

# SLZ - heavy design



## APPLICATION

Support of shafts for rational turning and end machining preferential for heavy solid materials.

## TYPE

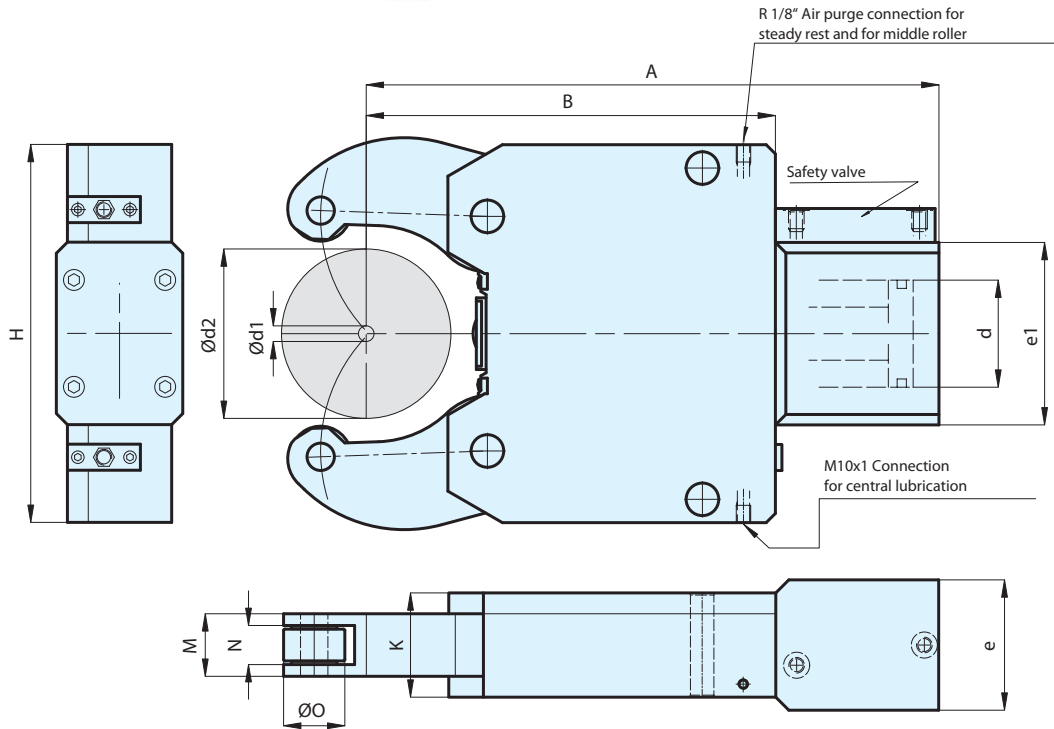
Heavy design for high loads.

## CUSTOMER BENEFITS

- ④ Large clamping range without change elements
- ④ Operational safety thanks to safety valve, even if pressure drops
- ④ Sturdy design for variable use - Increased stability thanks to steady rest fastened with clamping arm axis
- ④ High centering precision and repeatability thanks to proven cam lever system
- ④ Resilient chip protection for optimal workpiece wiping (for version „with chip protection“)
- ④ Purge air connection to prevent penetration of dirt inside the steady rest

## TECHNICAL FEATURES

- Central lubrication or manual lubrication possible, depending on the operating conditions
- Standard version available with cylindrical or convex rollers
- Available with and without chip protection
- Prepared for end position check (limit switch not included in the scope of delivery)
- Recommendation: Higher precision in case of vertical installation of the steady rest



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Self-centering steady rests SLZ heavy design - oil or air operated, heavy design for high loads

Clamping ranges type	SLZ 437	SLZ 5040	SLZ 1546	SLZ 1060	SLZ 3580
Clamping range - with chip protection mm	75-350	75-380	150-430	100-590	350-770
Clamping range - without chip protection mm	40-375	50-400	150-460	100-600	350-800
With chip protectors RZ	685899 ▲	1685722 ▲	685897 ▲	685896 ▲	685895 ▲
With chip protectors RB	685894 ▲	685893 ▲	685892 ▲	685891 ▲	685890 ▲
Without chip protectors RZ	685889 ▲	685888 ▲	685887 ▲	685886 ▲	685885 ▲
Without chip protectors RB	685884 ▲	685883 ▲	685882 ▲	685881 ▲	685880 ▲
d1 mm	40	50	150	100	350
d2 mm	370	400	460	600	800
A mm	1086	1100	1110	1465	1810
B mm	762	800	800	1105	1340
H mm	730	730	730	1020	1270
K mm	170	170	170	270	440
Clamping arm width M mm	90	90	90	170	240
Roller width N mm	60/50	60/50	60/50	104/95	150/138
O mm	80	80	80	160	220
d mm	120	120	120	150	180
e mm	150	150	150	260	370
e1 mm	240	240	240	280	320
Weight kg	490	500	570	2000	4000
Cylinder-Ø	C120	C120	C120	C150	C180
Cylinder surface area cm <sup>2</sup>	113	113	113	176	254
Max. operating pressure bar	100	100	85	90	98
Operating pressure bar	10-40	10-40	10-40	10-40	10-40
Clamping force per roller at max. operating pressure N	15000	15000	15000	23000	32000
Max. permissible clamping force per roller N	35000	35000	40000	50000	80000
Centering accuracy over the entire clamping range mm	0,04*	0,04*	0,04*	0,04*	0,06*
Repeat accuracy for the same clamping-Ø at the same operating pressure mm	0,01	0,01	0,01	0,01	0,01
Max. roller peripheral speed m/min	725	725	725	725	715
Max. roller peripheral speed at half the max. clamping force per roller m/min	875	875	875	875	860
Displacement of the geometrical workpiece center in the event of a 20-70% change in the operating pressure /at constant force) mm	0,06	0,06	0,06	0,06	0,06

\* At constant pressure and clamping force