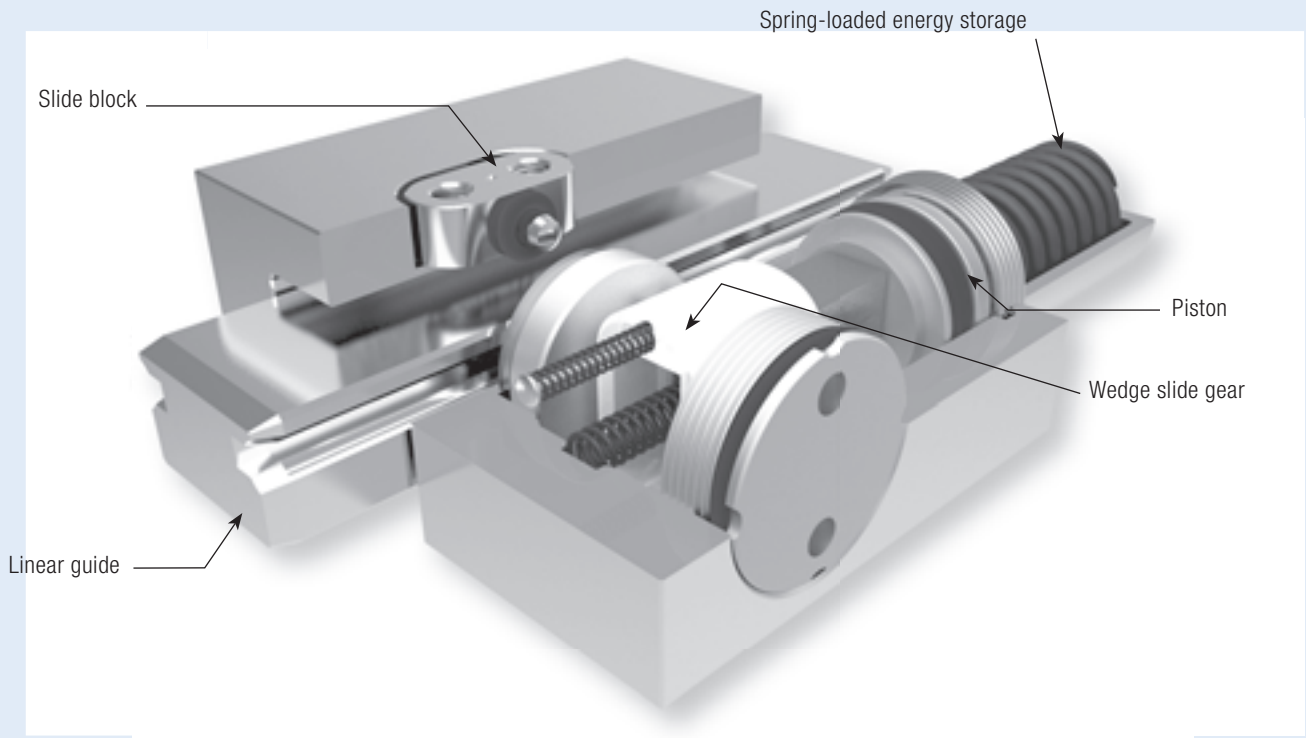
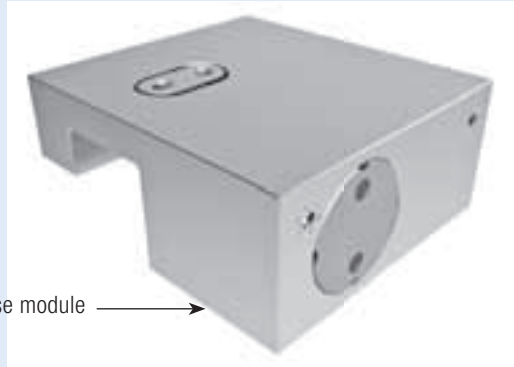


New product for miniature section rails:
Miniature clamping MCP/MCPS.

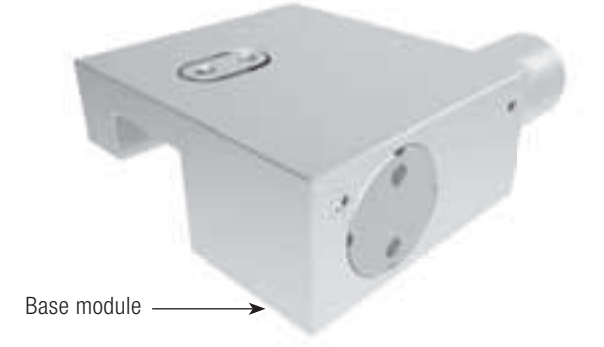
The MCP/MCPS series was developed specially for miniature guide rails and can be used for miniature rail sizes from 5–25. They are asymmetrically arranged with respect to the rail axis,which makes it possible to keep the carriage width on one side.

The wrap-around clamp is floating, consequently there are no transverse forces in adjoining structures. This also enables a friction connection for the contact sections between the element and linear guide.

