

- Fine adjustment of the center
- Retractable Steady Rest arms



### Application/customer benefits

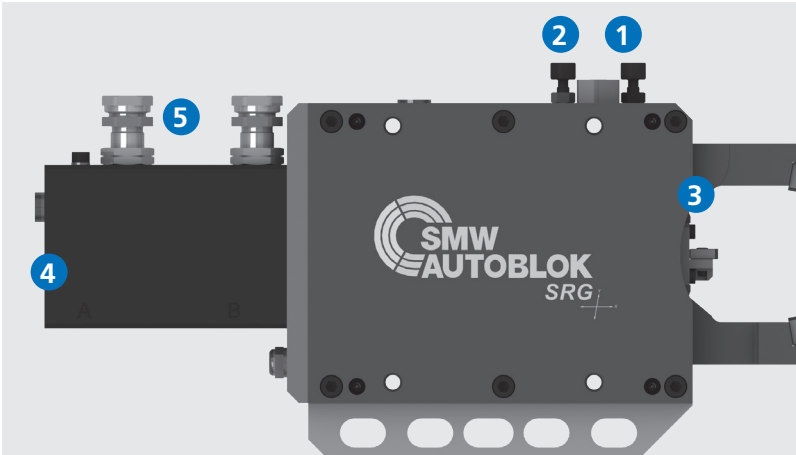
- Support of shaft type workpieces on grinding machines
- Particularly suitable for the machining of crankshafts and camshafts
- Rapid set up of the Steady Rest to the grinding center with the sensitive fine adjustment of the grinding center
- Suitable for follow down grinding
- Retractable Steady Rest arms for autoloading of workpieces
- Monitoring of end positions for process safety

### Standard equipment

Basic grinding Steady Rest SRG

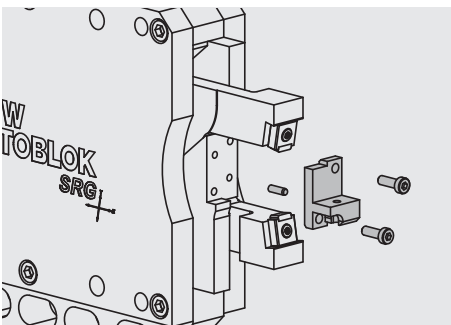
(Padholder for the middle piece, clamping kit and pad kits are not scope of delivery. For these parts please see the overview for the configurations below)

### Technical details



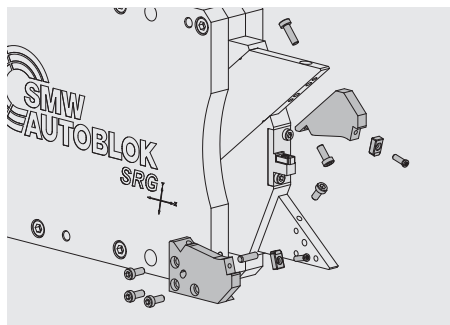
1. Horizontal fine adjustment of the grinding center.
2. Vertical fine adjustment of the grinding center.
3. Retractable Steady Rest arms.
4. Port for compressed air against dust and coolant.
5. Monitoring of end positions with proximity switches (switches not included).

### Overview Configuration



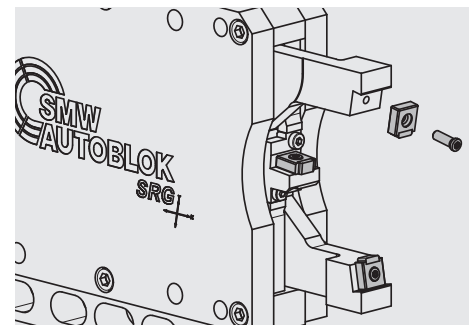
Select padholder for the middle piece (SRG 1, 1S, 2)

- Consisting of padholder middle piece (incl. mounting material).
- 3 versions available:  
0 degree,  $\pm 5$  degree,  $\pm 7$  degree.
- Can be rotated by 180 degrees.



Select clamping kit (SRG 2F, 3F, 4F, 5F, 5.1FS | SRG-B 4F, 5F)

- Consisting of 2 nests for the arms and 1 padholder for the middle piece (incl. mounting material).
- The different clamping ranges can be covered with different clamping kits.



Select Pad kit

- Consisting of 3 pads incl. 3 mounting screws.
- Standard for clamping range as shown on the Steady Rest.
- Special pad kit for shifting of the clamping range -5 mm available.

- Fine adjustment of the center
- Retractable Steady Rest arms

## Overview clamping range

| Type                               | Clamping range in mm |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  | Page    |
|------------------------------------|----------------------|----|---------|---------|---------|---------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----|--|---------|
| SRG 0.8                            | 3 - 18               |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  | 427     |
| SRG 1                              |                      |    | 20 - 35 |         |         |         |         |          |          |           |           |           |           |           |     |  | 428     |
| SRG 1 S                            |                      |    | 20 - 35 |         |         |         |         |          |          |           |           |           |           |           |     |  | 429     |
| SRG 2                              |                      |    |         | 30 - 60 |         |         |         |          |          |           |           |           |           |           |     |  | 430     |
| SRG 2 F                            |                      |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  | 431     |
| I Kit                              | 12 - 28              |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  |         |
| II Kit                             |                      |    | 28 - 44 |         |         |         |         |          |          |           |           |           |           |           |     |  |         |
| III Kit                            |                      |    |         |         | 44 - 60 |         |         |          |          |           |           |           |           |           |     |  |         |
| SRG 3 F                            |                      |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  | 432     |
| I Kit                              | 10 - 30              |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  |         |
| II Kit                             |                      |    | 30 - 50 |         |         |         |         |          |          |           |           |           |           |           |     |  |         |
| III Kit                            |                      |    |         |         | 50 - 70 |         |         |          |          |           |           |           |           |           |     |  |         |
| IV Kit                             |                      |    |         |         |         |         | 70 - 90 |          |          |           |           |           |           |           |     |  | 433-365 |
| SRG 4 F<br>SRG 4.1 FS<br>SRG-B 4 F |                      |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  |         |
| I Kit                              |                      |    | 22 - 35 |         |         |         |         |          |          |           |           |           |           |           |     |  |         |
| II Kit                             |                      |    |         | 35 - 48 |         |         |         |          |          |           |           |           |           |           |     |  |         |
| III Kit                            |                      |    |         |         | 48 - 61 |         |         |          |          |           |           |           |           |           |     |  |         |
| IV Kit                             |                      |    |         |         |         | 61 - 74 |         |          |          |           |           |           |           |           |     |  |         |
| V Kit                              |                      |    |         |         |         |         | 74 - 87 |          |          |           |           |           |           |           |     |  |         |
| VI Kit                             |                      |    |         |         |         |         |         | 87 - 100 |          |           |           |           |           |           |     |  |         |
| SRG 5 F<br>SRG-B 5 F               |                      |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  | 366-367 |
| I Kit                              |                      |    |         |         |         | 48 - 70 |         |          |          |           |           |           |           |           |     |  |         |
| II Kit                             |                      |    |         |         |         |         |         | 70 - 92  |          |           |           |           |           |           |     |  |         |
| III Kit                            |                      |    |         |         |         |         |         |          | 92 - 114 |           |           |           |           |           |     |  |         |
| IV Kit                             |                      |    |         |         |         |         |         |          |          | 114 - 136 |           |           |           |           |     |  | 368     |
| SRG 5.1 FS                         |                      |    |         |         |         |         |         |          |          |           |           |           |           |           |     |  |         |
| I Kit                              |                      |    |         |         |         |         |         |          |          | 96 - 102  |           |           |           |           |     |  |         |
| II Kit                             |                      |    |         |         |         |         |         |          |          |           | 102 - 108 |           |           |           |     |  |         |
| III Kit                            |                      |    |         |         |         |         |         |          |          |           |           | 108 - 114 |           |           |     |  |         |
| IV Kit                             |                      |    |         |         |         |         |         |          |          |           |           |           | 114 - 120 |           |     |  |         |
| V Kit                              |                      |    |         |         |         |         |         |          |          |           |           |           |           | 120 - 126 |     |  |         |
|                                    | 0                    | 10 | 20      | 30      | 40      | 50      | 60      | 70       | 80       | 90        | 100       | 110       | 120       | 130       | 140 |  |         |

# SRG / SRG-B

Grinding Steady Rests

■ Ordering review

| SMW-AUTOBLOK type<br>Basic Steady Rest |         | SRG 0.8<br>223250 | SRG 1<br>221175  | SRG 1 S<br>223060 | SRG 2<br>221871 |
|----------------------------------------|---------|-------------------|------------------|-------------------|-----------------|
| Clamping range                         | mm      | 3-18              | 20-35            | 20-35             | 30-60           |
| Padholder 0 degree*                    | Id. No. | -                 | 203977           | 205191            | 203985          |
| Padholder ± 5 degree*                  | Id. No. | -                 | 203978           | 205196            | 203986          |
| Padholder ± 7 degree*                  | Id. No. | -                 | 203979           | 205197            | 203987          |
| Pad Kit Standard                       | Id. No. | 205439            | 203976           | 204161            | 203976          |
| Pad Kit Special ***                    | Id. No. | -                 | 203939           | -                 | 203939          |
| Working pressure                       | bar     | 20-50             | 15-30            | 20-50             | 15-30           |
| Follow down grinding                   |         | Yes               | Yes              | Yes               | Yes             |
| Dosing element kit                     | Id. No. | 224379 (0.03 cm³) | 224360 (0.1 cm³) | 224379            | 224360          |

| SMW-AUTOBLOK type<br>Basic Steady Rest |         | SRG 2 F<br>222260 |        |        | SRG 3 F<br>224450 |        |        |        | SRG 4 F<br>221930 |        |        | SRG-B 4 F<br>223140 |        |        |
|----------------------------------------|---------|-------------------|--------|--------|-------------------|--------|--------|--------|-------------------|--------|--------|---------------------|--------|--------|
| Clamping range                         | mm      | 12-60****         |        |        | 10-90****         |        |        |        | 22-100            |        |        |                     |        |        |
| Clamping kit                           |         | I                 | II     | III    | I                 | II     | III    | IV     | I                 | II     | III    | IV                  | V      | VI     |
| Clamping range                         | mm      | 12-28             | 28-44  | 44-60  | 10-30             | 30-50  | 50-70  | 70-90  | 22-35             | 35-48  | 48-61  | 61-74               | 74-87  | 87-100 |
| Clamping kit 0 degree**                | Id. No. | 204383            | 204382 | 204381 | 224298            | 224297 | 224296 | 224295 | 205000            | 205001 | 205002 | 205003              | 205004 | 205005 |
| Clamping kit ±2 degree**               | Id. No. | -                 | -      | -      | -                 | -      | -      | -      | 205006            | 205007 | 205008 | 205009              | 205010 | 205011 |
| Clamping kit ±3 degree**               | Id. No. | -                 | -      | -      | -                 | -      | -      | -      | -                 | -      | -      | -                   | -      | -      |
| Clamping kit ±5 degree**               | Id. No. | 206349            | 206348 | 206347 | 224302            | 224301 | 224300 | 224299 | 224453            | 224454 | 224455 | 224456              | 224457 | 224458 |
| Clamping kit ±7 degree**               | Id. No. | 206346            | 206345 | 206344 | 224306            | 224305 | 224304 | 224303 | 224459            | 224460 | 224461 | 224462              | 224463 | 224464 |
| Pad Kit Standard                       | Id. No. | 203976            |        |        | 203976            |        |        |        | 204161            |        |        |                     |        |        |
| Pad Kit Special***                     | Id. No. | 203939            |        |        | 203939            |        |        |        | -                 |        |        |                     |        |        |
| Working pressure                       | bar     | 15-30             |        |        | 10-30             |        |        |        | 7-25              |        |        |                     |        |        |
| Follow down grinding                   |         | Yes               |        |        | Yes               |        |        |        | Yes               |        |        |                     |        |        |
| Dosing element kit                     | Id. No. | 224360            |        |        | 224360            |        |        |        | -                 |        |        | -                   |        |        |

