

Miniature Slide Units

Material: Slides, rail and balls: Stainless steel 1.4034.
Cage and end pieces: Plastic.



Technical data:

- Speed: Up to 3 m/s.
- Acceleration: Up to 80 m/s².
- Accuracy class: P5 (standard, for most applications).
- Preload class: T0 (standard, slight clearance).
Other accuracy classes and preload classes on request.
- Temperature range: -20°C to +80°C.
Four rail widths to choose from (7, 9, 12 and 15 mm).

Lubrication: Prelubricated with „Paraliq P460“.
Relubrication intervals depend on the type of application.

Ready-to-mount, pre-assembled. for limited stroke. Especially compact construction. High running accuracy (5 µm/100 mm stroke). Extremely smooth motion. All technical parameters were set to ensure high system stiffness and precision guidance.

Contents of Delivery: One slide mounted on a rail.

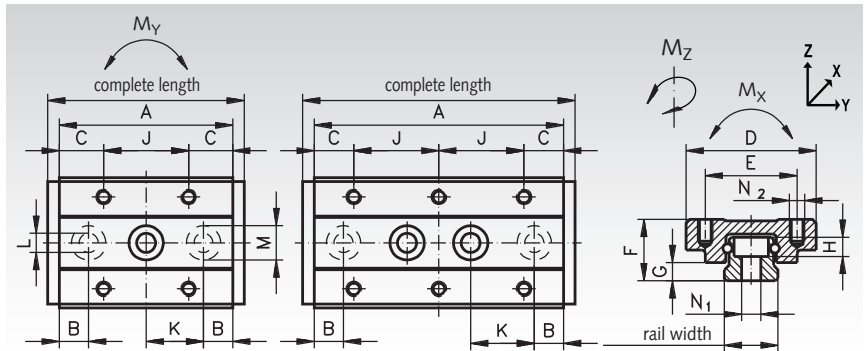
Application:

- Pneumatics.
- Semi Conductors manufacturing.
- Medical.
- electronics and micro assembly.
- Precision engineering.
- Measuring applications.

Advantages:

- Compact design.
- High load bearing capacity.
- Excellent running accuracy.
- Smooth running.
- High stiffness.
- Easy mounting.

Ordering Details: e.g.: Product No. 649 701 01, Miniature Slide Overall Length 29 mm



Product No.	Rail Width mm	Overall Length mm	Max. Stroke* mm	A mm	B mm	C mm	Number of Bores		Load Rating		Torques		Weight g
							Slide pcs.	Rail pcs.	dyn. C N	stat. Co N	M _X Nm	M _Y , M _Z Nm	
649 701 01	7	29	24	26	5,5	5	6	2	700	1100	6	3,5	18,4
649 701 02	7	37	34	34	9,5	5	8	2	900	1400	7	5,5	24,2
649 701 03	7	53	50	50	10	5	12	3	1100	2000	10	12	60,5
649 701 04	7	69	66	66	10,5	5	16	4	1400	2700	14	21	79,8
649 701 05	9	35	28	32	8	9,5	4	2	1200	1800	12	7	30,5
649 701 06	9	45	40	42	11	8	6	2	1400	2100	15	11	40,3
649 701 07	9	58	54	55	7,5	8	8	3	1900	3400	19	18	52,3
649 701 08	9	84	78	81	10,5	8	12	4	2500	4900	29	43	76,9
649 701 09	9	97	92	94	7	8	14	5	2700	5500	33	57	87,8
649 701 10	12	40	32	37	6	11	4	2	2200	3300	21	11	64,1
649 701 11	12	54	47	51	13	10,5	6	2	2600	4300	28	22	89,3
649 701 12	12	69	62	66	8	10,5	8	3	3000	5300	36	36	112,9
649 701 13	12	99	95	96	10,5	10,5	12	4	3800	7200	52	76	167,0
649 701 14	12	129	122	126	13	10,5	16	6	4700	9700	68	131	217,4
649 701 15	15	56	50	52	6	16,0	4	2	2800	3900	42	25	134,4
649 701 16	15	89	80	85	22,5	12,5	8	2	4600	7800	70	73	219,7
649 701 17	15	109	102	105	12,5	12,5	10	3	5100	9100	84	106	273,0
649 701 18	15	169	162	165	22,5	12,5	16	4	7300	15000	131	264	426,4

* Overall stroke from one mechanical end stop to the other.

Further Dimensions

Rail Width	D mm	E mm	F mm	G mm	H mm	J mm	K mm	L mm	M mm	N ₁ mm	N ₂ mm
7	17	12	8	2,35	2,5	8	15	2,5	4,5	M3	M2 x 2,5
9	20	15	10	3,55	3,5	13	20	3,5	6	M4	M3 x3
12	27	20	13	4,7	4,5	15	25	3,5	6	M4	M3 x 3,5
15	32	25	16	6	4,5	20	40	3,5	6	M4	M3 x 4