

LOCKED PLK

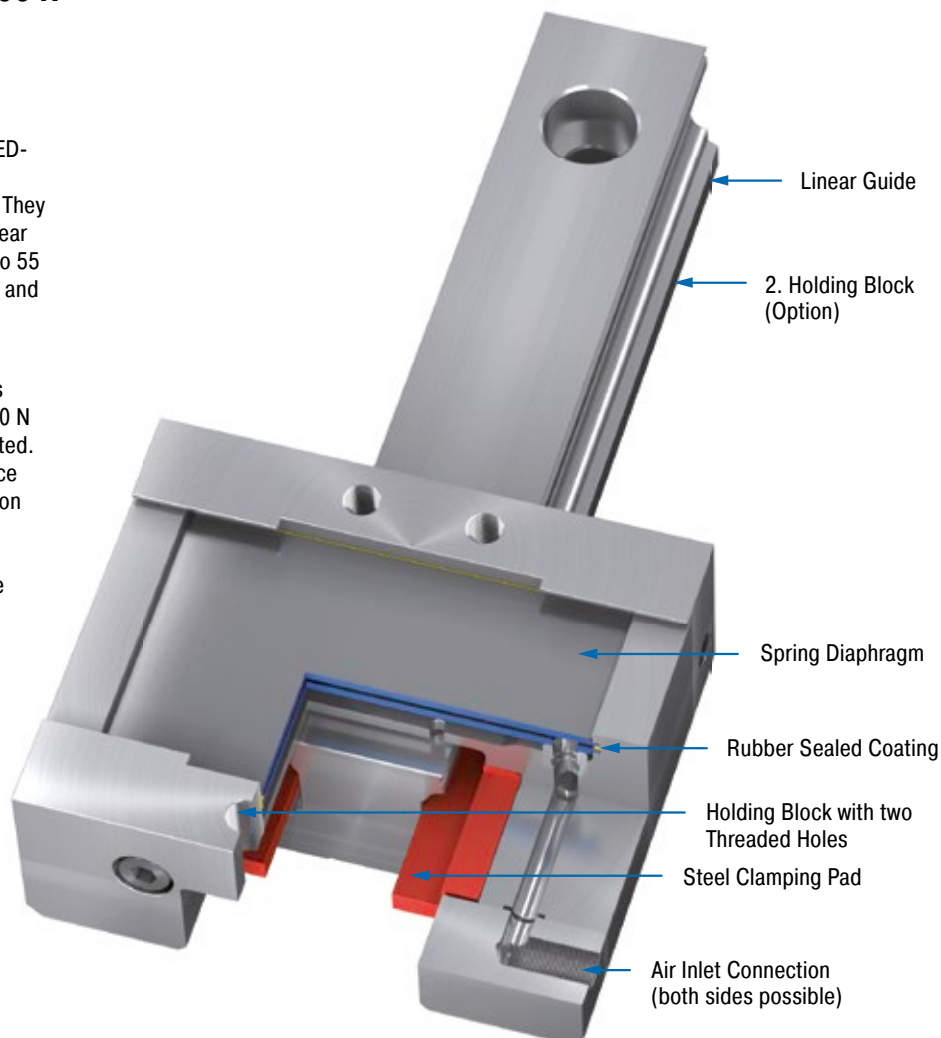
High clamping power for all compact design rail profiles

Process Clamping for Rail Systems, Compact
Holding forces 300 N to 2,100 N

Small can clamp perfectly too: The LOCKED-Family PLK clamping elements are more compact than the Series PL components. They also clamp directly onto the respective linear guide, suit all standard rail sizes from 15 to 55 mm and profiles from the known suppliers and are extremely reliable and space-saving.

Thanks to the patented spring steel plate system, the LOCKED-Family PLK achieves clamping and holding forces of up to 2,100 N with the shortest reaction times when vented. LOCKED PLK achieve 100 % clamping force due to the steel pads that are used, even on greased rails. The clamping elements represent the maximum holding forces. Whether in the 4 or 6 bar version, they are good for up to 1 million cycles.

LOCKED PLK clamping elements from ACE are primarily used in mechanical engineering and customised machines.



