

Single Axis Robot

KS05 Type

2.1 Features

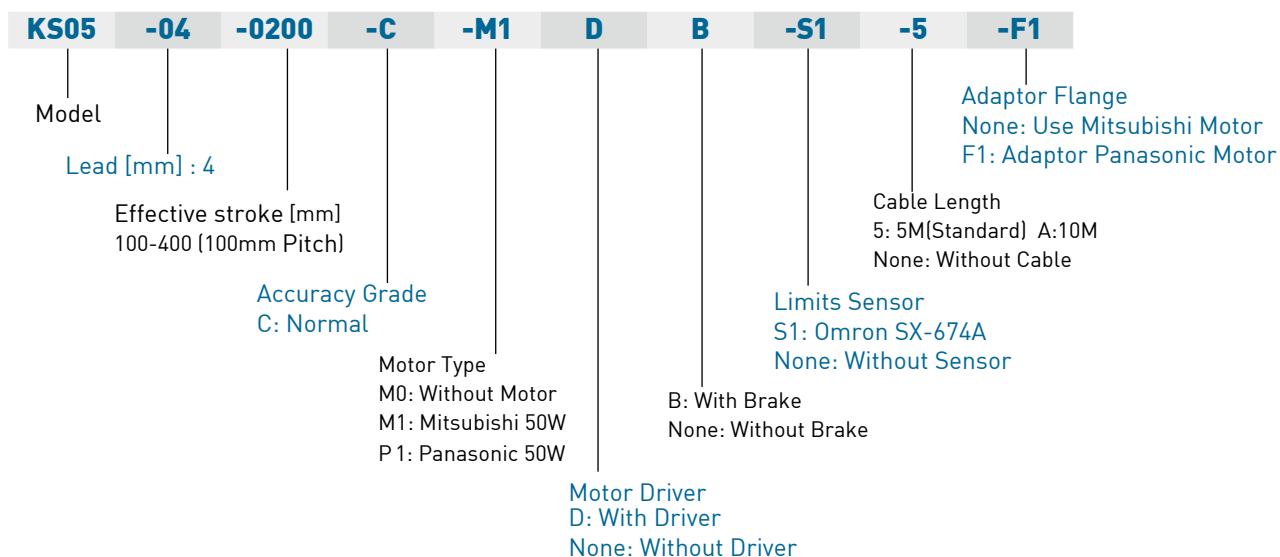
- Compact and lightweight
- Reasonable price
- Stainless Covers
- High repeatability $\pm 0.01\text{mm}$
- Dust proof
- Relative motion for sliders (double sliders)
- Easy for system maintenance

