

# Robot Joint

## EPSON Robot Compatible



- **Light weight and compact**
- **New designing is not required**
- **Quickly connect 5 types of actuators**

- Flat type air hand
- 3 finger hand
- Electric hand
- Compliance light
- Auto hand changer



# Robot Joint

## EPSON Robot Compatible

- Specialized robot joints are available for mounting 5 series of Koganei actuators to Epson SCARA robots and vertical articulated robots.
- Man-hours can be greatly reduced from equipment setup by mounting robot joints to Epson robots.
- Aluminum is used to reduce weight and support the strength of the compact, light-weight, and slim robots from Epson.

### ● SCARA robot from Epson

Compatible robots
G1
GX4
GX8
G10
G20
LS3
LS6
LS10
LS20
T3
T6
RS3
RS4

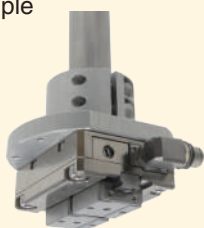


### ● Vertical articulated robot from Epson

Compatible robots
C4
C8
C12
N2
N6
VT6L



### ● Electric hand mounting example



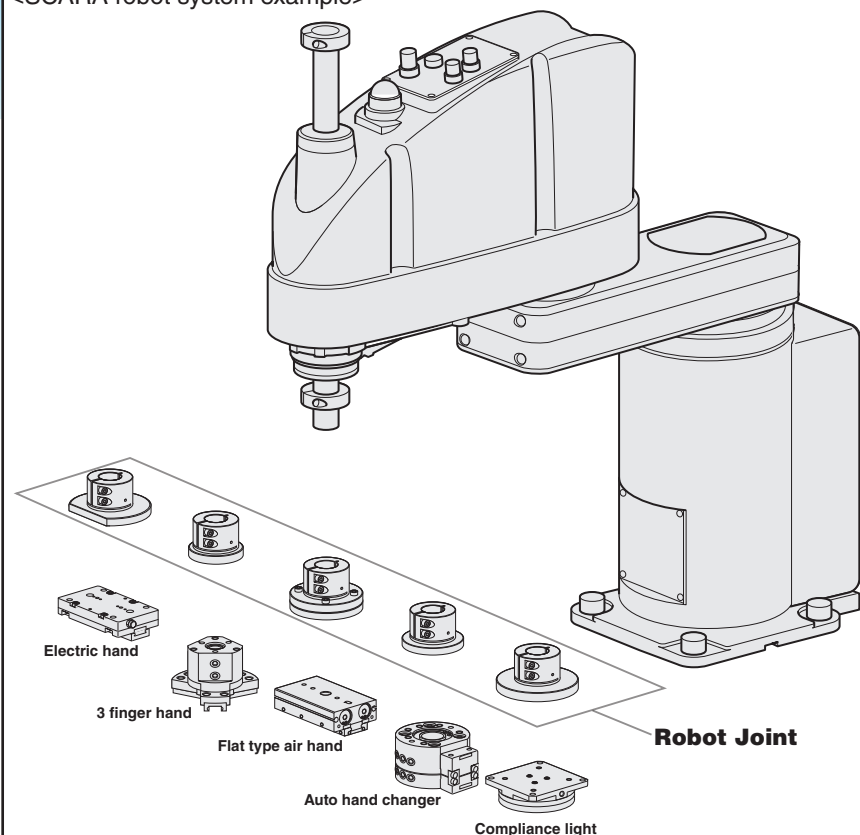
### ● Flat type air hand mounting example



### ● 3 finger hand mounting example

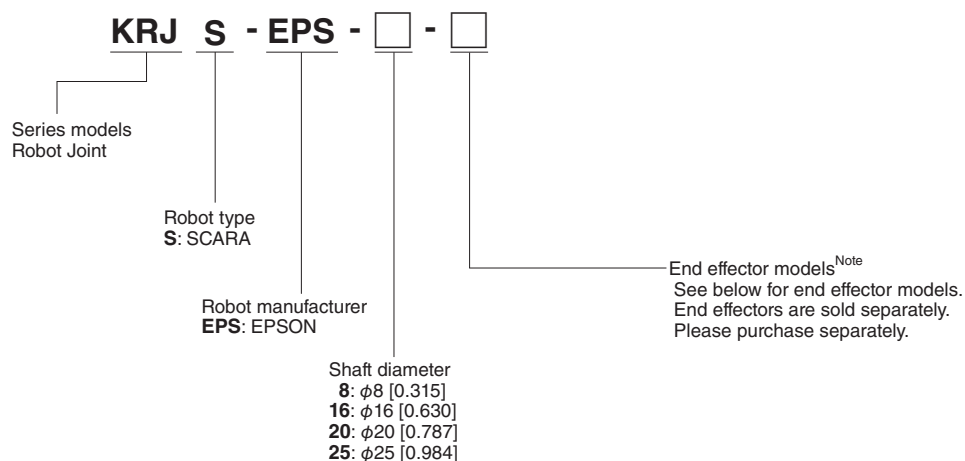


### <SCARA robot system example>



## Order codes

### ● Robot joint models (for SCARA robots)

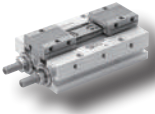
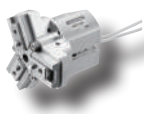

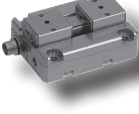
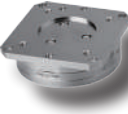



Note: See page ⑤ for combinations of shaft diameters and end effector models.

### ● Compatibility table for shaft diameters and Epson SCARA robot series

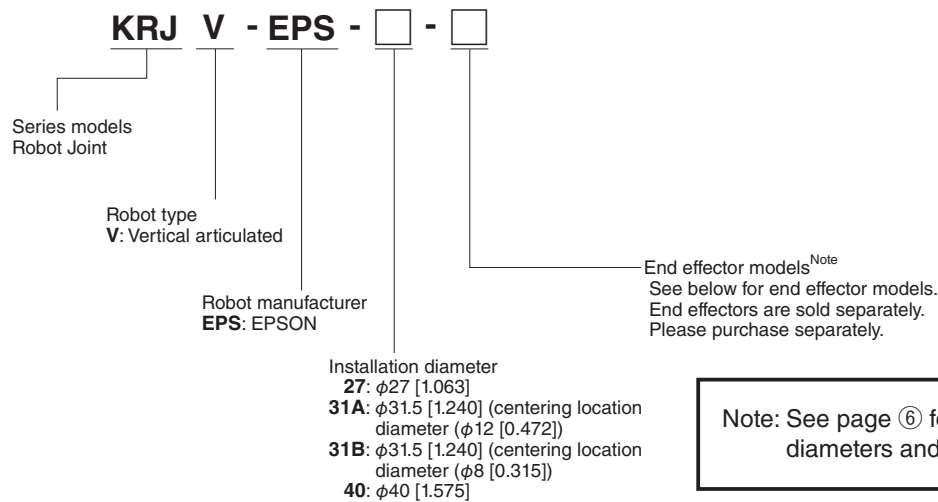
Shaft diameter (mm [in.])	Compatible robots
<b>8 [0.315]</b>	G1
<b>16 [0.630]</b>	GX4
	LS3
	RS3
	RS4
	T3
<b>20 [0.787]</b>	GX8
	LS6
	T6
<b>25 [0.984]</b>	G10
	G20
	LS10
	LS20

### ● End effector models

Flat type air hand	3 finger hand	Electric hand		Compliance light	Auto hand changer
					
AFDPG6	NHE1D16	EWHA6H	EW2H8	CPL34F	MJC3
AFDPG8	NHE1D20	EWHA12H	EW2H18	CPL54F	MJC10
AFDPG12	NHE1D25	EWHA24H	EW2H28	CPL70F	MJC20
AFDPG14		EWHA36H	EW2HL8	CPL90F	
AFDPG18		EWHA12A	EW2HL18		
AFDPGL6		EWHA24A	EW2HL28		
AFDPGL8		EWHA36A			
AFDPGL12					
AFDPGL14					
AFDPGL18					

Note: The above end effectors (5 series) are sold separately. Please purchase separately.

● Robot joint models (for vertical articulated robots)

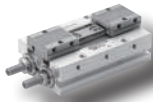
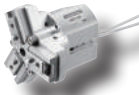

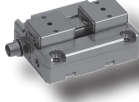
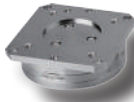



Note: See page ⑥ for combinations of installation diameters and end effector models.

● Compatibility table for installation diameters and Epson vertical articulated robot series

Installation diameter (mm [in.])	Compatible robots
27 [1.063]	C8
	C12
31 [1.240] A	C4
31 [1.240] B	N2
40 [1.575]	N6
	VT6L

● End effector models

Flat type air hand	3 finger hand	Electric hand		Compliance light	Auto hand changer
					
AFDPG6	NHE1D16	EWHA6H	EW2H8	CPL34F	MJC3
AFDPG8	NHE1D20	EWHA12H	EW2H18	CPL54F	MJC10
AFDPG12	NHE1D25	EWHA24H	EW2H28	CPL70F	
AFDPG14		EWHA36H	EW2HL8		
AFDPGL6		EWHA12A	EW2HL18		
AFDPGL8		EWHA24A	EW2HL28		
AFDPGL12		EWHA36A			
AFDPGL14					

Note: The above end effectors (5 series) are sold separately. Please purchase separately.



