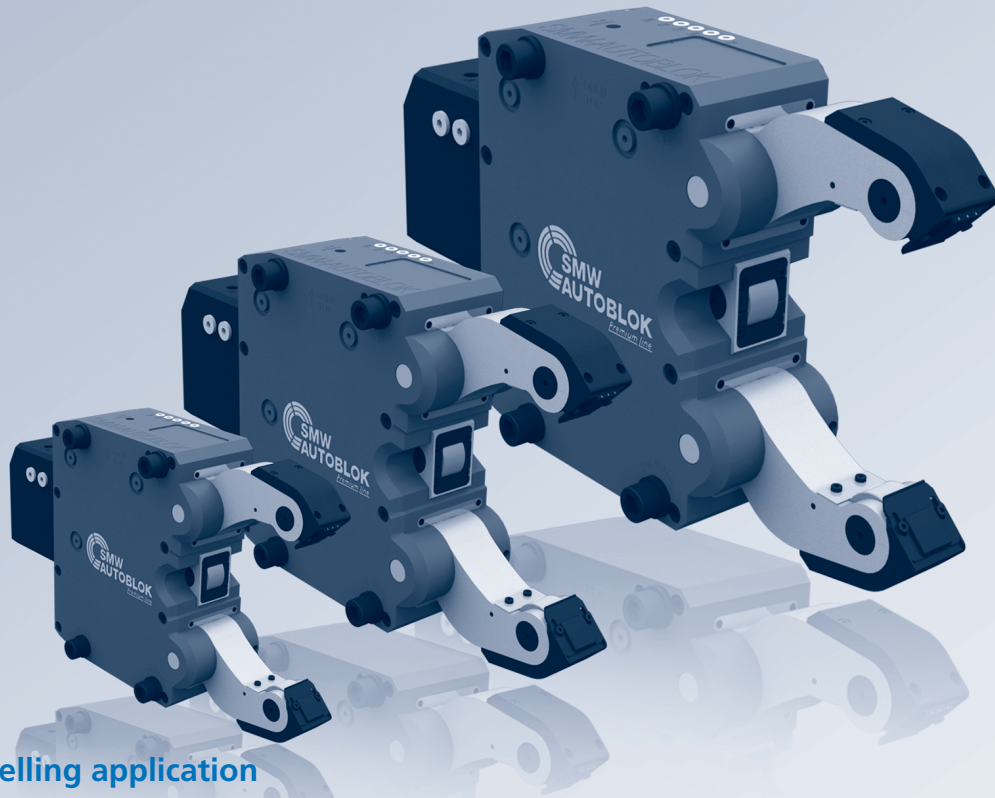
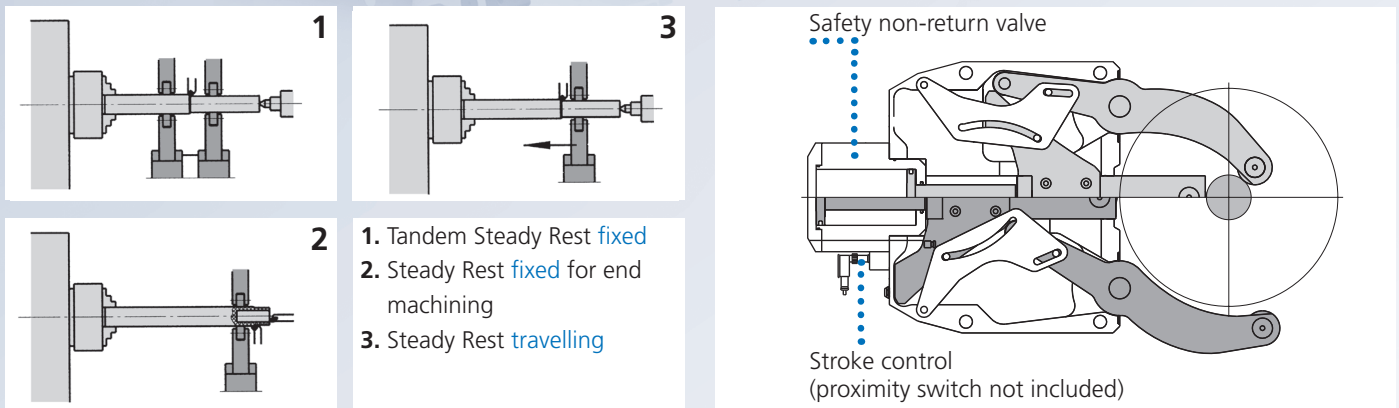


