

www.smwautoblok.com

SMW-Autoblok Group

SMW-AUTOBLOK group was born in 1942 and in the mid-'60 it began the expansion to foreign markets, mainly France, Germany, England and USA.

In 1993 the breakthrough, with the acquisition of GERMAN SMW SPANNSYSTEME Gmbh, with his cutting-edge products and his strong position in Germany, USA and Japan markets. Born that way the SMW-AUTOBLOK mark, the operation that permits to widen significantly the range of products and to exceed the "critical mass" for further worldwide expansion.

combination The of these premier manufacturing entities created the SMW-AUTOBLOK group and resulted in the most extensive product line of high-quality workholding and advance solutions for machine tools in the world. Our production facilities are in Caprie-Italy, Meckenbeuren-Germany, Nottingham UK, Wheeling IL-USA, Shanghai-China and Pune-India.

The global corporate organization SMW-AUTOBLOK achieved substantial global growth by providing a superior level of customer service and technical support for our application driven product line.

Covering more than 55 countries with 20 direct subsidiaries and specialized agents. With Mario Pinto, specialized in live tooling and OML in advanced static workholding the SMW-AUTOBLOK has achieved an unmatched position in the worldwide market.

Furthermore, thanks to the acquisition of Tobler, our range of SMW-AUTOBLOK expanding standard and special mandrels becomes the most complete on the market.

The recent acquisition of Tecnomagnete with the new company foundation MAG-Autoblok Tecnomagnete completes the range of clamping systems for machine tools with high-tech magnetic systems. Autoblok S.p.A.

SMW Spannsysteme Gmbh



Mario Pinto S.p.A.

OML srl

Telbrook

TOBLER

MAG-Autoblok Tecnomagnete

INDEX



TURNING PORTFOLIO

All SMW-AUTOBLOK turning products are dedicated to rotary work-holding equipment on lathes.

Our work-holding products allow the highest productivity, the answer to the highest demand for parallelism and repeatability, and compensate for the centrifugal forces for high speed.



MANUAL CHUCKS

П

HG



• Tongue & Groove - 3 jaws

• HG-2G Ø315-630 mm (*)

jaw guide ways

• HG-NB Ø800-1000

• HG-F Ø160-400 mm • HG-B-2G Ø800-1000 mm (*)

• HG-N Ø160-630

• Lubrication channels in the



PTF

- Quick jaw change with though hole Independent manual chucks
 - TONGUE & GROOVE
 - Closed center
 - 4 jaws (all diameters)
 - Manual clamping and radial setting
 - of jaws
 - PTF Ø 530 2000 mm

CLOSED CENTER POWER CHUCKS



NT - NTL

- High precision fully sealed power chucks
- Centrifugal force compensation
- INCH / METRIC SERRATION
- by model • TONGUE & GROOVE for C version
- 3 jaws
- NT Ø170 400 mm
- NTL Ø260 1000 mm



IN - IL

- High precision power chucks
- INCH SERRATION for D version
- MODULE 2 SERRATION for D version and large diameters
- TONGUE & GROOVE for C version
- 3 or 4 or 6 jaws based on the model and diameter
- IN, IL Ø500-800 mm
- IN, IL large diameters Ø1000-1600 mm

OPEN CENTER POWER CHUCKS



BH - FC

- High precision power chucks
- BHD-FC Inch serration
- BHD-FC metric serration
- Centrifugal force compensation
- 3 jaws
- BH FC Ø165 630 mm



BB

- · High precision power chucks
- BB-D Inch serration
- BB-M metric serration
- EXTRA large through-hole
- 3 jaws
- BB Ø140 435 mm



CLOSED CENTER POWER CHUCKS 2





IBX

- · High precision, resistance and power manual jaw box
- with semi-finished body 2G version Accessory for face plates, 4 jaws independent manual or chucks
- Internal or external clamping
- JBX 300 mm
- JBX-2G 200-400 mm

Centco4 MLW

- Independent self centering clamping in 2 axis
- INCH SERRATION
- 2+2 jaws
- · Weight-optimized chuck body • Centco4 MLW Ø 315 - 1400 mm



proofline® ser

· High precision power chucks INCH / METRIC SERRATION

AN - AL

3

BH

- by model
- TONGUE & GROOVE for C version
- AN, AL Ø125 400 mm
- AN C version Ø165 400 mm

• High precision fully sealed

power chucks

AP - APL

- **INCH / METRIC SERRATION** by model
- 2 and 3 jaws (4 jaws only Ø 400 mm) TONGUE & GROOVE for C version • 2 or 3 jaws
 - AP Ø170 400 mm
 - APL Ø215 1000 mm



IR

- High precision power chucks
- TONGUE & GROOVE
- Radial setting of jaws
- · 3-6 or 4 jaws (all diameters)
- IR Ø660 2500 mm



- IND-CP
- High precision power chucks
- INCH SERRATION and MODULE 2
- Self centering and compensating power chuck
- 3 jaws
- IND-CP Ø500 1250 mm





BH Big diameters

- High precision power chucks
- BH-D Inch serration
- 3 jaws
- BH Ø500-800 mm

OPEN CENTER POWER CHUCKS

proofline[®] series

BP

- High precision power chucks
- INCH / METRIC SERRATION
- by version
- 3 jaws
- BP Ø220 320 mm
- Wedge-bar design 3 jaws

HFKN

- HFKN Ø110 500 mm

• LARGE THROUGH-HOLE

INCH / METRIC SERRATION

• High precision power chucks

or TONGUE & GROOVE by version



HFKS-2G

- LARGE THROUGH-HOLE
- INCH / METRIC SERRATION
- · High precision power chucks
- Wedge-hook design with centrifugal 2+2 jaws
- force compensation
- 3 jaws Reduced weight
- HFKS-2G Ø165 320 mm



Centco4

- LARGE THROUGH-HOLE
 - INCH / METRIC SERRATION
 - Centrifugal force compensation

 - Independent self centering
 - clamping in 2 axis • Centco4 Ø210 - 630 mm



High precision power chucks

BH-D Inch serration

• 2, 3 and 4 jaws

• BH Ø130-450 mm

BH-M metric serration

QUICK JAW CHANGE POWER CHUCKS



KNCS-N

- Large through-hole
- · High speed only for N version
- High flexibility
- 2 or 3 jaws
- · Fully sealed on 2G version
- KNCS-N /NB Ø140-1000 mm
- KNCS-2G Ø170 630 mm
- KNCS-NB-CL Ø630 mm



