

MEQG series Selector Table



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

MEQI / MEGT series Selector Table



SLIDER / TWIN-GUIDED ELECTRIC ACTUATOR (WITHOUT MOTOR)

Use where	Drive mode	Model	Motor output (W)	Width (mm)	Positioning repeatability (mm)	Ball screw spec		Rated load		Max. speed *1 (mm/s)		Stroke (mm) & Max. speed (mm/s) *2																				PDF link					
						Outer diameter (mm)	Lead (mm)	Horizontal (kg)	Vertical (kg)			Speed																									
												Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000						
Standard	Ball screw	MEQI-32	50W	45	±0.02	8	1	—	3.3	50						50																		PDF link			
			□ 42				2	—	5.5	100						100																					
							1	—	3.3	50						50																					
							2	—	5.5	100						100																					
		MEQI-40	100W	53	±0.02	12	5	—	23	250						250																			PDF link		
							10	—	27	500						500																					
							20	—	37	1000						1000																					
							5	—	23	250						250																					
			□ 42				10	—	27	500						500																					
							20	—	37	1000						1000																					
							5	—	38.5	250						250																					
							10	—	35.5	500						500																					
		MEQI-50	400W	64	±0.02	16	20	—	37	1000						1000																			PDF link		
							5	—	38.5	250						250																					
							10	—	35.5	500						500																					
							20	—	27	1000						1000																					
			□ 56				5	—	38.5	250						250																					
							10	—	35.5	500						500																					
							20	—	27	1000						1000																					
							5	—	35.5	500						500																					
		MEQI-63	400W	77	±0.02	20	20	—	37	1000						1000																		PDF link			
							5	—	50.5	250						250																					
							10	—	64	500						500																					
							20	—	37	1000						1000																					
			□ 56				5	—	50.5	125						125																					
							10	—	64	250						250																					
							20	—	37	500						500																					
							5	—	66	125						125																					
		MEQI-80	750W	93	±0.02	32	10	—	110	250						250																		PDF link			
							20	—	90	500						500																					
							32	—	62	800						800																					
							5	—	3.3	50						50																					
		MEGT-32	50W	130	±0.02	8	2	—	5.5	100						100																		PDF link			
							1	—	3.3	50						50																					
							2	—	5.5	100						100																					
							5	—	23	250						250																					
		□ 42					10	—	27	500						500																					
							20	—	37	1000						1000																					
							5	—	23	250						250																					
							10	—	27	500						500																					
		MEGT-40	100W	160	±0.02	12	20	—	37	1000						1000																		PDF link			
							5	—	23	250						250																					
							10	—	27	500						500																					
							20	—	37	1000						1000																					
			□ 42				5	—	38.5	250						250																					
							10	—	35.5	500						500																					
							20	—	27	1000						1000																					
							5	—	38.5	250						250																					
		MEGT-50	400W	180	±0.02	16	10	—	35.5	500						500																	PDF link				
							20	—	27	1000						1000																					
							5	—	38.5	250						250																					
							10	—	35.5	500						500																					
			□ 56				20	—	27	1000						1000																					
							5	—	50.5	250						250																					
							—	—	64	500						500																					
							—	—	37	1000						1000																					
MEGT-63	400W	195	±0.02	20	—	—	50.5	250						250																PDF link							
					—	—	64	500						500																							
					—	—	37	1000						1000																							
					—	—	50.5	125						125																							
	□ 56				—	—	64	250						250																							
					—	—	37	500						500																							
					—	—	37	500						500																							
					—	—	37	500						500																							

MEGS Twin-guided electric actuator

Use where	Drive mode	Model	Motor dimension (mm)	Width of profile (mm)	Position repeatability (mm)	Ball screw spec (Accuracy C7)		Rated load		Min. thrust (N)	Anti-rotation tolerance (°)		Max. speed *1 (mm/s)	Stroke (mm) & Max. speed (mm/s) *2 Speed					PDF link
						Outer diameter (mm)	Lead (mm)	Horizontal (kg)	Vertical (kg)					Stroke	30	50	75	100	
Standard	Ball screw	MEGS-16	□ 25	63	±0.02	4	1	2	2	270	±0.06		50	50					
			□ 28	63	±0.02	4	1	2	2	270	±0.06		50	50					
		MEGS-20	□ 35	84	±0.02	6	2	4.6	5	160	±0.06		100	100					

*1. For the maximum speed (mm/s), please refer to the speed-load curve chart provided in the specifications section for usage condition limitations.

*2. The values within the standard stroke indicate the maximum safe speed allowable for that stroke. Exceeding this speed may cause severe resonance in the manipulator.

MEJQ Compact electric actuator

Use where	Drive mode	Model	Motor dimension (mm)	Width of profile (mm)	Position repeatability (mm)	Ball screw spec (Accuracy C7)		Rated load		Min. thrust (N)	Anti-rotation tolerance (°)		Max. speed *1 (mm/s)	Stroke (mm) & Max. speed (mm/s) *2 Speed					PDF link
						Outer diameter (mm)	Lead (mm)	Horizontal (kg)	Vertical (kg)					Stroke	30	50	75	100	
Standard	Ball screw	MEJQ-16	□ 25	29.5	±0.02	4	1	5	2	270	±0.7		50	50					
			□ 28	29.5	±0.02	4	1	5	2	270	±0.7		50	50					
		MEJQ-20	□ 35	36.5	±0.02	6	2	12	5	160	±0.7		100	100					

*1. For the maximum speed (mm/s), please refer to the speed-load curve chart provided in the specifications section for usage condition limitations.

