

### Specification

Model	MESH2			
Size	16	20		
Positioning repeatability (mm)	±0.02			
Lead (mm)	2	2	8	
Maximum speed *1	Motor SM/ BM (mm/s)	≤50	≤100	≤400
	Motor OBM (mm/s)	≤50		≤200
Work load *2	Horizontal (kg)	3	6	1.5
	Vertical (kg)	0.8	1.8	0.8
Pushing force *1,3,4 (N)	24 ~ 68	64 ~ 195	18 ~ 48	
Stroke (mm)	30 / 50			
Motor size (mm)	□20	□28		
Rated voltage	DC 24V±10%			
Slot-type photomicro sensor	RLT (Please refer to page 5-16)			

Motor type	Step motor	Transmission	Ball screw
Environment	Standard	Guide type	Linear guideway

\*1. The speed and force may change depending on the cable length, load, stroke and mounting conditions.

\*2. The maximum load capacity decreases as the speed increases.

\*3. The accuracy of pushing force is ± 20%.

\*4. Pushing force for MESH2 is from 30% to 90%.

### Order example

**MESH2 – 16 L02 – 30 – CK10 03 N 015**

<b>Model</b>	<b>Size</b>	<b>Ball screw lead</b>	<b>Stroke</b>	<b>I/O type</b>	<b>I/O cable length</b>
	16	L02 2 mm	30 30 mm	N NPN	015 1.5 m
	20	L02 2 mm L08 8 mm	50 50 mm	* Not suitable for CM10.	03 3 m
			<b>Controller</b>	<b>Motor</b>	<b>Power + Encoder cable of motor</b>
			CK10	SM	01 1 m *2
			CM10 *1	OBM	015 1.5 m *3
			CM20 *1	BM	03 3 m
					05 5 m

\* Standard: 3 m

\*1. Sensors would be needed.

\*2. Only for CM10 / CM20.

\*3. Only for CK10.

\*4. Please note the installation space.

### Slot-type photomicro sensor set

**RZ – ES3 – N**

<b>Sensor set</b>	<b>Sensor type</b>
	N NPN
	P PNP

\* With RLT sensor, mounting seat, bolt, nut and cable 2m.

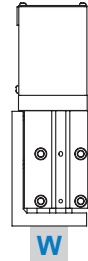
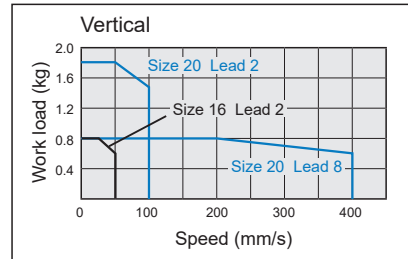
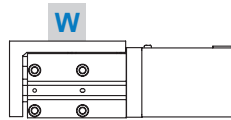
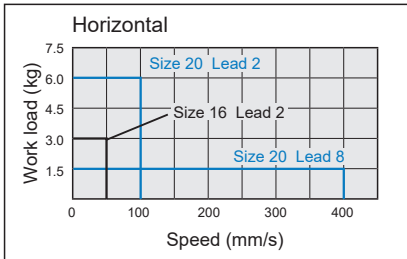
### Accessory kits

**AK – ES3 – 16**

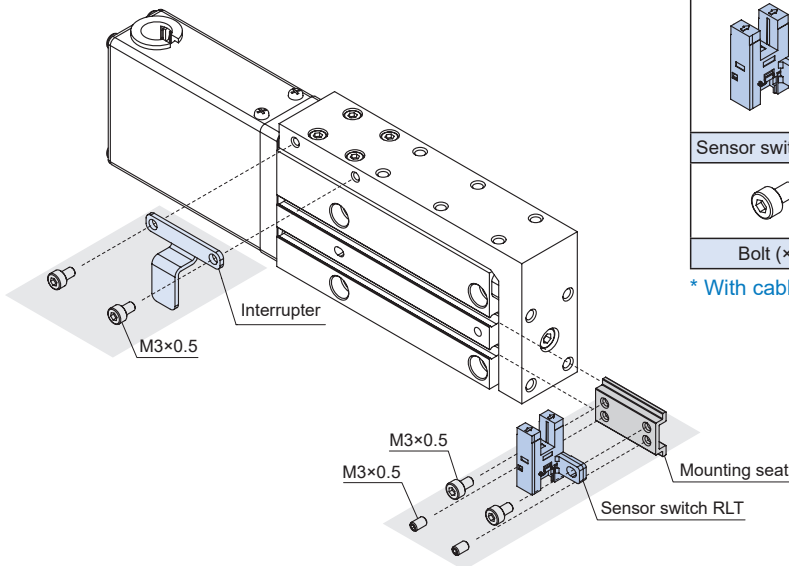
<b>Accessory kits</b>	<b>Size</b>
	16
	20

\* With interrupter and bolt.