Technical Data

Holding forces: 300 N to 2,100 N

Rail sizes: 15 mm to 55 mm

Clamping cycles: 1,000,000

Mounting: In any position

Operating pressure: 4 bar (automotive) or 6 bar

Material: Outer body: Tool steel

Pneumatic medium: Dried, filtered air

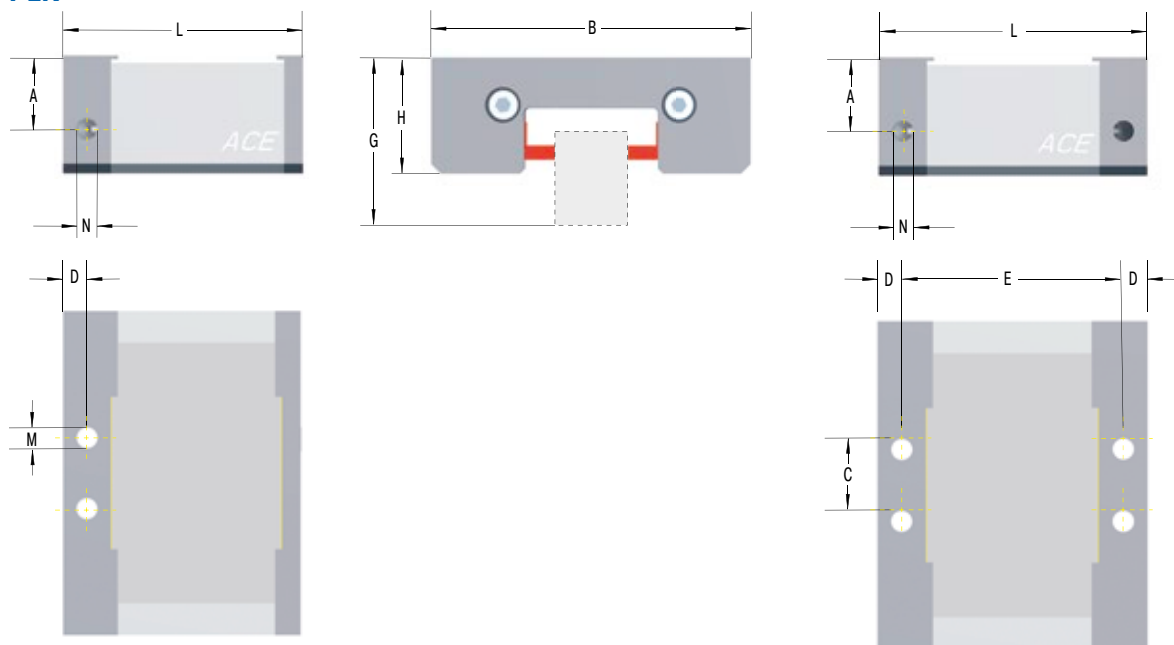
Operating temperature range: 15 °C to 45 °C

Application field: Tool machines, Transport systems, Feeder installations, Positioning tables, Assembly stations

Note: If requested installation drawings of the respective types are provided.

On request: Special designs on request.

PLK



The calculation and selection of the most suitable clamping element should be carried out or be approved by ACE.

Complete details required when ordering

Operating pressure: 4 bar or 6 bar
Number of holding blocks
Rail manufacturer, rail type, rail size
Carriage type name
Number of clamping cycles per hour

Ordering Example

Linear Process Clamping Compact _____
Rail Nominal Size 55 mm _____
Number of Holding Blocks 2 _____
6B = 6 bar Type _____
4B = 4 bar Type _____
Series Number assigned by ACE _____

PLK55-2-6B-X

Performance and Dimensions

								Low Carriage			High Carriage					
TYPES	1 Holding force	Operating pressure	B	C	D	E	L	A	G	H	A	G	H	M	N	Weight
	N	bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			kg
PLK15-1-4B	300	4	45	12	5	-	55.5	14.0	24	18	14.0	-	-	M5	M5	0.50
PLK15-1-6B	450	6	45	12	5	-	55.5	14.0	24	18	14.0	-	-	M5	M5	0.50
PLK20-1-4B	430	4	54	16	5	-	55.5	16.0	30	22	16.0	-	-	M6	M5	0.60
PLK20-1-6B	650	6	54	16	5	-	55.5	16.0	30	22	16.0	-	-	M6	M5	0.60
PLK25-1-4B	530	4	75	16	5	-	55.5	16.0	36	25.5	16.0	40	29.5	M6	M5	0.70
PLK25-1-6B	800	6	75	16	5	-	55.5	16.0	36	25.5	16.0	40	29.5	M6	M5	0.70
PLK30-1-4B	750	4	82	18	8.75	-	67	21.0	42	30	21.0	45	33	M8	M5	0.90
PLK30-1-6B	1,150	6	82	18	8.75	-	67	21.0	42	30	21.0	45	33	M8	M5	0.90
PLK35-1-4B	820	4	96	22	8.75	-	67	21.2	48	35	21.2	55	42	M10	G1/8	1.27
PLK35-1-6B	1,250	6	96	22	8.75	-	67	21.2	48	35	21.2	55	42	M10	G1/8	1.27
PLK45-1-4B	950	4	116	28	10	-	80	27.5	60	45	27.5	70	55	M10	G1/8	2.00
PLK45-1-6B	1,500	6	116	28	10	-	80	27.5	60	45	27.5	70	55	M10	G1/8	2.00
PLK45-2-4B	950	4	116	28	10	72	92	27.5	60	45	27.5	70	55	M10	G1/8	2.20
PLK45-2-6B	1,500	6	116	28	10	72	92	27.5	60	45	27.5	70	55	M10	G1/8	2.20
PLK55-1-4B	1,300	4	136	34	10	-	100	30.5	70	49	30.5	80	59	M10	G1/8	2.80
PLK55-1-6B	2,100	6	136	34	10	-	100	30.5	70	49	30.5	80	59	M10	G1/8	2.80
PLK55-2-4B	1,300	4	136	34	10	92	112	30.5	70	49	30.5	80	59	M10	G1/8	3.00
PLK55-2-6B	2,100	6	136	34	10	92	112	30.5	70	49	30.5	80	59	M10	G1/8	3.00

¹ The holding forces as shown in the capacity chart were determined on dry rails for roller systems (STAR, INA). Different holding forces may occur for other rails.