

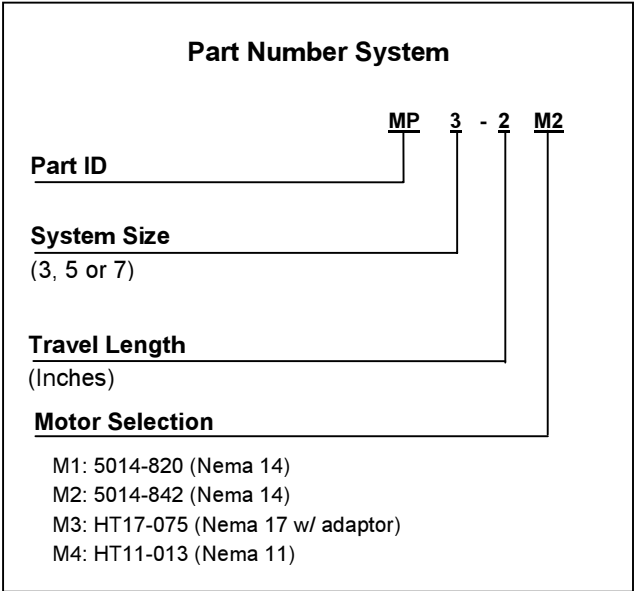


MP SPECIFICATIONS

Our MP is designed for your precision applications where size and capacity are critical. SMI's MP Stage offers smooth, precise motion in a compact package.

Height: 1" to 1.28"
Width: 1.75" to 2.27"
Flat & Straight: 0.0001" to 0.0010"
Static Load Capacity: 273 lbs to 882 lbs

Flatness & Straightness		
Unit: inch		
Part No.	Flatness ¹	Straightness ¹
MP3-1	0.0001	0.0001
MP3-2	0.0002	0.0002
MP3-3	0.0003	0.0003
MP5-1	0.0001	0.0001
MP5-2	0.0002	0.0002
MP5-3	0.0003	0.0003
MP5-4	0.0004	0.0004
MP7-1	0.0001	0.0001
MP7-2	0.0002	0.0002
MP7-3	0.0003	0.0003
MP7-4	0.0004	0.0004
MP7-5	0.0005	0.0005
MP7-6	0.0006	0.0006
MP7-10	0.0010	0.0010



Available Standard MP Sizes and Travel Lengths

- MP3 – 1", 2" or 3"
- MP5 – 1", 2", 3" or 4"
- MP7 – 1", 2", 3", 4", 5", 6" or 10"

Precision and Capacity

Part No.	Vertical Load ²		Axial load	Tranverse Load ³		Roll Moment ³		Pitch Moment ³		Yaw Moment ³	
	Static	Dynamic	Dynamic	Static	Dynamic	Static	Dynamic	Static	Dynamic	Static	Dynamic
	(lbf)	(lbf)	(lbf)	(lbf)	(lbf)	(lbf*in)	(lbf*in)	(lbf*in)	(lbf*in)	(lbf*in)	(lbf*in)
MP3-1	273	154	110	308	174	191	108	17	10	21	12
MP3-2	273	154	110	308	174	191	108	17	10	21	12
MP3-3	273	154	110	308	174	191	108	17	10	21	12
MP5-1	529	273	110	444	240	445	230	42	23	39	23
MP5-2	529	273	110	444	240	445	230	42	23	39	23
MP5-3	529	273	110	444	240	445	230	42	23	39	23
MP5-4	529	273	110	444	240	445	230	42	23	39	23
MP7-1	882	539	110	741	465	703	416	78	43	86	52
MP7-2	882	539	110	741	465	703	416	78	43	86	52
MP7-3	882	539	110	741	465	703	416	78	43	86	52
MP7-4	882	539	110	741	465	703	416	78	43	86	52
MP7-5	882	539	110	741	465	703	416	78	43	86	52
MP7-6	882	539	110	741	465	703	416	78	43	86	52
MP7-10	882	539	110	741	465	703	416	78	43	86	52

¹Based upon no misalignment or inaccuracies of the mounting surface.
²Based upon load application via a rigid structure flat on the carriage surface.
³Based upon no other combined loads.