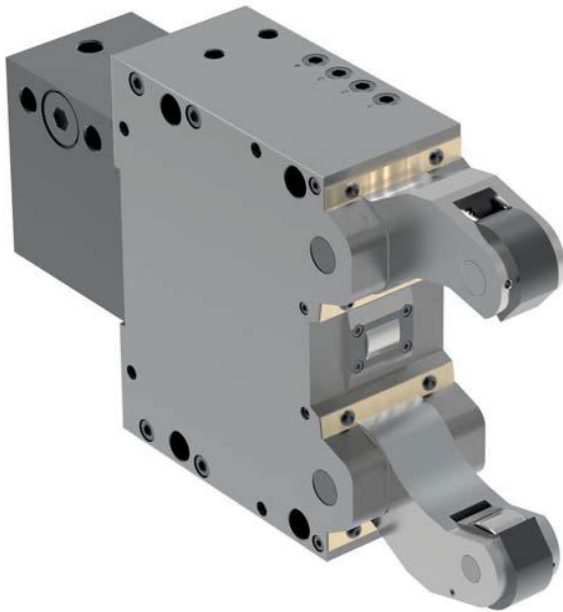


SLZN - standard design



APPLICATION

Support of slender shafts for rational turning and end machining.

TYPE

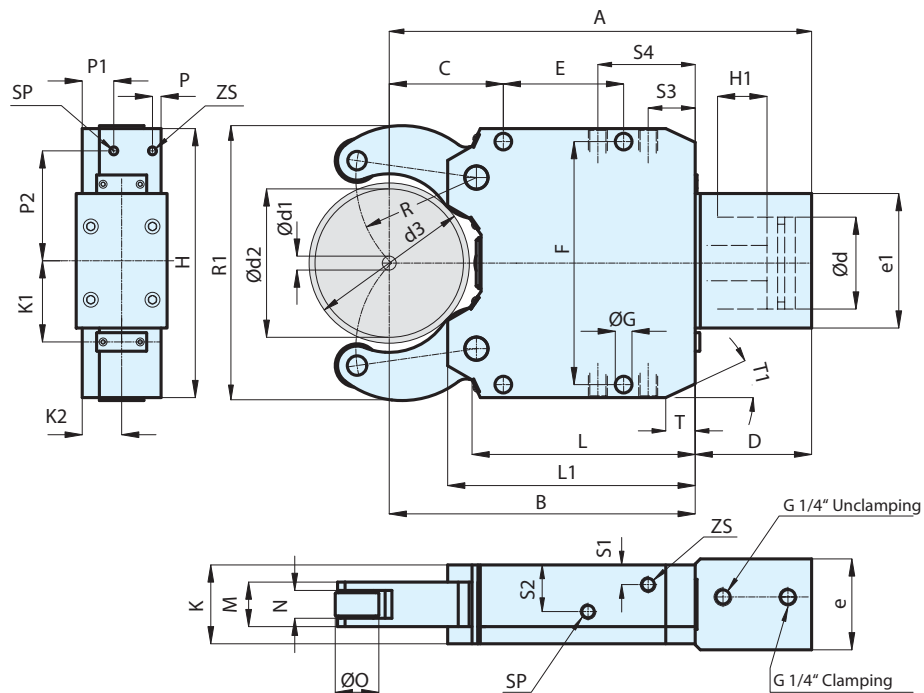
Standard version with cylinder mounted at rear.

CUSTOMER BENEFITS

- ⊕ Large clamping range without change elements
- ⊕ Operational safety thanks to safety valve, even if pressure drops (SLZ-047 optional)
- ⊕ Compact and sturdy design for variable use
- ⊕ High centering precision and repeatability thanks to proven cam lever system
- ⊕ Resilient chip protection for optimal workpiece wiping (for version „with chip protection“)
- ⊕ 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, except SLZ-047 (limit switch not included in the scope of delivery)



SLZN - standard design

C 15

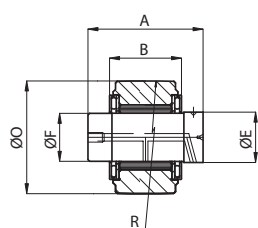
Self-centering steady rests SLZN - oil or air operated with mounted cylinder

