

That makes sense:

The modular system for turning- and milling operations

**Clamping solutions,
that are worth it!**



HAINBUCH: Flexible clamping solutions with quick change-over

The HAINBUCH modular system. Flexibility is significant

Clamping device

Rotating



TOPlus chuck



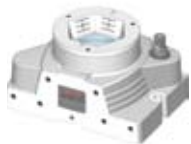
SPANNTOP chuck



TOROK manual chuck



Stationary



MANOK plus manual stationary chuck



HYDROK hydraulic stationary chuck



ZENTROK concentric clamping device

Clamping elements



Clamping head – O.D. clamping

- Circumferential clamping
- 3 different versions: For raw material, precision machining and for in-house machining
- An abundance of profile clamping possibilities
- Coolant-resistant rubber-metal connection, prevents chips in the chuck

Adaptation clamping devices



MANDO Adapt mandrel – I.D. clamping

- Quick change-over from O.D. to I.D. clamping without adjusting due to CENTREX interface
- Repeatability < 0,002 mm between chuck taper and mandrel taper
- Different mandrel sizes
- Clamping range Ø 8 – 120 mm
- Available with and without draw bolt



Jaw adapter – clamping in front of the chuck can be achieved

- Approximately double of the clamping Ø can be realized
- Drilling and milling between the jaws
- Installation and removal with tapered bolts – without changing fixture
- Loading plug for machining to size of the soft jaws

TOPlus chuck. Six to win



TOPlus

- 25 % higher power conversion than SPANNTOP
- Unequalled rigidity due to full-surface contact of the clamping segments
- No radial displacement between clamping head and chuck body, therefore it is resistant to contamination
- Concentric precision < 0,015 mm
- Vibration dampening – thereby much less tool wear
- Excellent repeatability



Clamping elements



Adaptations



SPANNTOP nova chuck. Good things can always be improved



SPANNTOP nova

- Typical HAINBUCH features, such as user friendly set-up, full throughbore capacity, parallel clamping, optimal power conversion, extreme rigidity and superior holding power, as well as minimal wear and tear
- Concentric precision < 0,01 mm
- Minimal inertia loss



Clamping elements



Adaptations



Manual chuck TOROK. Clamps gently or forcefully



TOROK

- Manual actuation – a clamping cylinder is not required
- Sensitive manual clamping is possible
- Concentric precision < 0,010 mm
- Minimal inertia loss



Clamping elements



Adaptations



Jaw chuck B-Top3. Practically inclined

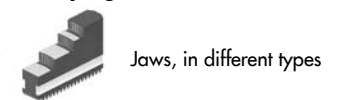


B-Top3

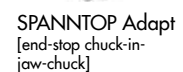
- Throughbore capacity of 62mm. Interchangeable through-bore and endstop bushings available
- Fast jaw change with individual unlocking at high change-over accuracy
- High degree of operational safety with minimum change-over time
- Proven wedge rod mechanism



Clamping element



Adaptations



Mandrel MANDO T211. Efficient and economical



MANDO T211

- Vibration dampening due to vulcanized segmented clamping bushings
- Work piece stabilization due to axial draw force against work piece end-stop
- Form-compensation, segmented clamping bushing upon request
- Standard segmented clamping bushing for machining to size
- Standard end-stop for machining to size available
- Clamping range from Ø 20 – 120 mm with only 5 mandrel sizes
- Optional with pneumatic air sensing control



Clamping elements

- SB segmented clamping bushing
- SAD segmented clamping bushing [for machining to size available]
- MANDREX cartridge

Mandrel MANDO T212. Perfect I.D. clamping



MANDO T212

- Vibration dampening due to vulcanized segmented clamping bushings
- Work piece stabilization due to axial draw force against work piece end-stop
- Clamping without draw bolt, consequently ideal for blind bores
- Segmented clamping bushing for machining to size
- Standard end-stop for machining to size
- Clamping range Ø 8 – 100 mm



Clamping elements

- SB segmented clamping bushing
- SAD segmented clamping bushing [for machining to size]

Excentric chuck. Concentric and eccentric machining in a single clamping set-up



Excentric chuck

- Infinite eccentric adjustment via the C-axis 15 mm
- Concentric and eccentric machining in a single clamping set-up
- Minimal inertia loss
- Eccentric positioning accuracy $\pm 0,02$



Clamping elements

- Clamping head

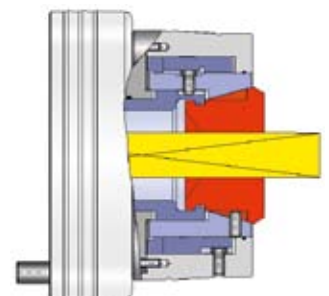
SPANNTOP 2x2 chuck. Secure clamping of square material



SPANNTOP 2x2

- Secure clamping of square material on all 4 sides with the same clamping force
- Compensating large square material tolerances [up to ± 1 mm]
- Typical HAINBUCH features, such as user friendly set-up, full throughbore capacity, parallel clamping, optimal power conversion, extreme rigidity and superior holding power, as well as minimal wear and tear
- Standard clamping heads can be used for clamping round material as well

Application

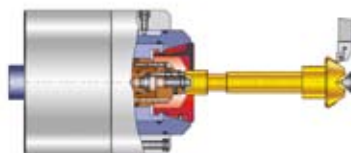




Shaft chuck

- Complete machining of shafts between centers
- Torque distribution via clamping head
- Draw of components onto the center
- Typical HAINBUCH features, such as user friendly set-up, parallel clamping, optimal power conversion, extreme rigidity and supreme holding power, as well as minimal wear and tear
- Transmission of greater torques possible

Application



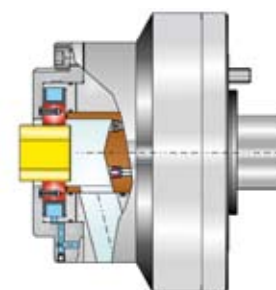
Shaft machining



TALEMENT

- Minimum deformation of thin-walled work pieces through form-compensation and circumferential clamping
- Form- and position compensation clamping
- Also perfect as additional stabilizing in raw clamping areas

Application



Pick-up chuck for sub spindle

Fill out. Send back. Done.

Discover the economical solutions of the HAINBUCH modular system.

- Please send me the HAINBUCH **catalog.**
- Please call me, in order to set up an **appointment.** My telephone number is listed to the right.

fax-reply
+1 414 358 9560

First name/Last name _____

Company/Department _____

Street/No. _____

City/State/ZIP _____

Phone _____

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