AP-NT R

· Fully sealed

- Closed center
- 3 jaws
- Centrifugal force compensation
- AP-R Ø170-400 mm
- NT-R Ø170-400 mm



APL - NTL RR

- HIGH PRECISION 3 JAW SEALED POWER CHUCK
- Suitable for manual and/or robotic use
- LONG STROKE
- 3 jaws

5.3

- Centrifugal force compensation
- APL-RR Ø215-400 mm
- NTL-RR Ø260-400 mm



- QUICK JAW CHANGE SYSTEM TO **CONVERT STANDARD CHUCK IN** QUICK-CHANGE CHUCK Ø 210 - 400 Easy coupling and uncoupling with spring loaded button
- Safety against accidental release
- Suitable for manual and/or
- robotic use
- Ready for robotized change

2+2 JAW CHUCKS 5.2







2+2+2 CHUCKS



TPT

- 2+2 independent jaw movement
- TONGUE & GROOVE
- Closed center
- Individual jaw regulation
- TPT Ø210-800 mm
- TPT-RC Ø1000 2000 mm

TSX

- · High precision pull-down chucks
- Active pull-down
- TONGUE & GROOVE • 2+2 jaws
- TSX-C Ø265-315 mm



- Pull-down chucks • 2+2+2 equalising (12 point contact)
- 6 Floating or Rigid jaws by model
- Active pull-down
- TONGUE & GROOVE
- TEF Ø260-850 mm
- TER Ø260-850 mm

• 6 jaws (2+2+2) all sizes

 INCH SERRATION or TONGUE & GROOVE by model

IEP

- MODULE 2 SERRATION
- for D version and large diameters
- Closed center
- Centrifugal force compensation
- IEP Ø400-800 mm
- IEP-D large diameters
- Ø1000-1600 mm



5.1 PULL-DOWN CHUCKS

| Floating or Rigid jaws based on the model FIS | For the series of the model TSB Ø220-330 mm | Figure 1 • High precision pull-down chucks • Active pull-down • TONGUE & GROOVE • 3 jaws • TX Ø170-530 mm | FRC-N FRS • Lever chucks • Large compensating stroke • TONGUE & GROOVE • Center point adjustable • Rigid jaws • 3 jaws • FRC-N Ø215-365 mm • FRS Ø215-365 mm |
|--|---|---|--|
| | | | |
| | 5.4 INDEXING CHU | CKS 5.5 COLUM | |
| For this walled or deformation | Proofine series Proofine series Euly sealed - low maintenance Automatic indexing chuck Hydraulic clamping and indexing Divisions: 4 x 90°/ 8 x 45°/ 3 x 120° / 6 x 60° or specials 2 jaws Avesting 1000 mm | ACS Pull-down chucks ACS-E: for external clam ACS-I: for internal clam 3 and 6 jaws | hucks |
| Centrifugal force compensation SU (225 200 mm) | • AXN Ø210 - 1250 mm | • 5 jaws (only ACS-E 5-520 • ACS Ø110 - 520 mm |)) |
| • SJLS Ø225-400 mm | | | |
| 6 DIAPHRAGM CHUCKS | | | |
| D PUICK JAW CHANGE 0.D. or pitch line clamping Centrifugal force compensation D: Ø160 - 400 mm | by the profile series by the profile series by sealed - low maintenance by the pull-down fingers jaw by UICK JAW CHANGE by Addial and axial clamping be Flat gripping force curve be CMBB: Ø210 - 400 mm | Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Dependent Depe | For the second se |



COMOT-DZ

7

- Hybrid collet chuck
- Use of vulcanize standard collets
- · Clamping of thin walled workpieces Long service life due to case
- hardened componenets and lubrication
- Ideal for bar loader machines
- Best tool accessability
- Seal against contamination of the
- collet • COMOT-DZ Ø42-65 mm



COMOT-AZ

Hybrid collet chuck

- Use of vulcanized standard collet
- Optional premium adapter for the
- use of slotted high-precision collets • Optional use of expanding
- mandrels of the connect series EMX-F-CO
- Preparation for air sensing
- Radial fine adjustment
- COMOT-AZ Ø42-65-100 mm



COMOT-NZ

Hybrid collet chuck

- Large selection of standard collets Low deformation clamping of thin
- walled workpieces Long service life due to case
 hardened components and
- lubrication
- Sealed against contamination
- Rigid axial stop front or in the bore
- Optional use of expanding mandrels of the connect series EMX-F-CO-NZ
- COMOT-NZ Ø42-65-100 mm



KSZ-MB / PPBE

- Collect chuck
- For bar machining
- Push actuation
- · Quick and simple installation to all làthes
- Quick set-up by means of bayonet locking cap
- For highest speeds
- Clamping / unclamping of chuck
- during spindle rotation is possible • KSZ-MB Ø42-52-60-70-80 mm
- MANUAL OR POWER OPERATED EXPANDING MANDRELS ADAPTER FLANGES





EM-B

- Hand or power operated expanding mandrels
- Large expansibility
- Flange mounting
- Very rigid design
- EM-B: 0 4 (Ø16 129,5 mm)

Adapter flanges EM / EMX

- ISO-A for expanding mandrels
- The expanding mandrels have a cylindrical mounting
- Flanges for machine spindle
- ISO-A 702/1-DIN 55026

Special mandrels

 Special solutions for your applications



EM-B-S



EM-G *Workpiece: Hub flange

DOUBLE PISTON CYLINDER

SPECIAL *Workpiece: **Bearing support**

9.2 **OPEN CENTER CYLINDER**





VNK

- · Open center rotating hydraulic cylinders
- Up to 45 bar
- Extra short overall dimensions
- Stroke control via proximity switch
- or LPS
- THROUGH-HOLE: Ø37.5-127.5 mm

VSG

- Open center rotating hydraulic cylinders
- Up to 45 bar
- EXTRA large through-hole
- Stroke control via proximity switch
- or LPS
- THROUGH-HOLE: Ø165 204 mm



DCN/DCU/DCR/DCE

- Double piston rotating hydraulic cylinders
- Up to 70 bar

9.3

- Modular system for different piston strokes
- · Central bore for air, coolant or oil
- Stroke control via proximity switch or LPS

ZHVD-SZ

- · Double piston rotating hydraulic cylinders
- Up to 80 bar
- · Central bore for air, coolant or oil Stroke control via proximity switch or LPS

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EM-B-S

*Workpiece: Rotor (Sintermetall)