2.2 Applications

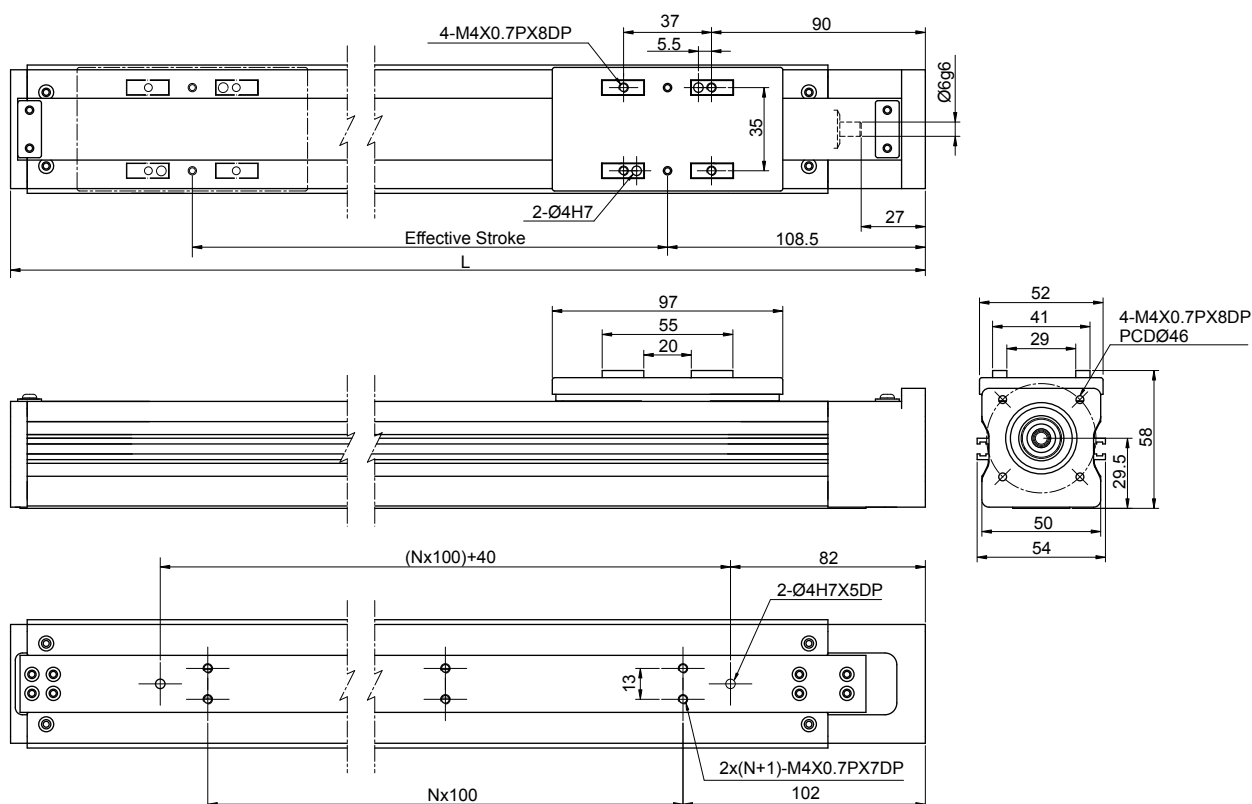
- FPD industry
- Semiconductor
- Medical applications
- FPD glass transfer & alignment
- Inspection & Testing equipment



2.3 Model Number of KS05 Type



2.4 Dimensions for KS05 (Single slider)



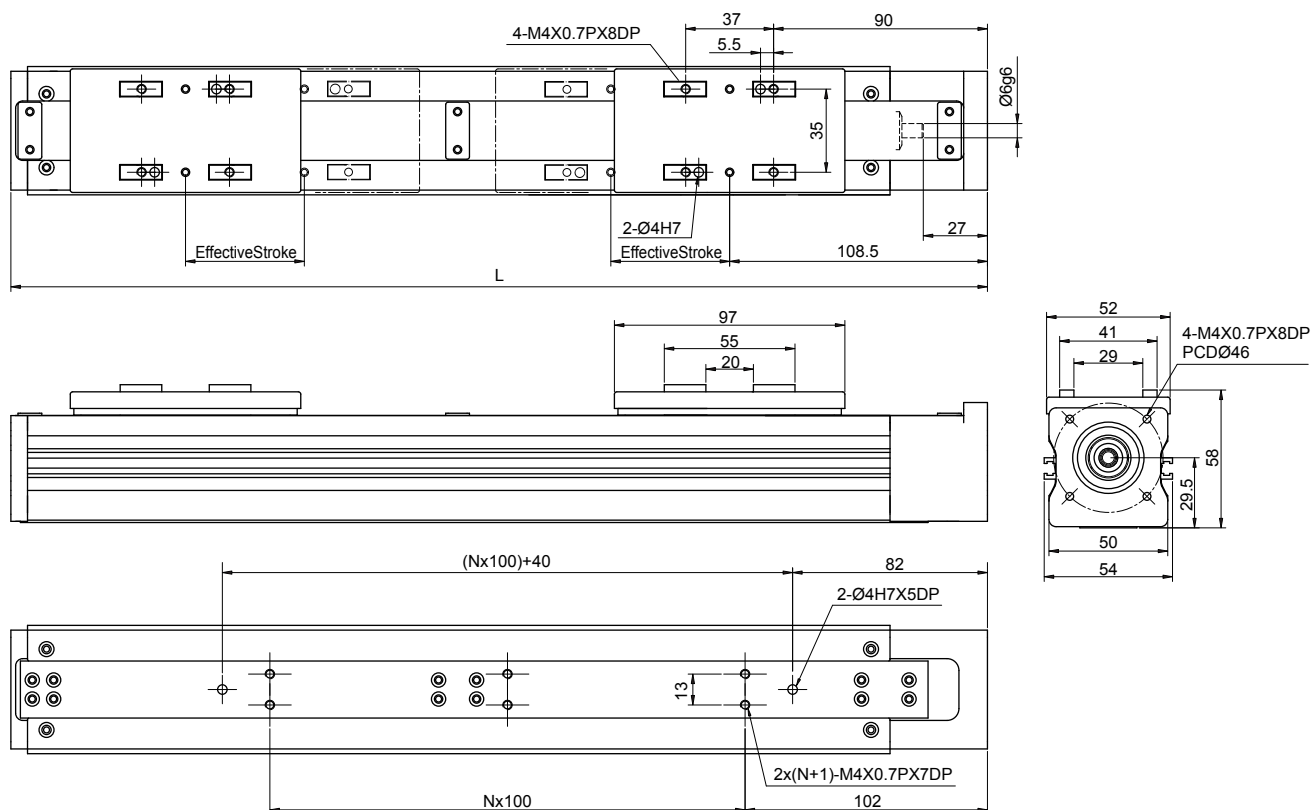
Effective Stroke (mm)	Total Length (mm)	N	Weight (kg)	Max. Speed (mm/sec)	AC Servo Motor Output (W)	50
100	285	1	1.4	200	Repeatability (mm)	Grade C: ± 0.02
200	385	2	1.7	200	Ball screw lead (mm)	4
300	485	3	2	200	Stroke (mm)	100~400 (100 Pitch)
400	585	4	2.3	200	Cable length (m)	5 (Standard), 10