## Combination of shaft diameter and end effector model

SCARA robots

## ● Air hand (flat type air hand and 3 finger hand) combinations

Shaft diameter	Flat type air hand										3 finger hand		
	AFDPG6	AFDPG8	AFDPG12	AFDPG14	AFDPG18	AFDPGL6	AFDPGL8	AFDPGL12	AFDPGL14	AFDPGL18	NHE1D16	NHE1D20	NHE1D25
8 [0.315]	○	○	-	-	-	○	○	-	-	-	-	-	-
16 [0.630]	○	○	○	-	-	○	○	○	-	-	○	○	-
20 [0.787]	-	○	○	○	-	-	○	○	○	-	-	○	○
25 [0.984]	-	-	○	○	○	-	-	○	○	○	-	-	○

## ● Compliance light combinations

Shaft diameter	Compliance Light			
	CPL34F	CPL54F	CPL70F	CPL90F
8 [0.315]	○	-	-	-
16 [0.630]	○	○	-	-
20 [0.787]	-	○	○	-
25 [0.984]	-	-	○	○

## ● Auto hand changer combinations

Shaft diameter	Auto hand changer		
	MJC3	MJC10	MJC20
8 [0.315]	○	-	-
16 [0.630]	○	○	-
20 [0.787]	-	○	-
25 [0.984]	-	○	○

## ● Electric hand combinations

Shaft diameter	Electric hand												
	EWHA6H	EWHA12H	EWHA24H	EWHA36H	EWHA12A	EWHA24A	EWHA36A	EW2H8	EW2H18	EW2H28	EW2HL8	EW2HL18	EW2HL28
8 [0.315]	○	-	-	-	-	-	-	○	-	-	○	-	-
16 [0.630]	○	○	-	-	○	○	○	○	○	-	○	○	-
20 [0.787]	-	○	○	○	○	○	○	-	○	○	-	○	○
25 [0.984]	-	○	○	○	○	○	○	-	○	○	-	○	○

## Combination of installation diameter and end effector model

Vertical articulated robot

## ● Air hand (flat type air hand and 3 finger hand) combinations

Installation diameter	Flat type air hand								3 finger hand		
	AFDPG6	AFDPG8	AFDPG12	AFDPG14	AFDPGL6	AFDPGL8	AFDPGL12	AFDPGL14	NHE1D16	NHE1D20	NHE1D25
27 [1.063]	-	○	○	○	-	○	○	○	-	○	○
31 [1.240] A	○	○	○	-	○	○	○	-	○	○	-
31 [1.240] B	○	○	○	-	○	○	○	-	○	○	-
40 [1.575]	-	○	○	○	-	○	○	○	-	○	○

## ● Compliance light combinations

Installation diameter	Compliance Light		
	CPL34F	CPL54F	CPL70F
27 [1.063]	-	○	○
31 [1.240] A	○	○	-
31 [1.240] B	○	○	-
40 [1.575]	-	○	○

## ● Auto hand changer combinations

Installation diameter	Auto hand changer	
	MJC3	MJC10
27 [1.063]	○	○
31 [1.240] A	○	○
31 [1.240] B	○	○
40 [1.575]	○	○

## ● Electric hand combinations

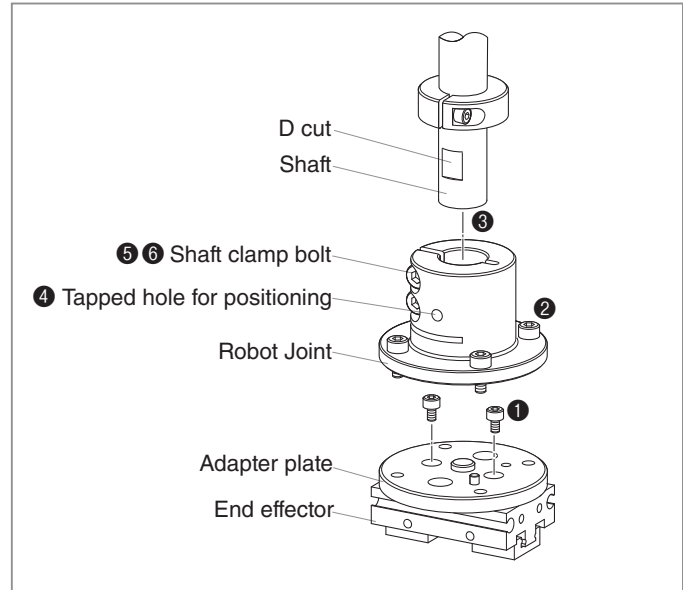
Installation diameter	Electric hand												
	EWHA6H	EWHA12H	EWHA24H	EWHA36H	EWHA12A	EWHA24A	EWHA36A	EW2H8	EW2H18	EW2H28	EW2HL8	EW2HL18	EW2HL28
27 [1.063]	-	○	○	○	○	○	○	○ Note	○ Note	○ Note	○	○	○
31 [1.240] A	○	○	-	-	○	○	○	○ Note	○	-	○	○	-
31 [1.240] B	○	○	-	-	○	○	○	○ Note	○	-	○	○	-
40 [1.575]	-	○	○	○	○	○	○	○ Note	○ Note	○ Note	○ Note	○	○

Note: The electric hand cable direction "-2" cannot be selected.

## Installation procedure

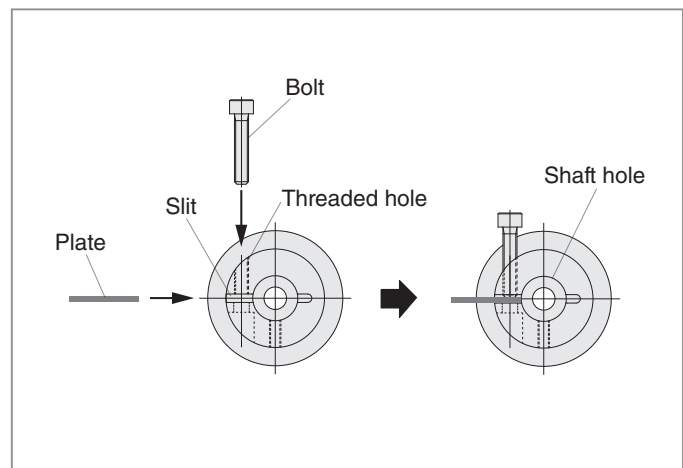
### 1. SCARA robot (model: KRJS-□)

- ① Install the end effector and adapter plate.  
If not included, the adapter plate is not required.
- ② Install the adapter plate (or end effector if the model does not include an adapter plate) and robot joint.
- ③ Insert the robot joint into the shaft, until the end.
- ④ We recommend the following procedure if the D-cut in the shaft is used for positioning.  
The screw used in the tapped hole for positioning must be prepared by the customer.  
[Recommended procedure when using tapped hole for positioning]  
 (1) Temporarily screw in the positioning screw, and then decide the position of the robot joint.  
 (2) Temporarily tighten the shaft clamp bolt to secure the robot joint.  
 (3) Remove the temporarily tightened positioning screw.
- ⑤ Tighten the shaft clamp bolt.
- ⑥ If the model has 2 shaft clamp bolts, alternately tighten them 3 times or more by the specified tightening torque.



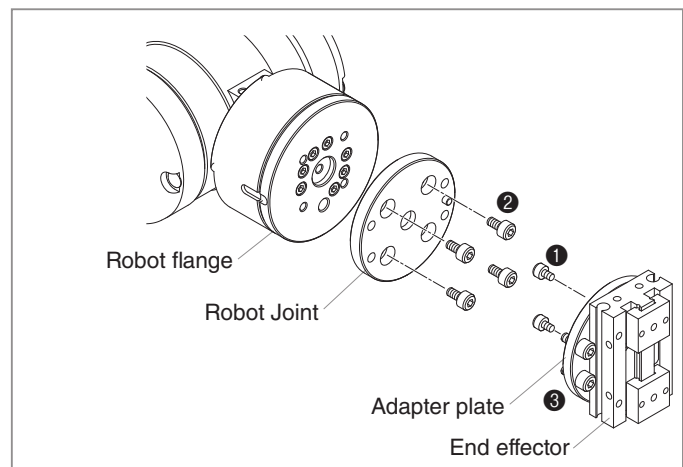
### Caution

If you cannot insert the shaft because the shaft hole in the robot joint is too narrow, then put a plate (a washer or flathead screwdriver can also be used) into the slit, then tighten a bolt (a fastening screw is also possible) into the threaded hole, so the shaft hole widens and the shaft can be inserted.  
After insertion is complete, remove the bolt and plate.



### 2. Vertical articulated robot (model: KRJV-□)

- ① Install the end effector and adapter plate. If not included, the adapter plate is not required.
- ② Install the robot flange and robot joint.
- ③ Install the adapter plate (or end effector if the model does not include an adapter plate) and robot joint.





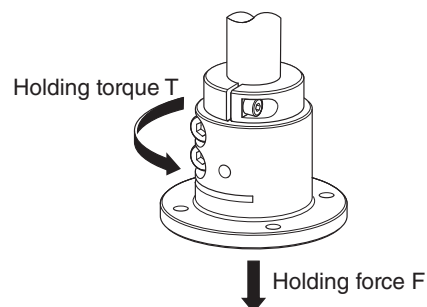
## Handling instructions and precautions

### Retaining force

#### ● Robot Joint for SCARA robots

Shaft diameter (mm [in.])	Holding force F (N [lbf])	Holding torque T (N·m [in·lbf])
<b>8 [0.315]</b>	400 [89.920]	1.4 [12.391]
<b>16 [0.630]</b>	1400 [314.7]	14 [123.9]
<b>20 [0.787]</b>	1500 [337.2]	15 [132.8]
<b>25 [0.984]</b>	1600 [359.7]	23 [203.6]

Note: The robot joint for vertical articulated robots has regular bolt fasteners, so the strength is not specified.



### Material

Name of part	Material
Robot Joint	Aluminum alloy (alumite treatment)
Adapter plate	Aluminum alloy (alumite treatment)
Bolt	Stainless steel
Parallel pin	Stainless steel

### Tightening torque

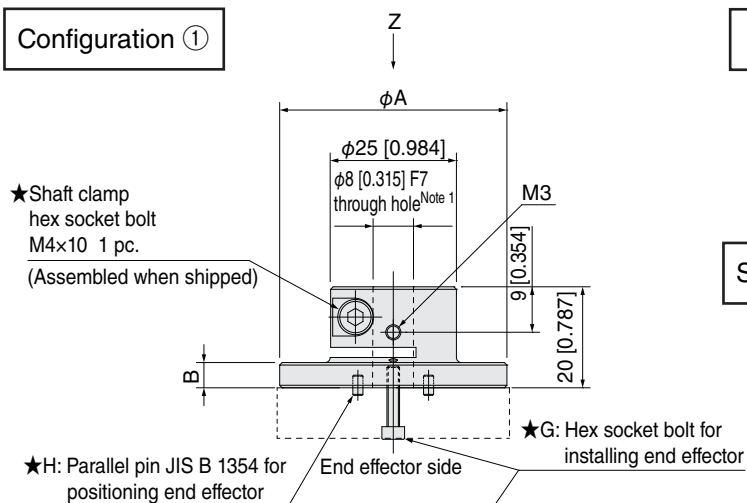
Screw size	Tightening torque (N·m [in·lbf])
M2.5	0.36 [3.186]
M3	0.63 [5.576]
M4	1.5 [13.277]
M5	3 [26.553]
M6	5.2 [46.025]

#### Caution

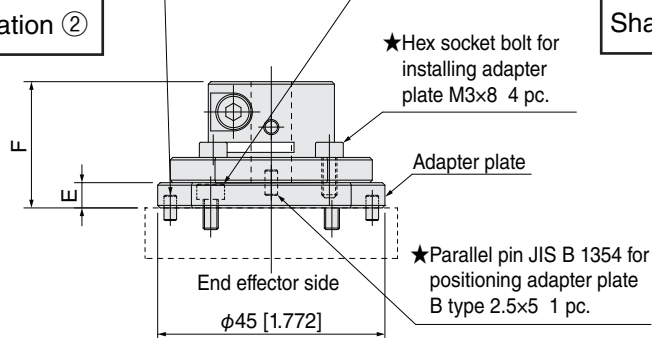
If there is a risk of bolts loosening due to shocks or vibrations, consider taking measures to prevent them from loosening.