*

*Workpiece: Distribution plate **Examples of Application**

MANUAL OR POWER OPERATED EXPANDING MANDRELS ADAPTER FLANGES



GF 80

- BAR PULLING CHUCK
- Inch serration
- Spring operated bar pulling chuck
- Spring actuation
- · For stationary outside clamping



Highest repeatability

8

- Large expansibility
- Preparation for air sensing
- Segment sleeves vulcanized (option)
- FP version: with pull-down
- · C version: Case hardened / wear
- resistant segment sleeves
- EMX-P: 1-11 (Ø 14.7 a 131.7 mm)
- EMX-F/FP: 1-6 (Ø 19.7 a 132.9 mm)
- EMX-C: 1-5 (Ø25 a 120 mm)



EMX-S

- Power operated
- For TURNING, GRINDING and MILLING
- Case hardened / wear resistant segment sleeves
- Large expansibility
- Very rigid design
- EMX-S: 1 4 (Ø18 105 mm)



EM-A EM-AL

- Hand or power operated
- expanding mandrels
- Large expansibility
- Flange mounting
- Very rigid design
- EM-A: 1 11 (Ø14,7 131,7 mm)

9.1

CLOSED CENTER CYLINDER - HYDRAULICS | PNEUMATICS







SIN-S

- Closed center rotating hydraulic cylinders
- Up to 70 bar
- Central bore for air or coolant
- Stroke control via proximity switch or I PS
- SIN-S 50-250

SIN-HL/L

- Closed center rotating hydraulic
- cylinders • Up to 70 bar
- Central bore for air or coolant
- Stroke control via proximity switch or LPS
- High-low gripping force clamping on HL version
- EXTRA long stroke on L version
- SIN-HL/L 85-175

- Rotating pneumatic cylinders
- Up to 7 bar

CSN

- Stroke control
- Optional safety valve
- CSN 100-250

SENSOR - INTERFACE - UNION 9.4



Positioning system LPS 4.0

- Linear positioning system cylinder stroke Binary Interface Box
- · Analog or digital output signal
- Monitoring of the entire cylinder stroke
- LPS 4.0 14 = measuring range 14 mm
- LPS 4.0 48 = measuring range 48 mm
- LPS 4.0 80 = measuring range 80 mm
- LPS 4.0 120 = measuring range 120 mm



Binary Interface Box 4.0

- Binary output signal
- Suitable to LPS 4.0 series
- Easy setup Plug & Play
- Binary signal backward compatible
- to LPS 4.0

RU-1-10 / RU-1-16 / RU-2-22

- · Rotary union for media supply for rotating cylinders
- · Universal for air, oil or coolant
- RU-1-10 / RU1-16 = 1 MEDIUM
- RU-2-22 = 2 MEDIA

PNEUMATIC | HYDRAULIC FRONT-END CHUCKS











SP

10

- EXTRA LARGE THROUGH-HOLE Ø26 - 115 mm
- INCH SERRATION
- 3 iaws
- SP-ES: Chuck with rapid and clamping stroke
- SP-L: Chuck with long jaw stroke
- SP: Ø125-350mm

BIG BORE®

- · With pneumatic sequence
- chucks on FZA2G version • EXTRA LARGE THROUGH-HOLE
- INCH SERRATION
- DIFFERENT FEATURES BY MODEL:
- N: Standard jaw stroke 3 jaws
- N ES: rapid and clamping stroke 3j SC: rapid and clamping stroke - 3j
- Proofline®
- EXL2G: EXTRA large rapid and clamping stroke 3j Sealed master jaws
- · AZ2G: Self centering or
- compensating clamping 3j
- FZA2G: EXTRA large jaw stroke - 3 integrated centering jaws and 3 compensating jaws
- EXL-SC2G: Clamping with spring - 3j - Proofline®

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SELF-CENTERING STEADY RESTS FOR TURNING AND GRINDING



Self-centering Steady Rest

Special sizes on request

• Monitoring open / closed via

vertical loading (A version)

· Pivoting upper arm for automatic

• SLU 1 - 6 (range 4/64 to 125/460)

• SLU-A 1-6 (range 4/52 to 160/460)



Self-centering Steady Rest STANDARD LINE

Special sizes on request

· Monitoring open via proximity

• SLUX 1-5.1 (range 6/70 to 85/350)



SLUB

- Self-centering Steady Rest STANDARD LINE
- · Monitoring open / closed via proximity switch
- Special sizes on request
- · EXTRA compact with side mounted cylinder and additional pivoting upper arm for automatic vertical loading (A version)
- SLUB 3-6 (range 12/152 to 125/460)
- SLUB-A 3-6 (range 12/130 to 160/460)



SR - SRA

- Self-centering Steady Rest PREMIUM LINE
- Integrated fine adjustment of the center line on CL version
- Integrated coolant / air flush
- · Diameter measuring system or monitoring open via proximity switches
- SR 2 6 (range 20/101 125/460)
- SRA 2 6 (range 20/80 175/460)

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SLU

BASIC LINE

proximity switch

Hardened arms

STATIC CHUCKS PNEUMATIC / HYDRAULIC

SLU-X

switch



USC - US Big diameters

- · Unit with static cylinder
- With stroke control
- · Can be equipped with different types of chucks
- · 2, 3 or 4 jaws (large diameters) • USC:Ø140-260 mm.
- US Big díameters: Ø400-800 mm

US

- STATIONARY CYLINDER AND CHUCK
 STAND ALONE UNIT (DIFFERENT FROM THE MODEL)
- Closed center chucks type CL/AN/AL
- Pneumatic static cylinder
- US Ø80 315 mm



MJ MANUAL JACK

- · Use of power chucks on milling machines, 5 axis machines, milling and turning machines
- Ideal for Multi pallet FMS systems
- SIZES: Ø300-720 Plain Back



HB PB

- STATIONARY CHUCK, HYDRAULIC -
- **BUILT-IN HYDRAULIC CYLINDER**
- INCH SERRATION or TONGUE & **GROOVE** by model
- 2 and 3 jaws
- HB Ø130 315 mm • PB: Ø130 - 315 mm



SF-RZ

- 2 Position hydraulic ring indexing chuck
- 3 self centering jaws
- Large evacuation windows for easy chip flow
- Fully automatic and controlled indexing
- SF-RZ Ø400 600 mm



