

Premium Line Steady Rest with fine adjustment of the turning center **SR-CL**

NEW



proofline® series
fully sealed-low maintenance

SR-CL

Self-centering Steady Rests
Premium Line

Premium Line Steady Rest with fine adjustment of the turning center

Application/customer benefits

- Fine adjustment of the turning center
- Adjustment of heavy workpieces into the turning center while clamped
- In process readjustment of the clamped workpiece compensating for machining related workpiece displacements
- Locking of the Steady Rest position via locking mechanism possible
- Interchangeable with SLU-X and SR series



NEW

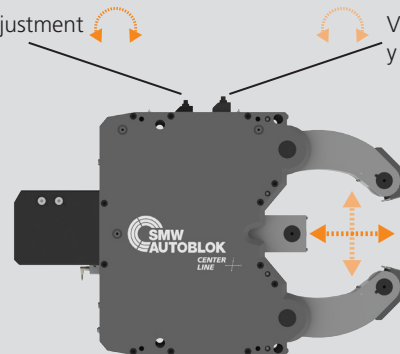


Technical Features

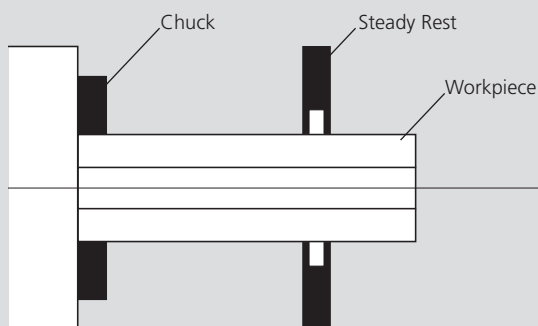
1. Horizontal and vertical micrometer fine adjustment of the center
2. Coolant flush for all 3 rollers
3. Fully sealed body - proofline - low maintenance
4. Rapid actuating cylinder
5. Fully interchangeable with SLU-X and SR series
6. Compressed air

Horizontal fine adjustment
x axis

Vertical fine adjustment
y axis



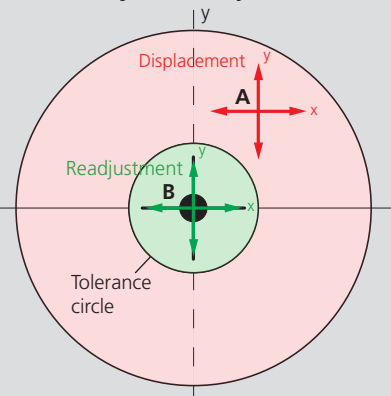
Change of the turning center



Change of the turning center can be caused by:

- Change of the working pressure of the Steady Rest
- Decreasing of the weight of the workpiece while machining
- New clamping position at the work piece with changed clamping diameter

