

METS Slider electric cylinder

Use where	Drive mode	Specification	Motor output (W)	Width (mm)	Repeatability (mm)	Ball screw spec		Ball screw spec (kg)		Maximum speed ^{※1} (mm/s)
						Outer diameter (mm)	Lead (mm)	Horizontal (mm)	Vertical (mm)	
Standard	Ball screw	METS-5M	42M (Stepping Motor)	51	±0.01	12	2	10	7	16
							5	10	3	41
							10	5	1.5	83
			100W	51	±0.01	12	2	10	7	100
							5	10	3	250
							10	5	1.5	500
		METS-6M	57M (Stepping Motor)	65	±0.01	12	2	30	15	16
							5	30	10	41
							10	15	5	83
			100W	65	±0.01	12	2	30	15	100
							5	30	10	250
							10	15	5	500
		METS-10	100W	102	±0.01	16	5	50	12	250
							10	30	8	500
							16	22	5	800
							20	18	3	1000
		METS-12	100W	102	±0.01	16	5	50	12	250
							10	30	8	500
							16	22	5	800
							20	18	3	1000
		METS-13	200W	135	±0.01	16	5	70	17	250
							10	47	12	500
							16	30	6	800
							20	24	4	1000
		METS-14	200W	135	±0.01	16	5	95	27	250
							10	75	18	500
							16	44	7	800
			400W	135	±0.01	16	20	35	6	1000
							5	110	33	250
							10	88	22	500
		METS-17	400W	170	±0.01	20	16	48	10	800
							20	40	8	1000
750W	170		±0.01	20	5	120	40	250		
					10	110	30	500		
METS-22	750W	220	±0.01	20	20	75	14	1000		
					40	35	7	2000		
					5	120	50	250		
					10	120	40	500		
					20	83	25	1000		
					40	50	10	2000		
					25	5	150	55	250	
					25	10	150	45	500	
					25	25	120	20	1250	
					20	40	60	10	2000	

※1. The highest speed is based on the maximum servo motor's rpm (3000).
The highest speed is based on the maximum stepping motor's rpm (500).

SLIDER ELECTRIC CYLINDER - BALL SCREW DRIVE (WITHOUT MOTOR)

Page	Stroke(mm) & Maximum speed(mm/s) ※2																Speed															
	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	
4-28	16																															
	41																															
	83																															
	100											90	80	70	60																	
	250											225	200	175	150																	
4-34	500										450	400	350	300																		
	16																															
	41																															
	83																															
	100											90	80	70	60																	
4-40	250										225	200	175	150	125																	
	500										450	400	350	300	250																	
	800										720	640	560	480	400																	
	1000										900	800	700	600	500																	
4-45	250										225	200	175	150	125																	
	500										450	400	350	300	250																	
	800										720	640	560	480	400																	
	1000										900	800	700	600	500																	
4-50	250										225	200	175	150	125																	
	500										450	400	350	300	250																	
	800										720	640	560	480	400																	
	1000										900	800	700	600	500																	
4-55	250										225	200	175	150	125																	
	500										450	400	350	300	250																	
	800										720	640	560	480	400																	
	1000										900	800	700	600	500																	
	250										225	200	175	150	125																	
4-60	500										450	400	350	300	250																	
	1000										900	800	700	600	500																	
	2000										1800	1600	1400	1200																		
	250										225	200	175	150																		
	500										450	400	350	300																		
4-67	1000										900	800	700	600																		
	2000										1800	1600	1400	1200																		
	250										225	200	175	150	125	100																
	500										450	400	350	300	250	200																
	1250										1125	1000	875	750	625	500																
	2000										1800	1600	1400	1200	1000	800	600															

※2. Written here is the standard strokes maximum safe speed. If over this speed, may cause serious vibration.