SF-RAZ

- 2 Position hydraulic ring indexing chuck
- TONGUE & GROOVE
- 6 jaws (3 self centering and 3 compensating jaws)
- Large evacuation windows for easy
- chip flow Fully automatic and controlled
- indexing
- SF-RAZ Ø750 1050 mm
- SF-RAZ2G Ø710 1100 mm



HYND-S HYDL-S

POWER CHUCKS WITH BUILT-IN HYDRAULIC CYLINDER

- INCH SERRATION
- 3 or 4 jaws
- Hydraulic oil supplied through the machine spindle wall
- HYDL-S Long Stroke
- HYND-S Ø180 400 mm
- HYDL-S Ø500 800mm



СС

- INCH SERRATION
- Stationary centering and
- dampening chuck
- 3 jaws
- Integrated dampener
- CC Ø240 470 mm



K / KA

- Self-centering Steady Rest PREMIUM LINE
- Compact design
- Integrated coolant / air flush Diameter measuring system or monitoring open via proximity
- switches
- Special sizes on request
- K 2 6.1 (range 25/180 to 215/510) • KA 7-7.1 (range 340/660 to 650/910)



KLU / KLU-A

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CCS

- Self-centering Steady Rest PREMIUM LINE
- Narrow arms for crankshafts
- Integrated coolant / air flush
- Diameter measuring system or monitoring open via proximity switches
- Special sizes on request
- KLU 215 429 (range 20/101 to 30-245)
- KLU-A 530-540 (range 70/293)





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GREASE

6657

- Grinding Steady Rest with fine adjustment of the center
- Horizontal and vertical fine adjustment of the grinding center
- Retractable Steady Rest arms
- Port for compressed air against
- dust and coolant Monitoring via proximity switches
- Ideal for follow down grinding



STP

- · Stationary chuck, pneumatic -Built-in pneumatic cylinder INCH SERRATION
- 3 jaws
- With through-hole • STP: Ø125 - 280 mm

- MANUAL CHUCK SWITCHING SYSTEM
- · Highest repeatability and change-over accuracy
- Automatic coupling of chuck in a single actuation
- Large through-hole
- Optical control for the locking
- status

Top jaws, T-nuts

· Hard top jaws

- Soft top jaws
- T-nuts

Special grease for manual and power chucks • K05 - Cartrige content 500g and Can content 1000g

- K67 Cartrige content 500g and Can content 1000g
- Grease gun for cartriges - also refillable from grease can

11



CHUCK SWITCHING SYSTEM / ACCESSORIES

 Self-centering Steady Rest PREMIUM LINE • Extra compact design Patented double cam system

 Integrated coolant / air flush Monitoring Steady Rest open via proximity switch

STATIONARY PORTFOLIO

All SMW-AUTOBLOK stationary products are dedicated to static work-holding for machining centers, milling machines, and special machines.



ZERO POINT SYSTEMS | APS 1.1



- Spring to close and TURBO function to increase the holding force

- Air cleaning of the clamping pin



APS 140

BASIC/PREMIUM SC/PREMIUM LIGHT/PREMIUM LIGHT SC

- Spring to close and TURBO function to increase the holding force
- 2-3 clamping jaws
- Air sensing to confirm pallet presence for automation applications (only PREMIUM SC)
- Stroke control SC for automation application
- Air cleaning of the clamping pin seat (not for BASIC)



- High quality steel (1.1730)
- · Fast and easy set-up · Visual control for open and turbo

Universal applicable with ASA

For vertical turning machining center

flanges or directly on the spindle nose

Air cleaning



APS 160

PREMIUM LIGHT SC

- Spring to close and TURBO function to increase the holding force
- 3 clamping jaws
- Air sensing to confirm pallet presence for automation applications
- Stroke control SC for automation application
- · Air cleaning of the clamping pin seat



APS 190

1.4

- PREMIUM SC/PREMIUM SC-6S
 - Spring to close and TURBO function to increase the holding force
 - 3 clamping jaws Air sensing to confirm pallet presence for automation
 - applications Stroke control SC for automation
 - application N.6 seats prepared to mount
 - pneumatics/hydraulics couplers (only PREMIUM SC-6S)



Spring to close and TURBO function

• 6 jaws locking of the clamping pin

Stroke control SC for automation

for the strongest and vibration free

to increase the holding force

Air sensing to confirm pallet presence for automation



Clamping pins

TYPE A CENTERING PIN

- Used for centering and clamping TYPE B REFERENCE PIN
- Used for reference and clamping TYPE C PULL-DOWN PIN ± 0.05mm
- Only for clamping
- TYPE C FLOATING PIN
- Floating ± 0.5mm



for 5-axis machining center

- · Ready for the most common machine table T-slots centerline
- Pre-assembled clamping unit with 4 pieces APS 140 Premium Light or Basic
- For 5-axis machining center
- Universal applicable
- · Fast and easy set-up



H60

- Specifically designed for ROTARY TABLES and small 5-AXIS MACHINES
- Pre-assembled clamping unit with 1 piece APS 140 Premium SC
- Universal applicable
- Fast and easy set-up
- Anti rotating protection
- Air cleaning
- For every unit the key (ld. No. 46162133) is included

H100

APS 250

PREMIUM SC

holding

applications

application

MODULE HEIGHT EXTENSIONS

- Pre-assembled module extension unit with 1 piece APS 190 Premium
- Universal applicable
- Fast and easy set-up
- Anti rotating protection
- Air cleaning
- For every unit the key (Id. No. 46162133) is included

WPS 1.7



for 5 AXIS machine

- · Ready for the most common machine table T-slots centerline
- Pre-assembled clamping unit with 5 pieces APS 140 Premium Light or Basic
- Universal applicable
- · Fast and easy set-up
- Specifically designed for Rotary Tables and small 5-axis machines



for 3 AXIS machine

- Pre-assembled clamping unit with 6 pieces APS 140 Premium Light or Basic
- Universal applicable
- · Fast and easy set-up



WPS Mini

- Mini workpiece positioning system
- · Mini version 40 mm diameter
- Manual quick actuation
- (270° rotation)
- Highest repeatability
- · Maximum pull-in and holding forces



H80/H120/H180

- Pre-assembled module extension unit with 1 piece APS140 Premium SC
- Universal applicable
- Fast and easy set-up
- Anti rotating protection
- Air cleaning
- For every unit the key (Id. No. 46162133) is included

WPS Max

Workpiece positioning system

Illy sealed - Ic

proofline®series

- Ideal for workpiece direct clamping
- Highest precision
- Single quick-actuation
- Opening / closing with only 3.5 rotations
- Maximal holding forces





2





τν

- Protected vise Ø100-160-200-250-315 (315 only Pneumatic vers.)
- Pneumatic / Hydraulic version NORMAL/LONG STROKE and
- **FIXED JAW**
- Air purge

4.2

proofline®series w.

