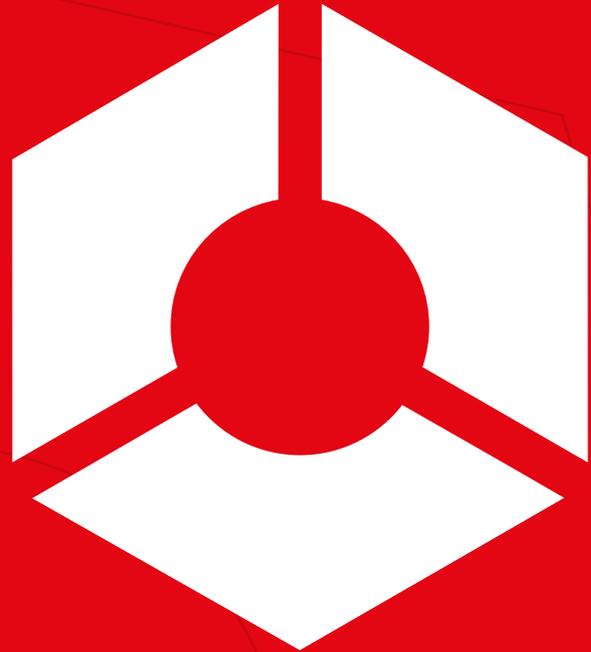
Many clamping devices are available in two different clamping geometries.

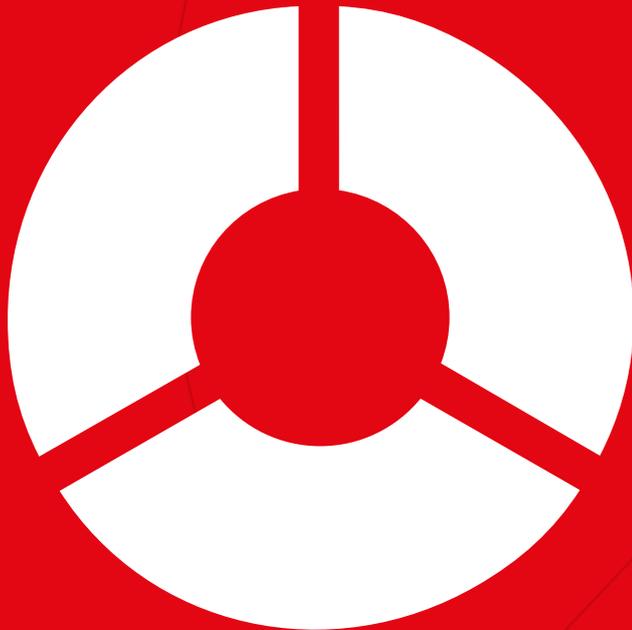
## **SE variant**

The version with hexagonal geometry offers a 25 % increase in holding power, relative to the round variant, and unique rigidity – thanks to full-surface contact of the clamping element in the clamping device body.

Moreover, it is more effectively sealed against contamination, and thus it is more wear-resistant than the conventional RD variant.

**On the market since 2005 –  
clamping geometry of the future.**





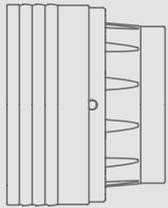
### **RD variant**

The version with round clamping geometry offers significantly higher holding power than conventional 3-jaw chucks or clamping collets thanks to the pull-back effect and circumferential clamping.

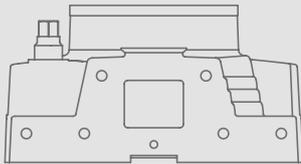
**On the market since 1980 –  
invented by HAINBUCH.**

# THE HAINBUCH SYSTEM

## Clamping devices



Chucks

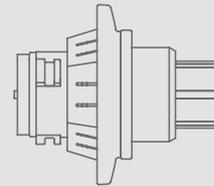


Stationary  
Chucks

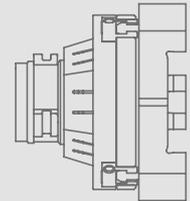
## Clamping elements and adaptations



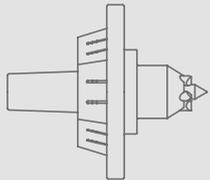
Clamping head  
for O.D. clamping



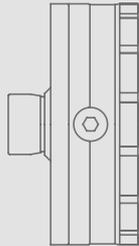
MANDO Adapt  
Adaptation for  
I.D. clamping