SMW-AUTOBLOK

worldwide leader in Steady Rests



Fixed or travelling application



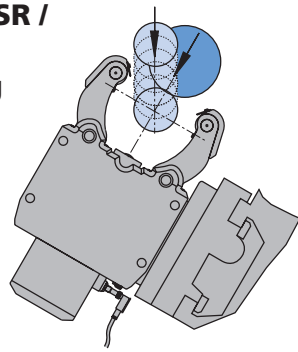
1. Tandem Steady Rest **fixed**
2. Steady Rest **fixed** for end machining
3. Steady Rest **travelling**

Features included in standard range

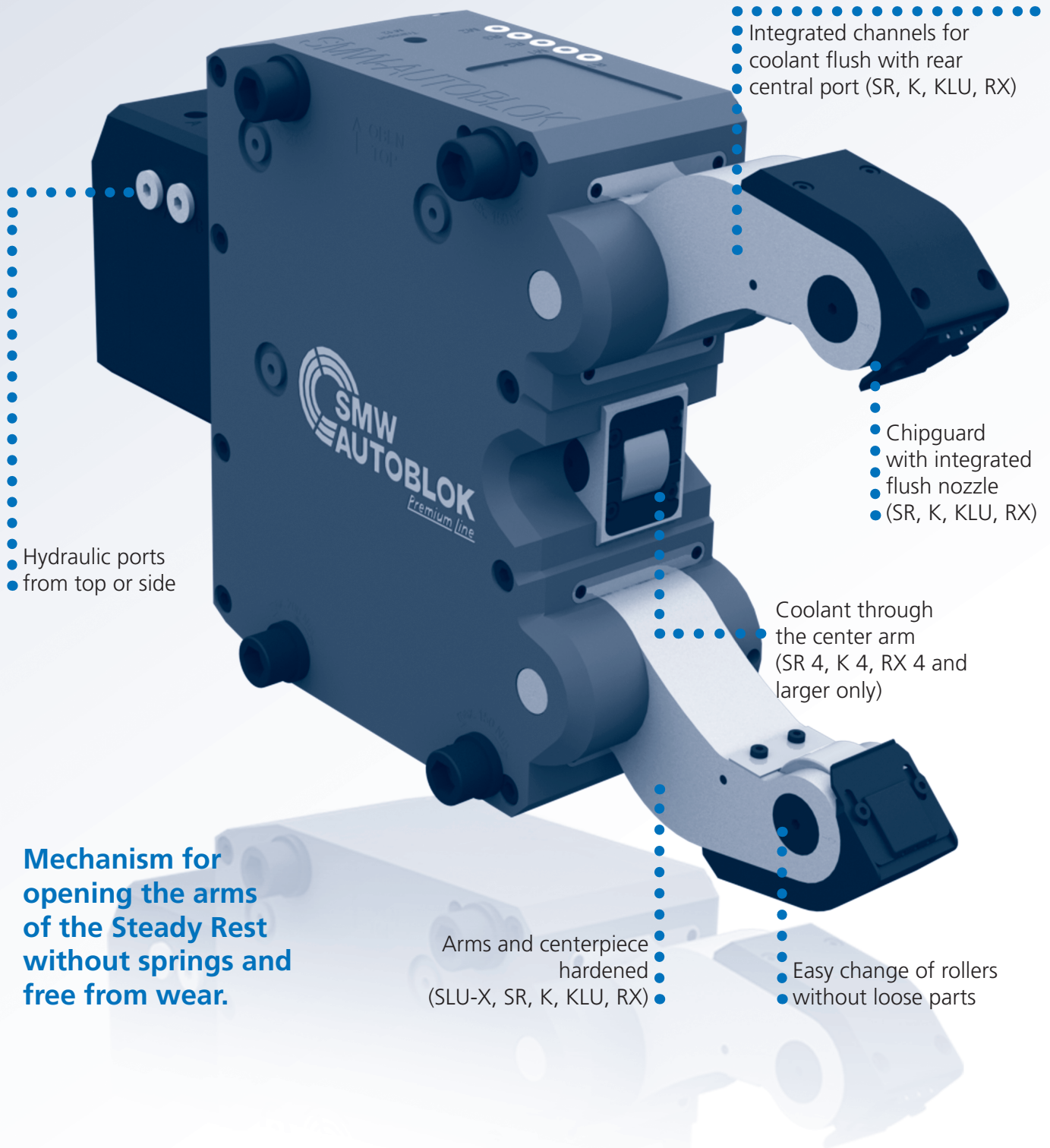
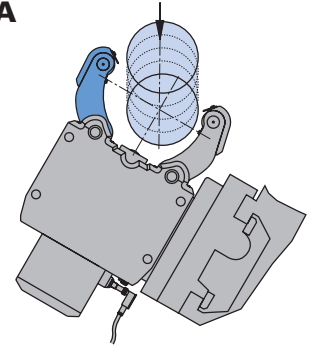
| Steady Rest Type | Standard Line | | Basic Line | Premium Line | | | | | |
|---|---------------|-----------------|------------|--------------|-------|-------|----------|---------------|---------|
| | SLU-X | SLUB, SLUB-A | | SR | SRA | SR-CL | K, KA | KLU, KLU-A | RX |
| Steady Rest Size | 1 - 5.1 | 3 - 6 | 1 - 6 | 2 - 6 | 2 - 6 | 4 - 6 | 3 - 7.1 | 215 - 540 | 2 - 6.1 |
| Sealed body | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Safety valve | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Stroke control (proximity switch not included) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 1 set swarf guard 3-piece | ■ | ■ | ■ | | | | | | |
| 1 set swarf guard with integrated coolant flush | | | | ■ | ■ | ■ | ■ | ■ | ■ |
| 1 set cylindrical rollers | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Port for compressed air | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Port for coolant through arms incl. chipguard | | | | ■ | ■ | ■ | ■ | ■ | ■ |
| Toolbox | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | ■ |

