METSC / MEQYC Specification index

SLIDER / ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITH MOTOR)

mindman

METSC Slider electric cylinder

Use where	Drive mode	Specification	Motor dimension (mm)	Width of profile (mm)	Repeatability (mm)	Ball screw spec (Accuracy C7)		Max. payload (kg)		Max. speed *1 (mm/s)	
						Outer diameter (mm)	Lead (mm)	Horizontal (mm)	Vertical (mm)		
Standard	Ball screw	**METSC-5**	□42	51	±0.01	12	5	10	3	250	
							10	5	3	500	
		METSC-6	□42	65	±0.01	12	5	30	10	250	
							10	15	6	500	
		METSC-10	□42	102	±0.01	16	5	50	12	250	
							10	30	8	500	
							20	15	4	1000	
		METSC-12	□42	102	±0.01	16	5	50	12	250	
							10	30	8	500	
							20	18	4	1000	
		METSC-13	□42	135	±0.01	16	5	70	12	250	
							10	47	8	500	
							20	24	5	1000	

*1. The working condition of max. speed is restricted limited. Please refer to the curve graph of speed and loading in this catalog.
*2. The number written in the column means the highest safe speed within stroke.
If the speed is over the value shown in the chart, the vibration will be caused on the actuator.

MEQYC Rod electric cylinder

Use where	Drive mode	Specification	Motor dimension (mm)	Width of profile (mm)	Repeatability (mm)	Ball screw spec (Accuracy C7)		Max. payload (kg)		Max. speed *1 (mm/s)	
						Outer diameter (mm)	Lead (mm)	Horizontal (mm)	Vertical (mm)		
Standard	Ball screw	**MEQYC-50**	□42	52	±0.01	12	5	30	15	250	
							10	15	12	500	
		MEQYC-50D	□42	52	±0.01	12	5	30	15	250	
							10	15	12	500	
		MEQYC-50L	□42	52	±0.01	12	5	30	15	250	
							10	15	12	500	
		MEQYC-65	□56	65	±0.01	16	5	110	30	250	
							10	88	20	500	
							20	40	10	1000	
		MEQYC-65D	□56	65	±0.01	16	5	110	30	250	
							10	88	20	500	
							20	40	10	1000	
		MEQYC-65L	□56	65	±0.01	16	5	110	30	250	
							10	88	20	500	
							20	40	10	1000	

*1. The working condition of max. speed is restricted limited. Please refer to the curve graph of speed and loading in this catalog.
*2. The number written in the column means the highest safe speed within stroke.
If the speed is over the value shown in the chart, the vibration will be caused on the actuator.

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	Stroke(mm) & Max. speed (mm/s) *2 Speed																														Page
	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	
		250												225	200	175	150															4-68
		500												450	400	350	300															
		250												225	200	175	150															4-72
		500												450	400	350	300															
		250															225	200	175	150	125	100										4-76
		500															450	400	350	300	250	200										
		1000															900	800	700	600	500	400										
		250															225	200	175	150	125	100										4-80
		500															450	400	350	300	250	200										
		1000															900	800	700	600	500	400										
		250															225	200	175	150	125	100										4-84
		500															450	400	350	300	250	200										
		1000															900	800	700	600	500	400										

	Stroke(mm) & Max. speed (mm/s) *2 Speed																														Page
	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	
		250				200	150																									4-94
		500				400	300																									
		250				200	150																									4-97
		500				400	300																									
		250				200	150																									4-100
		500				400	300																									
		250						200		150																						4-103
		500						400		300																						
		1000						800		600																						
		250						200		150																						4-106
		500						400		300																						
		1000						800		600																						
		250						200		150																						4-109
		500						400		300																						
		1000						800		600																						