| SMW-AUTOBLOK type<br>Basic Steady Rest |         | SRG 4.1 FS<br>222410 |        |        |        |        |        | SRG 5 F<br>223774 |        | SRG-B 5 F<br>222530 |         | SRG 5.1 FS<br>222665 |         |         |         |         |
|----------------------------------------|---------|----------------------|--------|--------|--------|--------|--------|-------------------|--------|---------------------|---------|----------------------|---------|---------|---------|---------|
| Clamping range                         | mm      | 22-100               |        |        |        |        |        | 48-136            |        |                     |         | 96-126               |         |         |         |         |
| Clamping kit                           |         | I                    | II     | III    | IV     | V      | VI     | I                 | II     | III                 | IV      | I                    | II      | III     | IV      | V       |
| Clamping range                         | mm      | 22-35                | 35-48  | 48-61  | 61-74  | 74-87  | 87-100 | 48-70             | 70-92  | 92-114              | 114-136 | 96-102               | 102-108 | 108-114 | 114-120 | 120-126 |
| Clamping kit 0 degree**                | Id. No. |                      |        |        |        |        |        | -                 | -      | -                   | -       | -                    | -       | -       | -       | -       |
| Clamping kit ±2 degree**               | Id. No. | 204719               | 204720 | 204721 | 204722 | 204723 | 204724 | 205018            | 205019 | 205020              | 205021  | -                    | -       | -       | -       | -       |
| Clamping kit ±3 degree**               | Id. No. |                      |        |        |        |        |        | -                 | -      | -                   | -       | 205200               | 205201  | 205202  | 205203  | 205204  |
| Clamping kit ±5 degree**               | Id. No. |                      |        |        |        |        |        |                   |        |                     |         | -                    | -       | -       | -       | -       |
| Clamping kit ±7 degree**               | Id. No. |                      |        |        |        |        |        |                   |        |                     |         | -                    | -       | -       | -       | -       |
| Pad Kit Standard                       | Id. No. | 205228               |        |        |        |        |        | 204161            |        |                     |         | 204161               |         |         |         |         |
| Pad Kit Special***                     | Id. No. |                      |        |        |        |        |        | -                 |        |                     |         | -                    |         |         |         |         |
| Working pressure                       | bar     |                      |        |        |        |        |        | 10-30             |        |                     |         | 7-25                 |         |         |         |         |
| Follow down grinding                   |         | Yes                  |        |        |        |        |        | Yes               |        |                     |         | Yes                  |         |         |         |         |

\* Consisting of padholder for the middle piece incl. mounting material.

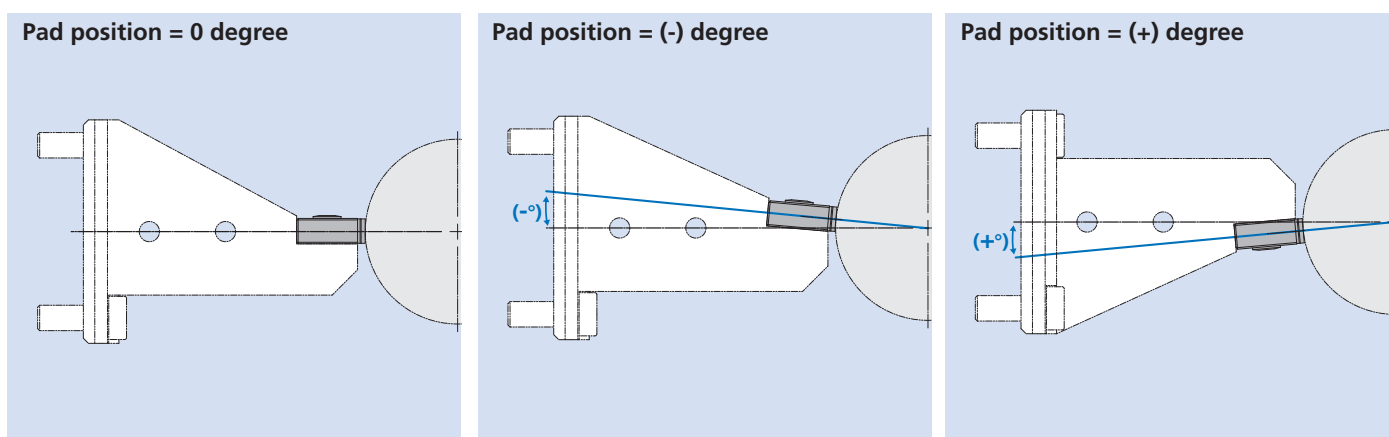
\*\* Consisting of padholder for the middle piece and the nests for the arms incl. mounting material.

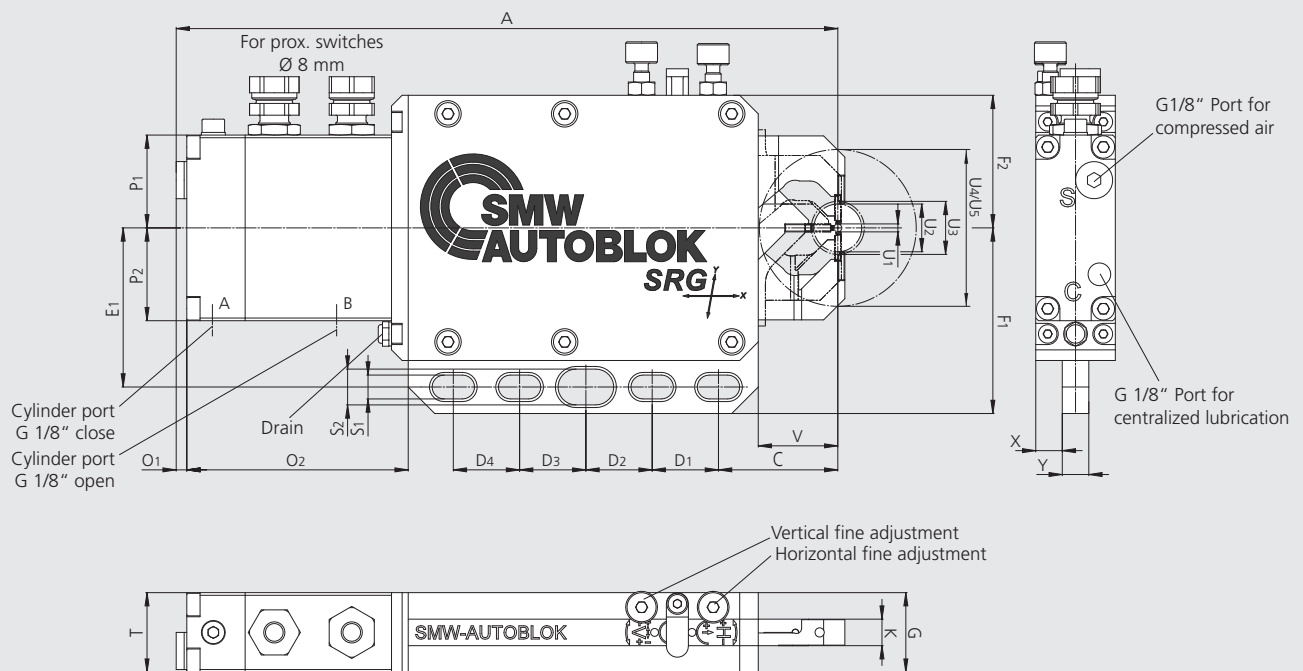
\*\*\* Clamping range -5 mm.

\*\*\*\* Padholder middle piece pivoting for contact angle.

SRG-B Side mounted cylinder.

## Pad position middle piece / contact angle





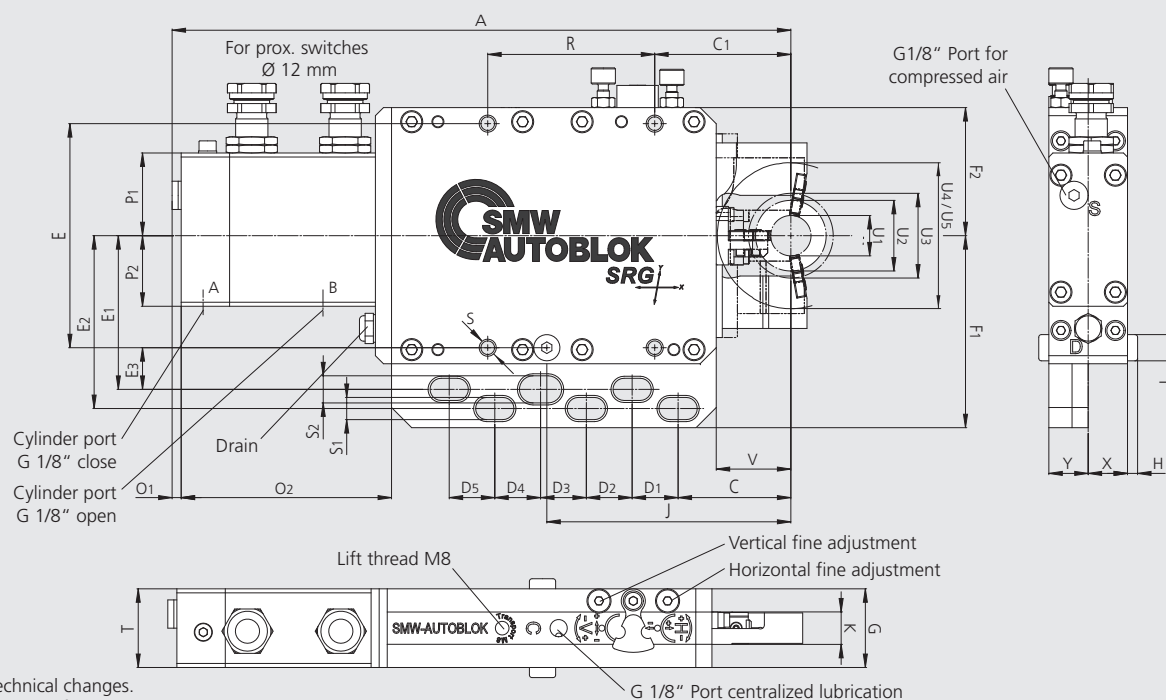
Subject to technical changes.  
For more detailed information please ask our customer service.

| SMW-AUTOBLOK Type                             |    |                 | SRG 0.8    |
|-----------------------------------------------|----|-----------------|------------|
| Id. No.                                       |    |                 | 223250     |
| Min. clamping diameter                        | U1 | mm              | 3          |
| Max. clamping diameter                        | U2 | mm              | 18         |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 58         |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 58         |
| Max. swing diameter                           | U5 | mm              | 58         |
| Horizontal adjustment range                   |    | mm              | ±0.05      |
| Vertical adjustment range                     |    | mm              | ±0.05      |
|                                               | A  | mm              | 249.5      |
|                                               | C  | mm              | 45         |
|                                               | D1 | mm              | 25         |
|                                               | D2 | mm              | 25         |
|                                               | D3 | mm              | 25         |
|                                               | D4 | mm              | 25         |
|                                               | E1 | mm              | 60         |
|                                               | F1 | mm              | 70         |
|                                               | F2 | mm              | 50         |
|                                               | G  | mm              | 30         |
|                                               | K  | mm              | 10         |
|                                               | O1 | mm              | 4          |
|                                               | O2 | mm              | 83.5       |
|                                               | P1 | mm              | 35         |
|                                               | P2 | mm              | 35         |
|                                               | S1 | mm              | 9 (4x)     |
|                                               | S2 | mm              | 13.46 (1x) |
|                                               | T  | mm              | 30         |
|                                               | V  | mm              | 30         |
|                                               | X  | mm              | 10         |
|                                               | Y  | mm              | 10         |
| Cylinder stroke                               |    | mm              | 43         |
| Piston area                                   |    | cm <sup>2</sup> | 3.14       |
| Operating pressure max.                       |    | bar             | 50         |
| Working pressure                              |    | bar             | 20 - 50    |
| Repeatability accuracy                        |    | mm              | ±0.001     |
| Weight                                        |    | kg              | 4.3        |