Jaw module  
Adaptation for  
jaw clamping



Face driver / Morse taper  
Adaptation for  
center clamping



Magnet module  
Adaptation for  
magnetic clamping

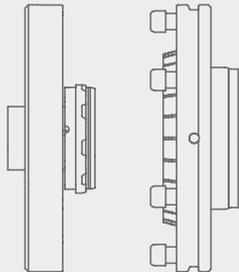


# EVERYTHING IS ENGINEERED AROUND **THE**

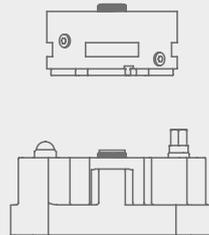
**THE FOUNDATION**

**THE HEART OF**

**Quick change-over  
interfaces**



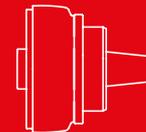
**Actuating  
units**



**Flanges**



**Clamping devices**



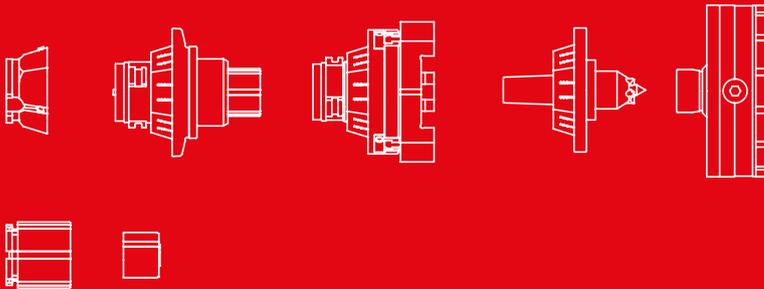
For connection on the machine:  
For fast set-up of the clamping device without alignment or for hydraulic  
or manual actuation of the clamping device.

# CLAMPING DEVICE

## WORKHOLDING TECHNOLOGY

## AMAZING ACCESSORIES

### Clamping elements and adaptations



- Changing fixtures
- TESTit force gauge
- vario part / vario quick / vario flex end-stop systems
- End-stop / front end-stop blanks
- Drawtube adapters
- Grease and torque wrenches
- Adapter for air sensing control

For fast change-over  
to different clamping diameters or to O.D. / I.D. clamping /  
jaw clamping ...

»Little helpers« that  
make work easier and  
more efficient.

HAINBUCH  
Chucks





# Chucks

Our chucks are based on the clamping head chuck principle that we invented more than 40 years ago, and which has been used thousands of times over. With this fully encompassing clamping of the work-piece, compared to the distortion potential clamping of 3-jaw chucks, you have higher holding power, fewer inertia losses, and are able to manufacture with greater precision.

## Advantages

- High run-out accuracy
- High holding power and stability
- Highly user friendly set-up
- Many adaptation possibilities for changing over from classic O.D. clamping to I.D. clamping / jaw clamping or magnetic clamping – without disassembling the clamping device

## Benefits

- Long service life
- Flexible manufacturing
- Less scrap
- Longer machine runtime

## CHUCKS

### TOPlus mini / TOPlus premium / TOPlus



#### Chucks with hexagonal clamping geometry – the optimized version for the round SPANNTOP

Sizes 26, 40, 52, 65, 80, 100  
Clamping range 3–100 mm

#### Variants

- Also available with reduced interference contour for small, narrow machine areas
- With or without pull-back effect when clamping the workpiece or as a pure through-bore chuck
- Also available for highly precise clamping

#### Clamping elements and adaptations



Changeable from O.D. clamping to I.D. clamping / jaw clamping and magnetic clamping or clamping between centers – without disassembling the chuck



#### Advantages

- 25 % higher holding force than SPANNTOP
- Unrivaled rigidity due to full-surface contact of the clamping segments
- Resistant to contamination due to hexagonal clamping head geometry
- Absorbs vibration and reduces tool wear
- Run-out accuracy  $\leq 0.005$  mm

#### Applications

- For rigorous run-out requirements
- Prototypes / single-piece manufacturing
- Series production
- Also ideal for hard machining and grinding



### Advantages compared to jaw chucks

- Extremely high holding forces
- Cylindrically surrounding workpiece clamping
- Minimal inertia losses
- Run-out accuracy  $\leq 0.01$  mm

### Advantages compared to spring collets

- Extremely high holding forces
- Cylindrically surrounding workpiece clamping
- High-strength steel-rubber composite connection instead of elastic spring steel

### Applications

- For rigorous run-out requirements
- Prototypes/single-piece manufacturing
- Series production

### Chucks with the »classic« round clamping geometry

Sizes	32, 42, 52, 65, 80, 100, 125, 160
Clamping range	3–160 mm

### Variants

- Also available with reduced interference contour for small, narrow machine rooms
- With or without pull-back effect when clamping the workpiece or as a pure through-bore chuck

### Clamping elements and adaptations



Changeable from O.D. clamping to I.D. clamping / jaw clamping and magnetic clamping or clamping between centers – without disassembling the chuck