Spring and air operated vise Ø125 (only

Springs to clamp, pneumatic to open

· Pneumatic jaw stroke control valve

• Turbo function to increase the

NORMAL/LONG STROKE

proofline® series



Protected vise Ø100-125-160-200-250 (250 only Hydraulic vers.)

- Protected against swarf and chips Pneumatic / Hydraulic version
- NORMAL/LONG STROKE and
- FIXED JAW
- Pneumatic jaw stroke control valve
- Air purge
- Air sensing

PRECISION MACHINE VISES

 Air purge Air sensing

5.1

STV-2 STV-3

2 jaws) 180-225

clamping forces

2 or 3 jaws



TOMBSTONES



- TOMBSTONES, ANGLE PLATES, PLATES AND SUBPLATES
- Wide range of standard
- Products and shortest delivery times
- Highest stiffness and anti-vibration design
- Best accessibility of the machine spindle to the workpiece
- · Highest accuracy and precision

TCi / MCi

PRECISION BENCH VISE

- · Quick pre-positioning for the movable jaw
- Pull down jaws with 1 serrated clamping side
- Jaws for SinterGrip clamping
- · Parallels quick change system CLAK
- Wide range of standard accessories
- Interface Zero point clamping
- system (optional)

TTi-2G

NC CLAMPING VISE

- · Mechanical precise power transmitter
- · Low maintenance sealed spindle
- Easy and quick cleaning
- Exact clamping force
- pre-adjustment (up to 11 steps) Standard jaw interface (Allmatic-interchangeable)

VCM

7.1

USC

WITH STROKE CONTROL

• Pneumatic static cylinder

· Can be equipped with different

Unit with static cylinder

With stroke control

• USC Ø140 - 260 mm

types of chucks

STATIONARY CHUCKS





Pneumatic and Hydraulic version

HB / PB

INCH SERRATION and

· Built-in hydraulic cylinder

• HB / PB Ø130 - 315 mm

TONGUE&GROOVE

• 2 and 3 jaws



HYDRAULIC CHUCK 2+2 JAWS CHUCK

- Digitized by integrated sensor
- Monitoring of different process
- parameters even during processing Non-contact power supply for sensors and signal output by



PT RR

Protected vise Ø160-200-250

- QUICK JAWS CHANGE
- Pneumatic / Hydraulic version
- Pneumatic jaw stroke control valve
- Long stroke
- Air sensing
- OD and ID clamping



NC CLAMPING VISE WITHOUT

POWER TRANSMITTER

High clamping forces

· Easy and quick cleaning

Huge range of accessories

GTX CHUCK

- Manual actuated
- For standard collets
- Highest repeatability
- Sensitive adjustment of clamping force

GTX Collects

- Collets for GTX
 - Round, square, hexagonal



Centco4 digit-HLW

Ø 750 MM

- technology
- - means of inductive couplers





AUTOMATION

All SMW-Autoblok automation products were born to answer customer needs of advancing automated production.

Our clamping solutions that see vises, pallets, and clamping units are designed to make production faster, more flexible, and safe.

In accordance with SMW-Electronics new lines of Automation products were born.



П **ZERO POINT SYSTEMS | APS** More APS details on the STATIONARY PORTFOLIO proofline® series APS 100 - 140 - 160 - 190 - 250 CLAMPING SYSTEM WITH 3 JAWS AT 120° STROKE CONTROL SYSTEM MAXIMUM RIGIDITY MAXIMUM ACCURACY TURBO FUNCTION **CLAMPING UNIT FOR MULTIPLE APS** WITHOUT INTEGRATED FEEDING ON MACHINE 2 or 3 FEEDINGS WITHOUT INTEGRATED FEEDING ON WITHOUT INTEGRATED FEEDING ON MACHINE (for ex. 3 axis machines) MACHINE (for ex. 3 axis machines) • 1 FEEDING: for 2/4 APS 140 BASIC • 2 FEEDINGS: for 2/4/6 APS 140E PREMIUM LIGHT/BASIC 3 FEEDINGS: for 2/4 APS 140E PREMIUM LIGHT SC **PRE-ASSEMBLED** CLAMPING UNIT FOR MULTIPLE APS More CLAMPING UNIT details on the STATIONARY PORTFOLIO for multiple APS with 2, 4, 5 or 6 APS 140 or SPECIAL

· Easy mounting on the machine table due to positioning holes



SAB-1 VALVE

DISTRIBUTOR



APS 100/140/ 190

WITHOUT INTEGRATED FEEDINGS (for example 3 axis machine) **PREPARATED** for 5-axis machines until 6 FEEDINGS



with APS INCLUDED

WITHOUT INTEGRATED FEEDINGS (for example 3 axis machine) **PREPARATED** for 5-axis machines until 6 FEEDINGS



SAB-1

2.2

The safety valve SAB-1 maintains air pressure in the cylinder pallet transportation / storage or machining without feed.



CUSTOMIZED

2.3

To be designed specifically for each machine until to 6 feedings (must be definied in case of order)

MEDIA FEED

2.5

MEDIA FEED WITHOUT INTEGRATED MACHINE FEEDINGS (for example 3 axis machines)



for Plate with 2 APS 140E

Tool holder shaft support

- · Works as a support even when a tailstock is not available
- Application on turret
- No coolant needed

3.1

Models available for all machines



for Plate with 4 APS 140E

- Tool holder shaft support
- · Works as a support even when a
- tailstock is not available
- Application on turret

ROTARY PLATE FOR ROBOT OR MANUAL

TOOLING FAST SET-UP ON TURNING WORK HOLDING

- No coolant needed
- Models available for all machines



2.6

5 AXIS 2-4-6 FEEDINGS

for plate with

- 4 APS 140 E PREMIUM LIGHT SC
- MEDIA FEED PREPARED FOR 4 COUPLERS (AT MAXIMUM)
- Couplers not included

ACCESSORIES 3.2



- Positioning accuracy < 0,005 mm
- 3 Pneumatic feedings (6 bar) available on pallet for automatic Rotary Plate+3 feedings



- 4 PNEUMATIC Feedings ROTATING MANIFOLD to use with standard RU 2-22 rotating joint
- 3 PNEUMATIC Feedings ROTATING MANIFOLD for APS modules Automatic operation

