



Automation offers over 60 models of positioning slides. Available with ballslide construction as standard, and alternatively crossed roller slide construction is available on request.

Used for gauging and positioning light and medium loads, applications include measuring instruments and optical assemblies. Positioners are built with the same rigorous manufacturing demands as our ball slide and crossed roller slide assemblies, offer the benefits of quality construction.

Spring loaded micrometer drives allow repeatable adjustments with low friction and zero backlash. Ballslide sides provide accuracy to 0.01/25 mm of travel and repeatability of 0.0025mm. Over 60 models, support load capacities to 27Kg. Our full line includes the subminiature series with the smallest commercially available positioner, the standard series, ideal for most gauging and positioning applications, and our heavy duty series providing high load capacities with the same accuracy and repeatability.

Positioning slides can be stacked for multiaxis applications. Standard stacked units are available XY and XYZ configurations. Pre-loaded positioning slides, fully assembled, arrive ready for your use.

Positioners are available in black anodised finish or others on request.



Specifications

(standard ballslide series)

Straight line accuracy: 0.01/25mm of travel

Repeatability: 0.0025mm

Drive: Micrometer standard 0.01mm gradations

Finish: Back Anodised standard (other finishes on request)

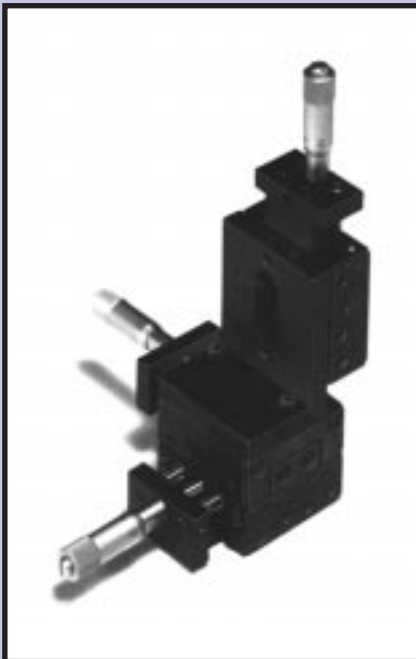
(Crossed roller slide series)

Straight line accuracy: 0.0025/25mm of travel

Repeatability: 0.0025mm

Drive: Micrometer standard 0.01mm gradations

Finish: Back Anodised standard (other finishes on request)



Ordering

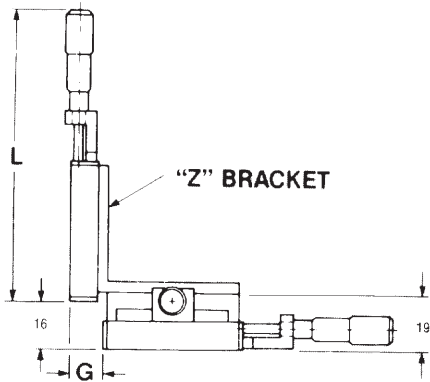
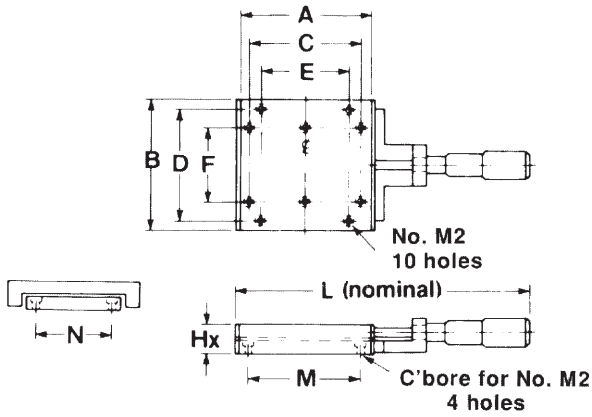
- Order by model number, as listed in dimension charts.
- Add-X for 1 axis model.
 - Add-XY for 2 axis model.
 - Add-XYZ for standard 3 axis model.
- Plain models (without micrometer) are identified by P following basic model number, as listed. Available in X and XY configurations only. Return springs and micrometer brackets not included.
- Order by model number, as listed in dimension charts. For crossed roller versions prefix part number by 'R'. Example R301M-X