SLU-X® · SR® · K · KLU · RX

**SLU-X / SLU / SR /
K / KLU / RX**
large clamping
range



SLU-A / SRA / KLU-A / KA
additional pivoting
upper arm
for automatic vertical
loading



- Integrated channels for coolant flush with rear central port (SR, K, KLU, RX)

- Hydraulic ports from top or side

- Chipguard with integrated flush nozzle (SR, K, KLU, RX)

- Coolant through the center arm (SR 4, K 4, RX 4 and larger only)

Mechanism for opening the arms of the Steady Rest without springs and free from wear.

- Arms and centerpiece hardened (SLU-X, SR, K, KLU, RX)

- Easy change of rollers without loose parts

SLU-X[®]
SLUB / -A

SLU
SLU-A

SR[®] / -CL
SRA

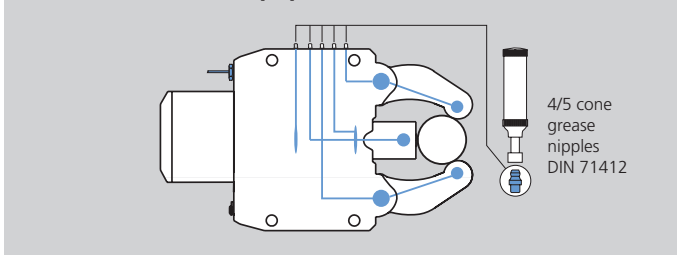
KLU / -A
K / KA

RX

Option of manual lubrication (M) (all types)

- Low cost solution for medium working conditions and low build up of swarf.
- The lubrication points and rollers are supplied with lubrication grease via the grease nipples and the grease gun.
- Lubrication intervals depending on the working conditions normally every 4 to 8 operating hours.
- Grease: KPE 2R-20 DIN 51502.