# SRG 1

Grinding Steady Rests

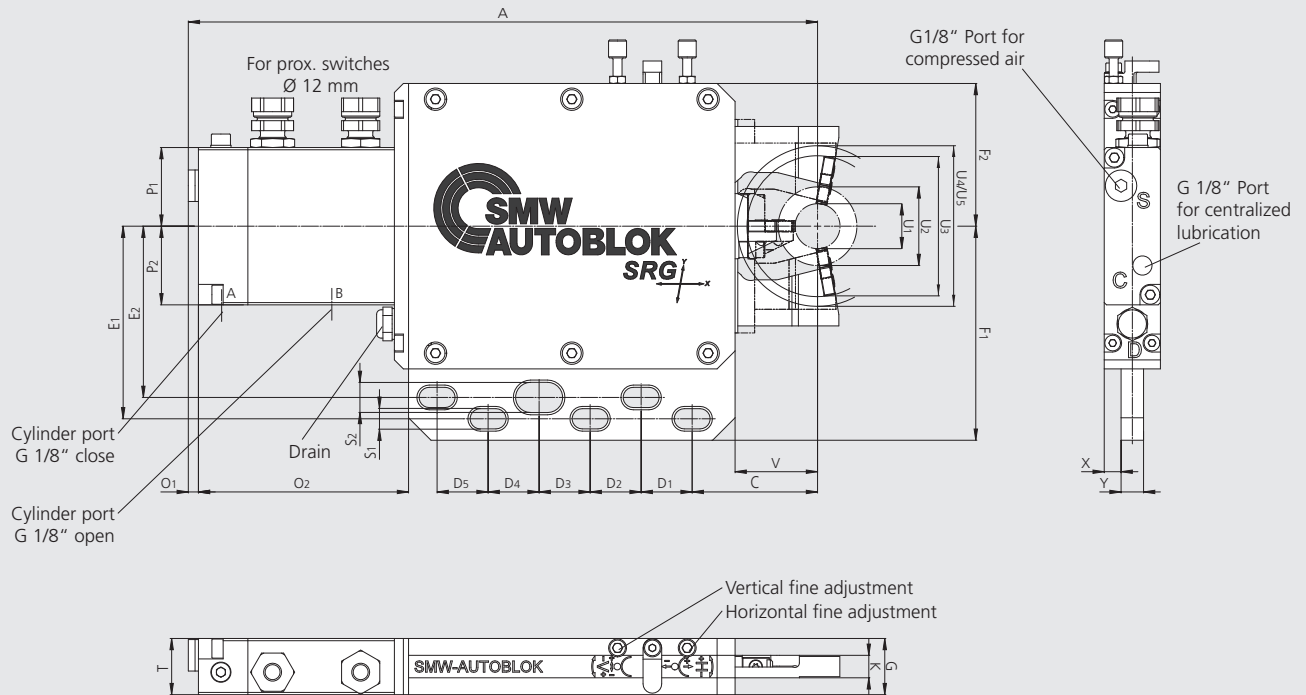
## ■ Dimensions and technical data



Subject to technical changes.

For more detailed information please ask our customer service.

| SMW-AUTOBLOK Type                             |    | SRG 1           |            |
|-----------------------------------------------|----|-----------------|------------|
| Id. No.                                       |    | 221175          |            |
| Min. clamping diameter                        | U1 | mm              | 20         |
| Max. clamping diameter                        | U2 | mm              | 35         |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 72         |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 72         |
| Max. swing diameter                           | U5 | mm              | 72         |
| Horizontal adjustment range                   |    | mm              | ±0.20      |
| Vertical adjustment range                     |    | mm              | ±0.10      |
|                                               | A  | mm              | 306.8      |
|                                               | C  | mm              | 55.9       |
|                                               | C1 | mm              | 67.5       |
|                                               | D1 | mm              | 22.8       |
|                                               | D2 | mm              | 22.7       |
|                                               | D3 | mm              | 22.7       |
|                                               | D4 | mm              | 22.7       |
|                                               | D5 | mm              | 22.6       |
|                                               | E  | mm              | 111.1      |
|                                               | E1 | mm              | 76.2       |
|                                               | E2 | mm              | 85.7       |
|                                               | E3 | mm              | 20.65      |
|                                               | F1 | mm              | 95.2       |
|                                               | F2 | mm              | 63.5       |
|                                               | G  | mm              | 39         |
|                                               | H  | mm              | 5          |
|                                               | I  | mm              | 13         |
|                                               | J  | mm              | 121        |
|                                               | K  | mm              | 16.1       |
|                                               | O1 | mm              | 4.5        |
|                                               | O2 | mm              | 104.3      |
|                                               | P1 | mm              | 41         |
|                                               | P2 | mm              | 35         |
|                                               | R  | mm              | 82.8       |
|                                               | S  | mm              | M8 (4x)    |
|                                               | S1 | mm              | 11 (5x)    |
|                                               | S2 | mm              | 13.46 (1x) |
|                                               | T  | mm              | 39         |
|                                               | V  | mm              | 37         |
|                                               | X  | mm              | 19.5       |
|                                               | Y  | mm              | 19.5       |
| Cylinder stroke                               |    | mm              | 73.4       |
| Piston area                                   |    | cm <sup>2</sup> | 7.07       |
| Operating pressure max.                       |    | bar             | 45         |
| Working pressure                              |    | bar             | 15-30      |
| Repeatability accuracy                        |    | mm              | ±0.001     |
| Weight                                        |    | kg              | 8.5        |



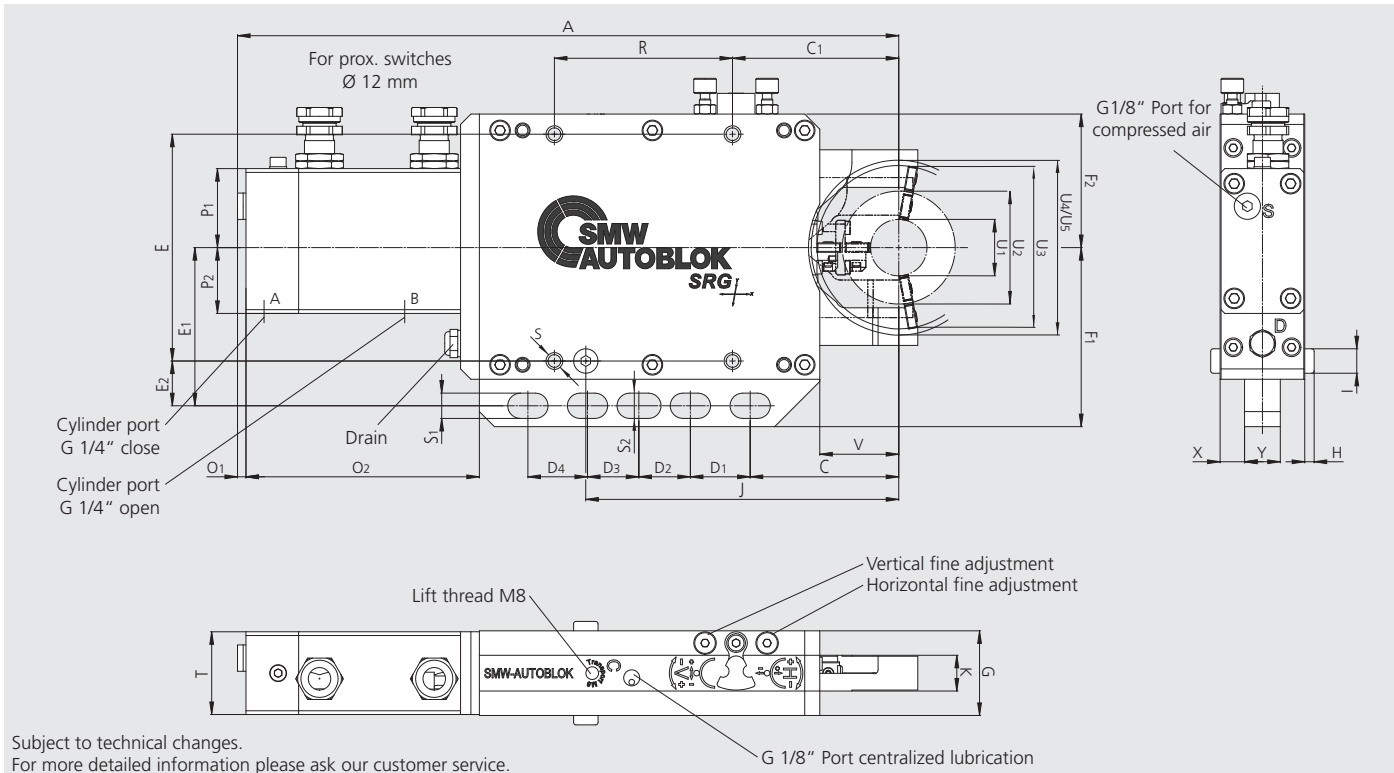
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For more detailed information please ask our customer service.

| SMW-AUTOBLOK Type                             |    | SRG 1 S         |            |
|-----------------------------------------------|----|-----------------|------------|
| Id. No.                                       |    | 223060          |            |
| Min. clamping diameter                        | U1 | mm              | 20         |
| Max. clamping diameter                        | U2 | mm              | 35         |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 62         |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 72         |
| Max. swing diameter                           | U5 | mm              | 72         |
| Horizontal adjustment range                   |    | mm              | ±0.20      |
| Vertical adjustment range                     |    | mm              | ±0.10      |
|                                               | A  | mm              | 280        |
|                                               | C  | mm              | 55.8       |
|                                               | D1 | mm              | 22.7       |
|                                               | D2 | mm              | 22.7       |
|                                               | D3 | mm              | 22.7       |
|                                               | D4 | mm              | 22.7       |
|                                               | D5 | mm              | 22.7       |
|                                               | E1 | mm              | 85.7       |
|                                               | E2 | mm              | 76.2       |
|                                               | F1 | mm              | 95.25      |
|                                               | F2 | mm              | 63.5       |
|                                               | G  | mm              | 25         |
|                                               | K  | mm              | 10         |
|                                               | O1 | mm              | 4.5        |
|                                               | O2 | mm              | 93.5       |
|                                               | P1 | mm              | 35         |
|                                               | P2 | mm              | 35         |
|                                               | S1 | mm              | 9 (5x)     |
|                                               | S2 | mm              | 13.46 (1x) |
|                                               | T  | mm              | 25         |
|                                               | V  | mm              | 36.7       |
|                                               | X  | mm              | 7.5        |
|                                               | Y  | mm              | 10         |
| Cylinder stroke                               |    | mm              | 53         |
| Piston area                                   |    | cm <sup>2</sup> | 2.01       |
| Operating pressure max.                       |    | bar             | 50         |
| Working pressure                              |    | bar             | 20-50      |
| Repeatability accuracy                        |    | mm              | ±0.001     |
| Weight                                        |    | kg              | 4.8        |