Note: Please consult HIWIN MIKROSYSTEM when using the special specification with the stroke or speed.

2.5 Model Number of KS05 Type

KS05	-04	-0200	-C	-2	-M1	D	B	-S1	-5	-F1
Model	Lead [mm] : 4	Effective stroke [mm] 100-250 (50mm Pitch)	Accuracy Grade C: Normal	Number of Slider None:Single slider 2:Double slider	Motor Type M0: Without Motor M1: Mitsubishi 50W P1: Panasonic 50W	Motor Driver D: With Driver None: Without Driver	B: With Brake None: Without Brake	Limits Sensor S1: Omron SX-674A None: Without Sensor	Cable Length 5: 5M(Standard) A:10M None: Without Cable	Adaptor Flange None: Use Mitsubishi Motor F1: Adaptor Panasonic Motor

2.6 Dimensions for KS05 (Double slider)



Effective Stroke (mm)	Total Length (mm)	N	Weight (kg)	Max. Speed (mm/sec)	AC Servo Motor Output (W)	50
100	511	3	2.3	200	Repeatability (mm)	Grade C: ±0.02
150	611	4	2.5	200	Ball screw lead (mm)	4
200	711	5	2.8	200	Stroke (mm)	100~250 (100 Pitch)
250	811	6	3	200	Cable length (m)	5 (Standard), 10

Note: Please consult HIWIN MIKROSYSTEM when using the special specification with the stroke or speed.

Single Axis Robot KS Type

3.1 Features

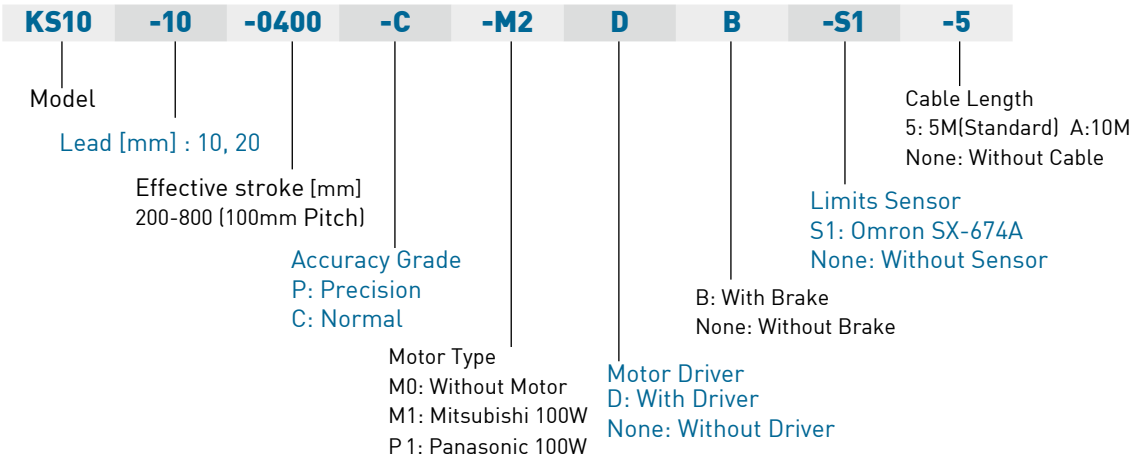
- Reasonable price
- Clean room class 10-100
- Stainless covers
- Already installed AC servo motor (optional)
- High repeatability $\pm 0.01\text{mm}$
- Dust proof
- Support different Strokes