Clamping ranges Type	SLZ 047	SLZN 067	SLZN 08105	SLZN 1152	SLZN 1517	SLZN 40200	SLZN 325	SLZN 50315	SLZN 85350
Clamping range - with chip protection mm	15-62	11-70	16-101	22-140	25-158	40-195	40-240	50-305	85-345
Clamping range - without chip protection mm	4-70	6-75	8-105	11-152	15-170	40-200	30-250	50-315	85-350
Max. radial clamping range - d3 mm	70	79	105	161	170	200	250	320	350
With chip protectors RZ	685751	1685567	1685571	1685575 ▲	1685579 ▲	1685583 ▲	1685587 ▲	1685591 ▲	1685595 ▲
With chip protectors RB	685752	1685568	1685572	1685576 ▲	1685580 ▲	1685584 ▲	1685588 ▲	1685592 ▲	1685596 ▲
Without chip protectors RZ	685753	1685569	1685573	1685577 ▲	1685581 ▲	1685585 ▲	1685589 ▲	1685593 ▲	1685597 ▲
Without chip protectors RB	685754	1685570	1685574	1685578 ▲	1685582 ▲	1685586 ▲	1685590 ▲	1685594 ▲	1685598 ▲
d1 mm	4	6	8	11	15	40	30	50	85
d2 mm	70	75	105	152	170	200	250	315	350
d3 mm	70	79	105	161	170	200	250	315	350
A mm	206	214	279,5	432,5	440,5	459,5	617,5	699	716,5
B mm	137	149	197	306	314	333	448	510	530
C mm	51	52	70	115	123	138	146	203	198
D mm	69	65	82,5	126,5	126,5	126,5	162	186,5	186,5
E mm	64	66	85	135	135	135	240	270	270
F mm	118	140	170	262	262	262	365	400	400
G mm	11	11	14	18	18	18	23	23	23
H mm	132	160	190	290	290	290	400	440	440
K mm	54	63	75	85	85	85	110	145	145
L mm	102	108,5	146	223	223	223	328,5	353,5	353,5
L1 mm	115,5	125,5	164	251	251	251	361	394,5	394,5
Clamping arm width M mm	20	28	35	48	48	48	60	75	75
Roller width N mm	11,5/9	17,5/14	20,5/18	30/25	30/25	30/25	40/35	45/40	45/40
O mm	19	24	35	47	47	47	52	60	60
P mm	-	9,75	-	9,5	9,5	9,5	12,5	21,5	21,5
P1 mm	-	8,75	-	34	34	34	12,5	68,5	68,5
P2 mm	-	51,5	-	117,5	117,5	117,5	160	183	183
R mm	48,5	55	74,5	122	130	143,5	178,5	209	229
S1 mm	8	-	10	-	-	-	-	-	-
S2 mm	23	-	40	-	-	-	-	-	-
S3 mm	10	-	28	-	-	-	-	-	-
S4 mm	34,5	-	28	-	-	-	-	-	-
K1 mm	-	51,5	59,5	85	85	85	110	140	140
K2 mm	-	31	36,5	42,5	42,5	42,5	55	59,5	59,5
d mm	40	35	50	80	80	80	100	100	100
e mm	60	62	68	98	98	98	124	142	143
e1 mm	87	22	92	145	145	145	136	156	175
T mm	-	-	-	-	-	-	45	31,5	54,5/22
T1	-	-	-	-	-	-	30°	30°	18°/40°
R1 mm	121	144	190	291	303	326	394	483	512
Weight kg	7	10	14,5	47	47	48	115	185	188
ZS	M 10x1	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"
SP	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"	G 1/8"
Cylinder-Ø	C40	C 35	C50	C80	C80	C80	C100	C100	C100
Cylinder surface area cm2	12,5	9,6	19,6	50	50	50	78,5	78,5	78,5
Max. operating pressure bar	25	54	53	62	68	40	57	80	61
Operating pressure bar	6-20	6-30	8-30	8-40	8-44	8-25	8-42	8-58	8-40
Clamping force per roller at max. operating pressure N	830	960	1960	6500	6500	4160	11000	15000	10460
Max. permissible clamping force per roller N	1040	1700	3500	10000	10000	6670	15000	20000	16000
Clamping force per roller at 20 bar N	830	640	1300	3300	3300	3300	5200	5200	5200
Centering accuracy over the entire clamping range mm	0,02*	0,02*	0,02*	0,04*	0,04*	0,04*	0,05*	0,06*	0,06*
Repeat accuracy for the same clamping-Ø at the same operating pressure mm	0,005	0,005	0,005	0,005	0,005	0,005	0,005	0,01	0,01
Max. roller peripheral speed m/min	800	800	800	725	725	725	715	700	700
Max. roller peripheral speed at half the max. clamping force per roller m/min	900	900	950	875	875	875	860	850	850
Displacement of the geometrical workpiece center in the event of a 20-70% change in the operating pressure /at constant force) mm	0,02	0,02	0,02	0,03	0,03	0,03	0,03	0,03	0,03