# SRG 2

## Grinding Steady Rests

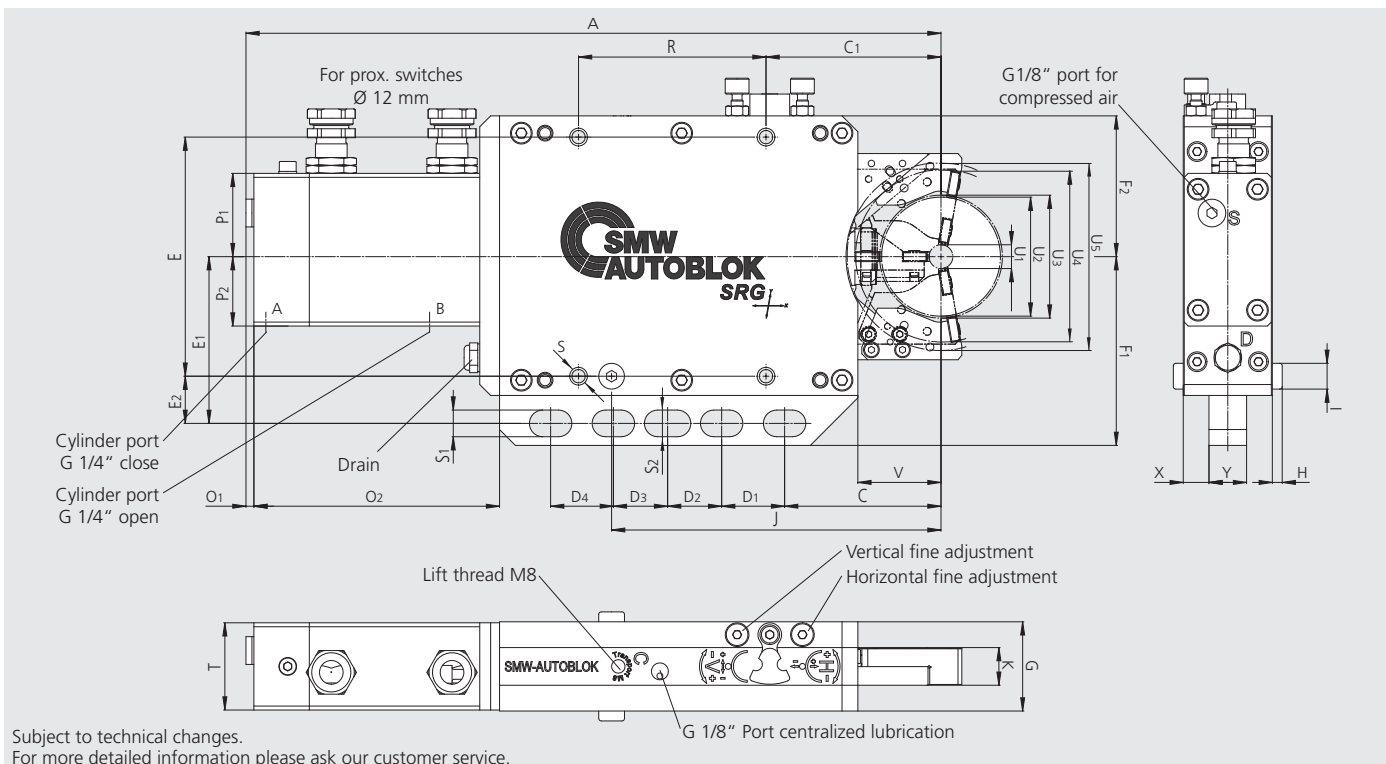
## ■ Dimensions and technical data



Subject to technical changes.

For more detailed information please ask our customer service.

| SMW-AUTOBLOK Type                             |    |                 | SRG 2      |
|-----------------------------------------------|----|-----------------|------------|
| Id. No.                                       |    |                 | 221871     |
| Min. clamping diameter                        | U1 | mm              | 30         |
| Max. clamping diameter                        | U2 | mm              | 60         |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 82         |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 95         |
| Max. swing diameter                           | U5 | mm              | 95         |
| Horizontal adjustment range                   |    | mm              | ±0.20      |
| Vertical adjustment range                     |    | mm              | ±0.14      |
|                                               | A  | mm              | 351.6      |
|                                               | C  | mm              | 79         |
|                                               | C1 | mm              | 88.4       |
|                                               | D1 | mm              | 31.8       |
|                                               | D2 | mm              | 27.4       |
|                                               | D3 | mm              | 27.3       |
|                                               | D4 | mm              | 31.7       |
|                                               | E  | mm              | 120.6      |
|                                               | E1 | mm              | 84.1       |
|                                               | E2 | mm              | 23.8       |
|                                               | F1 | mm              | 95.2       |
|                                               | F2 | mm              | 71         |
|                                               | G  | mm              | 45         |
|                                               | H  | mm              | 5          |
|                                               | I  | mm              | 13         |
|                                               | J  | mm              | 166.4      |
|                                               | K  | mm              | 19         |
|                                               | O1 | mm              | 4.5        |
|                                               | O2 | mm              | 124.1      |
|                                               | P1 | mm              | 42         |
|                                               | P2 | mm              | 35         |
|                                               | R  | mm              | 94.7       |
|                                               | S  | mm              | M8 (4x)    |
|                                               | S1 | mm              | 12.5 (4x)  |
|                                               | S2 | mm              | 13.46 (1x) |
|                                               | T  | mm              | 44         |
|                                               | V  | mm              | 42         |
|                                               | X  | mm              | 13         |
|                                               | Y  | mm              | 19         |
| Cylinder stroke                               |    | mm              | 73.4       |
| Piston area                                   |    | cm <sup>2</sup> | 7.07       |
| Operating pressure max.                       |    | bar             | 45         |
| Working pressure                              |    | bar             | 15-30      |
| Repeatability accuracy                        |    | mm              | ±0.001     |
| Weight                                        |    | kg              | 11.8       |



Subject to technical changes.  
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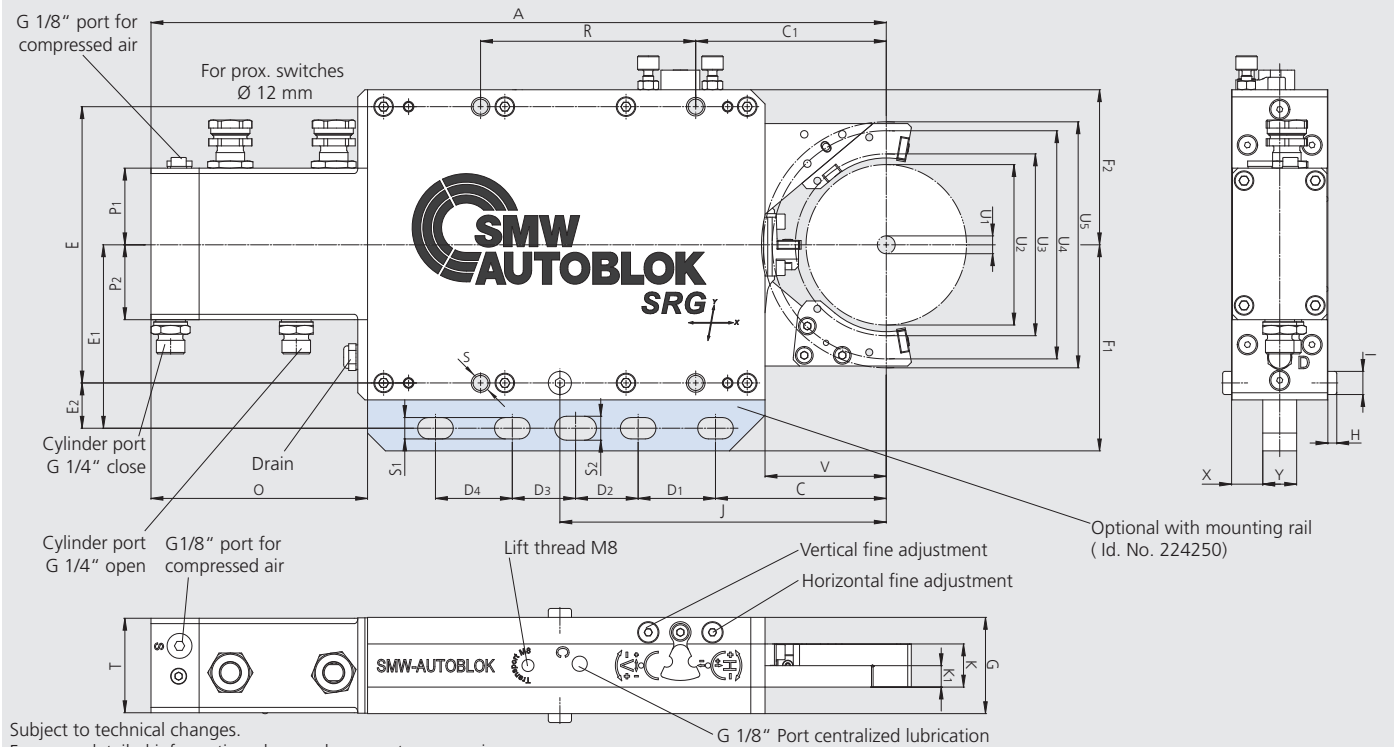
| SMW-AUTOBLOK Type                             |    | SRG 2 F         |    |            |     |
|-----------------------------------------------|----|-----------------|----|------------|-----|
| Id. No.                                       |    | 222260          |    |            |     |
| Clamping kit                                  |    |                 | I  | II         | III |
| Min. clamping diameter                        | U1 | mm              | 12 | 28         | 44  |
| Max. clamping diameter                        | U2 | mm              | 28 | 44         | 60  |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 82 | 82         | 82  |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 94 | 94         | 94  |
| Max. swing diameter                           | U5 | mm              |    | 94         |     |
| Horizontal adjustment range                   |    | mm              |    | ±0.20      |     |
| Vertical adjustment range                     |    | mm              |    | ±0.14      |     |
|                                               | A  | mm              |    | 351.1      |     |
|                                               | C  | mm              |    | 79         |     |
|                                               | C1 | mm              |    | 88.4       |     |
|                                               | D1 | mm              |    | 31.8       |     |
|                                               | D2 | mm              |    | 27.3       |     |
|                                               | D3 | mm              |    | 27.4       |     |
|                                               | D4 | mm              |    | 31.7       |     |
|                                               | E  | mm              |    | 120.6      |     |
|                                               | E1 | mm              |    | 84.1       |     |
|                                               | E2 | mm              |    | 23.8       |     |
|                                               | F1 | mm              |    | 95.2       |     |
|                                               | F2 | mm              |    | 71         |     |
|                                               | G  | mm              |    | 45         |     |
|                                               | H  | mm              |    | 5          |     |
|                                               | I  | mm              |    | 13         |     |
|                                               | J  | mm              |    | 166.4      |     |
|                                               | K  | mm              |    | 19         |     |
|                                               | O1 | mm              |    | 4.5        |     |
|                                               | O2 | mm              |    | 124.1      |     |
|                                               | P1 | mm              |    | 42         |     |
|                                               | P2 | mm              |    | 35         |     |
|                                               | R  | mm              |    | 94.7       |     |
|                                               | S  | mm              |    | M8 (4x)    |     |
|                                               | S1 | mm              |    | 12.5 (4x)  |     |
|                                               | S2 | mm              |    | 13.46 (1x) |     |
|                                               | T  | mm              |    | 44         |     |
|                                               | V  | mm              |    | 42         |     |
|                                               | X  | mm              |    | 13         |     |
|                                               | Y  | mm              |    | 19         |     |
| Cylinder stroke                               |    | mm              |    | 66.4       |     |
| Piston area                                   |    | cm <sup>2</sup> |    | 7.07       |     |
| Operating pressure max.                       |    | bar             |    | 45         |     |
| Working pressure                              |    | bar             |    | 15-30      |     |
| Repeatability accuracy                        |    | mm              |    | ±0.001     |     |
| Weight                                        |    | kg              |    | 11.2       |     |



