

YMS45



Basic specifications

Model	YMS45	
Motor output (W)	30	
Repeatability (mm)	+/-0.02	
Deceleration mechanism	Ball screw (Class C10) / ϕ 8mm	
Ball screw lead (mm)	12	6
Maximum speed (mm/sec)	600	300
Maximum payload (kg)	Horizontal	4.5
	Vertical	1
Rated thrust (N) (Note 1)		32
		64
Stroke (mm)	50 to 200 (50 pitch)	
Cable length (m)	3.5m (standard), 5m, 10m	
Controller	ERCDC / ERCX (3A) (Note 2)	

Note 1: Note that the thrust force control accuracy is not guaranteed.

Note 2: This is the required power capacity.

Insufficient power capacity may cause deterioration in performance.

Note: Be sure to use the unit with no radial load applied to the rod.

Robot ordering method

ERCDC/ERCX specification

YMS45 - 12 - BK - 200 - 3L

Model	Lead designation	Brake	Stroke	Cable length
	12 : 12mm 6 : 6mm	No entry : No brakes BK : Brakes provided	50 to 200 (50mm pitch)	3L : 3.5m (standard) 5L : 5m 10L : 10m

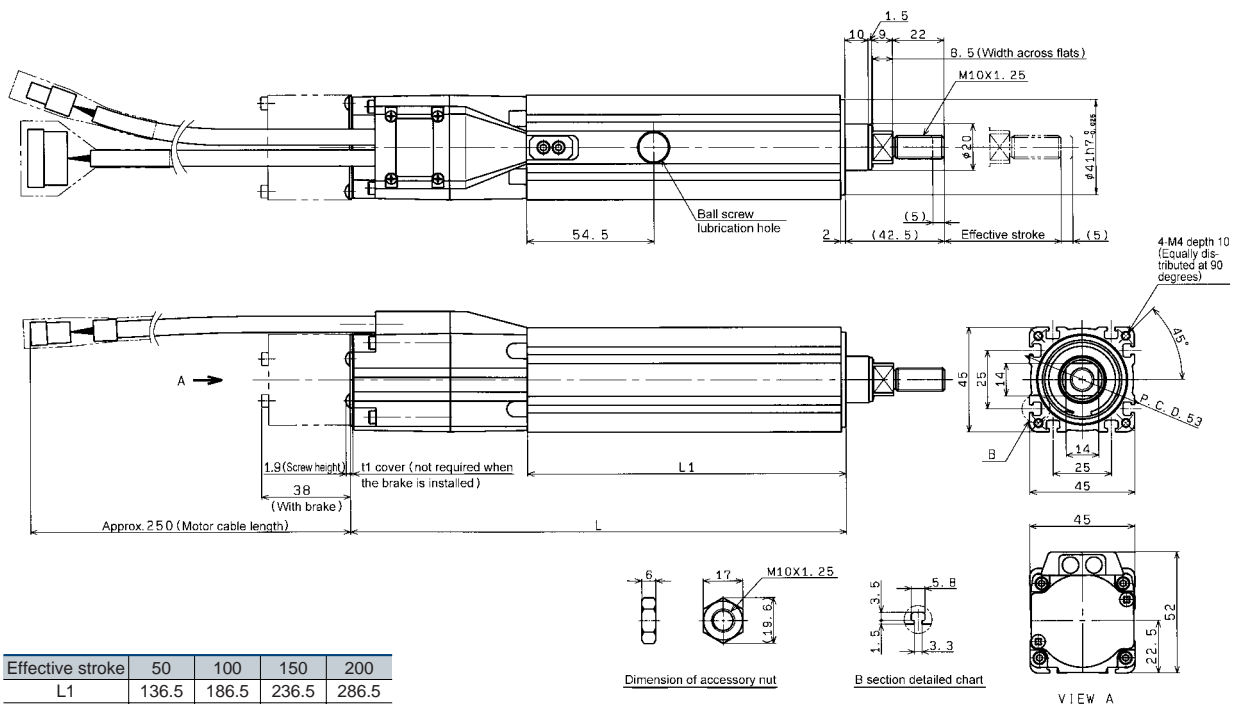
ERCDC - CN1

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

ERCX - E - CC - B1

Applicable controller	Usable for CE	Network option	Battery
	No entry : Standard E : CE specification	No entry : None CC : CC-Link DN : DeviceNet PB : Profibus EN : Ethernet	No entry : None B1 : 700mAh (Standard) B2 : 2000mAh

YMS45 (BK specification)



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	1.3	1.5	1.7

Note 1: This is the weight of the model without a brake.
The weight of the model equipped with a brake is 0.2kg heavier than this value.