Manual lubrication (M)



Option of central oil lubrication (Z) (all types)

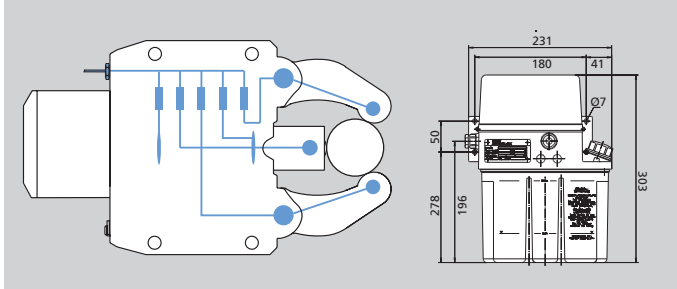
- For heavy working conditions and high build up of swarf.
- For travelling Steady Rest applications.
- The use of our separate complete lubrication unit with timer control is recommended.
- Lubricating intervals 5 - 20 min.
- Min. / max. operating pressure 10 / 45 bar.
- Oil: Viscosity of 46 mm² / s (viscosity class ISO).

Central lubrication oil (Z)

Centralized lubrication G 1/8"

Lubrication unit oil

Id. No. 088707



Option of central lubrication oil + air (OLD) (all types)

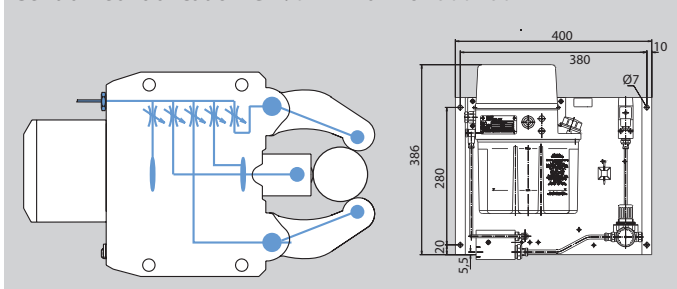
- For heaviest cutting conditions with high built up of swarf, dust or coolant.
- The SMW-AUTOBLOK oil + air unit for lubrication with built-in timer control is mandatory.
- This unit injects oil for lubrication into the air hose in adjustable intervals (1 - 4 min.).
- The permanent air flow (min. 3 bar) feeds the oil to the rollers and keeps them clean.
- Oil: Viscosity of 46 mm² / s (viscosity class ISO).

Oil + air lubrication (OLD)

Centralized lubrication G 1/8"

Lubrication unit oil + air

Id. No. 088708

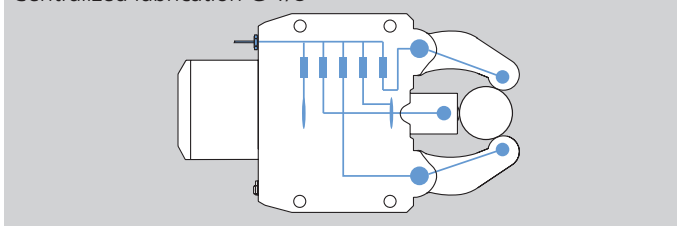


Option of central grease lubrication (F) (not SLU / SLU-A / SLUB / SLUB-A)

- For machines with central grease lubrication.
- For application and intervals please follow the instruction of the machine maker.
- Min. / max. operating pressure 30 / 45 bar.
- Grease: NLGI class 0 or 1.