**Robot type : SCARA**  
**Shaft diameter : 8 [0.315]**

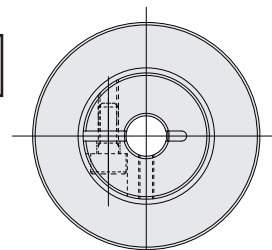
**Configuration ①**



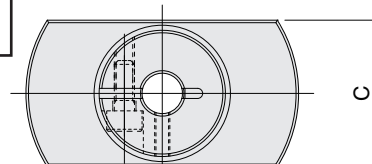
**Configuration ②**



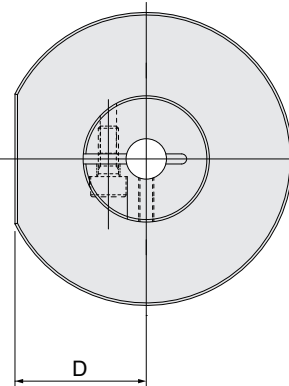
**Shape I**



**Shape II**



**Shape III**



View from arrow Z

# Robot type : SCARA Shaft diameter : 8 [0.315]

## ● Air hand

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-8-AFDPG6	30 [1.06]	52 [1.83]	①	I	29 [1.142]	5 [0.197]	-	-	-	-	M2.5×12	2	B type 2×4	2
KRJS-EPS-8-AFDPG8	70 [2.47]	86 [3.03]	②	II	40 [1.575]	5 [0.197]	32 [1.260]	-	5 [0.197]	25 [0.984]	M3×6	2	B type 2.5×5	2
KRJS-EPS-8-AFDPGL6	45 [1.59]	60 [2.12]	①	II	54 [2.126]	5 [0.197]	29 [1.142]	-	-	-	M2.5×12	2	B type 2×4	2
KRJS-EPS-8-AFDPGL8	60 [2.12]	135 [4.76]	①	II	78 [3.071]	5 [0.197]	32 [1.260]	-	-	-	M3×14	2	B type 2.5×5	2

## ● Compliance light

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <sup>Note 3</sup>	End effector <sup>Note 4</sup>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-8-CPL34F	50 [1.76]	42 [1.48]	①	I	46 [1.811]	5 [0.197]	-	-	-	-	M3×8	4	B type 3×6	1

## ● Auto hand changer

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <sup>Note 3</sup>	End effector <sup>Note 4</sup>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-8-MJC3	35 [1.23]	65 [2.29]	①	I	34 [1.339]	5 [0.197]	-	-	-	-	M3×20	4	B type 2×5	1

## ● Electric hand

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-8-EWHA6H	60 [2.12]	150 [5.29]	①	Ⅲ	58 [2.283]	5 [0.197]	-	26 [1.024]	-	-	M3×10	4	B type 2×6	2
KRJS-EPS-8-EW2H8	60 [2.12]	90 [3.17]	①	Ⅲ	58 [2.283]	5 [0.197]	-	26 [1.024]	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-8-EW2HL8	60 [2.12]	140 [4.94]	①	Ⅲ	58 [2.283]	5 [0.197]	-	26 [1.024]	-	-	M3×16	4	B type 2×6	2

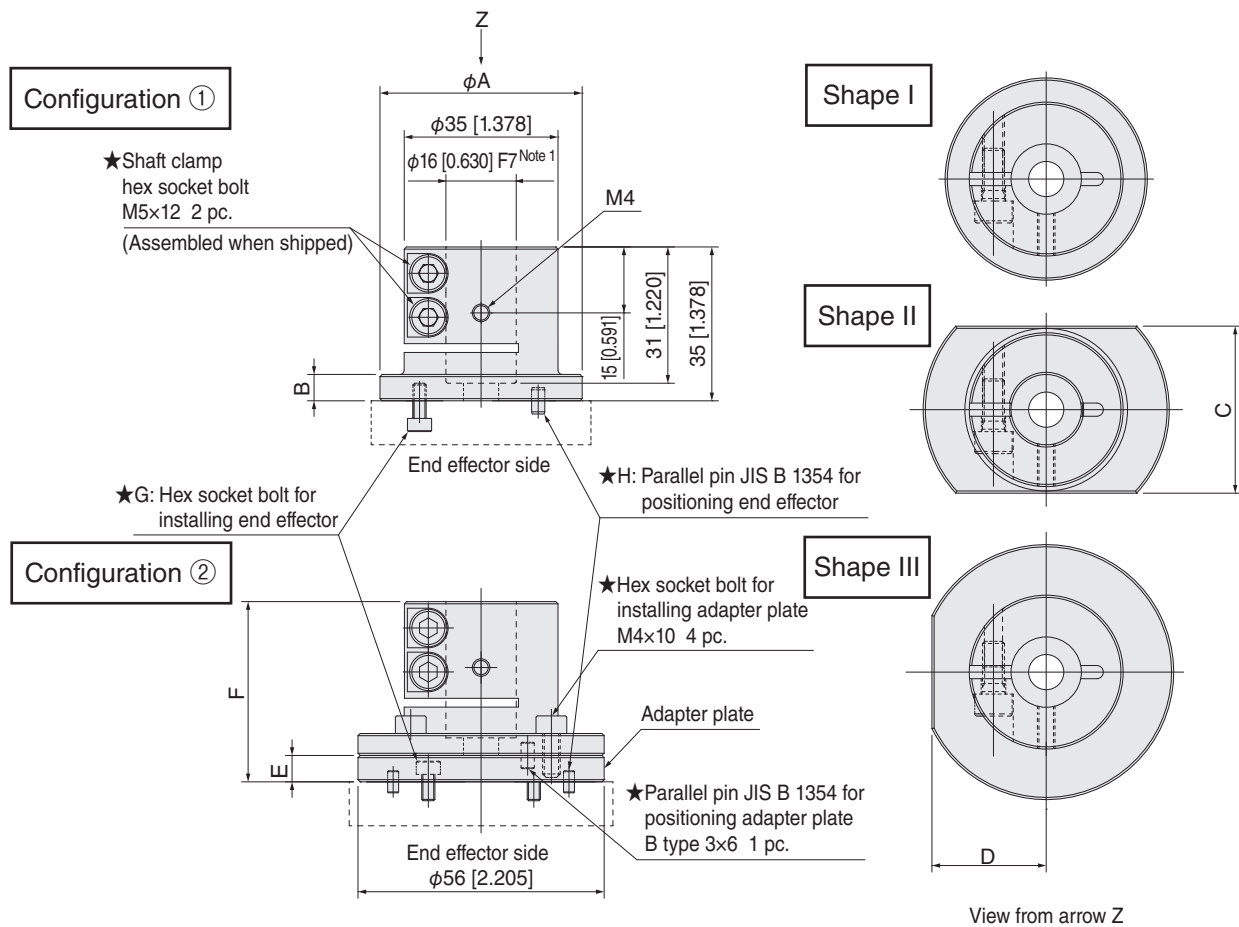
Note 1: The F7 tolerance is before machining of the slit. After machining of the slit, F7 may be inaccurate.

2: In the drawings, the (★) bolts and pins are accessories.

3: The product weight includes the weight of the bolts and parallel pins that are accessories.

4: The end effectors are not included with these products. They must be ordered separately.

**Robot type : SCARA**  
**Shaft diameter : 16 [0.630]**



## Robot type : SCARA

### Shaft diameter : 16 [0.630]

#### ● Air hand

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-16-AFDPG6	85 [3.00]	52 [1.83]	①	I	35 [1.378]	-	-	-	-	-	M2.5×12	2	B type 2×4	2
KRJS-EPS-16-AFDPG8	160 [5.64]	86 [3.03]	②	I	56 [2.205]	5 [0.197]	-	-	6 [0.236]	41 [1.614]	M3×6	2	B type 2.5×5	2
KRJS-EPS-16-AFDPG12	160 [5.64]	200 [7.05]	②	I	56 [2.205]	5 [0.197]	-	-	6 [0.236]	41 [1.614]	M4×8	2	B type 3×6	2
KRJS-EPS-16-AFDPGL6	110 [3.88]	60 [2.12]	①	II	56 [2.205]	6 [0.236]	38 [1.496]	-	-	-	M2.5×12	2	B type 2×4	2
KRJS-EPS-16-AFDPGL8	125 [4.41]	135 [4.76]	①	II	78 [3.071]	6 [0.236]	38 [1.496]	-	-	-	M3×14	2	B type 2.5×5	2
KRJS-EPS-16-AFDPGL12	155 [5.47]	330 [11.64]	①	II	96 [3.780]	8 [0.315]	41 [1.614]	-	-	-	M4×18	2	B type 3×6	2
KRJS-EPS-16-NHE1D16	100 [3.53]	170 [6.00]	①	I	41 [1.614]	10 [0.394]	-	-	-	-	M3×35	3	B type 2×4	1
KRJS-EPS-16-NHE1D20	115 [4.06]	306 [10.79]	①	I	48 [1.890]	10 [0.394]	-	-	-	-	M3×40	3	B type 3×6	1

#### ● Compliance light

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-16-CPL34F	100 [3.53]	42 [1.48]	①	I	46 [1.811]	6 [0.236]	-	-	-	-	M3×8	4	B type 3×6	1
KRJS-EPS-16-CPL54F	115 [4.06]	130 [4.59]	①	I	54 [2.126]	6 [0.236]	-	-	-	-	M5×12	4	A type 4×6 <small>Note 5</small>	1

#### ● Auto hand changer

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <sup>Note 3</sup>	End effector <sup>Note 4</sup>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-16-MJC3	85 [3.00]	65 [2.29]	①	I	35 [1.378]	-	-	-	-	-	M3×20	4	B type 2×5	1
KRJS-EPS-16-MJC10	125 [4.41]	235 [8.29]	①	I	54 [2.126]	9 [0.354]	-	-	-	-	M5×30	4	B type 4×8	1

#### ● Electric hand

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-16-EWHA6H	115 [4.06]	150 [5.29]	①	Ⅲ	58 [2.283]	6 [0.236]	-	26 [1.024]	-	-	M3×10	4	B type 2×6	2
KRJS-EPS-16-EWHA12H	160 [5.64]	290 [10.23]	①	I	80 [3.150]	6 [0.236]	-	-	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-16-EWHA12A	115 [4.06]	170 [6.00]	①	Ⅲ	58 [2.283]	6 [0.236]	-	26 [1.024]	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-16-EWHA24A	140 [4.94]	260 [9.17]	①	Ⅲ	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-16-EWHA36A	140 [4.94]	260 [9.17]	①	Ⅲ	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-16-EW2H8	115 [4.06]	90 [3.17]	①	Ⅲ	58 [2.283]	6 [0.236]	-	26 [1.024]	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-16-EW2H18	140 [4.94]	160 [5.64]	①	Ⅲ	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	M4×18	4	B type 3×6	2
KRJS-EPS-16-EW2HL8	115 [4.06]	140 [4.94]	①	Ⅲ	58 [2.283]	6 [0.236]	-	26 [1.024]	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-16-EW2HL18	140 [4.94]	250 [8.82]	①	Ⅲ	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	M4×18	4	B type 3×6	2

Note 1: The F7 tolerance is before machining of the slit. After machining of the slit, F7 may be inaccurate.