# SRG 3 F

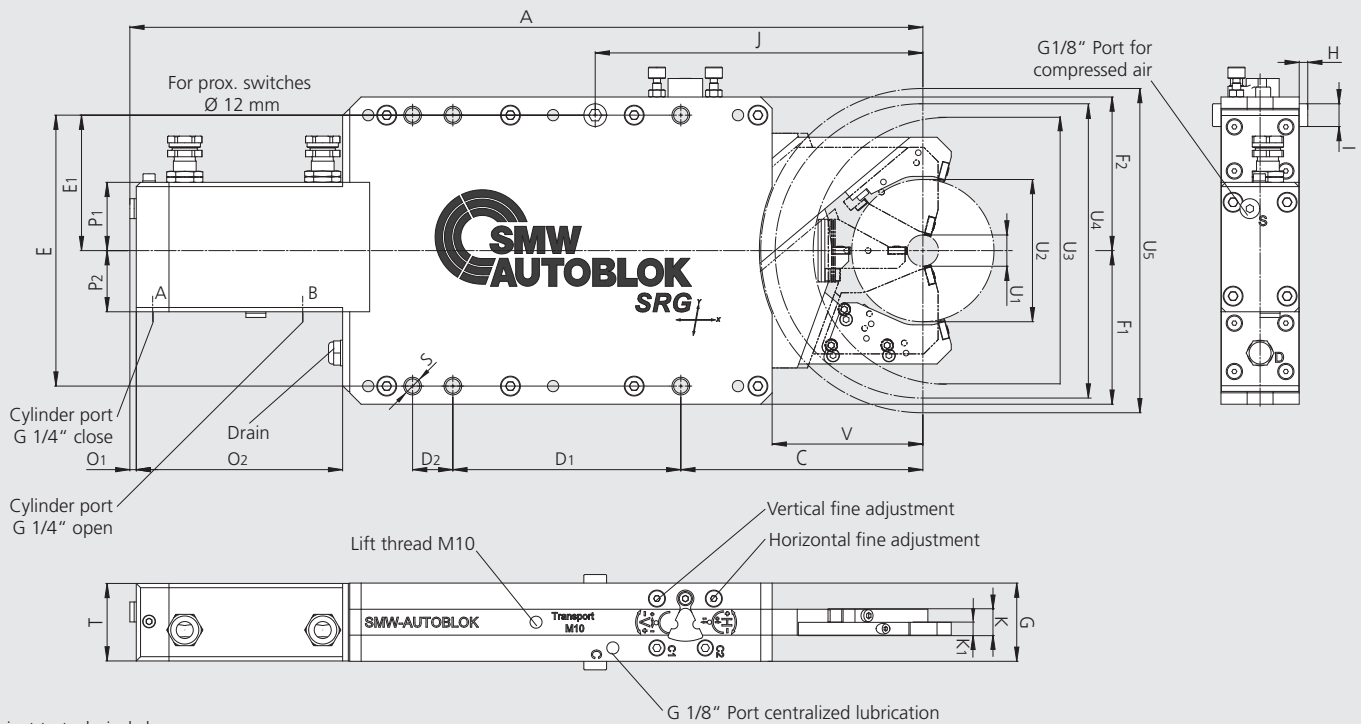
## Grinding Steady Rests

## ■ Dimensions and technical data



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| SMW-AUTOBLOK Type                             |    |                 | SRG 3 F  |     |     |     |
|-----------------------------------------------|----|-----------------|----------|-----|-----|-----|
| Id. No.                                       |    |                 | 224450   |     |     |     |
| Clamping kit                                  |    |                 | I        | II  | III | IV  |
| Min. clamping diameter                        | U1 | mm              | 10       | 30  | 50  | 70  |
| Max. clamping diameter                        | U2 | mm              | 30       | 50  | 70  | 90  |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 111      | 110 | 106 | 102 |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 125      | 129 | 135 | 138 |
| Max. swing diameter                           | U5 | mm              | 138      |     |     |     |
| Horizontal adjustment range                   |    | mm              | ±0.20    |     |     |     |
| Vertical adjustment range                     |    | mm              | ±0.15    |     |     |     |
|                                               | A  | mm              | 412.5    |     |     |     |
|                                               | C  | mm              | 95.8     |     |     |     |
|                                               | C1 | mm              | 106.9    |     |     |     |
|                                               | D1 | mm              | 43.4     |     |     |     |
|                                               | D2 | mm              | 35.1     |     |     |     |
|                                               | D3 | mm              | 35.5     |     |     |     |
|                                               | D4 | mm              | 43.1     |     |     |     |
|                                               | E  | mm              | 155      |     |     |     |
|                                               | E1 | mm              | 102.9    |     |     |     |
|                                               | E2 | mm              | 25.4     |     |     |     |
|                                               | F1 | mm              | 115.6    |     |     |     |
|                                               | F2 | mm              | 87       |     |     |     |
|                                               | G  | mm              | 54       |     |     |     |
|                                               | H  | mm              | 5        |     |     |     |
|                                               | I  | mm              | 13       |     |     |     |
|                                               | J  | mm              | 183.1    |     |     |     |
|                                               | K  | mm              | 24       |     |     |     |
|                                               | K1 | mm              | 12       |     |     |     |
|                                               | O  | mm              | 121.5    |     |     |     |
|                                               | P1 | mm              | 43       |     |     |     |
|                                               | P2 | mm              | 42       |     |     |     |
|                                               | R  | mm              | 120.7    |     |     |     |
|                                               | S  | mm              | M10 (4x) |     |     |     |
|                                               | S1 | mm              | 13.46    |     |     |     |
|                                               | S2 | mm              | 13.46    |     |     |     |
|                                               | T  | mm              | 53       |     |     |     |
|                                               | V  | mm              | 68       |     |     |     |
|                                               | X  | mm              | 17.5     |     |     |     |
|                                               | Y  | mm              | 19       |     |     |     |
| Cylinder stroke                               |    | mm              | 79.8     |     |     |     |
| Piston area                                   |    | cm <sup>2</sup> | 12.56    |     |     |     |
| Operating pressure max.                       |    | bar             | 45       |     |     |     |
| Working pressure                              |    | bar             | 10 - 30  |     |     |     |
| Repeatability accuracy                        |    | mm              | ±0.001   |     |     |     |
| Weight                                        |    | kg              | 19.1     |     |     |     |



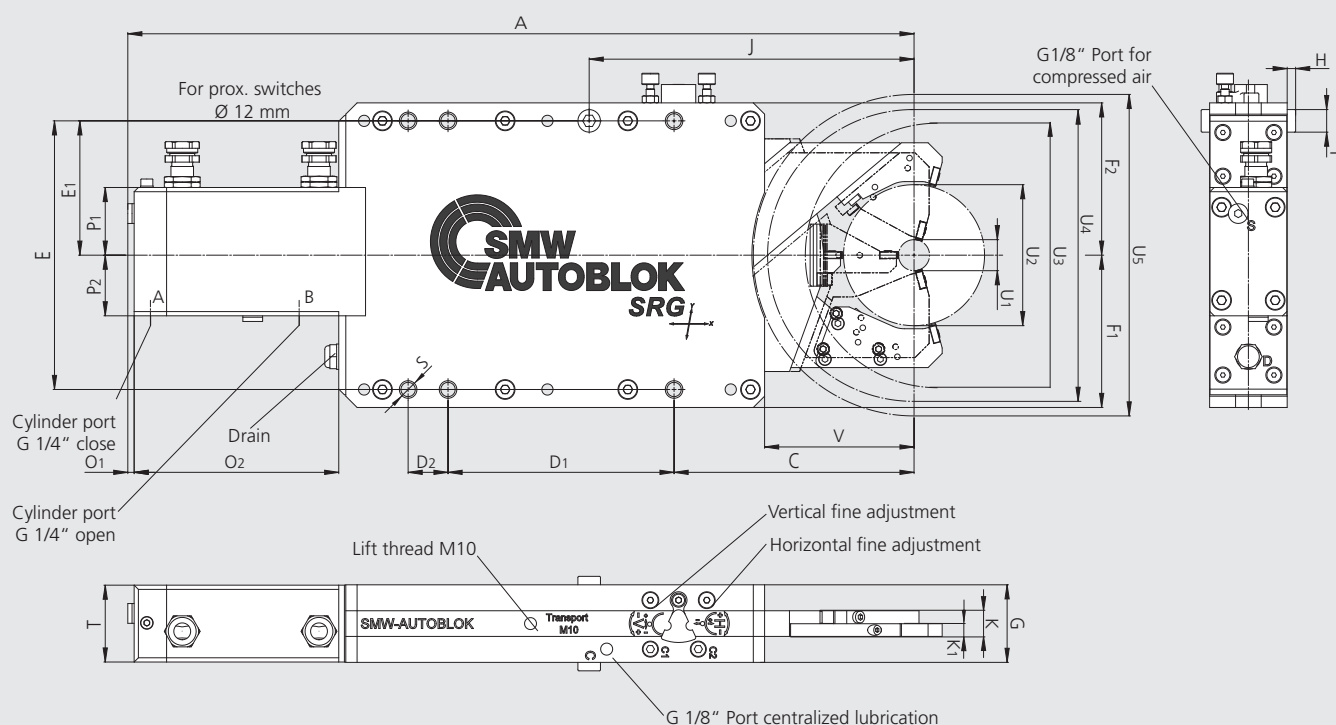
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| SMW-AUTOBLOK Type                             |    |                 | SRG 4 F  |     |     |     |     |     |
|-----------------------------------------------|----|-----------------|----------|-----|-----|-----|-----|-----|
| Id. No.                                       |    |                 | 221930   |     |     |     |     |     |
| Clamping kit                                  |    |                 | I        | II  | III | IV  | V   | VI  |
| Min. clamping diameter                        | U1 | mm              | 22       | 35  | 48  | 61  | 74  | 87  |
| Max. clamping diameter                        | U2 | mm              | 35       | 48  | 61  | 74  | 87  | 100 |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 206      | 204 | 200 | 196 | 194 | 190 |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 218      | 219 | 219 | 220 | 222 | 224 |
| Max. swing diameter                           | U5 | mm              | 228      |     |     |     |     |     |
| Horizontal adjustment range                   |    | mm              | ±0.20    |     |     |     |     |     |
| Vertical adjustment range                     |    | mm              | ±0.14    |     |     |     |     |     |
|                                               | A  | mm              | 557.6    |     |     |     |     |     |
|                                               | C  | mm              | 170.2    |     |     |     |     |     |
|                                               | D1 | mm              | 160.3    |     |     |     |     |     |
|                                               | D2 | mm              | 28.3     |     |     |     |     |     |
|                                               | E  | mm              | 190.5    |     |     |     |     |     |
|                                               | E1 | mm              | 95.25    |     |     |     |     |     |
|                                               | F1 | mm              | 108      |     |     |     |     |     |
|                                               | F2 | mm              | 108      |     |     |     |     |     |
|                                               | G  | mm              | 55       |     |     |     |     |     |
|                                               | H  | mm              | 6        |     |     |     |     |     |
|                                               | I  | mm              | 16       |     |     |     |     |     |
|                                               | J  | mm              | 230.4    |     |     |     |     |     |
|                                               | K  | mm              | 18.2     |     |     |     |     |     |
|                                               | K1 | mm              | 9        |     |     |     |     |     |
|                                               | O1 | mm              | 4.5      |     |     |     |     |     |
|                                               | O2 | mm              | 145.1    |     |     |     |     |     |
|                                               | P1 | mm              | 48       |     |     |     |     |     |
|                                               | P2 | mm              | 43       |     |     |     |     |     |
|                                               | S  | mm              | M12 (6x) |     |     |     |     |     |
|                                               | T  | mm              | 54.5     |     |     |     |     |     |
|                                               | V  | mm              | 106      |     |     |     |     |     |
| Cylinder stroke                               |    | mm              | 127.2    |     |     |     |     |     |
| Piston area                                   |    | cm <sup>2</sup> | 12.56    |     |     |     |     |     |
| Operating pressure max.                       |    | bar             | 30       |     |     |     |     |     |
| Working pressure                              |    | bar             | 7 - 25   |     |     |     |     |     |
| Repeatability accuracy                        |    | mm              | ±0.001   |     |     |     |     |     |
| Weight                                        |    | kg              | 30       |     |     |     |     |     |