MAGNET PROTECTION COVERS

USE IN ROTATION ONLY WITH CLOSED APS

for APS 140 - 160 - 190 and 250



PP 125-160-200-250

PROTECTED - PNEUMATICS -HYDRAULICS. With steel body

- Tongue&Groove master jaws Stroke control jaws analogic continuous inductive sensor (optional)
- Pneumatic open/close stroke control master jaws valve (optional)
- Air sensing

4.3

- Possibility of rear and side feeding
- Normal and Long Stroke type



PL 64-80-100-125-160-200-250

PROTECTED - PNEUMATICS

- With aluminium body Stroke control jaws analogic continuous inductive sensor (optional)
- · Possibility of rear and side feeding
- PLS springs version to increase the clamping force in O.D.Clamping
- (optional) Pneumatic open/close stroke
- control master jaws valve (optional)



PL 320-380 RR

PROTECTED - PNEUMATICS - QUICK JAWS CHANGE. With aluminium body

- · Jaws prepared for the quick jaws change and fixed mounting of the iaw
- Stroke control jaws analogic continuous inductive sensor (optional)
- Possibility of rear and side feeding Pneumatic open/close stroke
- control master jaws valve (optional)



2PXS 64-80-100

SMALL SIZES UNIVERSAL 2-GRIPPERS With aluminium body

- PXS-N/L=normal/long stroke
- PXS-NS=normal stroke + springs
- PXS-LS=long stroke + springs
- PXS-..E/I=OD / ID clamping
- Stroke control types: continuous and ON/OFF analogic continuous and ON/OFF magnetic



3MN 64-80-100-125-160-200-

3-GRIPPERS 3MN 3PX

- PNEUMATICS PROTECTED
- · The pallets are prepared for handling with robot using the PPL vises and the corrisponding top jaws
- · Aluminium body to contain the gripper weight
- POSSIBILITY TO INSERT SPRING WORKSTOP
- MNS spring model only for OD cl.



3MN 320-380 RR

- IAWS CHANGE
- The pallets are prepared for handling with robot using the PPL
- vises and the corrisponding top jaws · Jaws prepared for the quick jaws
- change and fixed mounting of the jaw



3PXS 64-80-100

• PNEUMATICS - PROTECTED - QUICK SMALL SIZES UNIVERSAL 3-GRIPPERS With aluminium body

- 3PXS-N/L=normal/long stroke 3PXS-NS=normal stroke + springs
- 3PXS-LS=long stroke + springs 3PXS-..E/I=OD / ID clamping

continuous and ON/OFF magnetic

Stroke control types: continuous and ON/OFF analogic



3PXM 125-160-200

MEDIUM SIZES UNIVERSAL

- 3-GRIPPERS. With aluminium body
- 3PXM-N/L=normal/long stroke
- 3PXM-NS=normal stroke + springs 3PXM-LS=long stroke + springs
- 3PXM-..E/I=OD / ID clamping
- Stroke control types:
- continuous and ON/OFF analogic continuous and ON/OFF magnetic

6.1

MX-S 50

2 fingers parallel

• IO-Link / Digit IO

Mechanical self locking

• IP40 Protection class

250

MECHATRONIC GRIPPERS



• UNIVERSAL SMALL GRIPPERS



UNIVERSAL MEDIUM GRIPPERS

MX-M 80

2 fingers parallel

IO-Link / Digit IO

Mechanical self locking

IP64 Protection class



MX-L 320/520

- UNIVERSAL LARGE GRIPPERD
- Long stroke gripper
- 2 fingers parallel
- Profinet / EthernetIP
- · Mechanical self locking and
- additional engine brake
- IP67 Protection class



NGERS

18



ACCESSORIES 4.2



PNEUMATIC VALVE (optional)

The pneumatic open/close stroke control valve signals the locking jaws end-of-stroke positions, both in fully open and fully closed positions.



FINGERS/TOP JAWS

FOR PP-L VISES AND 2PX GRIPPERS



- A6 +

2PXM 125-160-200

MEDIUM SIZES UNIVERSAL 2-GRIPPERS. With aluminium body

- PXM-N/L=normal/long stroke
- PXM-NS=normal stroke + springs
- PXM-LS=long stroke + springs
- PXM-..E/I=OD / ID clamping
- Stroke control types: continuous and ON/OFF analogic continuous and ON/OFF magnetic

LARGE SIZES UNIVERSAL 2-GRIPPERS With aluminium body

- PXL-N/L=normal/long stroke
- PXL-NS=normal stroke + springs
- PXL-LS=long stroke + springs
- PXL-..E/I= clamping

 Stroke control types: continuous and ON/OFF analogic continuous and ON/OFF magnetic





F100 ETH / 2IOL

INDUCTIVE COUPLING SYSTEMS FOR ENERGY AND SIGNALS

- Energy transmission 75W (24V) Signal transmission Ethernet 100 Base-T or 2x IO-Link (COM 1, COM 2, COM 3)
- IP67 Protection class

F180 ETH

- INDUCTIVE COUPLING SYSTEMS FOR ENERGY AND SIGNALS
- Energy transmission 240W (24V) / 400W (48V)
- Signal transmission Ethernet 100 Base-T
- IP67 Protection class



SLX digit

- Vises for automation applications
- Digitized vise (hydraulic)
- Monitoring of the jaw position
- Automated jaw change
- Hydraulic operation



SLX e-motion

- Vises for automation applications
- Mechatronic long stroke vise
- Mechatronic clamping drive
- Monitoring of the clamping force and jaw position
- · Pre-positioning and clamping force preadjustment
- High-Low clamping

7.1

AT-PM FAST AND QUICK CHANGE OF CHUCKS ON THE LATHE

AT-PM 200/170 снискя Ø 170 - 210 - 260

Technical features







DOUBLE PISTON CYLINDERS

AT-PM double piston cyilinder

- ATPM actuation + TS or AP chucks
- ATPM actuation + collects
- With 4 safety valves ATPM control Pallet positioning accuracy
 - < 0,005 mm

8.1

Balancing 6.3

ONE APS PALLET

Applications/Customer benefits QUICK CHUCKS CHANGE ON LATHE

· Quick chucks change available diameter on lathe

· Hardened materials for high accuracy and durability

AT-PM operation with hydraulic double cylinder

· Air sensing function for pallet positioning

• Pallet positioning accuracy pallet < 0,005 mm

· Quick connection to double cylinder between automatic feeding







Round semifinished Pallet

- Induction-hardened material
- · The pallets are prepared for handling with robot using the PPL vises and the corrisponding top jaws

