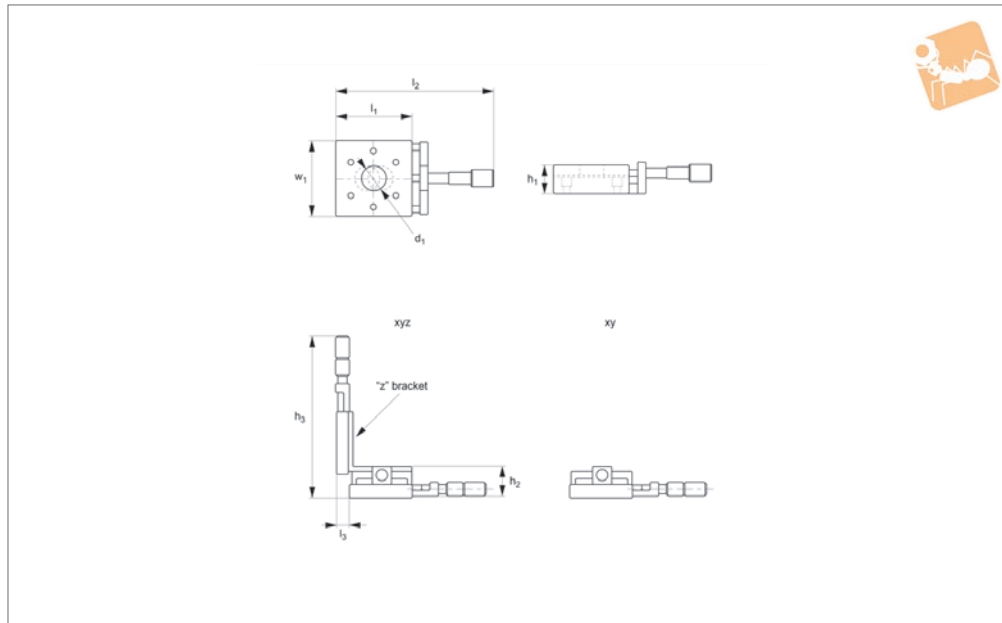




Micrometer Positioning XY, XYZ

front drive, small sizes

Manual Positioning Stages



L3105

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 $12\mu/25\text{mm}$ travel.
Repeatability 3μ .
Spring loaded micrometer allows precise repeatable adjustments with low friction and zero backlash.
Micrometer increments $0,01\text{mm}$.

Tips

Other options:

- LM (locking micrometer).
- PL (posi-lock carriage lock).

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	h_2	h_3	l_1	l_2	l_3	w_1	Weight kg
L3105.0101-XYB	XY Ball	13	9.7	19.0	-	31.8	82.6	-	31.8	1.8
L3105.0201-XYB	XY Ball	13	9.7	19.0	-	44.5	95.3	-	44.5	1.8
L3105.0101-XYR	XY Roller	13	9.7	19.0	-	31.8	82.6	-	31.8	10.4
L3105.0201-XYR	XY Roller	13	9.7	19.0	-	44.5	95.3	-	44.5	10.4
L3105.0101-XYZB	XYZ Ball	13	9.7	19.0	98.3	31.8	82.6	9.7	31.8	1.8
L3105.0201-XYZB	XYZ Ball	13	9.7	19.0	111.0	44.5	95.3	11.3	44.5	1.8
L3105.0101-XYZR	XYZ Roller	13	9.7	19.0	98.3	31.8	82.6	9.7	31.8	10.4
L3105.0201-XYZR	XYZ Roller	13	9.7	19.0	111.0	44.5	95.3	11.3	44.5	10.4

Order No.	Load Z kg max.	Load X & Y kg max.	X moment load Nm max.	Y moment load Nm max.	Z moment load Nm max.
L3105.0101-XYB	0.7	1.8	0.19	0.18	0.18
L3105.0201-XYB	0.7	1.8	0.28	0.27	0.27
L3105.0101-XYR	0.7	10.4	1.09	1.04	1.04
L3105.0201-XYR	0.7	10.4	1.64	1.56	1.56
L3105.0101-XYZB	0.7	1.8	0.19	0.18	0.18
L3105.0201-XYZB	0.7	1.8	0.28	0.27	0.27
L3105.0101-XYZR	0.7	10.4	1.09	1.04	1.04
L3105.0201-XYZR	0.7	10.4	1.64	1.56	1.56

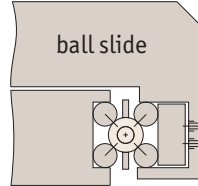




There are two different load ratings for these stages.

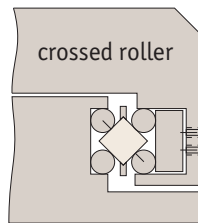
Ball slides:

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



Cross roller slides:

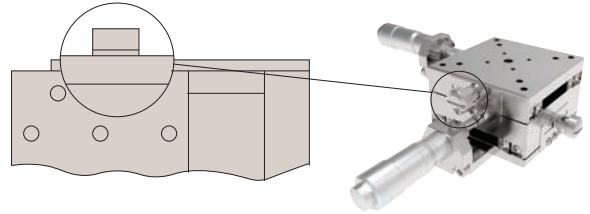
These have the same dimensions but have rollers allowing the slide to carry large loads and absorb greater moment loads up to 54Kg.



Locking options

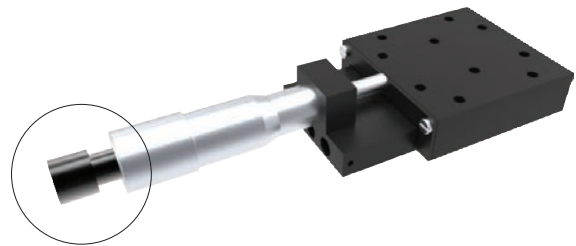
Posi-lock:

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



Locking micrometer:

Locking of the micrometer to fix the micrometer setting.



Front drive micrometer positioning stages



X Stage



XY Stage

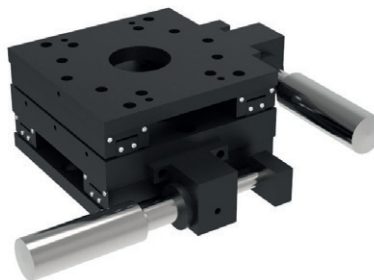


XYZ Stage

Side drive micrometer positioning stages



X Stage



XY Stage



XYZ Stage

Also available in stainless steel.