# CHUCKS

## TOROK manual chuck



### Chuck with manual actuation

Sizes 52, 65, 100  
Clamping range 3–100 mm

#### Variants

- In steel or CFRP lightweight version
- Hexagonal [SE] or round [RD] clamping geometry

### Clamping elements and adaptations



Changeable from O.D. clamping to I.D. clamping/  
jaw clamping and magnetic clamping or clamping  
between centers – without disassembling the chuck



#### Advantages

- Manual actuation – a clamping cylinder is not required
- Sensitive clamping
- Workpiece stabilization through pull-back effect against end-stop

#### Applications

- Prototypes/single-piece manufacturing
- Series production
- Also for machines without hydraulics



### Advantages

- For I.D. and O.D. clamping
- Ideal for clamping workpieces that are susceptible to deformation
- High repeatability and run-out accuracy
- Large through-bore

### Advantages compared to traditional jaw chucks

- Flexible implementation [4-jaw and 2-jaw clamping]
- 4-sided clamping [2x2] with compensation of the opposing jaws
- No additional clamping device needed when changing between workpieces with different geometries or clamping diameters

### Applications

- Prototypes/single-piece manufacturing
- Series production
- Also for machines without hydraulics

### Compensating 4-jaw chuck for turning operations

Sizes	165, 215, 260, 315
Clamping range	7 – 315 mm

### Clamping elements



# CHUCKS

## B-Top jaw chuck

### Jaw chuck with high repeatability

Size 165, 215, 260, 315  
Clamping range 5 – 392 mm

### Clamping elements



### Advantages

- Fast jaw change with individual unlocking
- Large through-bore with bushing inserts that can be changed from the front
- Proven wedge rod mechanism

### Applications

- Prototypes / single-piece manufacturing
- Series production

**B-Top3 jaw chuck****Advantages**

- Fast change of jaws with individual unlocking
- Large through-bore with insert bushings that can be changed from the front
- Proven wedge rod mechanism

**Applications**

- Prototypes / single-piece manufacturing

**Jaw chuck with quick change-over option**

Size	215
Clamping range	5 – 392 mm

**Clamping elements and adaptations**

Changeable from jaw clamping to I.D. clamping or O.D. clamping – without disassembling the jaw chuck

HAINBUCH  
Stationary chucks





## Stationary chucks

Our stationary chucks are based on the clamping head chuck principle and are ideal for milling operation. Thanks to the possibilities of changing from O.D. clamping to I.D. clamping/jaw clamping or magnetic clamping, they are the perfect clamping devices for machining centers.

### Advantages

- High clamping repeatability
- High holding power and stability
- Highly user friendly set-up
- Many adaptation possibilities to change from the classic O.D. clamping to I.D. clamping/jaw and magnetic clamping – without dismantling the clamping device

### Benefits

- Flexible manufacturing
- Less scrap
- Longer machine runtime
- Long service life

## STATIONARY CHUCKS

**MANOK**

### Manual actuation stationary chuck with »classic«, round clamping geometry

Sizes 42, 52, 65, 80, 100  
Clamping range 3–100 mm

### Clamping elements and adaptations



Changeable from O.D. clamping to magnetic clamping –  
without disassembling the stationary chuck



### Advantages

- Manual actuation – a clamping cylinder or hydraulics are not required
- Sensitive clamping possible
- Workpiece stabilization through pull-back effect against end-stop

### Applications

- Prototypes / single-piece manufacturing
- Also for machines without hydraulics



### Advantages

- Manual actuation – a clamping cylinder or hydraulics are not required
- Sensitive clamping possible
- Workpiece stabilization through pull-back effect against end-stop

### Applications

- Prototypes/single-piece manufacturing
- Also for machines without hydraulics
- Series production
- Also ideal for hard machining and grinding

### Manual actuation stationary chuck hexagonal or round clamping geometry

Sizes	52, 65
Clamping range	3–65 mm

### Variants

- In steel or CFRP lightweight design
- Hexagonal [SE] or round [RD] clamping geometry

### Clamping elements and adaptations



Changeable from O.D. clamping to I.D. clamping/  
jaw clamping or magnetic clamping – without  
disassembling the stationary chuck

# STATIONARY CHUCKS

**HYDROK**



## Stationary chuck with hydraulic actuation

Sizes 32, 40, 42, 52, 65, 80, 100  
Clamping range 3–100 mm

### Variants

- Hexagonal [SE] or round [RD] clamping geometry

## Clamping elements and adaptations



Changeable from O.D. clamping to I.D. clamping/  
jaw clamping or magnetic clamping of the stationary  
chuck



### Advantages

- Hydraulic actuation
- Compact square design
- Automated multiple clamping in the smallest possible space

### Applications

- Prototypes/single-piece manufacturing
- Series production
- Also ideal for hard machining and grinding