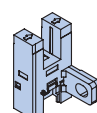
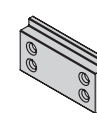


### Speed-load curve diagram



### Slot-type photomicro sensor mounting

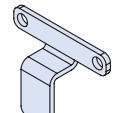



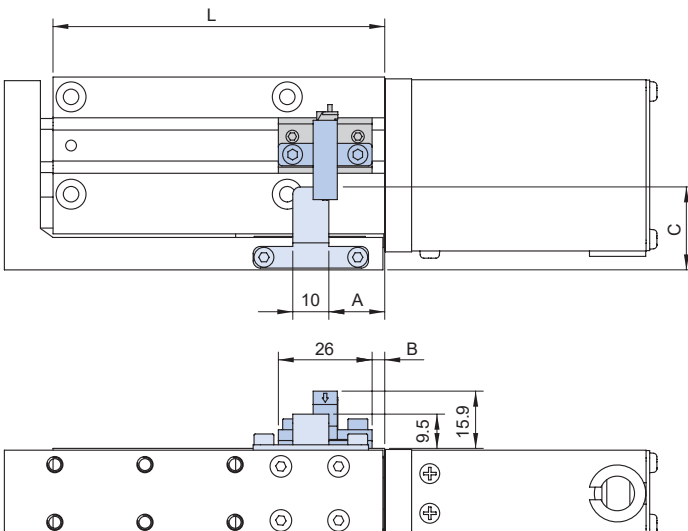
### Sensor set

	
Sensor switch (x1)	Mounting seat (x1)
	
Bolt (x2)	Bolt (x2)

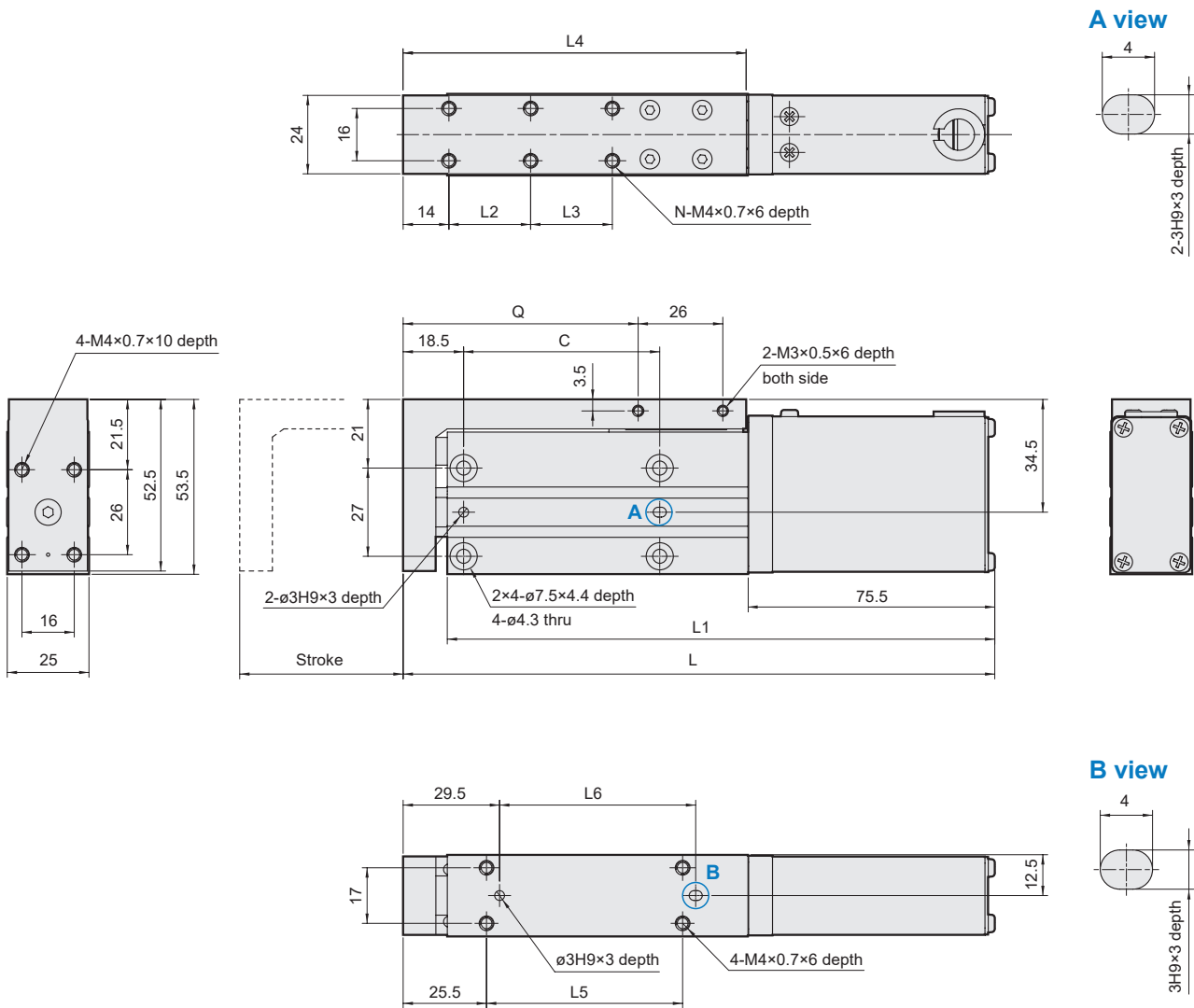
\* With cable 2m.