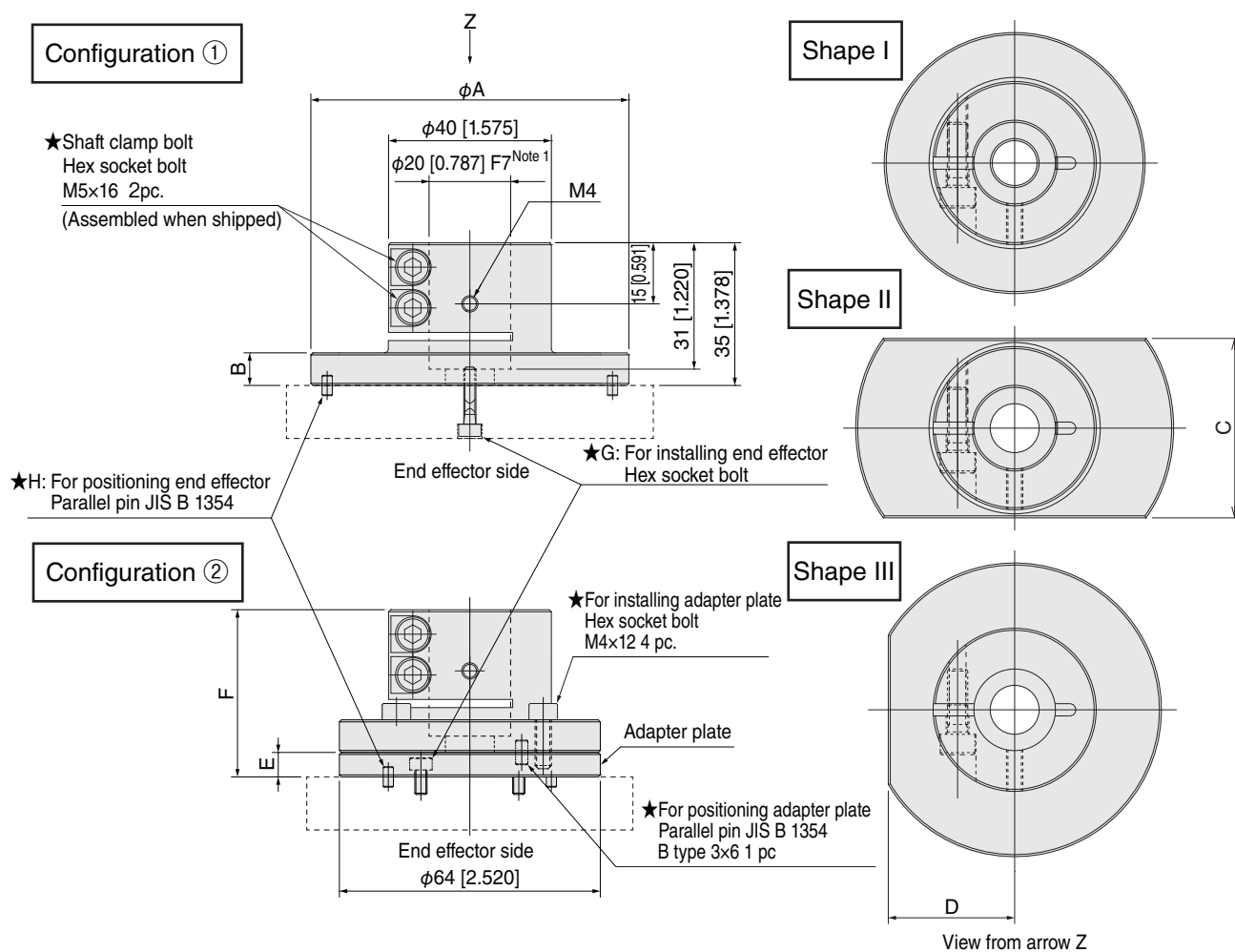
2: In the drawings, the (★) bolts and pins are accessories.

3: The product weight includes the weight of the bolts and parallel pins that are accessories.

4: The end effectors are not included with these products. They must be ordered separately.

5: The KRJS-EPS-16-CPL54F uses the old JIS A type parallel pin for positioning the end effector.

**Robot type : SCARA**  
**Shaft diameter : 20 [0.787]**



## Robot type : SCARA

### Shaft diameter : 20 [0.787]

#### ● Air hand

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-20-AFDPG8	220 [7.76]	86 [3.03]	②	I	64 [2.520]	8 [0.315]	-	-	6 [0.236]	41 [1.614]	M3×6	2	B type 2.5×5	2
KRJS-EPS-20-AFDPG12	220 [7.76]	200 [7.05]	②	I	64 [2.520]	8 [0.315]	-	-	6 [0.236]	41 [1.614]	M4×8	2	B type 3×6	2
KRJS-EPS-20-AFDPG14	235 [8.29]	390 [13.76]	②	I	64 [2.520]	8 [0.315]	-	-	8 [0.315]	43 [1.693]	M5×10	2	B type 3×6	2
KRJS-EPS-20-AFDPGL8	155 [5.47]	135 [4.76]	①	II	78 [3.071]	8 [0.315]	44 [1.732]	-	-	-	M3×14	2	B type 2.5×5	2
KRJS-EPS-20-AFDPGL12	175 [6.17]	330 [11.64]	①	II	96 [3.780]	8 [0.315]	44 [1.732]	-	-	-	M4×18	2	B type 3×6	2
KRJS-EPS-20-AFDPGL14	155 [5.47]	570 [20.11]	①	II	90 [3.543]	8 [0.315]	44 [1.732]	-	-	-	M5×14	2	B type 3×6	2
KRJS-EPS-20-NHE1D20	125 [4.41]	306 [10.79]	①	I	48 [1.890]	10 [0.394]	-	-	-	-	M3×40	3	B type 3×6	1
KRJS-EPS-20-NHE1D25	155 [5.47]	580 [20.46]	①	I	60 [2.362]	10 [0.394]	-	-	-	-	M4×45	3	B type 3×6	1

#### ● Compliance light

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-20-CPL54F	175 [6.17]	130 [4.59]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	M5×10	4	B type 4×8	1
KRJS-EPS-20-CPL70F	175 [6.17]	250 [8.82]	①	I	70 [2.756]	8 [0.315]	-	-	-	-	M5×14	4	B type 5×8	1

#### ● Auto hand changer

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-20-MJC10	135 [4.76]	235 [8.29]	①	I	54 [2.126]	9 [0.354]	-	-	-	-	M5×30	4	B type 4×8	1

#### ● Electric hand

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <sup>Note 3</sup>	End effector <sup>Note 4</sup>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-20-EWHA12H	200 [7.05]	290 [10.23]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-20-EWHA24H	200 [7.05]	350 [12.35]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-20-EWHA36H	200 [7.05]	360 [12.70]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-20-EWHA12A	140 [4.94]	170 [6.00]	①	I	58 [2.283]	8 [0.315]	-	-	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-20-EWHA24A	175 [6.17]	260 [9.17]	①	Ⅲ	72 [2.835]	8 [0.315]	-	31 [1.220]	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-20-EWHA36A	175 [6.17]	260 [9.17]	①	Ⅲ	72 [2.835]	8 [0.315]	-	31 [1.220]	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-20-EW2H18	175 [6.17]	160 [5.64]	①	Ⅲ	72 [2.835]	8 [0.315]	-	31 [1.220]	-	-	M4×18	4	B type 3×6	2
KRJS-EPS-20-EW2H28	225 [7.94]	360 [12.70]	①	Ⅲ	88 [3.465]	8 [0.315]	-	40 [1.575]	-	-	M4×25	4	B type 3×6	2
KRJS-EPS-20-EW2HL18	175 [6.17]	250 [8.82]	①	Ⅲ	72 [2.835]	8 [0.315]	-	31 [1.220]	-	-	M4×18	4	B type 3×6	2
KRJS-EPS-20-EW2HL28	225 [7.94]	480 [16.93]	①	Ⅲ	88 [3.465]	8 [0.315]	-	40 [1.575]	-	-	M4×25	4	B type 3×6	2