### InoFlex VF centric clamping vise



#### Advantages

- For I.D. and O.D. clamping
- Ideal for clamping workpieces that are susceptible to deformation
- High repeatability and run-out accuracy
- Large stroke and compensation stroke per jaw

#### Advantages compared to traditional centric clamping vises

- Flexible implementation [4-jaw and 2-jaw clamping]
- 4-sided clamping [2x2] with compensation of the opposing jaws
- No additional clamping device needed when changing between workpieces with different geometries or clamping diameters

#### Applications

- Prototypes/single-piece manufacturing
- Series production
- Also for machines without hydraulics

#### Compensating 4-jaw chuck for milling operations

Sizes	160, 260
Clamping range	8 – 291 mm

#### Clamping elements



HAINBUCH  
**Mandrels**





## Mandrels and actuating units

With regard to complete machining, often the first thoughts are a jaw chuck or conventional mandrels with slotted clamping sleeves. However, both of these options quickly reach their limits in terms of accuracy, rigidity, and opening stroke. Quite simply, the power of our mandrels is underestimated, yet they offer the latest clamping technology and top performance even in extremely critical applications.

### Advantages

- High run-out accuracy
- High holding power and stability
- Highly user friendly set-up
- Workpiece accessibility from 5 sides

### Benefits

- Long service life
- Flexible manufacturing
- Less scrap
- Longer machine runtime

## MANDRELS

### MAXXOS T211

#### Mandrel with hexagonal clamping geometry – the optimized version for round MANDO

Sizes A, B, C, D, E, F  
Clamping range 18–100 mm

#### Variants

- Run-out accuracy: Standard  $\leq 0.01$  mm  
or Premium  $\leq 0.007$  mm

#### Clamping elements



Changeable to different clamping diameters



#### Advantages

- High transferable torque and holding power
- Unrivalled rigidity thanks to full-surface contact of the clamping segments
- Resistant to contamination thanks to hexagonal clamping geometry
- Absorbs vibration and reduces tool wear

#### Applications

- Prototypes / single-piece manufacturing
- Series production
- Also ideal for hard machining and grinding
- 5-sided machining



## MANDRELS

### MANDO G

#### Clamping mandrel for gear hobbing and grinding

Sizes  
Clamping range

0, 1, 2, 3, 4  
20–120 mm

#### Clamping elements



Changeable to different clamping diameters



#### Advantages

- Rigid radial clamping with pull-back effect when clamping the workpiece
- Extremely slender interference contour for tool run-out
- Three end-stop levels for high workpiece individuality
- Integrated flushing channels for chip removal

#### Applications

- Gear hobbing
- Gear grinding
- Gear shaping
- 5-sided machining



### Advantages

- Mandrels can be used on machining centers
- ms dock: sensitive clamping by hand – no hydraulics required – can also be used on the lathe
- hs dock: automated multiple clamping in the smallest possible install space

### Applications

- Prototypes / single-piece manufacturing
- Series production
- Also ideal for hard machining and grinding
- 5-sided machining
- Also for machines without hydraulics [ms dock]