Pallet for manual chucks

- Induction-hardened material • The pallets are prepared for handling with robot using the PPL vises and the corrisponding
- top jaws
- SUITABLE WITH DIN 702/4

Manual vises Pallet holder

- Hardened and tempered material
- The pallets are prepared for handling with robot using the PPL vises and the corrisponding top jaws



Two parts Pallet

 Induction-hardened material The pallets are prepared for handling with robot using the PPL vises and the corrisponding top jaws

MULTIPLE CLAMPING PALLET 8.3



Q400 for manual chucks

PALLET PREPARED FOR MOUNTING SGSF CHUCKS

- Clamping Pallet Q400 prepared for Chucks 200-250-315 SGSF Handling Robot
- PALLET PREPARED FOR MOUNTING **HG-N CHUCKS**
- Pallet Q400 + Mounting D220
- Autc 260HG Loading Robot
- Pallet Q400 + Mounting D300 Autc 315HG Loading Robot
- Pallet Q400 + Mounting D380 Autc 400-500HG Manual Loading



Q400-MC150X200 / TCT150X200

PREPARED FOR N.1 OR 2 VISES • The pallets are prepared for

handling with robot using the PPL vises and the corrisponding top jaws



Q400 - STV 180-225

PALLET WITH 4 FEEDINGS • 4 APS 140 CLAMPING PALLET STV HOLDER



Q400 - STV 125

PALLET WITH 4 FEEDINGS 4 APS 140 MULTIPLE CLAMPING PALLET HOLDER N.4 125 STV

LPS 4.0 KIT (OPTIONAL) 7.3







LPS 4.0 Kit

- kit for DCE-4V 64/64
- kit for DCR-4V 60/100
- kit for DCR-4V 90/160



- kit for DCE-4V 64/64
- kit for DCR-4V 60/100 • kit for DCR-4V 90/160

Rotary union RU-1-16

• rotary union for 1 medium RU-1-16





Hardened and tempered material

• The pallets are prepared for

handling with robot using the

PPL vises and the corrisponding



STV Pallet holder

Hardened and tempered material

PPL vises and the corrisponding

• The pallets are prepared for handling with robot using the

MATSUURA E MAZAK

WITH SAB-1

top jaws

• A - for APS 140

• B - for APS 190

• C - for mounting on



STV Pallet holder

WITH FEEDINGS

- · Hardened and tempered material
- The pallets are prepared for handling with robot using the

PPL vises and the corrisponding top jaws



Semifinished pallet - 2/4/6

- MULTIPLE CLAMPING PALLET WITH 2 APS 140
- BASIC / PREMIUM version • MULTIPLE CLAMPING PALLET
- **WITH 4 APS 140**
- BASIC / PREMIUM version
- MULTIPLE CLAMPING PALLET **WITH 6 APS 140**
- BASIC version

9

Pallet-88

top jaws

STORAGE AND LOADING STATION



STORAGE WAREHOUSE

• FOR SINGLE PALLET Prepared for n.3 D350 max pallet for every plan

 FOR PALLET Q400 Prepared for n.2 pallet 500x500 for every plan



SINGLE PALLET

SINGLE PALLET STORAGE PLANS · Chucks switching plan on the lathe • 3 / 4 VISES

- PALLET Q400 AND VISES STORAGE PLANS
- 125IMG e 160IMG vises plane



LOADING STATION 500-750

- D500: with one rotating unit casing a pallet D350 MAX with APS 190 pin mounting
- D750: with a rotating unit Q400 4 APS wheelbase 200



ROBOTIZED AREA

- Storage warehouse
- Storage casing
- Plane kit
- Loading station
- Jaws kit

SMW-electronics

SMW-Autoblok has evolved from a hardware producer of high-precision work-holding to a turn-key supplier of hardware, software, and electronic components.







Inductive Coupler F100

 Non-contact transmission of energy and signals

Inductive Coupler for Smart Tool Holder

 Non-contact transmission of energy and signals



Pallet Coupler F100/66

 Non-contact transmission of energy and signals



Ultrasonic Sensor USP 4.0

Non-contact ultrasonic measuring system

2 DIGITALIZATION + CLAMPING





SLX e-motion

• Electromechanical long stroke vice

proofline® series

and the second

• Digitalized 4-jaw chuck with

hydraulic actuation

Centco4 digit



CC e-motion

Electromechanical 4-jaw chuck





ZeroAct e-motion

 Clamping station with electromechanical zero point system





Digital products and Linear positioning system

2

NEW TYPES OF CLAMPING SYSTEMS

1- CONVENTIONAL:

- Manual, pneumatic or hydraulic actuation
- Without digitization
- Safety: Pressure control, self-locking

2- HYDRID:

- Manual, pneumatic or hydraulic actuation
 Digitized with inductive couplers for end position control, pressure control, clamping force control, e-sensing, stroke monitoring
- e-sensing, stroke monitoring • Safety: End position control, pressure control, stroke control, self-locking

3- ELECTRIC:

- Electromechanical drive
- Digitized as the hybrid systems
- Safety: As in the hybrid systems with additional motor brake
- +

DIGITALIZATION LEVEL

HIGH PRECISION EXPANDING MANDRELS FOR FINISHING OPERATIONS





Self clamping Mandrels

• run-out inspection, centering

mounting between centers or

Expanding Mandrels for mounting between centers

grinding, balancing, inspection operations

- mounting between centers

1

manual actuation
 large clamping range Ø8 to 235 mm
 expansibility until 5 mm
 manual actuation
 inside clamping smooth or spline
 high accuracy concentricity ≤ 3µm



flange manual actuation

Expanding Mandrels with spindle morse taper mounting type

- turning, milling, grinding, hobbing
 spindle morse taper mounting
 automatic or manual actuation

- clamping range Ø 5,5 to 82,7 mm
 expansibility until 2 mm



Expanding Mandrels for flange mounting with pull-down sleeves

- turning, milling, grinding
- flange mounting
- automatic actuation
- clamping range Ø 5,5 to 15 mm
- expansibility 0.5 mm



Expanding Mandrels for flange mounting with pull-down segment sleeves

- turning, milling, grinding
- flange mounting automatic or manual actuation
- clamping range Ø 18 to 131 mm
 expansibility until 1 mm



Hydraulic membrane chucks or mandrels

- · hard turning, grinding , shaving,
- centering spindle nose attachment or in between centers
- automatic or manual actuation · internal or external clamping smooth
- with one or further membranes
- high accuracy with concentricity ≤ 5µm
 Proofline: total sealing mandrels

Quick workholding change system

- turning, grinding applications
- spindle nose attachment
- automatic or manual actuation
- high accuracy with concentricity \leq 5 μm



Expanding Mandrels and special chucks for finishing operation

- sliding jaws mandrels double taper sleeve
- segments mandrels



TOBLER

SMW-Autoblok Tobler products are the most complete range of expanding and special chucks in the workpiece clamping market.