3.2 Applications

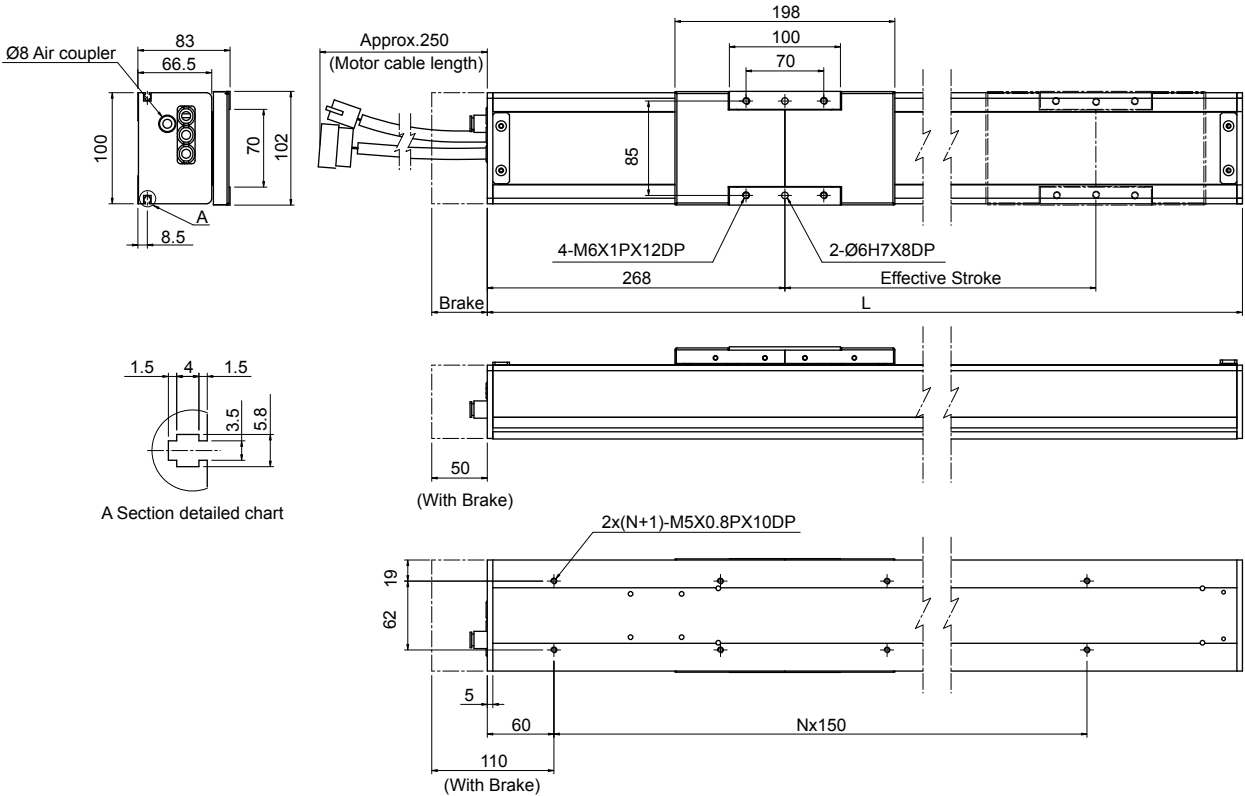
- FPD industry
- Semiconductor
- Medical applications
- FPD glass transfer
- Inspection & Testing equipment