### Actuating units for MAXXOS and MANDO mandrels

Sizes XXS-4, 5-7, A-F

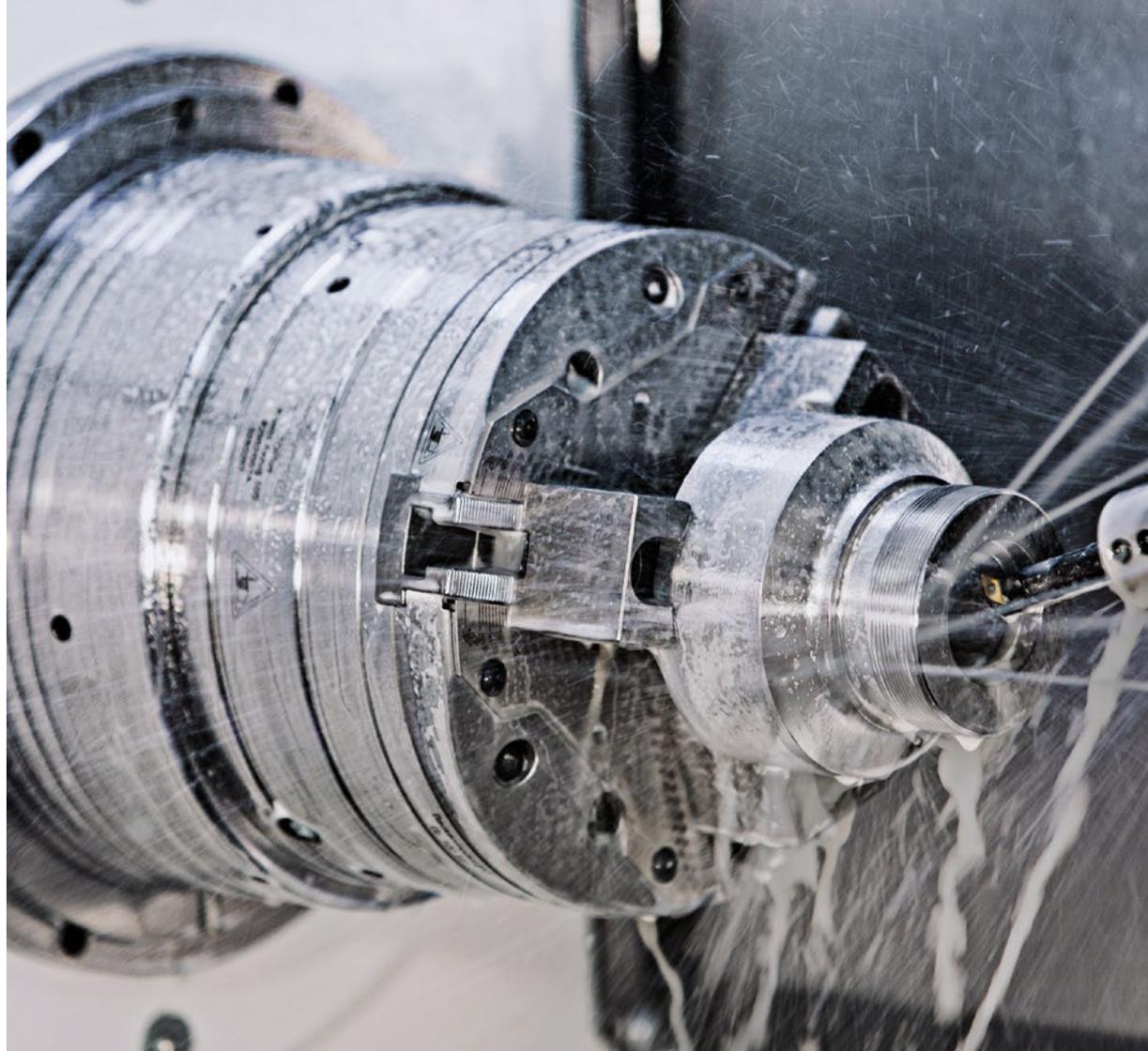
### Variants

- ms dock: rotatable up to 60 1/min. or 7.000 1/min.
- hs dock: rotatable up to 60 1/min., hydraulic or spring-assisted hydraulic clamping

### Mandrels



HAINBUCH  
**Adaptations**





## Adaptations

What determines the machining process and how you clamp the workpiece? In practice, this is often the clamping device – since set-up costs time and money. However the best results can only be achieved when the clamping optimally fits the workpiece. With our adaptations you leave the basic clamping device on the machine and change-over from O.D. clamping to I.D. clamping / jaw clamping and magnetic clamping, or to clamping between centers in no time at all, with the assistance of the adaptations.

### Advantages

- Extremely fast set-up time [1–2 min.]
- No disassembly of the basic clamping device
- Interface of basic clamping device to adaptation:  
run-out  $\leq 0.005$  mm / repeatability  $\leq 0.003$  mm

### Benefits

- Flexible manufacturing
- Longer machine runtime
- Long service life
- Short throughput times, no combining of job orders depending on the clamping device that is mounted

## ADAPTATIONS

### MANDO Adapt



#### Adaptation for changing over from O.D. clamping to I.D. clamping

Sizes XXS, XS, S, 0, 1, 2, 3, 4, 5, 6, 7  
Clamping range 8 – 190 mm  
Suitable for the following  
basic clamping device sizes 42, 52, 65, 80, 100, 125

#### Variants

- For hexagonal [SE] or round [RD] clamping geometry of the basic clamping device
- With or without draw bolt for short clamping lengths
- With or without pull-back effect when clamping the workpiece

#### Suitable basic clamping devices



#### Advantages

- Extremely fast set-up time [1 min.] without disassembling the basic clamping device
- Self-centering on the basic clamping device
- Large clamping range and vibration dampening through vulcanized segmented clamping bushings

#### Applications

- Prototypes/single-piece manufacturing
- Also ideal for hard machining and grinding
- 5-sided machining
- Also for machines without hydraulics



### Advantages

- Extremely fast set-up time [2 min.] without dismantling the basic clamping device
- Self-centering on the basic clamping device
- Enlarged clamping range of the basic clamping device
- Deadlength clamping without pull-back effect
- Optimum lubrication and resistance to contamination thanks to lubricating system

### Applications

- Prototypes/single-piece manufacturing
- 5-sided machining
- Also for machines without hydraulics