Example: 301M-X 1 axis model ballbearing unit with 13mm micrometer

Notes

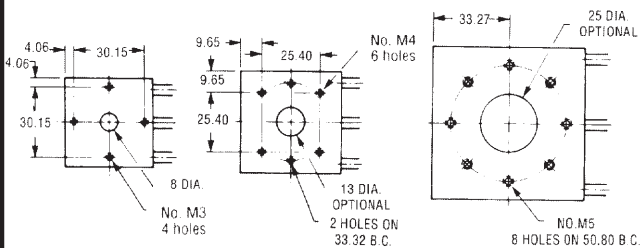
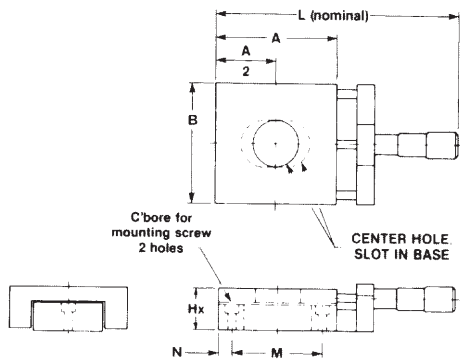
- Loads in Z axis will extend springs if too heavy. Series 400, 500, 700, 1200, 2200 and 3200 have micrometer bracket reversed to prevent this and increase Z axis capacity.
- Custom designs quoted on request.
- P style (plain) are free floating slides without micrometer head brackets or springs.

SERIES	C	D	E	F	G	M	N
101M	25.40	25.40	17.53	12.70	10	25.40	17.53
201M	38.10	38.10	30.23	25.40	11	38.10	30.23

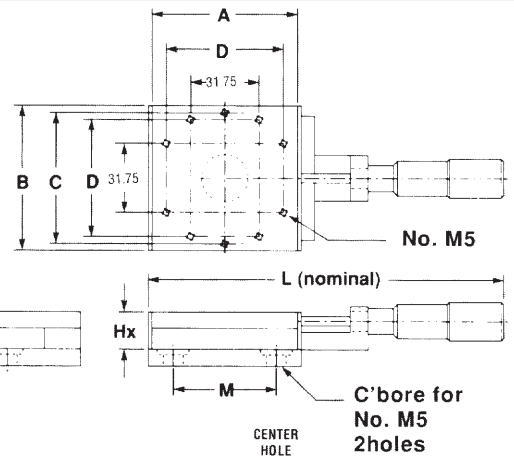


SERIES 100M, 200M

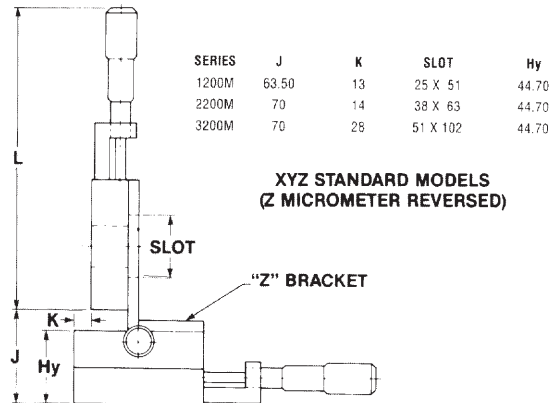
SERIES	M	N	MTG. SCREW C'BORE
300M	30.15	4.06	M3
450M	33.32	5.59	M4
750M	50.80	7.87	M5



SERIES 300M, 450M, 750M



SERIES	C	D	M	CENTER HOLE (OPTIONAL)
1200M	66.68	53.98	66.68	25 DIA.
2200M	92.08	79.38	92.08	38 DIA.
3200M	117.48	104.78	117.48	51 DIA.

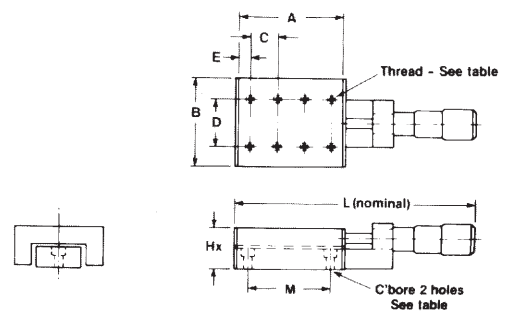


SERIES	J	K	SLOT	Hy
1200M	63.50	13	25 X 51	44.70
2200M	70	14	38 X 63	44.70
3200M	70	26	51 X 102	44.70

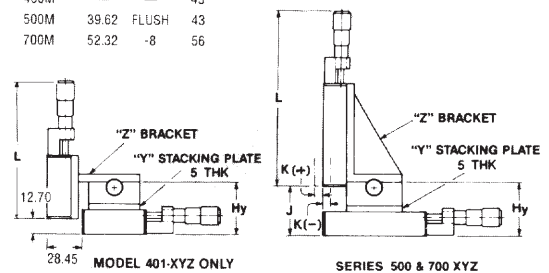
XYZ STANDARD MODELS (Z MICROMETER REVERSED)

