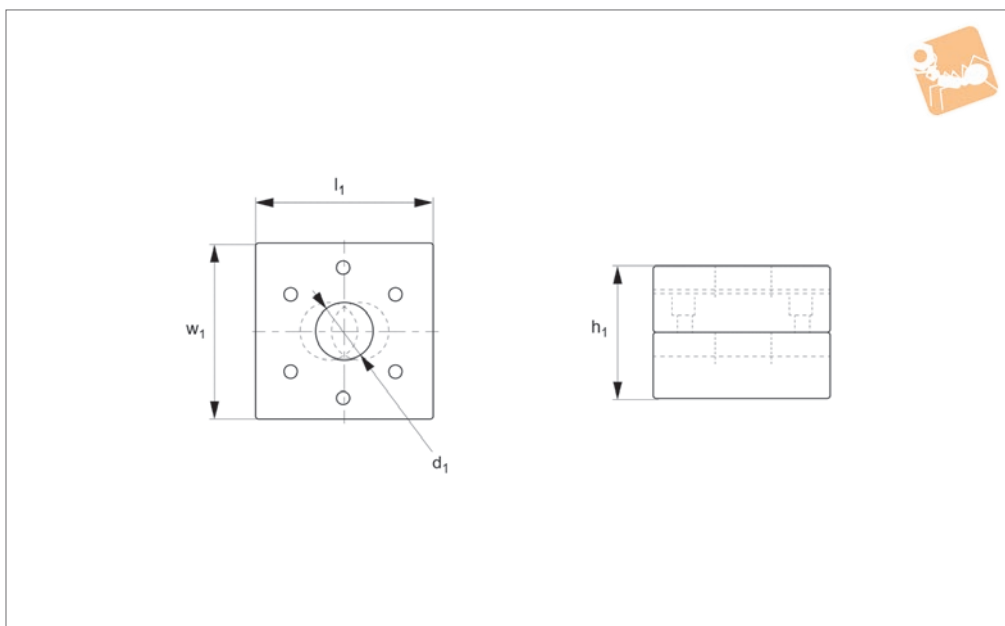




Plain Positioning XY Stages

XY Stage, main dimensions

Manual Positioning Stages



L3104

MANUAL POSITIONING STAGES

Material

Aluminium carriage and base, black anodised steel fixing, hardened steel shafts and balls and roller elements

Technical Notes

Ball roller versions recommended for light loads. Cross roller versions for heavier

loads and moment loads.

Straight line accuracy 12µ/25mm travel.

Repeatability 3µ.

These plain units are supplied with no micrometers, no micrometer brackets and no springs.

For further fixing and mounting hole

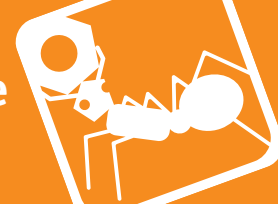
dimensions please see part number L3100.FH.

Important Notes

Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

3D CAD available.