# SRG 4.1 FS

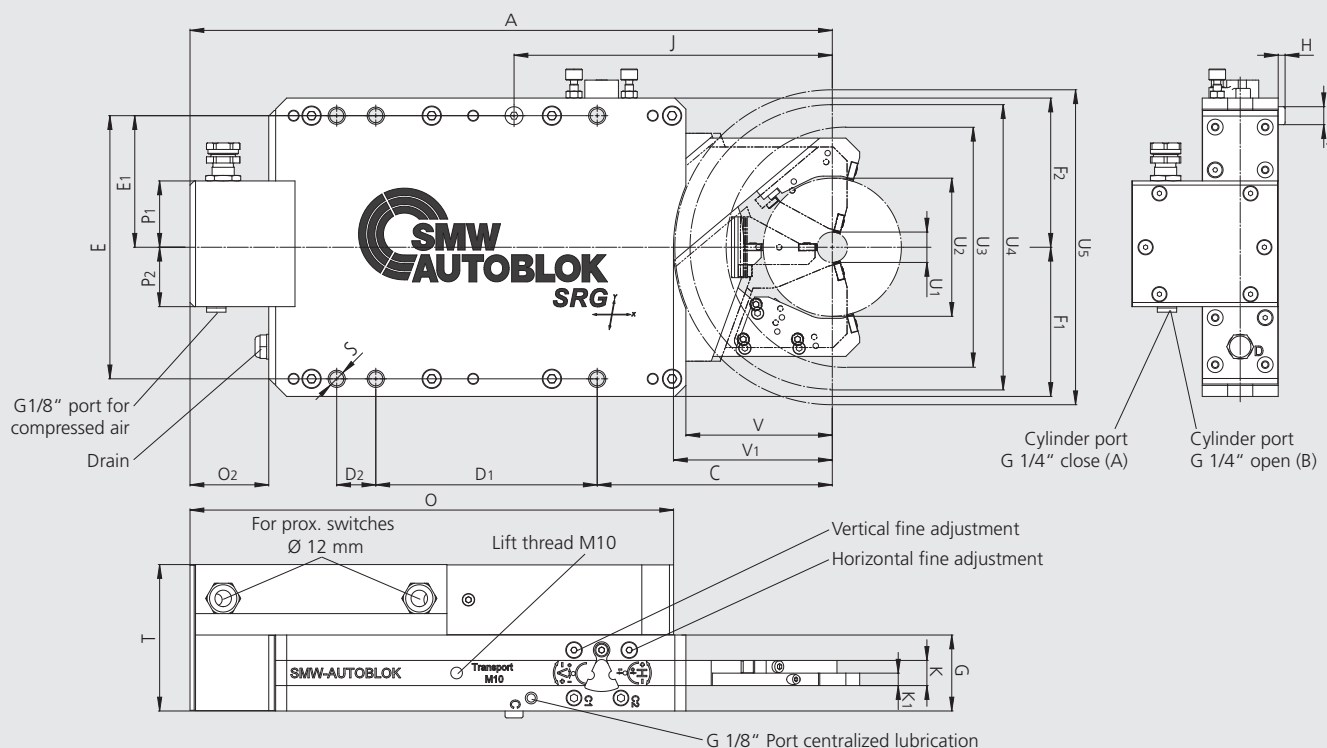
Grinding Steady Rests

■ Dimensions and technical data



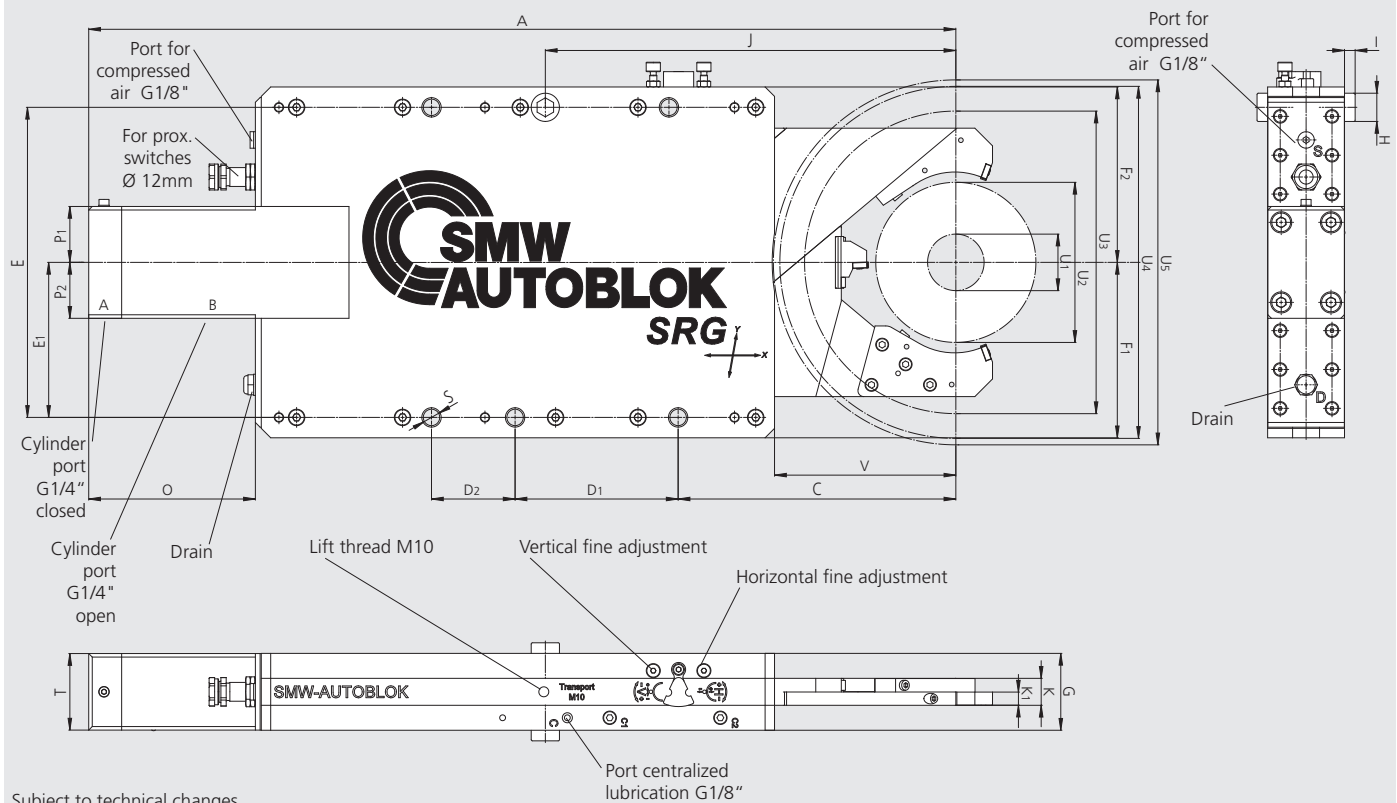
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| SMW-AUTOBLOK Type                             |    | SRG 4.1 FS      |          |     |     |     |     |     |
|-----------------------------------------------|----|-----------------|----------|-----|-----|-----|-----|-----|
| Id. No.                                       |    | 222410          |          |     |     |     |     |     |
| Clamping kit                                  |    |                 | I        | II  | III | IV  | V   | VI  |
| Min. clamping diameter                        | U1 | mm              | 22       | 35  | 48  | 61  | 74  | 87  |
| Max. clamping diameter                        | U2 | mm              | 35       | 48  | 61  | 74  | 87  | 100 |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 206      | 201 | 197 | 195 | 190 | 189 |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 216      | 216 | 217 | 218 | 220 | 223 |
| Max. swing diameter                           | U5 | mm              | 250      |     |     |     |     |     |
| Horizontal adjustment range                   |    | mm              | ±0.22    |     |     |     |     |     |
| Vertical adjustment range                     |    | mm              | ±0.175   |     |     |     |     |     |
|                                               | A  | mm              | 565.5    |     |     |     |     |     |
|                                               | C  | mm              | 161.7    |     |     |     |     |     |
|                                               | D1 | mm              | 170.8    |     |     |     |     |     |
|                                               | E  | mm              | 190.5    |     |     |     |     |     |
|                                               | E1 | mm              | 95.25    |     |     |     |     |     |
|                                               | F1 | mm              | 108      |     |     |     |     |     |
|                                               | F2 | mm              | 108      |     |     |     |     |     |
|                                               | G  | mm              | 50.3     |     |     |     |     |     |
|                                               | H  | mm              | 6        |     |     |     |     |     |
|                                               | I  | mm              | 16       |     |     |     |     |     |
|                                               | J  | mm              | 230.8    |     |     |     |     |     |
|                                               | K  | mm              | 15.3     |     |     |     |     |     |
|                                               | K1 | mm              | 7.4      |     |     |     |     |     |
|                                               | O1 | mm              | 4.5      |     |     |     |     |     |
|                                               | O2 | mm              | 135      |     |     |     |     |     |
|                                               | P1 | mm              | 47       |     |     |     |     |     |
|                                               | P2 | mm              | 43       |     |     |     |     |     |
|                                               | S  | mm              | M12 (6x) |     |     |     |     |     |
|                                               | T  | mm              | 49.3     |     |     |     |     |     |
|                                               | V  | mm              | 114      |     |     |     |     |     |
| Cylinder stroke                               |    | mm              | 126      |     |     |     |     |     |
| Piston area                                   |    | cm <sup>2</sup> | 12.56    |     |     |     |     |     |
| Operating pressure max.                       |    | bar             | 35       |     |     |     |     |     |
| Working pressure                              |    | bar             | 8 - 28   |     |     |     |     |     |
| Repeatability accuracy                        |    | mm              | ±0.001   |     |     |     |     |     |
| Weight                                        |    | kg              | 26.5     |     |     |     |     |     |