### Accessory kits


Interrupter (x1)

Bolt (x2)

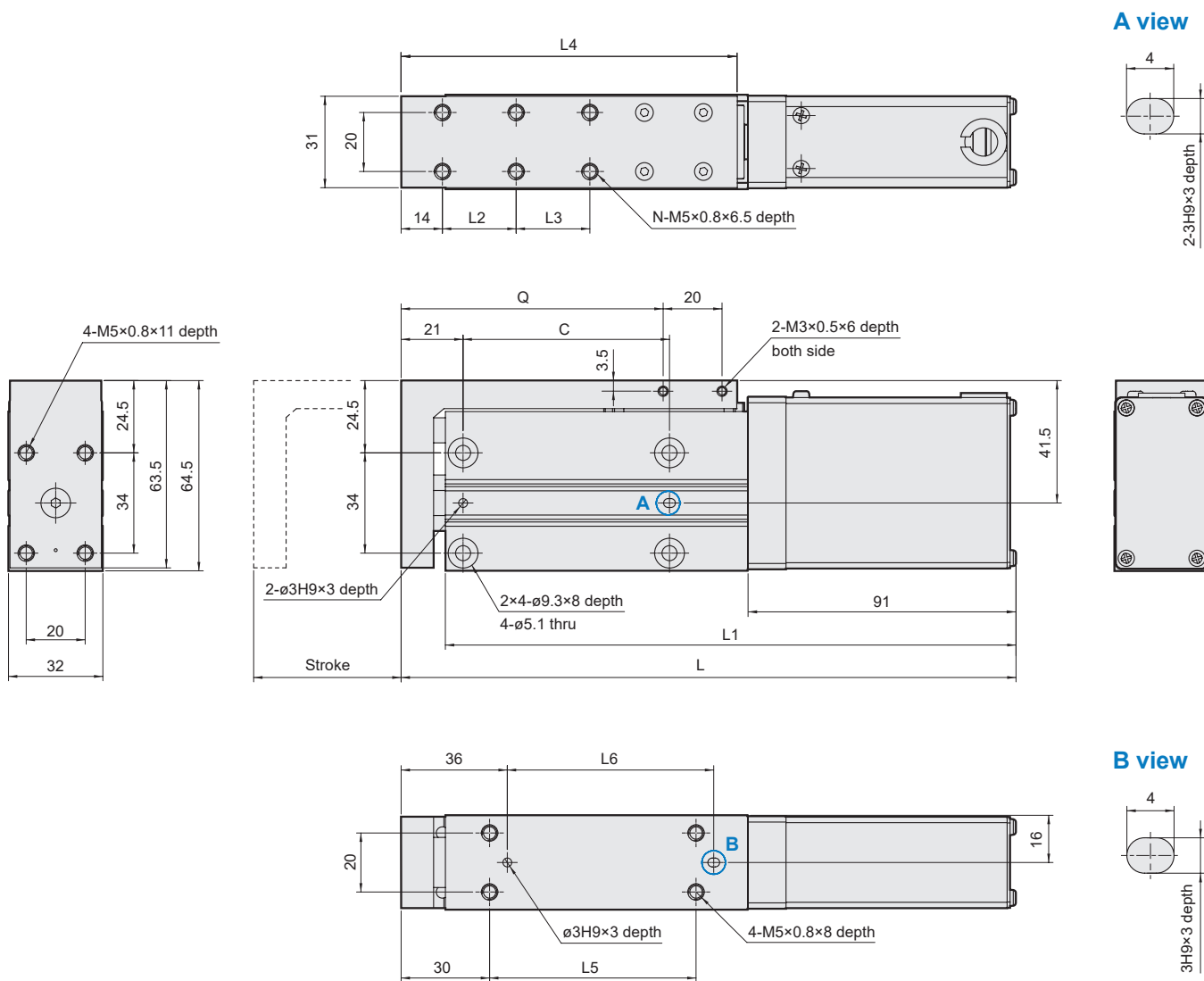


Code	L			
	A	B	C	Stroke Size
16	15.5	3.5	23	72
25	13.5	1.5	31	82.5



Unit: mm

Stroke	C	L	L1	L2	L3	L4	L5	L6	N	Q	Weight (g)
30	40	161	147.5	30	-	85	40	40	4	52	500
50	60	181	167.5	25	25	105	60	60	6	72	562



Unit: mm

Stroke	C	L	L1	L2	L3	L4	L5	L6	N	Q	Weight (g)
30	40	188.5	173.5	30	-	97	40	40	4	69	950
50	70	208.5	193.5	25	25	114	70	70	6	89	1049