MCP Series



MCPS Series



Technical data for MCP series:

Rail size	5–25
Holding forces	130 N–550 N
Min. pressure	6 bar
Max. pressure	8 bar
spring-loaded energy storage	-
PLUS connection	-
Clamping cycles	5 mil. (B10d-value)
Braking cycles	unsuitable

Technical data for MCPS series:

Rail size	5–25
Holding forces	80 N–400 N
Min. pressure	5.5 bar
Max. pressure	8 bar
Spring-loaded energy storage	√
PLUS-connection	√
Clamping cycles	5 mil. (B10d-value)*
Braking cycles	unsuitable

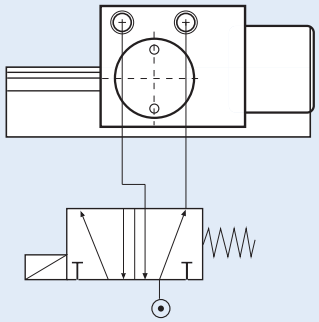
Application scenarios for MCP:
- Clamping of machine tables
- Positioning of axes
- Fixing of vertical axes in neutral position

Application scenarios for MCPS:
- Clamping in case of pressure drop
- Clamping without energy requirement

Connection options for MCP/MCPS:
The MCP/MCPS series have only one air connection on the side.

Higher supporting forces with PLUS connection (MCPS):
By using a 5/2 (overflow-free) or 5/3 valve it is possible to support the spring power with pneumatic pressure. By using the PLUS connection, thestated supporting force will be increased.
When the PLUS connection (MCPS only) is being used the air-release filter is replaced by connecting a second pneumatic tube (see drawing).
For further information, please refer to the assembly instructions or visit www.zimmer-gmbh.com.

*Note: With PLUS connection, the B10d value is not achieved.



Rail manufacturer	Type of rail	Size	Type of carriage	Item number	Adapting plate [for height compensation]	Measure D [mm] *1	Measure table [page 66]
THK The Mark of Linear Motion	SRS	7	SRS..M		✆	8	✆
		9	SRS..M, SRS..N		MCP/MCPS 0901 H	10	5
		12	SRS..M, SRS..N		MCP/MCPS 1201 A	13	2
		15	SRS..M, SRS..N		MCP/MCPS 1501 H	16	3
		20	SRS..M		MCP/MCPS 2001 A	20	4
		25	SRS..M		✆	25	✆
	RSR	7	RSR..M, RSR..N, RSR..ZM, RSH..M		✆	8	✆
		9	RSR..KM, RSR..N, RSR..ZM, RSH..KM		MCP/MCPS 0901 A	10	1
		12	RSR..VM, RSR..N, RSR..ZM, RSH..VM		MCP/MCPS 1201 M	13	2
		15	RSR..VM, RSR..N, RSR..ZM		MCP/MCPS 1501 M	16	3
		20	RSR..VM, RSR..N		✆	25	✆
	EPF	7	EPF..M		✆	8	✆
		9	EPF..M		✆	10	✆
		12	EPF..M		✆	13	✆
		15	EPF..M		X	16	X
Rail manufacturer							
Rexroth Bosch Group	0445	7	R0442, R0444		✆	8	✆
		9	R0442..9/M3, R0444..9/M3		MCP/MCPS 0901 A	10	1
		12	R0442, R0444		MCP/MCPS 1205 A	13	2
		15	R0442, R0444		MCP/MCPS 1505 A	16	3
		20	R0442		MCP/MCPS 2005 A	25	6
Rail manufacturer							
SCHNEEBERGER	MN	7	MNN, MNNL, MNNXL		✆	8	✆
		9	MNN, MNNL, MNNXL		MCP/MCPS 0901 A	10	1
		12	MNN, MNNL, MNNXL		✆	13	✆
		15	MNN, MNNL, MNNXL		MCP/MCPS 1504 A	16	3
Rail manufacturer							
IKO	LWL	5	LWLC..B, LWLC..N, LWL..B, LWL..N		✆	6	✆
		7	LWLC..B, LWLC..N, LWL..B, LWL..N, LWLG..B, LWLG..N		✆	8	✆
		9	LWLC..B, LWLC..N, LWL..B, LWL..BCS, LWL..N, LWLG..B, LWLG..N		✆	10	✆
		12	LWLC..B, LWL..B, LWL..BCS, LWLG..B, LWL..CS		MCP/MCPS 1201 A	13	2
		15	LWLC..B, LWL..B, LWL..BCS, LWLG..B, LWL..CS		MCP/MCPS 1504 A	16	3
		20	LWLC..B, LWL..B, LWL..BCS, LWLG..B		MCP/MCPS 2001 A	20	4
		25	LWLC..B, LWL..B, LWLG..B		✆	25	✆
	ML	5	MLC, ML		✆	6	✆
		7	MLC, ML, MLG		✆	8	✆
		9	MLC, ML, MLG		✆	10	✆
		12	MLC, ML, MLG		✆	13	✆
		15	MLC, ML, MLG		MCP/MCPS 1504 A	16	3
		20	MLC, ML, MLG		✆	20	✆
		25	MLC, ML, MLG		✆	25	✆
Rail manufacturer							
INA	TKDM (KUEM)	5	KWEM, KWEM..-C		✆	6	✆
		7	KWEM, KWEM..-L, KWEM..-C		✆	8	✆
		9	KWEM, KWEM..-L, KWEM..-C		✆	10	✆
		12	KWEM, KWEM..-L, KWEM..-C		MCP/MCPS 1201 A	13	2
		15	KWEM, KWEM..-L, KWEM..-C		MCP/MCPS 1504 A	16	3
	TKMD..-C (KUME..-C)	12	KWME..-C		MCP/MCPS 1201 A	13	2
		15	KWME..-C		MCP/MCPS 1504 A	16	3