### Adaptation for changing from O.D. clamping to jaw clamping

Sizes	145, 215
Clamping range	15 – 209 mm
Suitable for the following basic clamping device sizes	65, 80, 100

### Variants

- For hexagonal [SE] or round [RD] clamping geometry of the basic clamping device
- 2- or 3-jaw module

### Suitable basic clamping devices



## ADAPTATIONS

### Face driver / morse taper



#### Adaptation for changing over from O.D. clamping to clamping between centers

Suitable for the following  
basic clamping device sizes                      42, 52, 65, 80, 100

#### Variants

- For hexagonal [SE] or round [RD] clamping geometry of the basic clamping device
- With spring-loaded centering point or without [MK4 reception]

#### Suitable basic clamping devices



#### Advantages

- Extremely fast set-up time [1 min.] without dismantling the basic clamping device
- Self-centering on the basic clamping device
- Support of long workpieces

#### Applications

- Prototypes / single-piece manufacturing
- Also ideal for hard machining and grinding
- Also for machines without hydraulics



#### Advantages

- Extremely fast set-up time [30 sec.] without disassembling the basic clamping device
- Self-centering on the basic clamping device
- End face axial clamping via neodymium magnet
- Manual actuation

#### Applications

- Prototypes/single-piece manufacturing
- Also ideal for hard machining and grinding
- Also for machines without hydraulics

#### Adaption for changing from O.D. clamping to magnetic clamping

Suitable for the following  
basic clamping device sizes

52, 65, 80, 100

#### Variants

- For hexagonal [SE] or round [RD] clamping geometry of the basic clamping device

#### Suitable basic clamping devices



HAINBUCH

**Quick change-over /  
zero-point clamping systems**





## Quick change-over / zero-point clamping systems

We are world champions when it comes to quick change-over, both manual and automated. With the HAINBUCH quick change-over and zero-point clamping systems, you can manufacture to order – no matter if on rotary or stationary machine tools – and virtually eliminate set-up times.

Of course, we also offer special designs that we can individually adapt to your machine tools and your clamping devices.

### Advantages

- Machine-overlapping utilization of clamping devices
- Highest repeatability
- Change-over in max. 5 minutes
- No need for alignment

### Benefits

- External set-up of the clamping devices possible
- Drastic reduction of clamping device change-over times
- Makes a longer machine runtime possible
- Cost-efficient production from batch size 1

# QUICK CHANGE-OVER SYSTEMS

**centroteX**

**Quick change-over system with minimum set-up time and highest repeatability**

Sizes S, M  
Change-over time 1 – 5 min.

## Variants

- For horizontal or vertical lathes
- centroteX S: for small spindles up to chuck size 65
- centroteX M: for large spindles from chuck size 65

## Clamping device adapter with clamping device



Also special design clamping devices or integration of clamping devices from other manufacturers possible



## Advantages

- Repeatability between machine adapter and clamping device adapter  $\leq 0.003$  mm – without alignment
- Extremely short set-up time of the complete clamping device  
centroteX S: < 1 min.  
centroteX M: < 5 min.
- Machine-overlapping utilization of clamping devices
- MonteQ mounting aid for easier handling of heavy clamping devices

## Applications

- Prototypes / single-piece manufacturing
- Series production
- Also ideal for hard machining and grinding
- 5-sided machining





## QUICK CHANGE-OVER SYSTEMS

**centroteX AC**

### Advantages

- Same run-out and manufacturing accuracy as the clamping devices used, plus change-over accuracy of the centroteX AC interface [ $\leq 0,003$  mm]
- Changing parts can be pre-setup on the machine or separately outside of the machine
- Clamping device mounting via bayonet mechanism using mechanical actuator [e.g. screwdriver or wrench]

### Applications

- Series production
- Automated set-up processes
- Automated batch size 1

### Quick change-over system for the automated change-over of pre-set chucks and mandrels

Clamping task  
Clamping devices

I.D. clamping/O.D. clamping  
Chucks, mandrels, 3-jaw chucks

### Clamping devices



# ZERO-POINT CLAMPING SYSTEMS

## DockLock

### Zero-point clamping system for manual clamping device change-over

Product lines	safe, airline
Sizes	20, 30, 50
Draw-in force	12,5 – 30 kN
Release	hydraulic, pneumatic

#### Variants

- Built-in cylinder
- Flanged cylinder
- Built-up cylinder
- Base plate

#### Clamping bolt



#### Advantages

- Maximum draw-in and holding forces make them suitable for every application
- User-friendly, since there is no jamming of the clamping bolts
- Fast hydraulic or pneumatic clamping release
- Repeatability  $\leq 0.005$  mm without alignment

#### Applications

- Prototypes / single-piece manufacturing
- Large-part manufacturing
- Series production