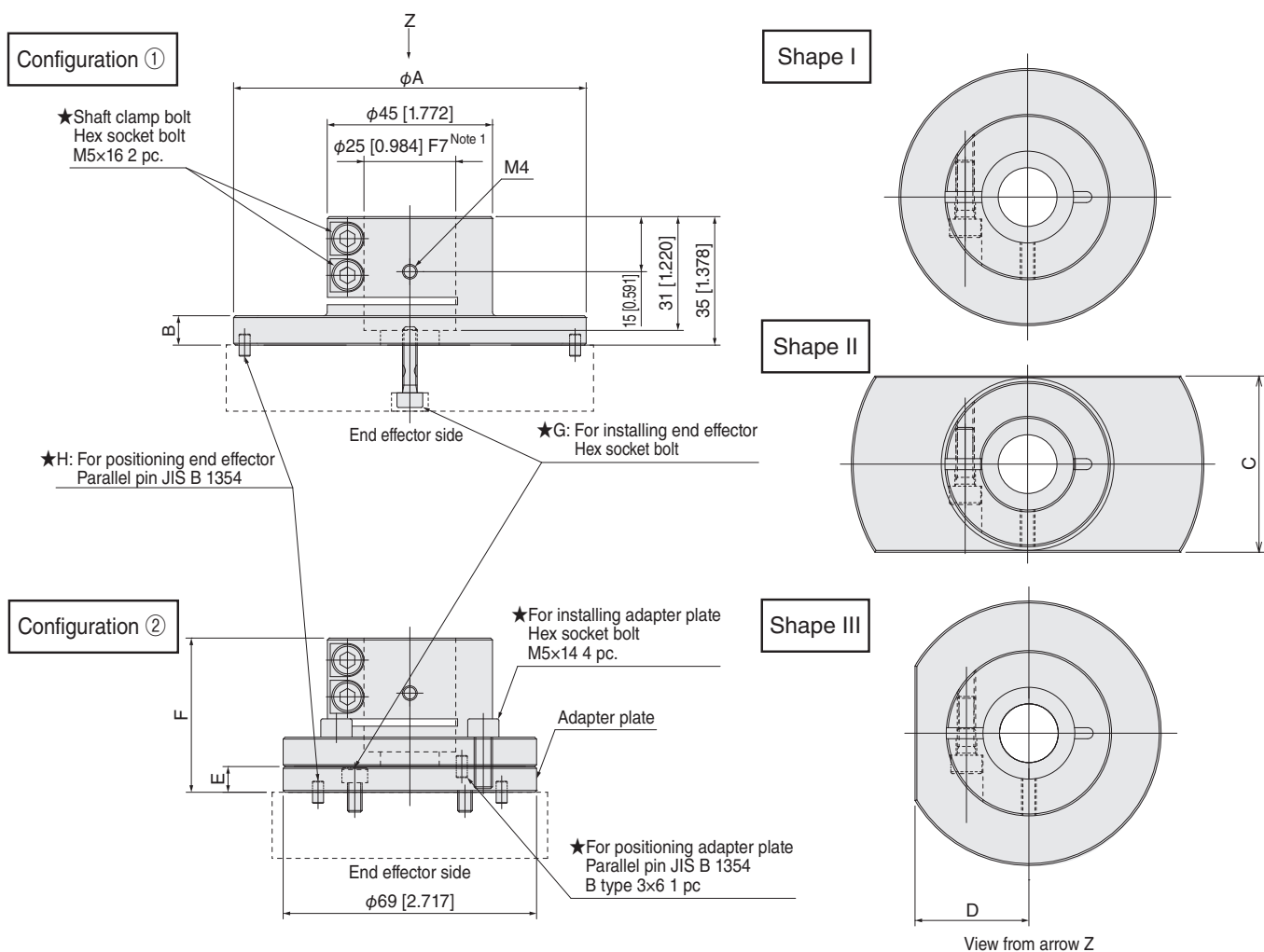
Note 1: The F7 tolerance is before machining of the slit. After machining of the slit, F7 may be inaccurate.

2: In the drawings, the (★) bolts and pins are accessories.

3: The product weight includes the weight of the bolts and parallel pins that are accessories.

4: The end effectors are not included with these products. They must be ordered separately.

**Robot type : SCARA**  
**Shaft diameter : 25 [0.984]**





## Robot type : SCARA

### Shaft diameter : 25 [0.984]

#### ● Air hand

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <small>Note 3</small>	End effector <small>Note 4</small>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-25-AFDPG12	265 [9.35]	200 [7.05]	②	I	69 [2.717]	8 [0.315]	-	-	7 [0.276]	42 [1.654]	M4×8	2	B type 3×6	2
KRJS-EPS-25-AFDPG14	275 [9.70]	390 [13.76]	②	I	69 [2.717]	8 [0.315]	-	-	8 [0.315]	43 [1.693]	M5×10	2	B type 3×6	2
KRJS-EPS-25-AFDPG18	275 [9.70]	690 [24.34]	②	I	69 [2.717]	8 [0.315]	-	-	8 [0.315]	43 [1.693]	M5×10	2	B type 3×6	2
KRJS-EPS-25-AFDPGL12	195 [6.88]	330 [11.64]	①	II	96 [3.780]	8 [0.315]	48 [1.890]	-	-	-	M4×18	2	B type 3×6	2
KRJS-EPS-25-AFDPGL14	195 [6.88]	570 [20.11]	①	II	90 [3.543]	8 [0.315]	52 [2.047]	-	-	-	M5×14	2	B type 3×6	2
KRJS-EPS-25-AFDPGL18	195 [6.88]	1020 [35.98]	①	II	90 [3.543]	8 [0.315]	52 [2.047]	-	-	-	M5×16	2	B type 3×6	2
KRJS-EPS-25-NHE1D25	165 [5.82]	580 [20.46]	①	I	60 [2.362]	10 [0.394]	-	-	-	-	M4×45	3	B type 3×6	1

#### ● Compliance light

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <sup>Note 3</sup>	End effector <sup>Note 4</sup>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-25-CPL70F	185 [6.53]	250 [8.82]	①	I	70 [2.756]	8 [0.315]	-	-	-	-	M5×14	4	B type 5×8	1
KRJS-EPS-25-CPL90F	255 [8.99]	460 [16.23]	①	I	90 [3.543]	8 [0.315]	-	-	-	-	M6×16	4	B type 6×8	1

#### ● Auto hand changer

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <sup>Note 3</sup>	End effector <sup>Note 4</sup>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-25-MJC10	145 [5.11]	235 [8.29]	①	I	54 [2.126]	9 [0.354]	-	-	-	-	M5×30	4	B type 4×8	1
KRJS-EPS-25-MJC20	190 [6.70]	470 [16.58]	①	I	70 [2.756]	9 [0.354]	-	-	-	-	M5×35	4	B type 5×8	1

#### ● Electric hand

Model	Mass (g [oz])		Configuration	Shape	Dimensions						Accessories			
	Product <sup>Note 3</sup>	End effector <sup>Note 4</sup>			A	B	C	D	E	F	G		H	
											Size	Count	Size	Count
KRJS-EPS-25-EWHA12H	210 [7.41]	290 [10.23]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-25-EWHA24H	210 [7.41]	350 [12.35]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-25-EWHA36H	210 [7.41]	360 [12.70]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	M3×16	4	B type 2×6	2
KRJS-EPS-25-EWHA12A	150 [5.29]	170 [6.00]	①	I	58 [2.283]	8 [0.315]	-	-	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-25-EWHA24A	185 [6.53]	260 [9.17]	①	Ⅲ	72 [2.835]	8 [0.315]	-	31 [1.220]	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-25-EWHA36A	185 [6.53]	260 [9.17]	①	Ⅲ	72 [2.835]	8 [0.315]	-	31 [1.220]	-	-	M3×12	4	B type 2×6	2
KRJS-EPS-25-EW2H18	185 [6.53]	160 [5.64]	①	Ⅲ	72 [2.835]	8 [0.315]	-	31 [1.220]	-	-	M4×18	4	B type 3×6	2
KRJS-EPS-25-EW2H28	235 [8.29]	360 [12.70]	①	Ⅲ	88 [3.465]	8 [0.315]	-	40 [1.575]	-	-	M4×25	4	B type 3×6	2
KRJS-EPS-25-EW2HL18	185 [6.53]	250 [8.82]	①	Ⅲ	72 [2.835]	8 [0.315]	-	31 [1.220]	-	-	M4×18	4	B type 3×6	2
KRJS-EPS-25-EW2HL28	235 [8.29]	480 [16.93]	①	Ⅲ	88 [3.465]	8 [0.315]	-	40 [1.575]	-	-	M4×25	4	B type 3×6	2

Note 1: The F7 tolerance is before machining of the slit. After machining of the slit, F7 may be inaccurate.

2: In the drawings, the (★) bolts and pins are accessories.

3: The product weight includes the weight of the bolts and parallel pins that are accessories.

4: The end effectors are not included with these products. They must be ordered separately.



## Robot type : Vertical articulated

### Installation diameter : 27 [1.063]

#### ● Air hand

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-27-AFDPG8	90 [3.17]	86 [3.03]	②	I	52 [2.047]	8 [0.315]	-	-	5 [0.197]	13 [0.512]	52 [2.047]	M5×10	4	M3×6	2	B type 2.5×5	2	M4×12	4
KRJV-EPS-27-AFDPG12	140 [4.94]	200 [7.05]	②	I	66 [2.598]	8 [0.315]	-	-	6 [0.236]	14 [0.551]	60 [2.362]	M5×10	4	M4×8	2	B type 3×6	2	M4×12	4
KRJV-EPS-27-AFDPG14	170 [6.00]	390 [13.76]	②	I	66 [2.598]	8 [0.315]	-	-	8 [0.315]	16 [0.630]	66 [2.598]	M5×10	4	M5×10	2	B type 3×6	2	M4×14	4
KRJV-EPS-27-AFDPGL8	75 [2.65]	135 [4.76]	①	II	78 [3.071]	8 [0.315]	38 [1.496]	-	-	-	-	M5×10	4	M3×16	2	B type 2.5×5	2	-	-
KRJV-EPS-27-AFDPGL12	95 [3.35]	330 [11.64]	①	II	96 [3.780]	8 [0.315]	41 [1.614]	-	-	-	-	M5×10	4	M4×20	2	B type 3×6	2	-	-
KRJV-EPS-27-AFDPGL14	225 [7.94]	570 [20.11]	②	II	66 [2.598]	8 [0.315]	66 [2.598]	-	8 [0.315]	16 [0.630]	92 [3.622]	M5×10	4	M5×14	2	B type 3×6	2	M4×14	4
KRJV-EPS-27-NHE1D20	55 [1.94]	306 [10.79]	①	I	52 [2.047]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×40	3	B type 3×6	1	-	-
KRJV-EPS-27-NHE1D25	75 [2.65]	580 [20.46]	①	I	60 [2.362]	8 [0.315]	-	-	-	-	-	M5×10	4	M4×45	3	B type 3×6	1	-	-

#### ● Compliance light

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-27-CPL54F	105 [3.70]	130 [4.59]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5x10	4	M5x12	4	B type 4x8	1	-	-
KRJV-EPS-27-CPL70F	175 [6.17]	250 [8.82]	①	I	92 [3.622]	8 [0.315]	-	-	-	-	-	M5x10	4	M5x12	4	B type 5x8	1	-	-

#### ● Auto hand changer

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-27-MJC3	50 [1.76]	65 [2.29]	①	III	50 [1.969]	8 [0.315]	-	20 [0.787]	-	-	-	M5×10	4	M3×20	4	B type 2×5	1	-	-
KRJV-EPS-27-MJC10	75 [2.65]	235 [8.29]	①	I	54 [2.126]	10 [0.394]	-	-	-	-	-	M5×12	4	M5×30	4	B type 4×8	1	-	-