Central grease lubrication (F)

Centralized lubrication G 1/8"



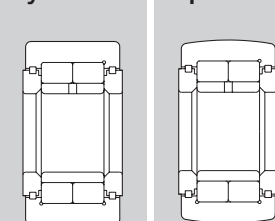
Option of rollers (all types)

- SMW-AUTOBLOK rollers (precision class P05) specially developed for our Steady Rests.
- Special sealing ensures highest precision and service life.
- Standard equipment: 1 set of cylindrical rollers.
- Option: Spherical rollers (for travelling Steady Rests), synthetic material rollers, carbide rollers.

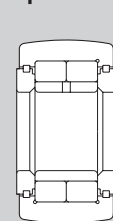
Original SMW-AUTOBLOK roller



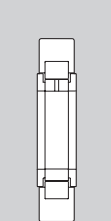
cylindrical



spherical



narrow



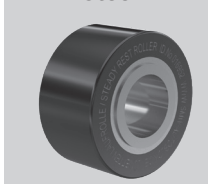
Rollers (all types)

- Rollers steel (standard): Surface of workpiece not hardened.

Available optional materials:

- Rollers synthetic material: Surface of workpiece polished or chrome plated.
- Rollers carbide: Surface of workpiece hardened.

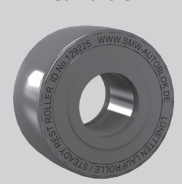
Rollers steel



Rollers synthetic material



Rollers carbide



SLU-X®
SLUB / -A

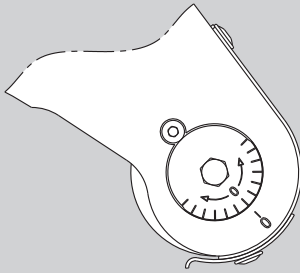
SLU
SLU-A

SR® / -CL
SRA

KLU / -A
K / KA

RX

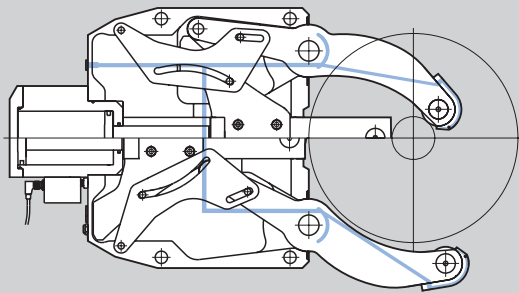
Eccentric fine adjustment



Option fine adjustment of center line (all types)

- Eccentric roller pins on the two Steady Rest arms allow a quick fine adjustment of the center line.
- Therefore no need to unlock and adjust the entire Steady Rest on the bracket for small adjusting movements.
- Adjustment of open Steady Rest only!

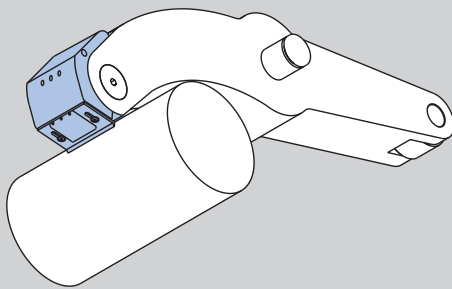
Coolant / air feed



Coolant / air feed (SR / K / KLU / RX only)

- Built-in channels to feed coolant or air from a central connecting port to the Steady Rest arms.
- Basic equipment for SR / K / KLU / RX Steady Rests.
- From size SR-4 / K4 and larger with coolant through the center arm.

Chipguard coolant / air



Patented coolant / air chipguard with integrated flush nozzles (SR / K / KLU / RX only)

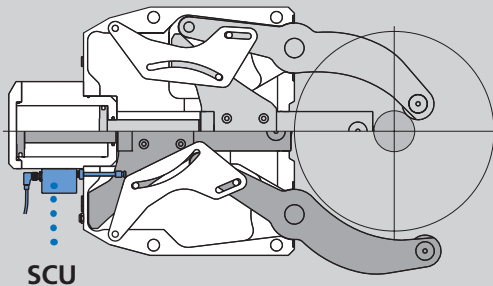
- Keeps roller clamping area free from chips.
- The patented double flush nozzles keep front and rear of the wiper area clean.