Steady Rest readjustment of the turning center



A Change of the turning center

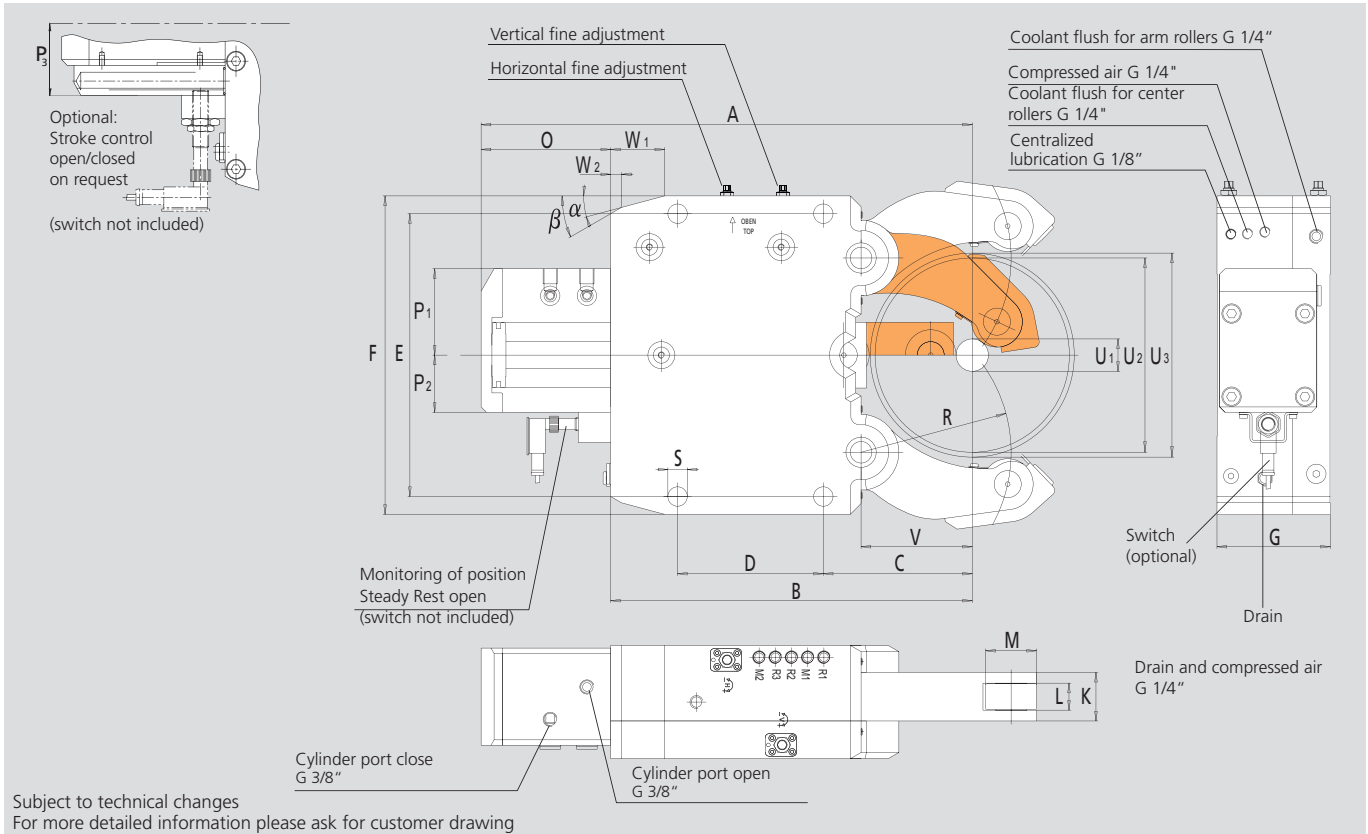
B Exact center position within the tolerance after fine adjustment

- The exact center position within the tolerance is achieved by the fine adjustment

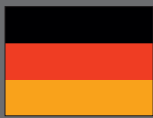
SR-CL

Self-centering Steady Rests Premium Line

Main dimensions and technical data



SMW-AUTOBLOK Type		SR-CL	SR-CL	SR-CL
Size		4	5	5.1
Centering range with coolant chip guard	U1	30	45	85
	U2	245	310	350
Max. axial clearing diameter	U3	253	320	352
Horizontal adjustment range	mm	± 0.3	± 0.4	± 0.4
Vertical adjustment range	mm	± 0.3	± 0.4	± 0.4
	A	603	697	717
	B	448	510	530
	C	146	178	198
	D	240	270	270
	E	365	400	400
	F	405	440	440
	G	130	155	155
	K	60	75	75
Width of rollers	L	25	29	29
Diameter of rollers	M	52	62	62
	O	155	187	187
	P1	91	97	97
	P2	61	63	63
	P3	82	84	84
	R	172	209	229
	S	23	23	23
	V	128	160	180
	W1	58	62	62
	W2	18.3	19.1	19.1
	α	15°	18°	18°
	β	40°	40°	40°
Piston area	cm²	63.6	78.5	78.5
Operating pressure min./max.	bar	8/70	8/80	8/80
Max. clamping force/roller	daN	1500	2000	2000
Centering accuracy within the whole range	mm	0.05	0.06	0.06
Repeatability accuracy	mm	0.007	0.01	0.01
Max. roller surface speed	m/min	715	600	600
Mass	kg	121	178	182



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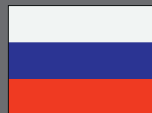
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