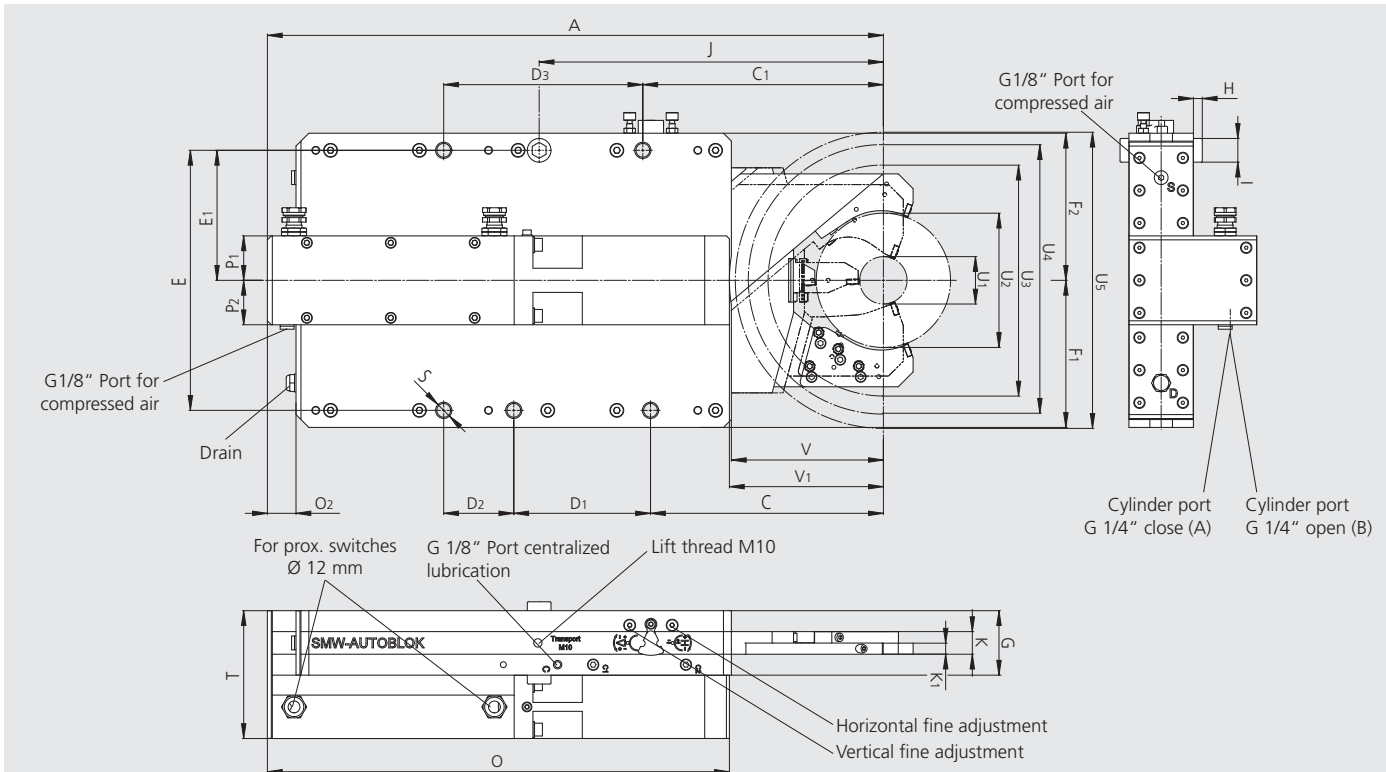
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| SMW-AUTOBLOK Type                             |    |                 | SRG-B 4 F |     |     |     |     |     |
|-----------------------------------------------|----|-----------------|-----------|-----|-----|-----|-----|-----|
| Id. No.                                       |    |                 | 223140    |     |     |     |     |     |
| Clamping kit                                  |    |                 | I         | II  | III | IV  | V   | VI  |
| Min. clamping diameter                        | U1 | mm              | 22        | 35  | 48  | 61  | 74  | 87  |
| Max. clamping diameter                        | U2 | mm              | 35        | 48  | 61  | 74  | 87  | 100 |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 206       | 204 | 200 | 196 | 194 | 190 |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 218       | 218 | 218 | 220 | 222 | 224 |
| Max. swing diameter                           | U5 | mm              | 228       |     |     |     |     |     |
| Horizontal adjustment range                   |    | mm              | ±0.20     |     |     |     |     |     |
| Vertical adjustment range                     |    | mm              | ±0.14     |     |     |     |     |     |
|                                               | A  | mm              | 465       |     |     |     |     |     |
|                                               | C  | mm              | 170.2     |     |     |     |     |     |
|                                               | D1 | mm              | 160.3     |     |     |     |     |     |
|                                               | D2 | mm              | 28.3      |     |     |     |     |     |
|                                               | E  | mm              | 190.5     |     |     |     |     |     |
|                                               | E1 | mm              | 95.25     |     |     |     |     |     |
|                                               | F1 | mm              | 108       |     |     |     |     |     |
|                                               | F2 | mm              | 108       |     |     |     |     |     |
|                                               | G  | mm              | 55        |     |     |     |     |     |
|                                               | H  | mm              | 5         |     |     |     |     |     |
|                                               | I  | mm              | 13        |     |     |     |     |     |
|                                               | J  | mm              | 230.4     |     |     |     |     |     |
|                                               | K  | mm              | 18.2      |     |     |     |     |     |
|                                               | K1 | mm              | 9         |     |     |     |     |     |
|                                               | O  | mm              | 350.1     |     |     |     |     |     |
|                                               | O2 | mm              | 57        |     |     |     |     |     |
|                                               | P1 | mm              | 48        |     |     |     |     |     |
|                                               | P2 | mm              | 43        |     |     |     |     |     |
|                                               | S  | mm              | M12 (6x)  |     |     |     |     |     |
|                                               | T  | mm              | 106       |     |     |     |     |     |
|                                               | V  | mm              | 106       |     |     |     |     |     |
|                                               | V1 | mm              | 115       |     |     |     |     |     |
| Cylinder stroke                               |    | mm              | 127.2     |     |     |     |     |     |
| Piston area                                   |    | cm <sup>2</sup> | 10.02     |     |     |     |     |     |
| Operating pressure max.                       |    | bar             | 35        |     |     |     |     |     |
| Working pressure                              |    | bar             | 10-30     |     |     |     |     |     |
| Repeatability accuracy                        |    | mm              | ±0.001    |     |     |     |     |     |
| Weight                                        |    | kg              | 37.8      |     |     |     |     |     |



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| SMW-AUTOBLOK Type                             |    |                 | SRG 5 F |     |     |     |
|-----------------------------------------------|----|-----------------|---------|-----|-----|-----|
| Id. No.                                       |    |                 | 223774  |     |     |     |
| Clamping kit                                  |    |                 | I       | II  | III | IV  |
| Min. clamping diameter                        | U1 | mm              | 48      | 70  | 92  | 114 |
| Max. clamping diameter                        | U2 | mm              | 70      | 92  | 114 | 136 |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 273     | 267 | 263 | 257 |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 298     | 298 | 298 | 299 |
| Max. swing diameter                           | U5 | mm              | 310     |     |     |     |
| Horizontal adjustment range                   |    | mm              | ±0.20   |     |     |     |
| Vertical adjustment range                     |    | mm              | ±0.14   |     |     |     |
|                                               | A  | mm              | 736.6   |     |     |     |
|                                               | C  | mm              | 235.9   |     |     |     |
|                                               | D1 | mm              | 138.5   |     |     |     |
|                                               | D2 | mm              | 71      |     |     |     |
|                                               | E  | mm              | 263.4   |     |     |     |
|                                               | E1 | mm              | 131.7   |     |     |     |
|                                               | F1 | mm              | 149     |     |     |     |
|                                               | F2 | mm              | 149     |     |     |     |
|                                               | G  | mm              | 65.3    |     |     |     |
|                                               | H  | mm              | 24      |     |     |     |
|                                               | I  | mm              | 9       |     |     |     |
|                                               | J  | mm              | 348.7   |     |     |     |
|                                               | K  | mm              | 22.9    |     |     |     |
|                                               | K1 | mm              | 11.3    |     |     |     |
|                                               | O  | mm              | 141.6   |     |     |     |
|                                               | P1 | mm              | 47.5    |     |     |     |
|                                               | P2 | mm              | 47.5    |     |     |     |
|                                               | S  | mm              | 14      |     |     |     |
|                                               | T  | mm              | 65      |     |     |     |
|                                               | V  | mm              | 154     |     |     |     |
| Cylinder stroke                               |    | mm              | 179     |     |     |     |
| Piston area                                   |    | cm <sup>2</sup> | 19.63   |     |     |     |
| Operating pressure max.                       |    | bar             | 30      |     |     |     |
| Working pressure                              |    | bar             | 7-25    |     |     |     |
| Repeatability accuracy                        |    | mm              | ±0.002  |     |     |     |
| Weight                                        |    | kg              | 62.6    |     |     |     |



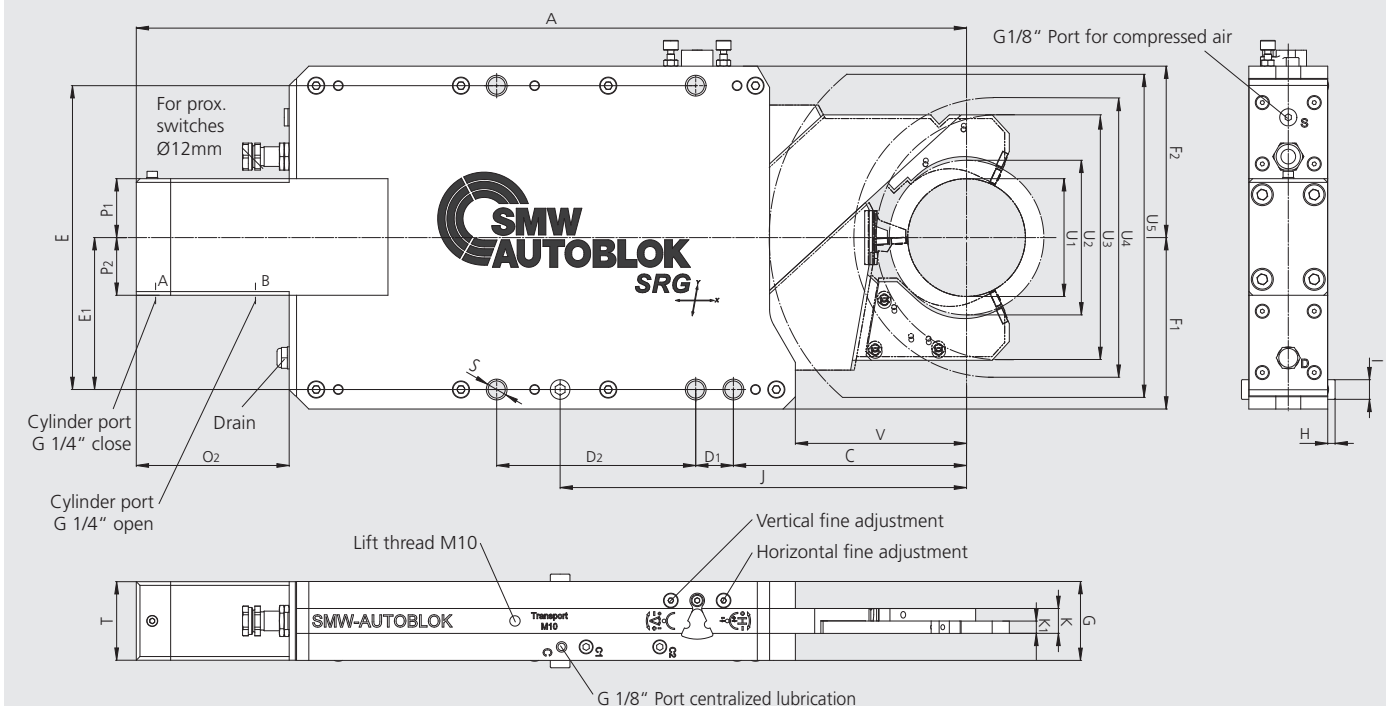
Subject to technical changes.  
For more detailed information please ask our customer service.

| SMW-AUTOBLOK Type                             |    |                 | SRG-B 5 F |     |     |     |
|-----------------------------------------------|----|-----------------|-----------|-----|-----|-----|
| Id. No.                                       |    |                 | 222530    |     |     |     |
| Clamping kit                                  |    |                 | I         | II  | III | IV  |
| Min. clamping diameter                        | U1 | mm              | 48        | 70  | 92  | 114 |
| Max. clamping diameter                        | U2 | mm              | 70        | 92  | 114 | 136 |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 273       | 267 | 263 | 257 |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 298       | 298 | 298 | 299 |
| Max. swing diameter                           | U5 | mm              | 310       |     |     |     |
| Horizontal adjustment range                   |    | mm              | ± 0.20    |     |     |     |
| Vertical adjustment range                     |    | mm              | ± 0.14    |     |     |     |
|                                               | A  | mm              | 624       |     |     |     |
|                                               | C  | mm              | 235.9     |     |     |     |
|                                               | C1 | mm              | 243.7     |     |     |     |
|                                               | D1 | mm              | 138.5     |     |     |     |
|                                               | D2 | mm              | 71        |     |     |     |
|                                               | D3 | mm              | 201.7     |     |     |     |
|                                               | E  | mm              | 263.4     |     |     |     |
|                                               | E1 | mm              | 131.7     |     |     |     |
|                                               | F1 | mm              | 149       |     |     |     |
|                                               | F2 | mm              | 149       |     |     |     |
|                                               | G  | mm              | 65.3      |     |     |     |
|                                               | H  | mm              | 9         |     |     |     |
|                                               | I  | mm              | 24        |     |     |     |
|                                               | J  | mm              | 348.7     |     |     |     |
|                                               | K  | mm              | 22.9      |     |     |     |
|                                               | K1 | mm              | 11.1      |     |     |     |
|                                               | O  | mm              | 468       |     |     |     |
|                                               | O2 | mm              | 29        |     |     |     |
|                                               | P1 | mm              | 45        |     |     |     |
|                                               | P2 | mm              | 45        |     |     |     |
|                                               | S  | mm              | M16 (5x)  |     |     |     |
|                                               | T  | mm              | 129.5     |     |     |     |
|                                               | V  | mm              | 154       |     |     |     |
|                                               | V1 | mm              | 156       |     |     |     |
| Cylinder stroke                               |    | mm              | 179       |     |     |     |
| Piston area                                   |    | cm <sup>2</sup> | 16.49     |     |     |     |
| Operating pressure max.                       |    | bar             | 35        |     |     |     |
| Working pressure                              |    | bar             | 10-30     |     |     |     |
| Repeatability accuracy                        |    | mm              | ±0.002    |     |     |     |
| Weight                                        |    | kg              | 76.4      |     |     |     |