Only for Steady Rests with coolant / air feed

Benefit:

- Constant centering accuracy.
- No damage of workpiece and rollers caused by chips / swarf.
- Less roller consumption = less costs.

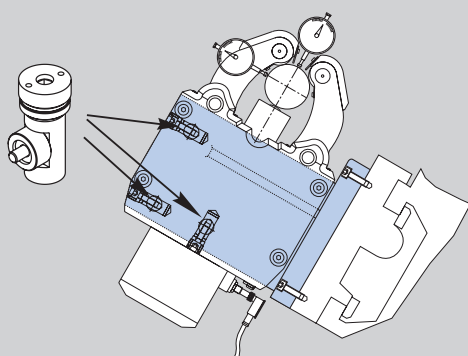
SCU diameter measuring system



Option linear diameter measuring system SCU (not SLU, SLUB, SLU-A, SLUB-A)

- The position of the clamping arms is monitored by the linear measuring system SCU.
- Avoids collision with workpieces, turret, loader etc.
- Reduced cycle time due to position controlled opening of the arms to the requested opening only.
- Power supply SCU: In: 24 V Out: 4 - 20 mA

Steady Rest bracket with adjustment device



Steady Rest bracket

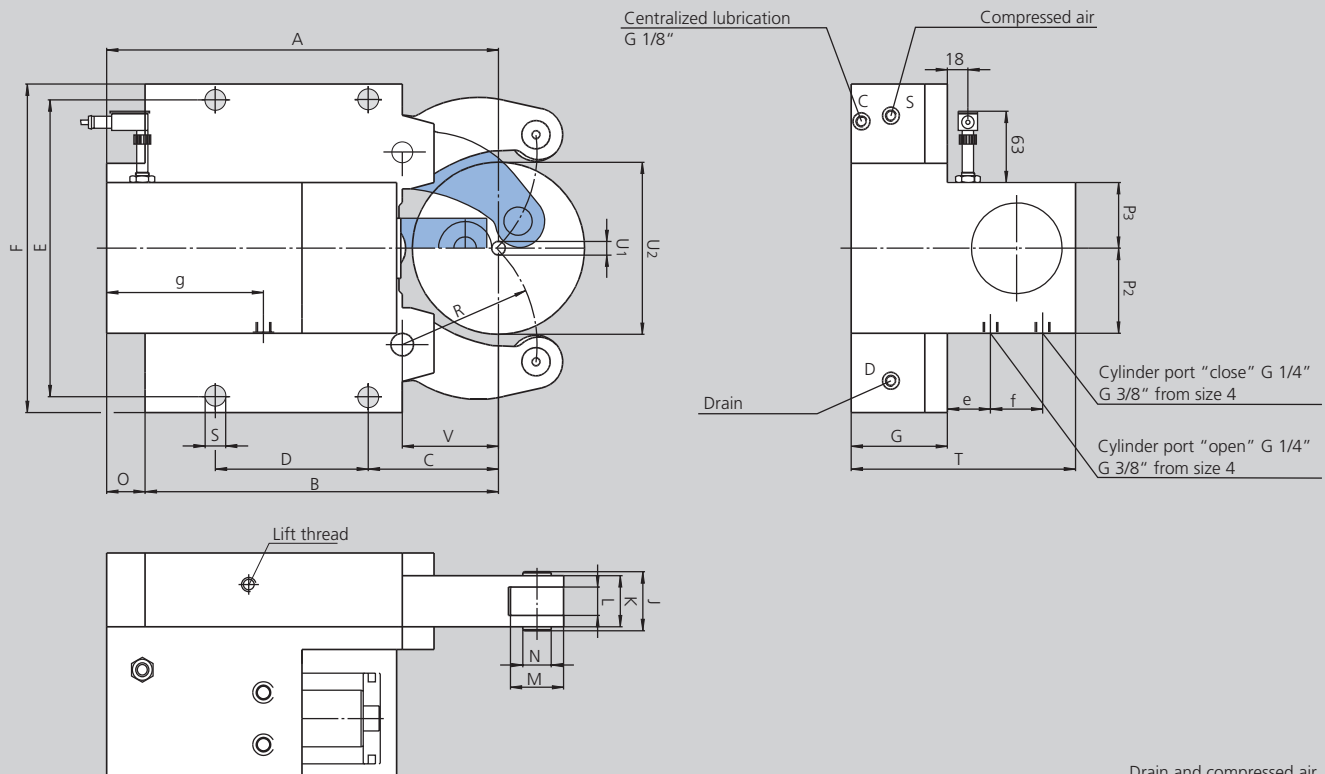
- A suitable bracket is very important for the function / precision of the Steady Rest.
- Fast and easy adjustment can be done with the SMW-AUTOBLOK **adjustment device** integrated into the bracket.
- SMW-AUTOBLOK supplies the correct bracket for all applications as a turnkey solution.