3.3 Model Number of KS10 Type



3.4 Dimensions for KS10



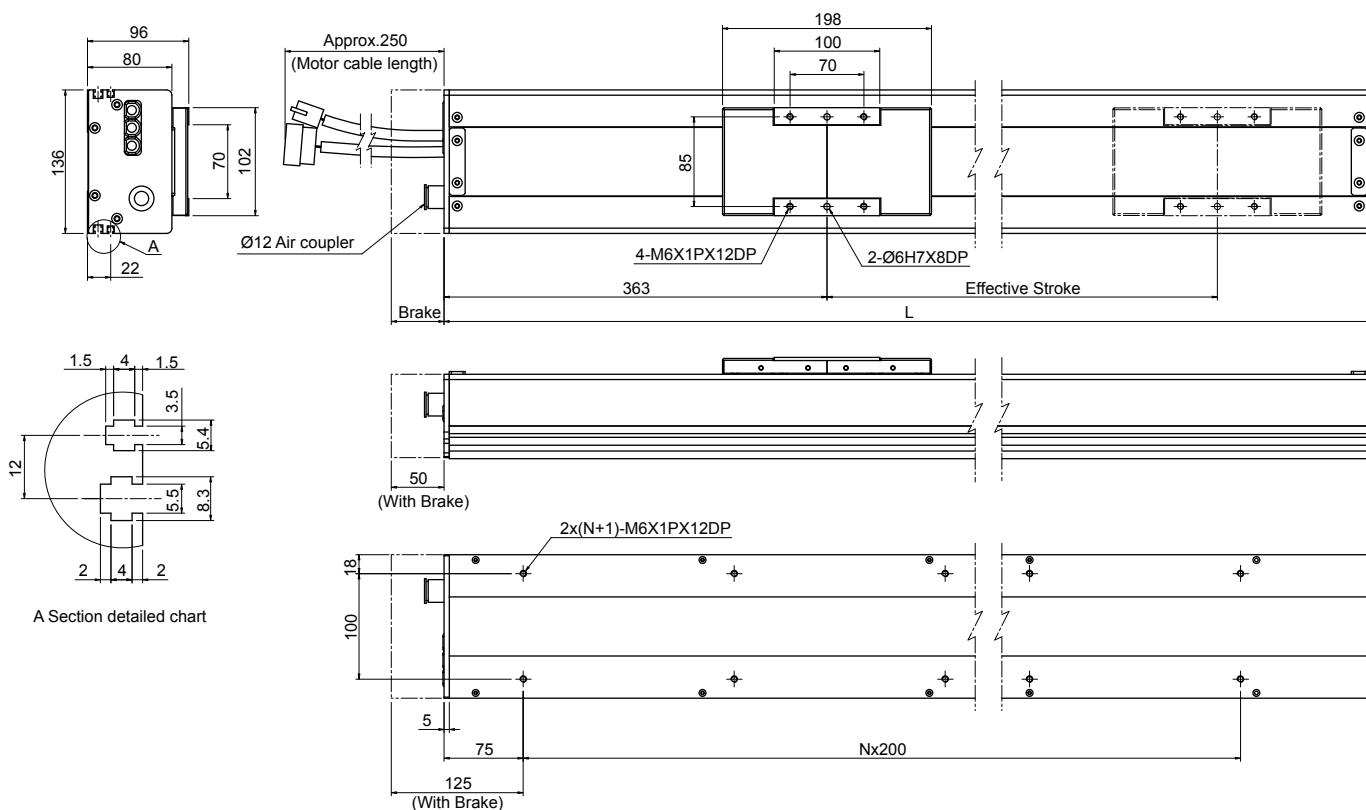
Effective Stroke (mm)	Total Length (mm)	N	Weight (kg)	Max. Speed (mm/sec)		AC Servo Motor Output(W)	100
				Lead 10	Lead 20		
200	600	3	9.1	500	1000	Repeatability (mm)	Grade C: ±0.01 Grade P: ±0.005(uni-direction)
300	700	4	9.8	500	1000	Degree of cleanroom	Class 100 (When the suction blower is used)
400	800	4	10.5	500	1000	Ball screw lead (mm)	20 or 10
500	900	5	11.2	500	1000	Stroke (mm)	200~800 (100 Pitch)
600	1000	6	11.9	500	1000	Cable length (m)	5 (Standard), 10
700	1100	6	12.6	390	780		
800	1200	7	13.3	315	630		

Note: Please consult HIWIN MIKROSYSTEM when using the special specification with the stroke or speed.