#### ● Electric hand

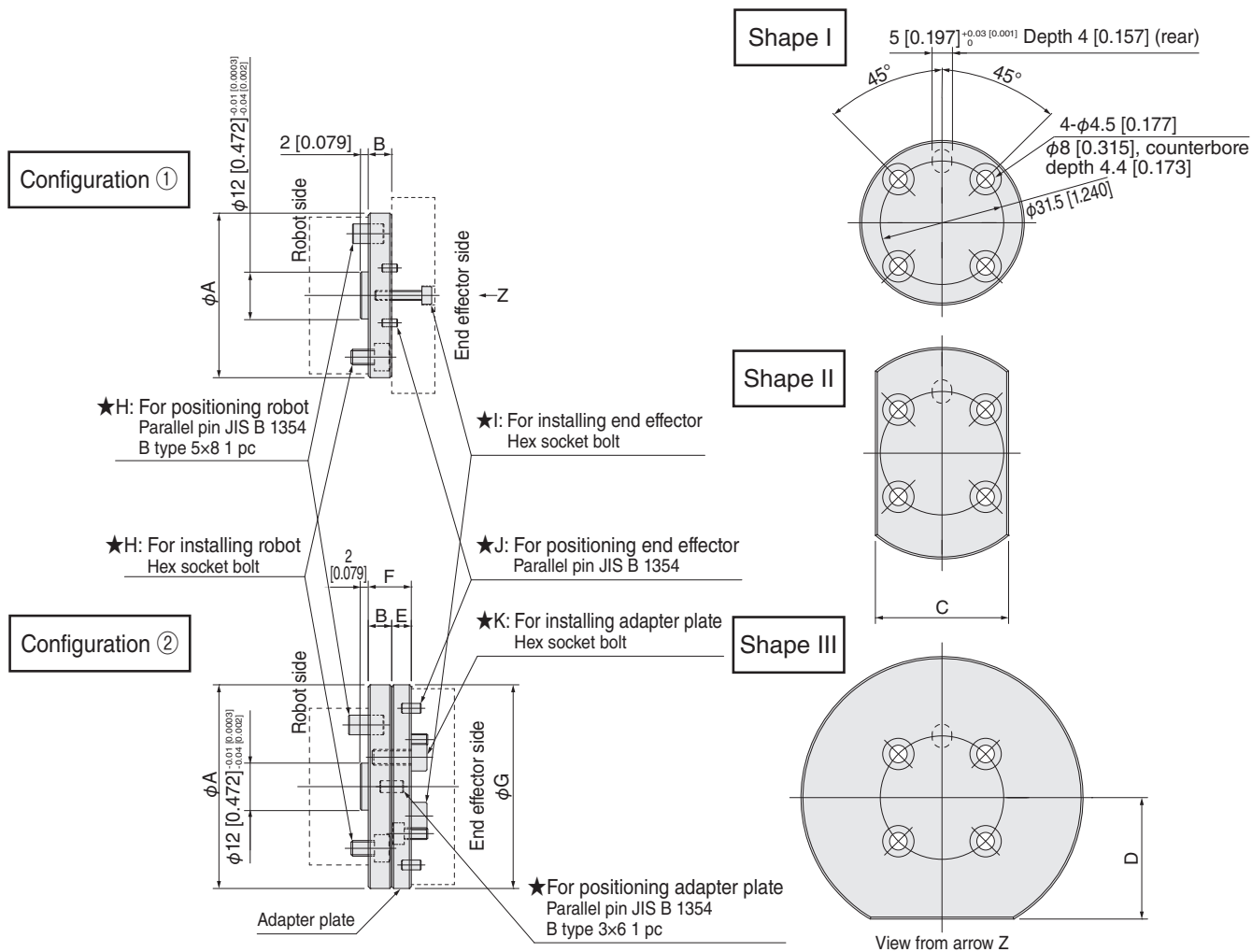
Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-27-EWHA12H	125 [4.41]	290 [10.23]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×16	4	B type 2×6	2	-	-
KRJV-EPS-27-EWHA24H	125 [4.41]	350 [12.35]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×16	4	B type 2×6	2	-	-
KRJV-EPS-27-EWHA36H	125 [4.41]	360 [12.70]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×16	4	B type 2×6	2	-	-
KRJV-EPS-27-EWHA12A	70 [2.47]	170 [6.00]	①	I	58 [2.283]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×12	4	B type 2×6	2	-	-
KRJV-EPS-27-EWHA24A	105 [3.70]	260 [9.17]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×12	4	B type 2×6	2	-	-
KRJV-EPS-27-EWHA36A	105 [3.70]	260 [9.17]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×12	4	B type 2×6	2	-	-
KRJV-EPS-27-EW2H8	70 [2.47]	90 [3.17]	①	I	58 [2.283]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×18	4	B type 2×6	2	-	-
KRJV-EPS-27-EW2H18	105 [3.70]	160 [5.64]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M4×18	4	B type 3×6	2	-	-
KRJV-EPS-27-EW2H28	145 [5.11]	360 [12.70]	①	III	86 [3.386]	8 [0.315]	-	40 [1.575]	-	-	-	M5×10	4	M4×25	4	B type 3×6	2	-	-
KRJV-EPS-27-EW2HL8	70 [2.47]	140 [4.94]	①	I	58 [2.283]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×18	4	B type 2×6	2	-	-
KRJV-EPS-27-EW2HL18	105 [3.70]	250 [8.82]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M4×18	4	B type 3×6	2	-	-
KRJV-EPS-27-EW2HL28	145 [5.11]	480 [16.93]	①	III	86 [3.386]	8 [0.315]	-	40 [1.575]	-	-	-	M5×10	4	M4×25	4	B type 3×6	2	-	-

Note 1: In the drawings, the (★) bolts and pins are accessories.

2: The product weight includes the weight of the bolts and parallel pins that are accessories.

3: The end effectors are not included with these products. They must be ordered separately.

**Robot type : Vertical articulated**  
**Installation diameter : 31 [1.240] A**



## Robot type : Vertical articulated

### Installation diameter : 31 [1.240]A

#### ● Air hand

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-31A-AFDPG6	30 [1.06]	52 [1.83]	①	I	42 [1.654]	6 [0.236]	-	-	-	-	-	M4x6	4	M2.5x12	2	B type 2x4	2	-	-
KRJV-EPS-31A-AFDPG8	75 [2.65]	86 [3.03]	②	I	52 [2.047]	6 [0.236]	-	-	5 [0.197]	11 [0.433]	52 [2.047]	M4x6	4	M3x6	2	B type 2.5x5	2	M4x10	4
KRJV-EPS-31A-AFDPG12	110 [3.88]	200 [7.05]	②	I	60 [2.362]	6 [0.236]	-	-	6 [0.236]	12 [0.472]	60 [2.362]	M4x6	4	M4x8	2	B type 3x6	2	M4x10	4
KRJV-EPS-31A-AFDPGL6	35 [1.23]	60 [2.12]	①	II	54 [2.126]	6 [0.236]	34 [1.339]	-	-	-	-	M4x6	4	M2.5x12	2	B type 2x4	2	-	-
KRJV-EPS-31A-AFDPGL8	55 [1.94]	135 [4.76]	①	II	78 [3.071]	6 [0.236]	36 [1.417]	-	-	-	-	M4x6	4	M3x14	2	B type 2.5x5	2	-	-
KRJV-EPS-31A-AFDPGL12	80 [2.82]	330 [11.64]	①	II	96 [3.780]	6 [0.236]	44 [1.732]	-	-	-	-	M4x6	4	M4x18	2	B type 3x6	2	-	-
KRJV-EPS-31A-NHE1D16	125 [4.41]	170 [6.00]	②	I	60 [2.362]	6 [0.236]	-	-	8 [0.315]	14 [0.551]	60 [2.362]	M4x6	4	M3x35	3	B type 2x4	1	M4x12	3
KRJV-EPS-31A-NHE1D20	50 [1.76]	306 [10.79]	①	I	48 [1.890]	8 [0.315]	-	-	-	-	-	M4x8	4	M3x40	3	B type 3x6	1	-	-

#### ● Compliance light

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-31A-CPL34F	35 [1.23]	42 [1.48]	①	I	46 [1.811]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×8	4	B type 3×6	1	-	-
KRJV-EPS-31A-CPL54F	80 [2.82]	130 [4.59]	①	I	72 [2.835]	6 [0.236]	-	-	-	-	- <sup>Note 4</sup>	M4×6	4	M5×10	4	A type 4×6	1	-	-

#### ● Auto hand changer

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-31A-MJC3	30 [1.06]	65 [2.29]	①	I	42 [1.654]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×20	4	B type 2×5	1	-	-
KRJV-EPS-31A-MJC10	75 [2.65]	235 [8.29]	①	I	54 [2.126]	10 [0.394]	-	-	-	-	-	M4×10	4	M5×30	4	B type 4×8	1	-	-

#### ● Electric hand

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-31A-EWHA6H	90 [3.17]	150 [5.29]	② <sup>Note 5</sup>	I	40 [1.575]	13 [0.512]	-	-	5 [0.197]	18 [0.709]	56 [2.205]	M4×18	4	M3×10	4	B type 2×6	2	-	-
KRJV-EPS-31A-EWHA12H	95 [3.35]	290 [10.23]	①	I	80 [3.150]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×14	4	B type 2×6	2	-	-
KRJV-EPS-31A-EWHA12A	50 [1.76]	170 [6.00]	①	I	58 [2.283]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×10	4	B type 2×6	2	-	-
KRJV-EPS-31A-EWHA24A	75 [2.65]	260 [9.17]	①	III	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	-	M4×6	4	M3×10	4	B type 2×6	2	-	-
KRJV-EPS-31A-EWHA36A	75 [2.65]	260 [9.17]	①	III	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	-	M4×6	4	M3×10	4	B type 2×6	2	-	-
KRJV-EPS-31A-EW2H8	50 [1.76]	90 [3.17]	①	I	58 [2.283]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×16	4	B type 2×6	2	-	-
KRJV-EPS-31A-EW2H18	75 [2.65]	160 [5.64]	①	III	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	-	M4×6	4	M4×18	4	B type 3×6	2	-	-
KRJV-EPS-31A-EW2HL8	50 [1.76]	140 [4.94]	①	I	58 [2.283]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×16	4	B type 2×6	2	-	-
KRJV-EPS-31A-EW2HL18	75 [2.65]	250 [8.82]	①	III	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	-	M4×6	4	M3×18	4	B type 3×6	2	-	-

Note 1: In the drawings, the (★) bolts and pins are accessories.