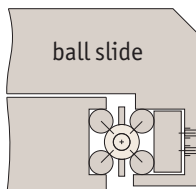
Order No.	Type	Travel	h_1	l_1	w_1	Through hole d_1	Load X & XY kg max.	X moment load Nm max.	Y moment load Nm max.	Z moment load Nm max.	Weight kg
L3104.0101-B	XY Ball	13	19.0	31.8	31.8	-	1.8	-	-	-	1.8
L3104.0201-B	XY Ball	13	19.0	44.5	44.5	-	1.8	-	-	-	1.8
L3104.0301-B	XY Ball	13	31.8	38.1	38.1	8	5.4	0.50	0.68	0.71	5.4
L3104.0451-B	XY Ball	25	38.1	44.5	44.5	-	9.1	0.96	1.13	1.19	9.1
L3104.0452-B	XY Ball	25	38.1	44.5	44.5	13	9.1	0.96	1.13	1.19	9.1
L3104.0751-B	XY Ball	25	50.8	66.5	66.5	-	27.2	4.94	5.75	6.04	27.2
L3104.0752-B	XY Ball	25	50.8	66.5	66.5	25	27.2	4.94	5.75	6.04	27.2
L3104.1202-B	XY Ball	50	46.2	79.2	79.2	-	13.6	2.89	1.95	2.05	13.6
L3104.1204-B	XY Ball	50	46.2	79.2	79.2	25	13.6	2.89	1.95	2.05	13.6
L3104.2205-B	XY Ball	75	46.2	104.6	104.6	-	13.6	4.80	3.04	3.21	13.6
L3104.2206-B	XY Ball	75	46.2	104.6	104.6	38	13.6	4.80	3.04	3.21	13.6
L3104.3205-B	XY Ball	100	46.2	130.2	130.2	-	13.6	4.80	3.04	3.21	13.6
L3104.3206-B	XY Ball	100	46.2	130.2	130.2	51	13.6	7.11	4.05	4.25	13.6
L3104.0101-R	XY Roller	13	19.0	31.8	31.8	-	10.4	-	-	-	10.4
L3104.0201-R	XY Roller	13	19.0	44.5	44.5	-	10.4	-	-	-	10.4
L3104.0301-R	XY Roller	13	31.8	38.1	38.1	8	18.1	1.67	2.26	2.37	18.1
L3104.0451-R	XY Roller	25	38.1	44.5	44.5	-	18.1	1.92	2.26	2.37	18.1
L3104.0452-R	XY Roller	25	38.1	44.5	44.5	13	18.1	1.92	2.26	2.37	18.1
L3104.0751-R	XY Roller	25	50.8	66.5	66.5	-	54.4	9.88	11.50	12.07	54.4
L3104.0752-R	XY Roller	25	50.8	66.5	66.5	25	54.4	9.88	11.50	12.07	54.4
L3104.1202-R	XY Roller	50	46.2	79.2	79.2	-	38.5	8.19	5.53	5.81	38.5
L3104.1204-R	XY Roller	50	46.2	79.2	79.2	25	38.5	8.19	5.53	5.81	38.5
L3104.2205-R	XY Roller	75	46.2	104.6	104.6	-	38.5	13.60	8.60	9.10	38.5
L3104.2206-R	XY Roller	75	46.2	104.6	104.6	38	38.5	13.60	8.60	9.10	38.5
L3104.3205-R	XY Roller	100	46.2	130.2	130.2	-	38.5	13.60	8.60	9.10	38.5
L3104.3206-R	XY Roller	100	46.2	130.2	130.2	51	38.5	20.15	11.47	12.05	38.5



There are two different load ratings for these stages.

Ball slides:

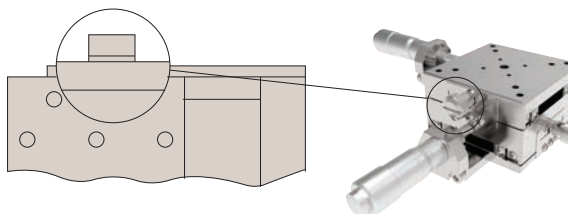
These have precision steel balls rolling in the tracks. They are the least expensive, loads up to 28Kg.



Locking options

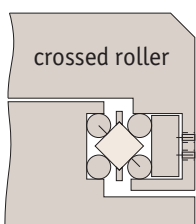
Posi-lock:

Allows locking of the carriage in place with a friction locking mechanism.



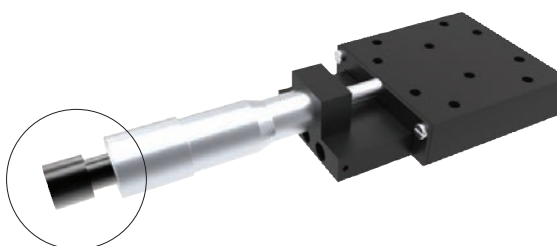
Cross roller slides:

These have the same dimensions but have rollers allowing the slide to carry large loads and absorb greater moment loads up to 54Kg.



Locking micrometer:

Locking of the micrometer to fix the micrometer setting.



Front drive micrometer positioning stages



X Stage

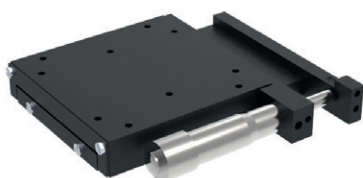


XY Stage

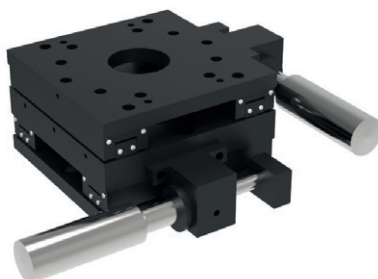


XYZ Stage

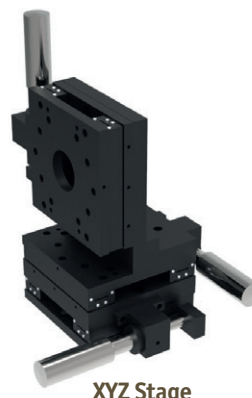
Side drive micrometer positioning stages



X Stage



XY Stage



XYZ Stage

Also available in stainless steel.