3.5 Model Number of KS14 Type

KS14	-20	-0600	-C	-M3	D	B	-S1	-5
Model	Lead [mm] : 10, 20	Effective stroke [mm] 200-1100 (100mm Pitch)	Accuracy Grade P: Precision C: Normal	Motor Type M0: Without Motor M3: Mitsubishi 200W P3: Panasonic 200W	Motor Driver D: With Driver None: Without Driver	B: With Brake None: Without Brake	Limits Sensor S1: Omron SX-674A None: Without Sensor	Cable Length 5: 5M(Standard) A:10M None: Without Cable

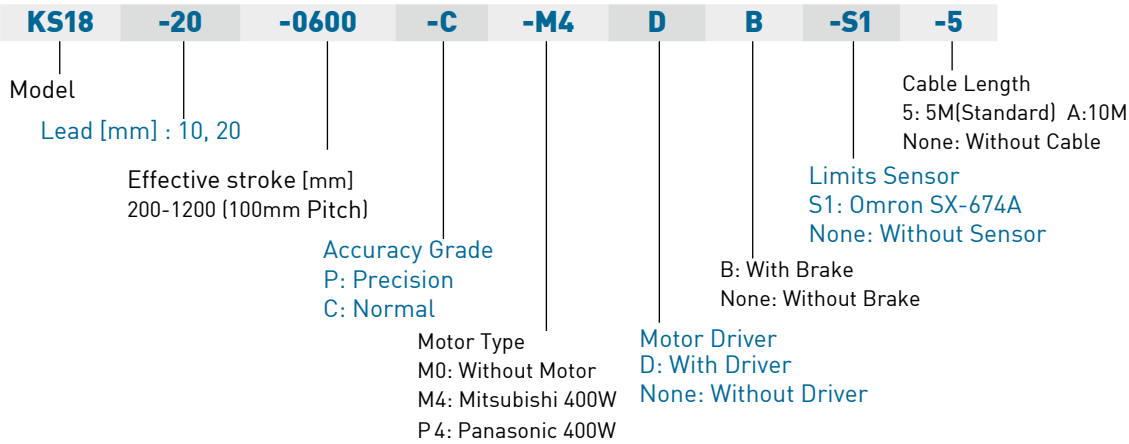
3.6 Dimensions for KS14



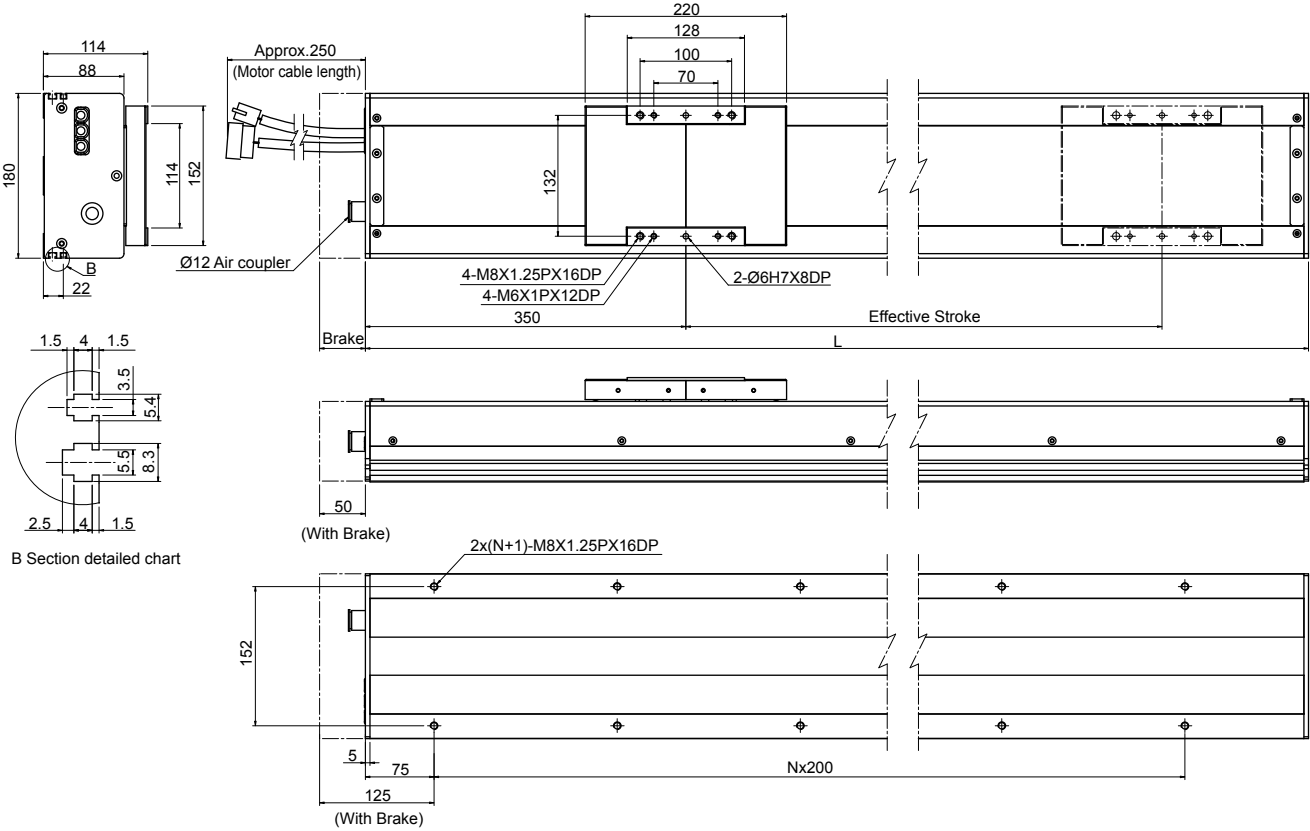
Effective Stroke (mm)	Total Length (mm)	N	Weight (kg)	Max. Speed (mm/sec)		AC Servo Motor Output(W)	100
				Lead 10	Lead 20		
200	700	3	13.5	500	1000	Repeatability (mm)	Grade C: ±0.01 Grade P: ±0.005(uni-direction)
300	800	3	14.7	500	1000		
400	900	4	15.9	500	1000	Degree of cleanroom	Class 100 (When the suction blower is used)
500	1000	4	17.1	500	1000		
600	1100	5	18.3	500	1000	Ball screw lead (mm)	20 or 10
700	1200	5	19.5	500	1000		
800	1300	6	20.7	405	810	Stroke (mm)	200~1100 (100 Pitch)