X: not feasible
*1 Supplements the measure table and datasheet

See page 10 for part number explanation

Type of rail	Size	Item number	[for height compensation]	Measure D [mm] *[1]	[page 66]
MGN	7	MGN..C, MGN..H	✆	8	✆
	9	MGN..C, MGN..H	✆	10	✆
	12	MGN..C, MGN..H	MCP/MCPS 1201 A	13	2
	15	MGN..C, MGN..H	MCP/MCPS 1504 A	16	3

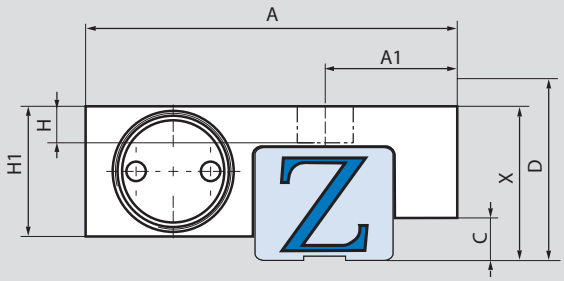
Rail manufacturer
HIWIN
Lineartechnologie

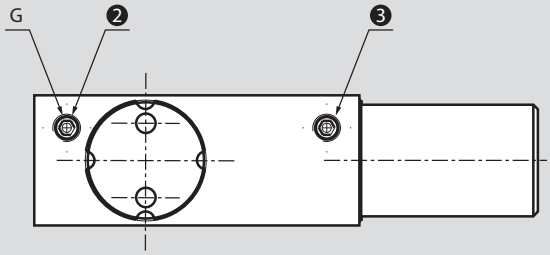
PU	5	PAU..TR	✆	6	✆
	7	PAU..AR	✆	8	✆
	9	PAU..TR	MCP/MCPS 0901 A	10	1
	12	PAU..TR	MCP/MCPS 1201 A	13	2
	15	PAU..AL	MCP/MCPS 1504 A	16	3
LU	15	LAU..AL	MCP/MCPS 1504 A	16	3

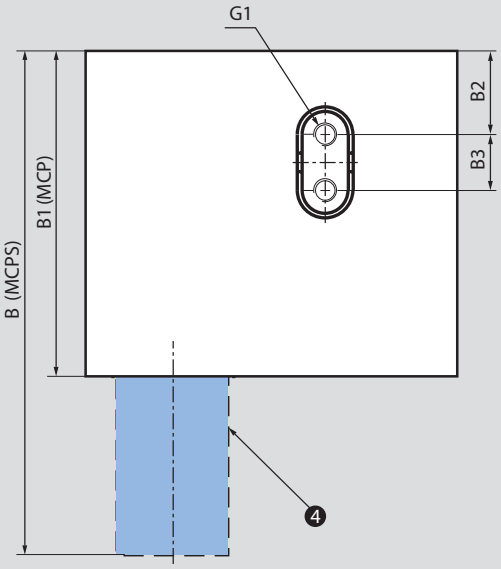
Rail manufacturer
NSK

*[1] Supplements the measure table and datasheet

See page 10 for part number explanation







Note: Consider measurement C/Interfering contour!

G: air connection

❶ MCP Series: Air filter
MCPS: M3 port (air connection)

❷ MCP Series: M3 port (air connection)
MCPS: Air filter / Plus connection M3.

❸ The attachment spring unit on the MCPS is not applicable on the MCP.

Measure table	Holding power [N] MCP	Holding power [N] MCPS	A [mm]	A1 [mm]	B [mm]	B1 [mm]	B2 [mm]	B3 [mm]	C [mm]	X [mm]	G	G1	H [mm]	H1 [mm]
1	130	80	32,5	9,7	52,5	34	8,25	5,5	1,45	10	M3	M2,5	3,3	15
2	280	250	37,5	13,2	52,5	34	8,25	5,5	2,95	13	M3	M2,5	3,5	16
3	320	280	41,5	15,7	52,5	34	8	6	3,95	16	M3	M2,5	3,8	16
4	550	400	48,7	19,7	60	41	10,5	8	2,45	20	M3	M4	6,2	23
5	130	80	32,5	9,7	52,5	34	8,25	5,5	2,15	10	M3	M2,5	3,3	15
6	550	400	48,7	19,7	60	41	10,5	8	7,45	25	M3	M4	6,2	23