*2. The values within the standard stroke indicate the maximum safe speed allowable for that stroke. Exceeding this speed may cause severe resonance in the manipulator.

MES*2 Miniature electric actuator

Use where	Drive mode	Model	Motor dimension (mm)	Width of profile (mm)	Position repeatability (mm)	Ball screw spec (Accuracy C7)		Rated load		Max. thrust (N)		Max. speed *1 (mm/s)	Stroke (mm) & Max. speed (mm/s) *2 Speed					PDF link
						Outer diameter (mm)	Lead (mm)	Horizontal (kg)	Vertical (kg)				Stroke	30	50	75	100	
Standard	Ball screw	MESS2-16	□ 20	65	±0.02	ø6	2	3	0.8	18~60		50	50					PDF link
		MESS2-25	□ 28	95	±0.02	ø8	2	6	1.8	64~195		100	100					
						ø8	8	1.5	0.8	18~48		400	400					
		MESF2-16	□ 20	68	±0.02	ø6	2	3	0.8	18~60		50	50				PDF link	
		MESF2-20	□ 25	92	±0.02	ø8	2	6	1.8	64~195		100	100					
						ø8	8	1.5	0.8	18~48		400	400					
		MESH2-16	□ 20	54	±0.02	ø6	2	3	0.8	24~68		50	50				PDF link	
		MESH2-20	□ 28	65	±0.02	ø8	2	6	1.8	64~195		100	100					
						ø8	8	1.5	0.8	18~48		400	400					

*1. For the maximum speed (mm/s), please refer to the speed-load curve chart provided in the specifications section for usage condition limitations.

*2. The values within the standard stroke indicate the maximum safe speed allowable for that stroke. Exceeding this speed may cause severe resonance in the manipulator.

MERE / MEHC2(3) / MESBE series Selector Table

ROTARY / GRIPPER / STOPPER ELECTRIC ACTUATOR (WITH MOTOR)



MERE Rotary electric actuator

Use where	Drive mode	Model	Motor dimension (mm)	Width of profile (mm)	Rotation angle (°)	Lead (°)	Max. rotating torque *1,3,4 (N.m)	Max. moment of inertia (kg·m ²)	Main body weight (g)		Max. angular speed *1,2 (°/s)	Max. angular acceleration/ deceleration (°/s ²)	Backlash (°)	Positioning repeatability (°)	Allowable Load			PDF link
															Thrust load (N)	Radial load (N)	Allowable moment (N.m)	
Standard	Ball screw	MERE-10	□ 20	78	310, 360	12	0.3	0.0018	470		≤420	3000	±0.5	±0.05	78	78	2.4	PDF link
		MERE-30	□ 28	107	320, 360	12	0.65	0.015	1100		≤420	3000	±0.3	±0.05	363	196	5.3	
		MERE-50	□ 42	131	320, 360	12	3.3	0.05	3000		≤420	3000	±0.3	±0.05	398	314	9.7	

*1. The angular speed and rotating torque may change depending on the cable length, load, stroke and mounting conditions.

*2. The max. angular speed is 30°/s with push motion function.

*3. The torque accuracy is ±20%. *4. The range of rotating torque is 30% ~ 90%.

MEHC2(3) Electric gripper

Use where	Drive mode	Model	Motor dimension (mm)	Width of profile (mm)	Positioning repeatability (mm)	Open/close stroke *1 (mm/s)	Gripping force (N)	Main body weight *2 (g)		Gripping force (N)								PDF link	
										5	10	15	20	25	30	35	40		45
Standard	Ball screw	MEHC2-16	□ 20	38	±0.02	6	19.5	222			6~19.5								PDF link
		MEHC2-25	□ 28	63	±0.02	14	26	662			12~26								
		MEHC3-16	—	38.5	±0.02	6	12 / 17 / 22	300			12~22							PDF link	
		MEHC3-25	—	63.5	±0.02	14	25 / 33 / 41	800					25~41						

*1. Total stroke combined for both sides.

*2. Weight includes the main body and the motor.

MESBE Stopper electric actuator

Use where	Drive mode	Model	Motor dimension (mm)	Width of profile (mm)	Positioning repeatability (mm)	Lead (mm)	Main body weight (g)		Ascend / descend time (s)	Stroke (mm)				PDF link
										Stroke	20		30	
Standard	Trapezoidal screw + belt	MESBE-32	□ 35	99	±0.1	1.5	1450		1					
		MESBE-50	□ 42	140	±0.1	1.5	2000		1					
		MESBE-63	□ 56	155	±0.1	2	5420		1					
		MESBE-80	□ 60	175	±0.1	2	8850		1					