# SRG 5.1 FS

Grinding Steady Rests

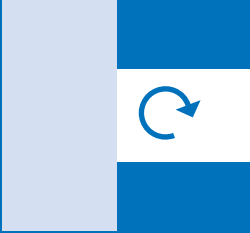
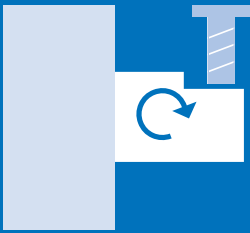
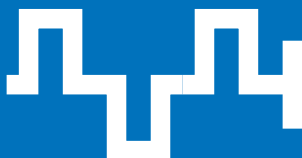
■ Dimensions and technical data



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| SMW-AUTOBLOK Type                             |    | SRG 5.1 FS      |          |     |     |     |     |
|-----------------------------------------------|----|-----------------|----------|-----|-----|-----|-----|
| Id. No.                                       |    | 222665          |          |     |     |     |     |
| Clamping kit                                  |    |                 | I        | II  | III | IV  | V   |
| Min. clamping diameter                        | U1 | mm              | 96       | 102 | 108 | 114 | 120 |
| Max. clamping diameter                        | U2 | mm              | 102      | 108 | 114 | 120 | 126 |
| Max. loading diameter (vertical, steady open) | U3 | mm              | 236      | 234 | 232 | 229 | 228 |
| Max. axial clearance diameter (steady open)   | U4 | mm              | 272      | 272 | 272 | 272 | 272 |
| Max. swing diameter                           | U5 | mm              | 320      |     |     |     |     |
| Horizontal adjustment range                   |    | mm              | ±0.22    |     |     |     |     |
| Vertical adjustment range                     |    | mm              | ±0.17    |     |     |     |     |
|                                               | A  | mm              | 676.6    |     |     |     |     |
|                                               | C  | mm              | 190      |     |     |     |     |
|                                               | D1 | mm              | 30.7     |     |     |     |     |
|                                               | D2 | mm              | 162.2    |     |     |     |     |
|                                               | E  | mm              | 247.6    |     |     |     |     |
|                                               | E1 | mm              | 123.8    |     |     |     |     |
|                                               | F1 | mm              | 139.7    |     |     |     |     |
|                                               | F2 | mm              | 139.7    |     |     |     |     |
|                                               | G  | mm              | 64.3     |     |     |     |     |
|                                               | H  | mm              | 6        |     |     |     |     |
|                                               | I  | mm              | 16       |     |     |     |     |
|                                               | J  | mm              | 331.2    |     |     |     |     |
|                                               | K  | mm              | 20.25    |     |     |     |     |
|                                               | K1 | mm              | 10       |     |     |     |     |
|                                               | O2 | mm              | 124.6    |     |     |     |     |
|                                               | P1 | mm              | 48       |     |     |     |     |
|                                               | P2 | mm              | 47       |     |     |     |     |
|                                               | S  | mm              | 17 (5x)  |     |     |     |     |
|                                               | T  | mm              | 64       |     |     |     |     |
|                                               | V  | mm              | 139.5    |     |     |     |     |
| Cylinder stroke                               |    | mm              | 167.1    |     |     |     |     |
| Piston area                                   |    | cm <sup>2</sup> | 19.63    |     |     |     |     |
| Operating pressure max.                       |    | bar             | 23       |     |     |     |     |
| Working pressure                              |    | bar             | 8 - 18.5 |     |     |     |     |
| Repeatability accuracy                        |    | mm              | ±0.002   |     |     |     |     |
| Weight                                        |    | kg              | 54.8     |     |     |     |     |

# A Steady Rest for every machine and application

| Large clamping range in machine with...<br><br>Steady Rest Characteristics                                | ... <u>unrestricted</u> mounting space for the Steady Rest.                                                                                  | ... <u>restricted</u> mounting space for the Steady Rest.                                                                                                                                                              | ... <u>very restricted</u> mounting space for the Steady Rest.                                                                    |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Turning<br>              | <ul style="list-style-type: none"> <li>■ SLU-X</li> <li>■ SLU</li> </ul>                                                                     | <ul style="list-style-type: none"> <li><input type="checkbox"/> SLU-X</li> <li>■ SLUB</li> <li><input type="checkbox"/> SLU</li> <li>■ K</li> <li><input type="checkbox"/> RX</li> </ul>                               | <ul style="list-style-type: none"> <li><input type="checkbox"/> SLUB</li> <li><input type="checkbox"/> K</li> <li>■ RX</li> </ul> |
| Turning and milling<br> | <ul style="list-style-type: none"> <li><input type="checkbox"/> SLU-X</li> <li><input type="checkbox"/> SLU</li> <li>■ SR   SR-CL</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> SLU-X</li> <li><input type="checkbox"/> SLUB</li> <li><input type="checkbox"/> SR   SR-CL</li> <li>■ K</li> <li><input type="checkbox"/> RX</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> SLUB</li> <li><input type="checkbox"/> K</li> <li>■ RX</li> </ul> |
| Cam and crankshaft<br> | <ul style="list-style-type: none"> <li>■ KLU</li> </ul>                                                                                      | <ul style="list-style-type: none"> <li><input type="checkbox"/> KLU</li> </ul>                                                                                                                                         |                                                                                                                                   |
| Heavy duty<br>         | <ul style="list-style-type: none"> <li>■ SR   SR-CL</li> <li><input type="checkbox"/> K</li> <li><input type="checkbox"/> KA</li> </ul>      | <ul style="list-style-type: none"> <li><input type="checkbox"/> SR   SR-CL</li> <li><input type="checkbox"/> K</li> <li>■ KA</li> </ul>                                                                                |                                                                                                                                   |
| Grinding<br>           | <ul style="list-style-type: none"> <li>■ SRG</li> <li><input type="checkbox"/> SRG-B</li> </ul>                                              | <ul style="list-style-type: none"> <li><input type="checkbox"/> SRG</li> <li>■ SRG-B</li> </ul>                                                                                                                        | <ul style="list-style-type: none"> <li><input type="checkbox"/> SRG-B</li> </ul>                                                  |

This matrix is a recommendation only. It may vary for special applications.

■ first choice    ☐ second choice



**SLU-X®**  
**SLU-B**

**SLUA®**  
**SLUA®-B**

**SR® / -CL**  
**SRA**

**KLU / -A**  
**K**

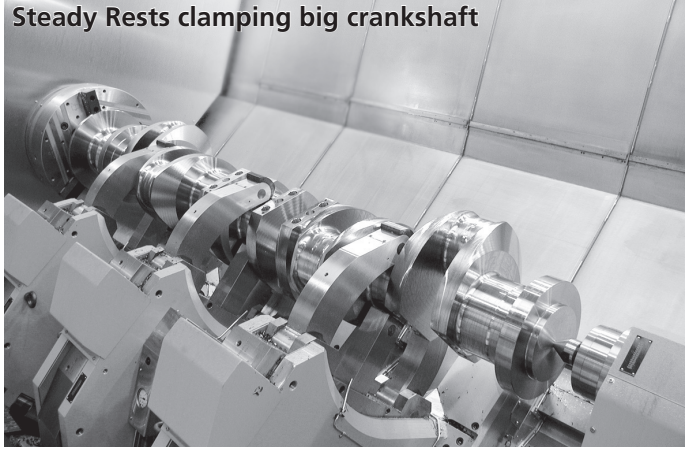
**Our additional program:**

- Special Steady Rests
- Turret Steady Rests
- Crankshaft Steady Rests
- Grinding Steady Rests

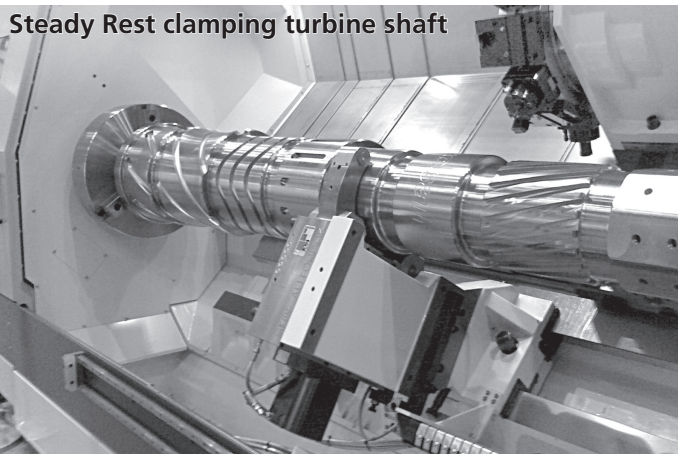
**Steady Rests clamping big crankshaft**



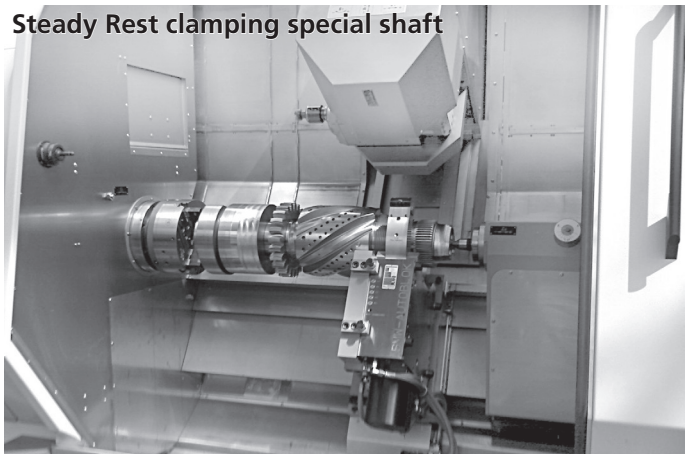
**Steady Rests clamping big crankshaft**



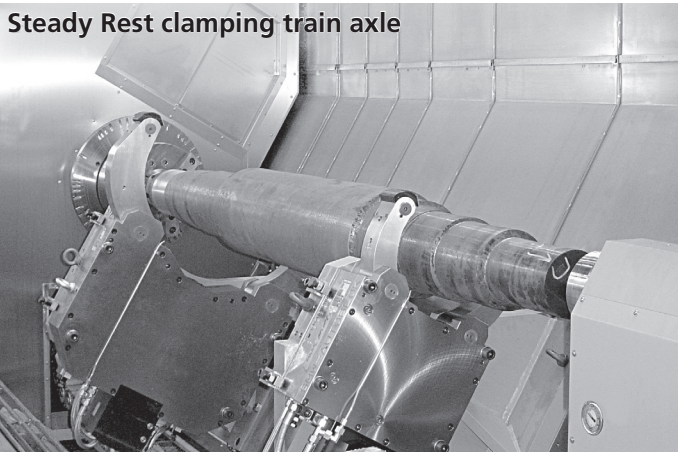
**Steady Rest clamping turbine shaft**



**Steady Rest clamping special shaft**



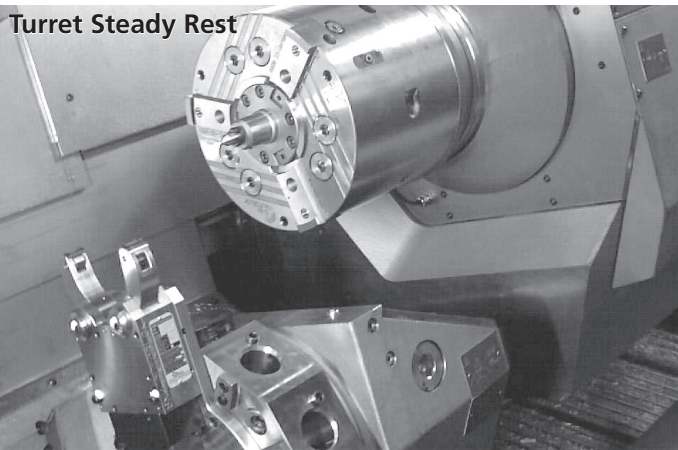
**Steady Rest clamping train axle**



**Steady Rest with diamond pads clamping input shaft in hard turning / grinding operation**



**Turret Steady Rest**



**Steady Rest clamping aircraft shaft**