SERIES 1200M, 2200M, 3200M

SERIES	C	D	E	NO. HOLES	THREAD	C'BORE FOR	M
400M	12.70	22.23	6.35	8	M4X0.7	M4	41.15
500M	13.97	22.23	6.35	12	M4X0.7	M4	69.85
700M	25.40	31.75	12.70	8	M5X0.8	M5	85.85



SERIES	J	K	Hy
400M	—	—	43
500M	39.62	FLUSH	43
700M	52.32	-8	56



SERIES 400M, 500M, 700M

Model	Travel	Work Surface A x B	Overall Dimensions		load Capacity Kg			Through Hole
			L	Hx	Ball X,XY	X-roller X, XY	Both Z	
101M	13	31.75 x 31.75	83	9.65	1.8	10	0.5	NO
201M	13	44.45 X 44.45	95	9.65	1.8	10	0.5	NO
301M	13	38.10 X 38.10	89	15.75	5.5	18	1	8 DIA.
450M	13	44.45 X 44.45	111	19	9	18	1	NO
451M	25	44.45 X 44.45	149	19	9	18	1	NO
453M	13	44.45 X 44.45	111	19	9	18	1	13 DIA.
750M	13	66.55 X 66.55	131	25.40	27	55	1	NO
751M	25	66.55 X 66.55	171	25.40	27	55	1	NO
753M	13	66.55 X 66.55	131	25.40	27	55	1	25 DIA.

PLAIN MODELS (WITHOUT MICROMETERS) X AND XY CONFIGURATION ONLY

301MP	13	38.10 X 38.10	—	15.75	5	18	—	8 DIA.
451MP	25	44.45 X 44.45	—	19	9	18	—	NO
452MP	25	44.45 X 44.45	—	19	9	18	—	13 DIA.
751MP	25	66.55 X 66.55	—	25.40	27	55	—	NO
752MP	25	66.55 X 66.55	—	25.40	27	55	—	25 DIA.
401M	13	50.80 X 44.45	117	19	9	18	9	NO
501M	13	82.55 X 44.45	149	19	19	36	9	NO
502M	25	82.55 X 44.45	188	19	19	36	9	NO
701M	13	101.60 X 66.55	168	25.40	27	72	9	NO
702M	25	101.60 X 66.55	210	25.40	27	72	9	NO
1201M	25	79.25 X 79.25	184	22.35	14	38	14	NO
1203M	25	79.25 X 79.25	184	22.35	14	38	14	25.DIA.
2201M	25	104.65 X 104.65	213	22.35	14	38	14	NO
2202M	50	104.65 X 104.65	260	22.35	14	38	14	NO
2203M	25	104.65 X 104.65	213	22.35	14	38	14	38 DIA.
2204M	50	104.65 X 104.65	260	22.35	14	38	14	38 DIA.
3201M	25	130.05 X 130.05	236	22.35	14	38	14	NO
3202M	50	130.05 X 130.05	286	22.35	14	38	14	NO
3203M	25	130.05 X 130.05	235	22.35	14	38	14	51 DIA.
3204M	50	130.05 X 130.05	286	22.35	14	38	14	51 DIA.

PLAIN MODELS (WITHOUT MICROMETERS) X AND XY CONFIGURATION ONLY

1202MP	50	79.25 X 79.25	—	22.35	14	38	—	NO
1204MP	50	79.25 X 79.25	—	22.35	14	38	—	25.DIA.
2205MP	75	104.65 X 104.65	—	22.35	14	38	—	NO
2206MP	75	104.65 X 104.65	—	22.35	14	38	—	38 DIA.
3205MP	100	130.05 X 130.05	—	22.35	14	38	—	NO
3206MP	100	130.05 X 130.05	—	22.35	14	38	—	51 DIA.

* Nominal travel equals calibrated range of micrometer drive or full travel for plain models

500M	13.97	22.23	6.35	12	M4X0.7	M4	69.85
700M	25.40	31.75	12.70	8	M5X0.8	M5	85.85

SERIES	J	K	Hy
400M	—	—	43
500M	39.62	FLUSH	43
700M	52.32	-8	56

"Z" BRACKET