2: The product weight includes the weight of the bolts and parallel pins that are accessories.

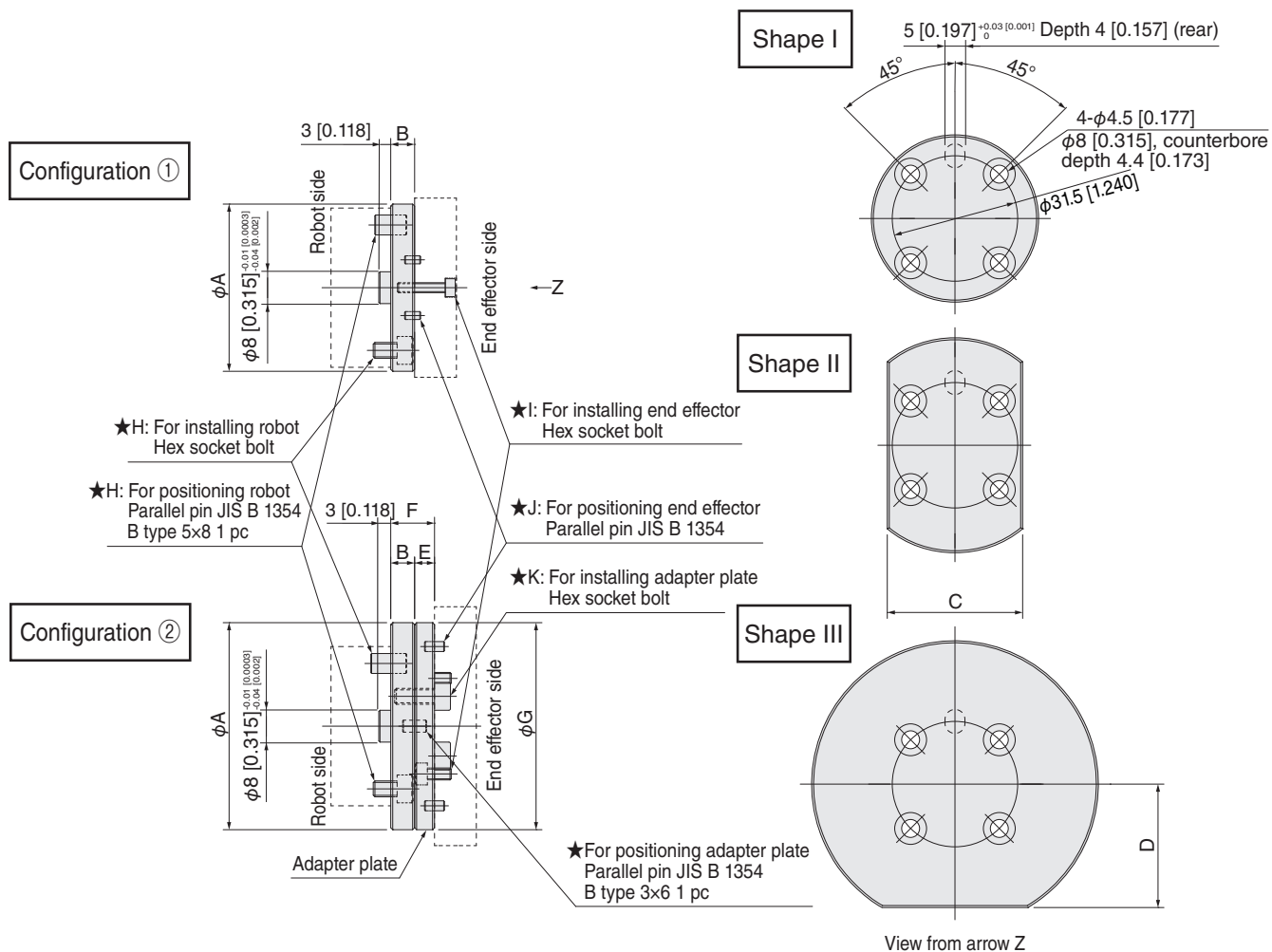
3: The end effectors are not included with these products. They must be ordered separately.

4: The KRJV-EPS-31A-CPL54F uses the old JIS A type parallel pin for positioning the end effector.

5: The robot joint and adapter plate of the KRJV-EPS-31A-EWHA6H is integrated.

6: The KRJV-EPS-31A-EWHA6H uses hex bolts for mounting the end effector.

**Robot type : Vertical articulated**  
**Installation diameter : 31 [1.240] B**



## Robot type : Vertical articulated

### Installation diameter : 31 [1.240] B

#### ● Air hand

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <small>Note 2</small>	End effector <small>Note 3</small>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-31B-AFDPG6	30 [1.06]	52 [1.83]	①	I	42 [1.654]	6 [0.236]	-	-	-	-	-	M4×6	4	M2.5×12	2	B type 2×4	2	-	-
KRJV-EPS-31B-AFDPG8	75 [2.65]	86 [3.03]	②	I	52 [2.047]	6 [0.236]	-	-	5 [0.197]	11 [0.433]	52 [2.047]	M4×6	4	M3×6	2	B type 2.5×5	2	M4×10	4
KRJV-EPS-31B-AFDPG12	105 [3.70]	200 [7.05]	②	I	60 [2.362]	6 [0.236]	-	-	6 [0.236]	12 [0.472]	60 [2.362]	M4×6	4	M4×8	2	B type 3×6	2	M4×10	4
KRJV-EPS-31B-AFDPGL6	35 [1.23]	60 [2.12]	①	II	54 [2.126]	6 [0.236]	34 [1.339]	-	-	-	-	M4×6	4	M2.5×12	2	B type 2×4	2	-	-
KRJV-EPS-31B-AFDPGL8	55 [1.94]	135 [4.76]	①	II	78 [3.071]	6 [0.236]	36 [1.417]	-	-	-	-	M4×6	4	M3×14	2	B type 2.5×5	2	-	-
KRJV-EPS-31B-AFDPGL12	80 [2.82]	330 [11.64]	①	II	96 [3.780]	6 [0.236]	44 [1.732]	-	-	-	-	M4×6	4	M4×18	2	B type 3×6	2	-	-
KRJV-EPS-31B-NHE1D16	125 [4.41]	170 [6.00]	②	I	60 [2.362]	6 [0.236]	-	-	8 [0.315]	14 [0.551]	60 [2.362]	M4×6	4	M3×35	3	B type 2×4	1	M4×12	3
KRJV-EPS-31B-NHE1D20	50 [1.76]	306 [10.79]	①	I	48 [1.890]	8 [0.315]	-	-	-	-	-	M4×8	4	M3×40	3	B type 3×6	1	-	-

#### ● Compliance light

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-31B-CPL34F	35 [1.23]	42 [1.48]	①	I	46 [1.811]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×8	4	B type 3×6	1	-	-
KRJV-EPS-31B-CPL54F	80 [2.82]	130 [4.59]	①	I	72 [2.835]	6 [0.236]	-	-	-	-	-	M4×6	4	M5×10	4	A type 4×6 <sup>Note 4</sup>	1	-	-

#### ● Auto hand changer

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-31B-MJC3	30 [1.06]	65 [2.29]	①	I	42 [1.654]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×20	4	B type 2×5	1	-	-
KRJV-EPS-31B-MJC10	75 [2.65]	235 [8.29]	①	I	54 [2.126]	10 [0.394]	-	-	-	-	-	M4×10	4	M5×30	4	B type 4×8	1	-	-

#### ● Electric hand

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <sup>Note 2</sup>	End effector <sup>Note 3</sup>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-31B-EWHA6H	90 [3.17]	150 [5.29]	② <sup>Note 5</sup>	I	40 [1.575]	13 [0.512]	-	-	5 [0.197]	18 [0.709]	56 [2.205]	M4×18	4	M3×10	4	B type 2×6	2	-	-
KRJV-EPS-31B-EWHA12H	95 [3.35]	290 [10.23]	①	I	80 [3.150]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×14	4	B type 2×6	2	-	-
KRJV-EPS-31B-EWHA12A	50 [1.76]	170 [6.00]	①	I	58 [2.283]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×10	4	B type 2×6	2	-	-
KRJV-EPS-31B-EWHA24A	75 [2.65]	260 [9.17]	①	Ⅲ	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	-	M4×6	4	M3×10	4	B type 2×6	2	-	-
KRJV-EPS-31B-EWHA36A	75 [2.65]	260 [9.17]	①	Ⅲ	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	-	M4×6	4	M3×10	4	B type 2×6	2	-	-
KRJV-EPS-31B-EW2H8	50 [1.76]	90 [3.17]	①	I	58 [2.283]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×16	4	B type 2×6	2	-	-
KRJV-EPS-31B-EW2H18	75 [2.65]	160 [5.64]	①	Ⅲ	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	-	M4×6	4	M4×18	4	B type 3×6	2	-	-
KRJV-EPS-31B-EW2HL8	50 [1.76]	140 [4.94]	①	I	58 [2.283]	6 [0.236]	-	-	-	-	-	M4×6	4	M3×16	4	B type 2×6	2	-	-
KRJV-EPS-31B-EW2HL18	75 [2.65]	250 [8.82]	①	Ⅲ	72 [2.835]	6 [0.236]	-	31 [1.220]	-	-	-	M4×6	4	M3×18	4	B type 3×6	2	-	-

Note 1: In the drawings, the (★) bolts and pins are accessories.

2: The product weight includes the weight of the bolts and parallel pins that are accessories.