### Advantages

- Suitable for robot loading
- Control and cleanliness concept ensures reliable removal of contamination
- User friendly, since there is no jamming of the clamping bolts
- Maximum draw-in and holding forces make them suitable for every application
- Can also be used as a tool change interface for robots
- Repeatability  $\leq 0.005$  mm without alignment

### Applications

- Series production
- Automated set-up processes
- Automated batch size 1

### Zero-point clamping system for automated clamping device change-over

Product lines	autosafe, autoairline
Sizes	20, 30
Draw-in force	9 – 20 kN
Release	hydraulic, pneumatic

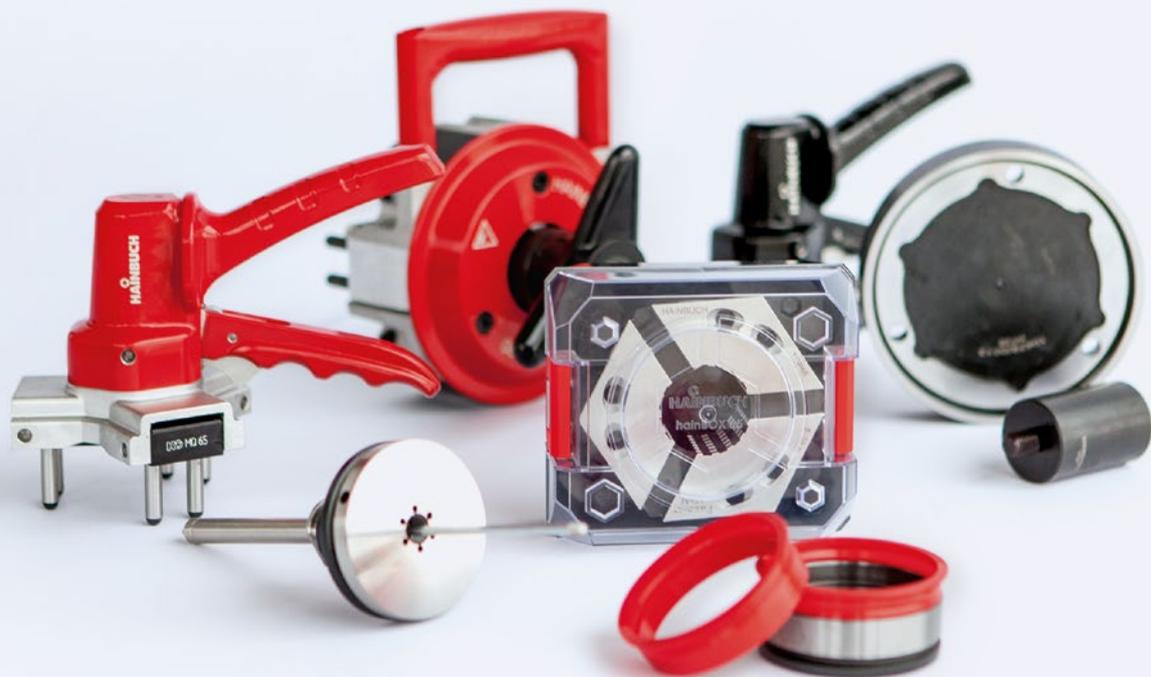
### Variants

- Built-in cylinder
- Flanged cylinder
- Flanged cylinder with conical center

### Clamping bolt



HAINBUCH  
**Accessories**



## Accessories

Underestimated? Yes, our accessories are underestimated. Our little helpers make a lot of things superfluous, enable the machine to work without disruption, support the machine operator, provide for reductions in set-up times, and they are easy on the wallet.

At HAINBUCH you get a no-hassle package and this includes consultation, assembly / commissioning, professional storage of the products, as well as the accessories.

Upgrade your manufacturing with practical and useful accessories. At HAINBUCH you will find everything you need as production optimizers.

## ACCESSORIES

### Little helpers with big capabilities

#### End-stop systems vario part & vario quick

With the standardized workpiece end-stops, you can dispense with making your own end-stops, save time at set up, and you can even use the end-stops multiple times.



#### vario flex end-stop system

The workpiece ejector secures your process by automatic ejection of the workpiece, increases your productivity by saving cycle time, and it can be used flexibly.

#### Blanks for end-stop & front end-stop

The prefabricated end-stops can be used immediately and they save you time. In addition, they reduce your costs, since you do not need any work preparation.



#### Storage system hainBOX

Store your clamping heads properly to protect them from contamination and damage. The hainBOXes can be stacked and conveniently stowed in drawers.



### Chip protection ring for chucks

The chip protection ring extensively protects the chuck mechanism from contamination. This reduces your machine downtime, increases your process reliability and extends the service life of your chuck.