900	1400	6	21.9	340	680		
1000	1500	7	23.2	285	570	Cable length (m)	5 (Standard), 10
1100	1600	7	24.4	240	480		

Note: Please consult HIWIN MIKROSYSTEM when using the special specification with the stroke or speed.

3.7 Model Number of KS18 Type



3.8 Dimensions for KS18



Effective Stroke (mm)	Total Length (mm)	N	Weight (kg)	Max. Speed (mm/sec)		AC Servo Motor Output(W)	400
				Lead 10	Lead 20		
200	710	3	16.5	500	1000	Repeatability (mm)	Grade C: ±0.01 Grade P: ±0.005(uni-direction)
300	810	3	18.1	500	1000		
400	910	4	19.7	500	1000		
500	1010	4	21.3	500	1000	Degree of cleanroom	Class 100 (When the suction blower is used)
600	1110	5	22.9	500	1000		
700	1210	5	24.4	500	1000	Ball screw lead (mm)	20 or 10
800	1310	6	26	405	810		
900	1410	6	27.6	340	680	Stroke (mm)	200~1200 (100 Pitch)
1000	1510	7	29.2	285	570		
1100	1610	7	30.8	240	480	Cable length (m)	5 (Standard), 10
1200	1710	8	32.3	210	420		

Note: Please consult HIWIN MIKROSYSTEM when using the special specification with the stroke or speed.