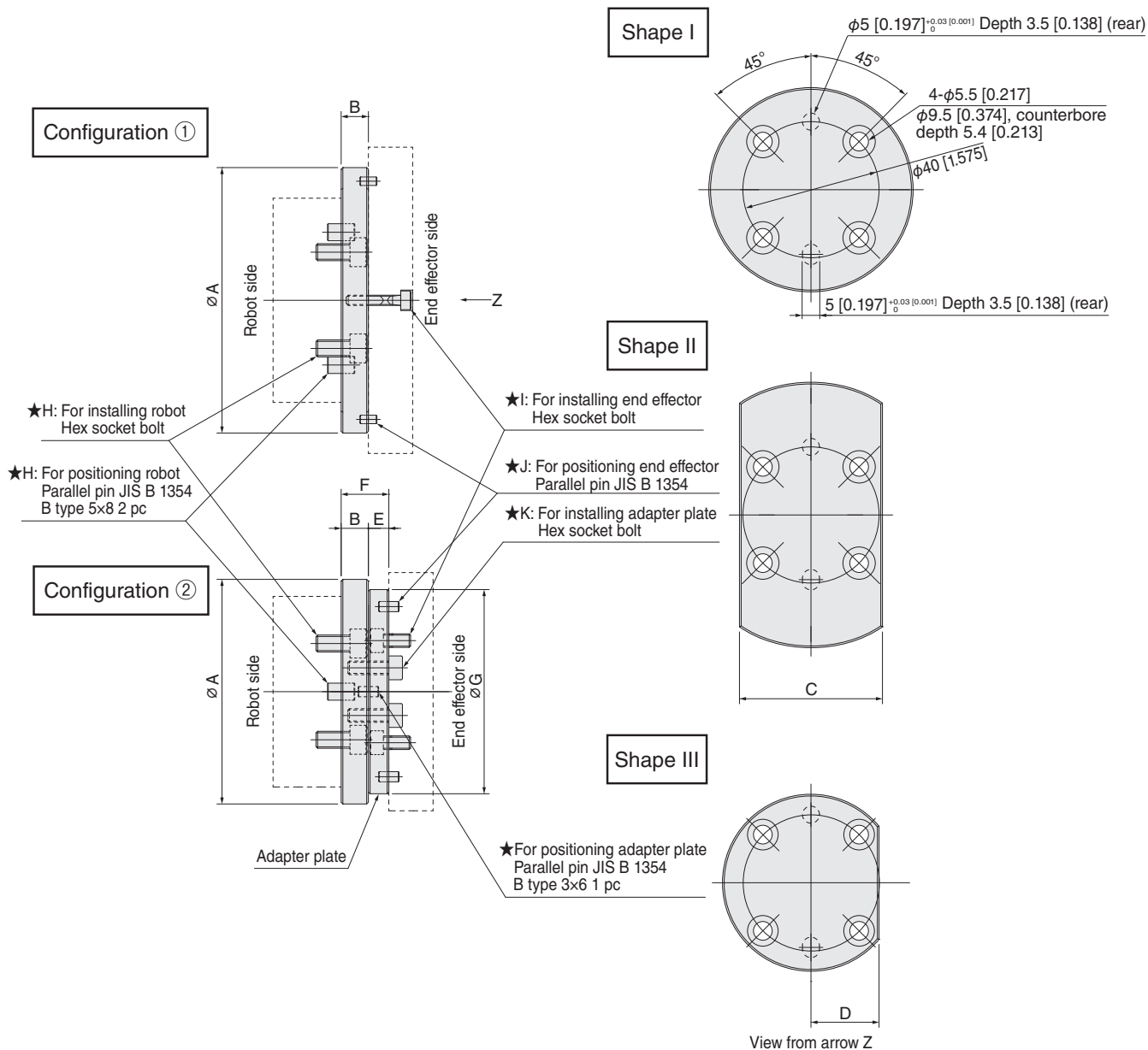
3: The end effectors are not included with these products. They must be ordered separately.

4: The KRJV-EPS-31B-CPL54F uses the old JIS A type parallel pin for positioning the end effector.

5: The robot joint and adapter plate of the KRJV-EPS-31B-EWHA6H is integrated.

6: The KRJV-EPS-31B-EWHA6H uses hex bolts for mounting the end effector.

**Robot type : Vertical articulated**  
**Installation diameter : 40 [1.575]**





## Robot type : Vertical articulated

### Installation diameter : 40 [1.575]

#### ● Air hand

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <small>Note 2</small>	End effector <small>Note 3</small>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJV-EPS-40-AFDPG8	90 [3.17]	86 [3.03]	②	I	52 [2.047]	8 [0.315]	-	-	5 [0.197]	13 [0.512]	52 [2.047]	M5×10	4	M3×6	2	B type 2.5×5	2	M4×12	4
KRJV-EPS-40-AFDPG12	140 [4.94]	200 [7.05]	②	I	66 [2.598]	8 [0.315]	-	-	6 [0.236]	14 [0.551]	60 [2.362]	M5×10	4	M4×8	2	B type 3×6	2	M4×12	4
KRJV-EPS-40-AFDPG14	170 [6.00]	390 [13.76]	②	I	66 [2.598]	8 [0.315]	-	-	8 [0.315]	16 [0.630]	66 [2.598]	M5×10	4	M5×10	2	B type 3×6	2	M4×14	4
KRJV-EPS-40-AFDPGL8	80 [2.82]	135 [4.76]	①	II	78 [3.071]	8 [0.315]	42 [1.654]	-	-	-	-	M5×10	4	M3×16	2	B type 2.5×5	2	-	-
KRJV-EPS-40-AFDPGL12	100 [3.53]	330 [11.64]	①	II	96 [3.780]	8 [0.315]	42 [1.654]	-	-	-	-	M5×10	4	M4×20	2	B type 3×6	2	-	-
KRJV-EPS-40-AFDPGL14	220 [7.76]	570 [20.11]	②	II	66 [2.598]	8 [0.315]	66 [2.598]	-	8 [0.315]	16 [0.630]	92 [3.622]	M5×10	4	M5×14	2	B type 3×6	2	M4×14	4
KRJV-EPS-40-NHE1D20	170 [6.00]	306 [10.79]	②	I	66 [2.598]	8 [0.315]	-	-	8 [0.315]	16 [0.630]	66 [2.598]	M5×10	4	M3×40	3	B type 3×6	1	M4×14	3
KRJV-EPS-40-NHE1D25	75 [2.65]	580 [20.46]	①	I	60 [2.362]	8 [0.315]	-	-	-	-	-	M5×10	4	M4×45	3	B type 3×6	1	-	-

#### ● Compliance light

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <small>Note 2</small>	End effector <small>Note 3</small>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJVEPS-40-CPL54F	105 [3.70]	130 [4.59]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M5×12	4	B type 4×8	1	-	-
KRJVEPS-40-CPL70F	170 [6.00]	250 [8.82]	①	I	92 [3.622]	8 [0.315]	-	-	-	-	-	M5×10	4	M5×12	4	B type 5×8	1	-	-

#### ● Auto hand changer

Model	Mass (g [oz])		Configu- ration	Shape	Dimensions							Accessories							
	Product <small>Note 2</small>	End effector <small>Note 3</small>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJVEPS-40-MJC3	50 [1.76]	65 [2.29]	①	III	52 [2.047]	8 [0.315]	-	20 [0.787]	-	-	-	M5x10	4	M3x20	4	B type 2x5	1	-	-
KRJVEPS-40-MJC10	75 [2.65]	235 [8.29]	①	I	54 [2.126]	10 [0.394]	-	-	-	-	-	M5x12	4	M5x30	4	B type 4x8	1	-	-

#### ● Electric hand

Model	Mass (g [oz])		Configu- ration	Shape	8 Dimensions 8							Accessories							
	Product <small>Note 2</small>	End effector <small>Note 3</small>			A	B	C	D	E	F	G	H		I		J		K	
												Size	Count	Size	Count	Size	Count	Size	Count
KRJVEPS-40-EWHA12H	125 [4.41]	290 [10.23]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×16	4	B type 2×6	2	-	-
KRJVEPS-40-EWHA24H	125 [4.41]	350 [12.35]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×16	4	B type 2×6	2	-	-
KRJVEPS-40-EWHA36H	125 [4.41]	360 [12.70]	①	I	80 [3.150]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×16	4	B type 2×6	2	-	-
KRJVEPS-40-EWHA12A	70 [2.47]	170 [6.00]	①	I	58 [2.283]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×12	4	B type 2×6	2	-	-
KRJVEPS-40-EWHA24A	105 [3.70]	260 [9.17]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×12	4	B type 2×6	2	-	-
KRJVEPS-40-EWHA36A	105 [3.70]	260 [9.17]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×12	4	B type 2×6	2	-	-
KRJVEPS-40-EW2H8	70 [2.47]	90 [3.17]	①	I	58 [2.283]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×18	4	B type 2×6	2	-	-
KRJVEPS-40-EW2H18	105 [3.70]	160 [5.64]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M4×18	4	B type 3×6	2	-	-
KRJVEPS-40-EW2H28	145 [5.11]	360 [12.70]	①	I	86 [3.386]	8 [0.315]	-	-	-	-	-	M5×10	4	M4×25	4	B type 3×6	2	-	-
KRJVEPS-40-EW2HL8	70 [2.47]	140 [4.94]	①	I	58 [2.283]	8 [0.315]	-	-	-	-	-	M5×10	4	M3×18	4	B type 2×6	2	-	-
KRJVEPS-40-EW2HL18	105 [3.70]	250 [8.82]	①	I	72 [2.835]	8 [0.315]	-	-	-	-	-	M5×10	4	M4×18	4	B type 3×6	2	-	-
KRJVEPS-40-EW2HL28	145 [5.11]	480 [16.93]	①	I	86 [3.386]	8 [0.315]	-	-	-	-	-	M5×10	4	M4×25	4	B type 3×6	2	-	-

Note 1: In the drawings, the (★) bolts and pins are accessories.

2: The product weight includes the weight of the bolts and parallel pins that are accessories.

3: The end effectors are not included with these products. They must be ordered separately.

MEMO

Handwriting practice area with horizontal dashed lines.



# Limited Warranty

KOGANEI CORP. warrants its products to be free from defects in material and workmanship subject to the following provisions.

**Warranty Period** The warranty period is 180 days from the date of delivery.

**Koganei Responsibility** If a defect in material or workmanship is found during the warranty period, KOGANEI CORP. will replace any part proved defective under normal use free of charge and will provide the service necessary to replace such a part.

**Limitations** ● This warranty is in lieu of all other warranties, expressed or implied, and is limited to the original cost of the product and shall not include any transportation fee, the cost of installation or any liability for direct, indirect or consequential damage or delay resulting from the defects.

● KOGANEI CORP. shall in no way be liable or responsible for injuries or damage to persons or property arising out of the use or operation of the manufacturer's product.

● This warranty shall be void if the engineered safety devices are removed, made inoperative or not periodically checked for proper functioning.

● Any operation beyond the rated capacity, any improper use or application, or any improper installation of the product, or any substitution upon it with parts not furnished or approved by KOGANEI CORP., shall void this warranty.

● This warranty covers only such items supplied by KOGANEI CORP. The products of other manufacturers are covered only by such warranties made by those original manufacturers, even though such items may have been included as the components.

The specifications are subject to change without notice.

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## KOGANEI CORPORATION

### OVERSEAS DEPARTMENT

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