### Changing fixture & holder

Your auxiliary equipment for fast change-over to another diameter. Perfect ergonomics make it easy to work with. And to ensure that you always have your changing fixture on hand, there is also a holder »one for all sizes« to hook in. It can even be fastened on the machine.



### Flange & drawtube adapter

The standard flanges fit on the major spindle standards and we configure the drawtube to your machine. This means that you do not have to design your own system and do not have to make any safety calculations.

### CENTREX duo

The centering unit with a repeatability of  $\leq 0.003$  mm can be easily integrated into your own design and fits anywhere, even in the smallest installation space. If you equip your pallet system or your clamping devices with CENTREX duo, then annoying and time-consuming alignment is a thing of the past.



# MEASUREMENT TECHNOLOGY

## TESTit force gauge

Force gauge for regular control and archiving according to DIN EN 1150

### Variants

- Clamping force measurement for O.D. and I.D. clamping
- Holding power measurement of tool holders
- Draw-in force measurement for quick change-over and zero-point clamping systems
- Axial force measurement during service calls/machine maintenance
- Special solutions possible

### IT module



### TEST module

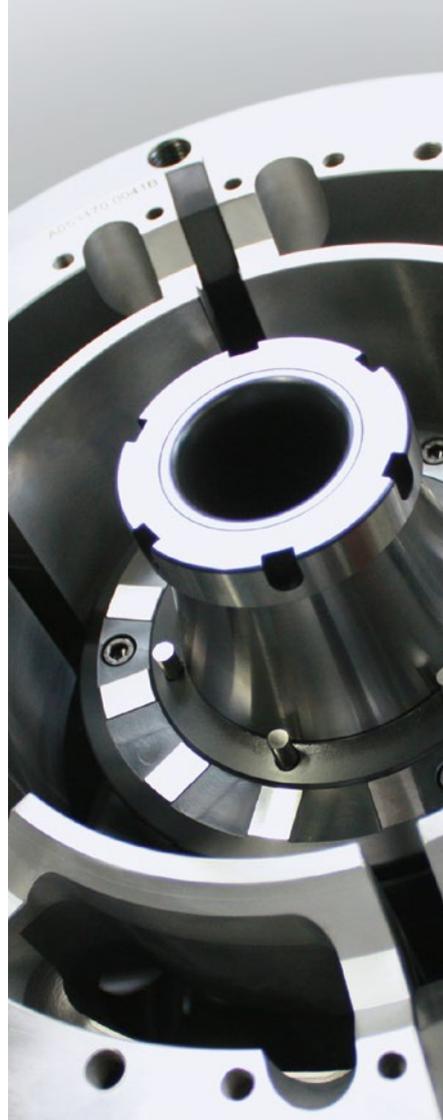


### Advantages

- Determination of the ideal clamping force / draw-in force
- Avoidance of deformation or workpiece loss through regular checking of the clamping force
- Two units, connected with plug & play: IT module – only needed 1x, TEST module – for various measurement
- Software for visualization and archiving of measurements

### Applications

- Process documentation
- service calls/machine maintenance
- Can be used rotating [under RPM] and for stationary applications



## Customized solutions

Demand is increasing for individually tailored clamping solutions that are precise, process-optimizing, and flexible. Together with our 45 design engineers and our R&D team, we can develop a customized solution for you, and we offer it at a price that enables a fast ROI.

We offer clamping devices that meet the requirements of fast-growth technologies, differentiated markets, and the increasing fusion with the IT world, and yet these clamping devices enable individualized production down to batch size 1. In other words, a completely individual solution in the customary HAINBUCH quality. Whether this is in the direction of special applications, Industry 4.0, automation or intelligent clamping devices.

### Facts

- 50 % of our orders are customized solutions
- Large orders with over 100 clamping devices are not uncommon at HAINBUCH
- The project and development business is a favorite area at HAINBUCH; here we can consider the entire process
- Two awards for our intelligent TOPlus IQ chuck
- One award for our industry 4.0 solution in own manufacturing
- More than 1000 customized solutions per year

**Chucks**

	TOPlus mini		18
	TOPlus premium		18
	TOPlus		18
	SPANNTOP mini		19
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	B-Top jaw chuck		22
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**Stationary chucks**

	MANOK		26
	MANOK plus		27
	HYDROK		28
	InoFlex centric clamping vise		29

**Mandrels / actuatings units**

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	MANDO		33
	MANDO G		34
	Actuating units ms dock / hs dock		35

## Adaptations



MANDO Adapt



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Jaw module



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Face driver /  
morse taper



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Magnet module



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## Quick change-over / zero-point clamping systems



centroteX

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centroteX AC

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DockLock

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DockLock AC

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## Accessories



End-stops, chip protection  
rings, changing fixtures,  
flanges ...

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## Measurement technology



TESTit

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## We are here for you!



Order hotline

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Delivery hotline

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