* At constant pressure and clamping force

Accessories SLZN

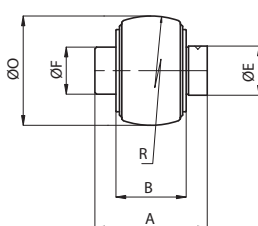
C 15 Cylindrical rollers



Item no.	For	A mm	B mm	Ø F mm	Ø O mm	Ø E mm	R mm
735120	SLZ 047	20	11,5	6	19	6	500
1835444	SLZN 067	28	17,5	8	24	8	500
1835388	SLZN/SLZNB 08105	31	20,5	15	35	15	500
649513	SLZN/SLZNB 1152, SLZN/SLZNB 1517, SLZN/SLZNB 40200	48	30	20	47	21	1000
649514	SLZN/SLZNB 325	60	40	20	52	21	3000
381420	SLZN/SLZNB 50315, SLZN/SLZNB 85350	75	45	20,1	60	21	3000

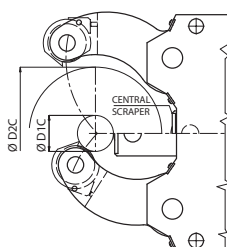
Rollers SLZ 047 and SLZNB 08105 without axle

C 15 Convex rollers



Item no.	For	A mm	B mm	Ø F mm	Ø O mm	Ø E mm	R mm
835542	SLZ 047	20	11,5	6	19	6	100
1835572	SLZN 067	28	17,5	8	24	8	100
1835513	SLZN/SLZNB 08105	31	20,5	15	35	15	100
649515	SLZN/SLZNB 1152, SLZN/SLZNB 1517, SLZN/SLZNB 40200	48	30	20	47	21	100
649516	SLZN/SLZNB 325	60	40	20	52	21	100
381426	SLZN/SLZNB 50315, SLZN/SLZNB 85350	75	45	20,1	60	21	500

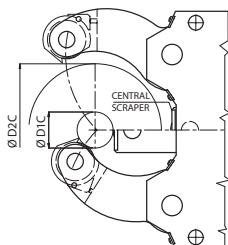
C 15 Central scraper RZ



Item no.	For	Clamping ranges D1C mm	Clamping ranges D2C mm
836591	SLZ 047	15	62
1835423	SLZN 067	11	70
1835391	SLZN/SLZNB 08105	16	101
1831222	SLZN/SLZNB 1152	22	140
1831134	SLZN/SLZNB 1517, SLZN/SLZNB 40200	25/40	158/195
735005	SLZN/SLZNB 325	40	240
836584	SLZN/SLZNB 50315, SLZN/SLZNB 85350	50/85	305/345

Accessories SLZN

C 15 Central scraper RB



Item no.	For	Clamping ranges D1C mm	Clamping ranges D2C mm
1836046	SLZ 047	15	62
1835573	SLZN/SLZNB 067	11	70
1835606	SLZN/SLZNB 08105	16	101
1831220	SLZN/SLZNB 1152	22	140
1831282	SLZN/SLZNB 1517, SLZN/SLZNB 40200	25/40	158/195
1831403	SLZN/SLZNB 325	40	240
836820	SLZN 50315, SLZN 85360	50/85	305/345

C 15 Chip protector outer Set = 2 Pieces



Item no.	For	Clamping ranges D1C mm	Clamping ranges D2C mm
836609	SLZ 047	15	62
1835435	SLZN 067	11	70
836610	SLZN/SLZNB 08105	16	101
836611	SLZN/SLZNB 1152, SLZN/SLZNB 1517, SLZN/SLZNB 40200	22/25/40	140/158/195
836612	SLZN/SLZNB 325	40	240
836613	SLZN/SLZNB 50315, SLZN/SLZNB 85350	50/85	305/345