Tobler, an industry specialist in high precision, highquality workpiece gripping systems for all inter and outer clamping joined SMW-AUTOBLOK in June 2020.



High precision expanding mandrels for finishing operations

1





SPECIAL APPLICATIONS PETACCIATO

All Autoblok Petacciato special solutions are designed as special equipment and machinery for clamping on machine tools, special chucks, and static solutions with standard chucks.

SPECIAL EQUIPMENT





Automotive -Water Pump

1

Automotive -Shaft

2 SPECIAL CHUCKS





Industry -Locking Turbine

Industry -Horizontal Machining Center

3 STATIC SOLUTION WITH STANDARD CHUCKS





Compressor -Shell Compressor -Crankshaft

4 SPECIAL SOLUTIONS





Railway -Wheel Aerospace -Ring





SPECIAL APPLICATIONS TELBROOK

A DESIGN & MANUFACTURING SERVICE FOR CUSTOMERS WITH BESPOKE REQUIREMENTS.









Convex or Concave Shapes



SPECIAL TOMBSTONES



Vacuum Fixtures



Stator Blade Turning Fixtures





For Complex Geometry



Slot Machining Fixtures



Special Centralising Fixtures



Precision Ground Fixtures Baseplates



Manual Clamping Fixtures



Special Chuck Fixtures

MACHINE TOOLS WORKHOLDING

All these systems are permanent electro-systems, this means that they need energy only during the clamping and unclamping process. No energy consumption, no heat, no risk of losing the workpiece during machining

1.1 Milling

- Innovative patented technology with monoblock steel frame.
- Without any presence of epoxy resin, meets the best features of clamping force, accuracy, and service life.



1.2 Turning

- The Radial Pole offers a clamping system without no deformation and with 3 free faces for machining.
- The use of mobile extensions guaranties plane and parallel surfaces.
- IN THE IMAGE: MHC Hybrid Magnetic Solution with mechanical selfcentering system.



1.3 Grinding

1.4 EDM

- . 2 mm.
- A safe clamping system for grinding parts of thickness starting from
 water-tight to clamp the
- With a perfect demagnetization.
- workpieces during the erosion.



2

HAND CONTROLLED **MAGNETIC LIFTERS**

Complete line with capacity 125 - 2000 Kg. Their compact size and low weight maximize the crane capacity.

The monoblock structure is machined with high-precision details to ensure maximum magnetic efficiency and operational reliability. Different types for load with regular and reduced thickness.



MaxX 125-2000

MaxX TG 150-300

TECNOMAGNETE

SMW-Autoblok's new Mag-Autoblok Tecnomagnete division includes a full line of permanent electromagnetic chucking systems for quick and flexible work-holding on horizontal and vertical milling machines, vertical turning centers, FMS systems, grinding machines, EDM, etc. A full line of magnetic lifters for loading and unloading

workpieces is also offered.





LIVE-TOOLING PORTFOLIO

SMW-Autoblok has been developing, designing, and manufacturing static and rotating holders, used by customers worldwide.

A wide range of high-precision and reliable products, manufactured with advanced machines and technologies, severely tested and certified.



STATIC HOLDERS





TH CUT CUTTING TOOL HOLDER

1

TH AX AXIAL TOOL HOLDER

QUICK CHANGE HOLDER





TH-RAD POLYGONAL SHANK

LT-A

4

LT-A HSK

3.2 ANGULAR TOOL HOLDER FOR MOTORIZED TURRETS



TOOL HOLDER ANGLE 90°



LT-A OFS / DBL ANGLE 90° TOOL HOLDER OFFSET TOOL HOLDER DOUBLE OFFSET

SLOTTING TOOL

SLOTTING TOOL Machining speed up to 700 strokes/min. Ratio in-out 1:1 With/without Y axis adjustment. Several star-type turrets included in our program. Standard and customized special insert-holders.



SLOTTING TOOL 90°

28

QUICK CHANGE HOLDER 2









TH BRB **BORING BAR HOLDER**

3.1

LT-S

TOOL HOLDER STRAIGHT

TH RAD RADIAL TOOL HOLDER

LT-S POLYGONAL SHANK

LT-A POLYGONAL SHANK

STRAIGHT TOOL HOLDER FOR MOTORIZED TURRETS

LT-S2



TOOL HOLDER DOUBLE STRAIGHT



LT-S OFS TOOL HOLDER STRAIGHT OFFSET



LT-S2 OFS TOOL HOLDER DOUBLE STRAIGHT OFFSET

LT-A2 V TOOL HOLDER ANGLE 90° DOUBLE VERTICAL



TOOL HOLDER ANGLE 90° DOUBLE HORIZONTAL



LT-A α° SPECIAL FIX ANGLE HOLDER



LT-T TOOL HOLDER TILTABLE

STEADY REST AND SUPPORTS

5

HOBBING TOOL

HOBBING TOOL 100% Plug & Play. Patented hexagonal transmission. Highest rigidity and accuracy. Direct mounting on turret. Speed max. 6000 rpm/min. Available with different transmission ratio. Shafts available in various sizes. Qualified post-sales assistance.



LT-HOB-SAW

HOBBING / SAW



STEADY REST

6

SELF-CENTERING STEADY REST FOR TURRET

• Plug & play without cable connection

- Arms opening by spring system
 Arms closing by coolant or air system
- Highest rigidity and accuracy



SHAFT SUPPORT

TOOL HOLDER SHAFT SUPPORT · Works as a support even when a tailstock is not available

- No coolant needed
- Customized clamping dimensions
 Models available for all machines

proofline[®] series fully sealed – low maintenance

Advantages of the fully sealed chucks





MAIN OUR CATALOGS







All SMW-Autoblok official videos:



SOME OF OUR VIDEOS





QUICK CHANGE JAWS KIT-RR

KNCS-2G





APS

TWIN VISE



AUTOMATION



SMW-electronics MotionAct -360°rotation



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