YMS45

Ordering method

YMS45 – [ ] – [ ] – [ ] – [ ] – ERCX – [ ] – [ ] – [ ]

Model	Lead designation	Brake	Stroke	Cable length Note 1	Controller	Usable for CE	Network option	Battery
	12: 12mm	No entry: No brakes	50 to 200 (50mm pitch)	3L: 3.5m (Standard)		No entry: Standard	No entry: None	No entry: None
	6: 6mm	BK: Brakes provided		5L: 5m		E: CE marking	CC: CC-Link	B1: 700mAh (Standard)
				10L: 10m			DN: DeviceNet	B2: 200mAh
							PB: Profibus	
							EN: Ethernet	

YMS45 – [ ] – [ ] – [ ] – [ ] – ERCD – [ ]

Controller	I/O connector specification
	CN1: I/O flat cable 1m (Standard)
	CN2: Twisted-pair cable 2m (pulse train function)

Note 1. The robot cable is standard cable, but can be changed to bend-resistant cable. (consult factory)

Specifications

AC servo motor output (W)		30	
Repeatability (mm)		+/-0.02	
Deceleration mechanism		Ball screw ϕ8 (Class C10)	
Ball screw lead (mm)		12	6
Maximum speed (mm/sec)		600	300
Maximum payload (kg)	Horizontal	4.5	6
	Vertical	1	2
Rated thrust (N) Note 1		32	64
Stroke (mm)		50 to 200 (50mm pitch)	
Cable length (m)		Standard: 3.5 / Option: 5,10	
Linear guide type		–	
Position detector		Resolvers	
Resolution (Pulse/rotation)		16384	

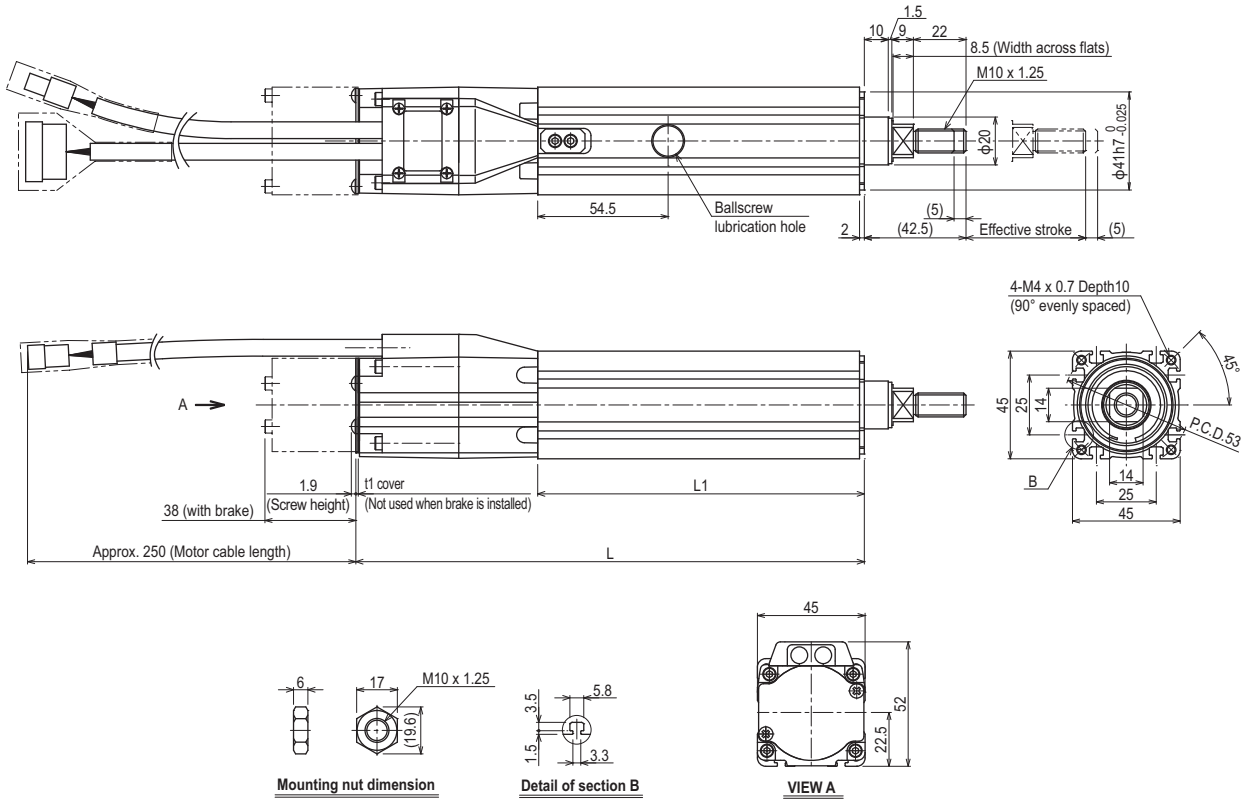
Note 1. Be sure that radial loads are not applied to the rod.
Note 2. The thrust control accuracy is not guaranteed.

Controller

Controller	Operation method
ERCD	Pulse train control / Programming / I/O point trace (BCD)/ Remote command / Operation using RS-232C communication
ERCX (3A) Note	Programming / I/O point trace (BCD)/ Remote command / Operation using RS-232C communication

Note 1. This is the required power supply capacity. An insufficient power supply capacity can reduce performance.

YMS45 Brakes provided type



Effective stroke	50	100	150	200
L1	136.5	186.5	236.5	286.5
L	212.5	262.5	312.5	362.5
Weight (kg) Note	1.1	1.3	1.5	1.7

Note 1. Weight of models with no brake. The weight of brake-attached models is 0.2 kg heavier than the models with no brake shown in the table.