SLUB

Extra compact with side mounted cylinder

Self-centering Steady Rests
Standard line

- Monitoring open / closed via proximity switch
- Special sizes on request



Subject to technical changes.
For more detailed information please ask for customer service.

Drain and compressed air
G 1/8" up to size 3.2
G 1/4" from size 4

| SMW-AUTOBLOK Type Size | | SLUB 3 | SLUB 3.1 | SLUB 3.2 | SLUB 4 | SLUB 5 | SLUB 5.1 | SLUB 6 |
|---|-----------------|-----------|-------------|-------------|-----------|-----------|-------------|-----------|
| Centering range without chip guard | U1 | 12 | 20 | 50 | 35 | 50 | 90 | 125 |
| | U2 | 152 | 165 | 200 | 245 | 310 | 350 | 460 |
| Centering range with chip guard 3-piece | U1 | 14 | 20 | 50 | 35 | 50 | 90 | 125 |
| | U2 | 152 | 165 | 200 | 245 | 310 | 350 | 460 |
| | A | 346 | 354 | 372.5 | 480 | 612.5 | 632.5 | 800 |
| | B | 312 | 320 | 335 | 448 | 510 | 530 | 709 |
| | C | 115 | 123 | 138 | 146 | 178 | 198 | 215 |
| | D | 135 | 135 | 135 | 240 | 270 | 270 | 330 |
| | E | 262 | 262 | 262 | 365 | 400 | 400 | 610 / 640 |
| | F | 290 | 290 | 290 | 400 | 440 | 440 | 680 |
| | G | 85 | 85 | 85 | 110 | 145 | 145 | 145 |
| | J | 52 | 52 | 52 | 67 | 83 | 83 | 83 |
| | K | 45 | 45 | 45 | 60 | 75 | 75 | 75 |
| Width of rollers | L | 25 | 25 | 25 | 25 | 29 | 29 | 29 |
| Diameter of rollers | M | 47 | 47 | 47 | 52 | 62 | 62 | 80 |
| Diameter of collars | N | 25 | 25 | 25 | 32 | 36 | 36 | 42 |
| | O | 34 | 34 | 37.5 | 32 | 102.5 | 102.5 | 91 |
| | P2 | 75 | 75 | 75 | 68 | 85 | 85 | 100 |
| | P3 | 58 | 58 | 58 | 68 | 85 | 85 | 85 |
| | R | 119 | 124 | 139 | 172 | 209 | 229 | 290 |
| | S | 18 | 18 | 18 | 23 | 23 | 23 | 27 |
| | T | 198 | 198 | 198 | 243.5 | 325 | 325 | 350 |
| | V | 85 | 93 | 103 | 128 | 160 | 180 | 175 |
| | e | 38 | 38 | 38 | 38.5 | 79.5 | 79.5 | 74.5 |
| | f | 46 | 46 | 46 | 66 | 66 | 66 | 96 |
| | g | 138.5 | 138.5 | 138.5 | 190 | 261 | 215 | 334.5 |
| Piston area* | cm ² | 50 | 50 | 50 | 78 | 78 | 78 | 132 |
| Operation pressure min. / max. | bar | 8 / 60 | 8 / 60 | 8 / 60 | 8 / 60 | 8 / 80 | 8 / 80 | 8 / 70 |
| Max. clamping force / roller | daN | 1000 | 1000 | 1000 | 1500 | 2000 | 2000 | 3000 |
| Centering accuracy within the whole range | mm | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.06 | 0.06 |
| Repeatability accuracy | mm | 0.007 | 0.007 | 0.007 | 0.007 | 0.01 | 0.01 | 0.01 |
| Max. roller surface speed | m/min. | 725 | 725 | 725 | 715 | 600 | 600 | 560 |
| Weight approx. | kg | 45 | 46 | 48 | 106 | 175 | 178 | 483 |

* On request cylinder differing from standard available.
Subject to technical changes!













- Ordering review
- Accessories
- Wearing parts

SLUB Steady Rest with stroke control Steady Rest open / closed via proximity switch (without proximity switch)

| Steady Rest size | | 3 | 3.1 | 3.2 | 4 | 5 | 5.1 | 6 |
|--|---------|--------|--------|--------|--------|--------|--------|--------|
| SLUB-M Manual lubrication | Id. No. | 029865 | 029866 | 227695 | 029867 | 029868 | 029909 | 029869 |
| SLUB-Z Central lubrication oil | Id. No. | 029855 | 029856 | 123929 | 029857 | 029858 | 029908 | 029859 |
| SLUB-OLD Central lubrication oil + air | Id. No. | 029875 | 029876 | 228024 | 029877 | 029878 | 029910 | 029879 |

Type SLUB

◆ means wearing parts, recommended stock items

| Steady Rest size | | 3 | 3.1 | 3.2 | 4 | 5 | 5.1 | 6 |
|---|---|--------|--------|--------|--------|--------|--------|---------------|
| Compact lubrication system for oil pressure lubrication Container 2.7 l, 220 V *,** |  | 088707 | 088707 | 088707 | 088707 | 088707 | 088707 | 088707 |
| Compact lubrication system for oil & air lubrication Container 2.7 l, 220 V *,** |  | 088708 | 088708 | 088708 | 088708 | 088708 | 088708 | 088708 |
| Eccenter fine adjustment compl. at lever arm (2 pcs. per Steady Rest) |  | 018437 | 018437 | 018437 | 018444 | 018450 | 018450 | 026595 |
| Inductive limit switch |  | 087926 | 087926 | 087926 | 087926 | 087926 | 087926 | 087926 |
| Swarf guard (3-pieces) |  ◆ | 026117 | 026117 | 026117 | 026118 | 026119 | 026119 | 026597 |
| Roller stripper (2-pieces) for middle piece |  ◆ | 029797 | 029797 | 029797 | 029798 | 029799 | 029799 | 029800 |
| Rollers cylindrical design |  ◆ | 016951 | 016951 | 016951 | 016953 | 018345 | 018345 | 026594 |
| Rollers spherical design |  ◆ | 018433 | 018433 | 018433 | 018443 | 019545 | 019545 | 121302 |
| Rollers synthetic material*** |  ◆ | 023443 | 023443 | 023443 | 023672 | 023650 | 023650 | 227357 |
| Roller stripper (2-pieces) for middle piece with roller synthetic material |  ◆ | 029797 | 029797 | 029797 | 205400 | 029799 | 029799 | - |
| Rollers carbide |  ◆ | 129225 | 129225 | 129225 | 220918 | 222038 | 222038 | on request |
| Adjustment device 1 set = 3 pieces |  | 200178 | 200178 | 200178 | 200179 | 200179 | 200179 | 200179 |

* When placing an order please advise voltage.

** On request 110 V available.

*** Attention: Reduced clamping force! Please refer to the clamping force value marked on the roller.