

SAMICK CASE UNIT

SAMICK Linear Bushing Case Unit

SAMICK offer various type of Linear Bushing Case Unit for designing of linear motion system. Precisely machined Aluminum Cases are standardized for providing Interchangeability and less cost and less designing time.

Case Unit

The case is compact and light weight, and the standard type Linear Bushing is assembled inside.

● SC(E) type

Standard type aluminum Case Unit.
Simple mounting with mounting bolt to the table.

● SC(E)□W type

Double standard type Linear Bushing assembled type aluminum Case Unit.

● SC(E)□V type

Short type aluminum Case Unit with a standard type Linear Bushing.

More compact design than SC(E) type is available.

● SCJ type

Clearance adjustable type aluminum Case Unit by slotting in axial direction.

If high precise positioning is required, SCJ type can minimize the effect of clearance between shaft and case.

* assembled Linear Bushing is orientated to have maximum load rating against top of Case Unit.



* SCE, SCE□W, SCE□V type are for European user

Part Number Notation

SC□ 20□ UU (N)

Case Unit

Model

— : Asian standard type

E : European type

J : Clearance adjustable type

LM Shaft Dia.

Seal

— : No seal

UU : Seals on both sides

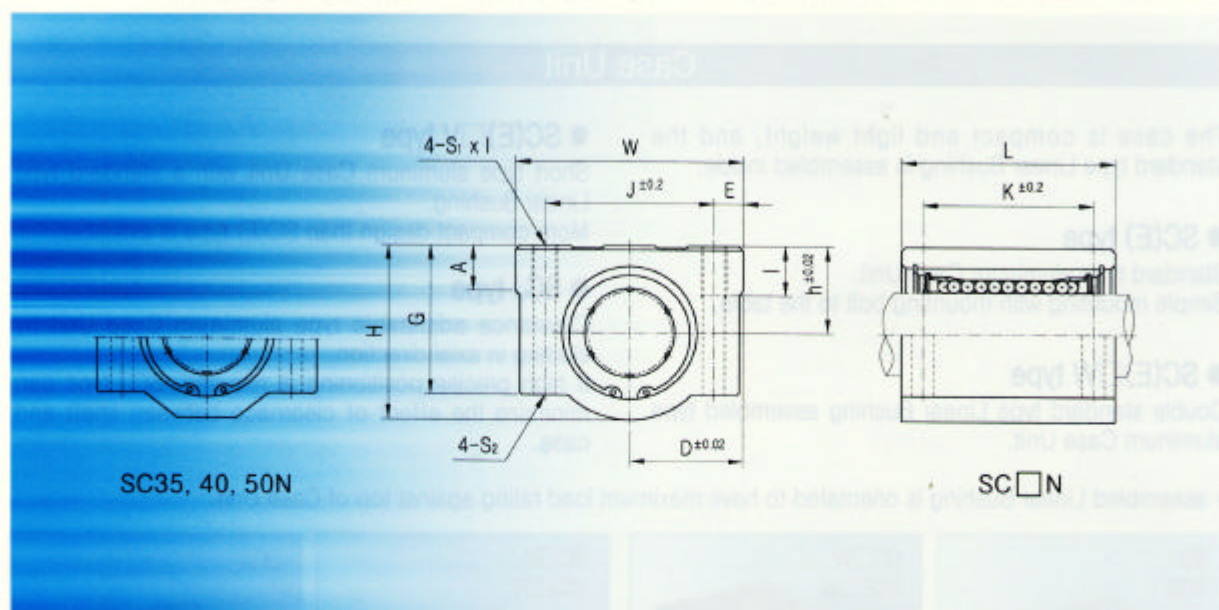
Type

— : Standard type

W : Long type

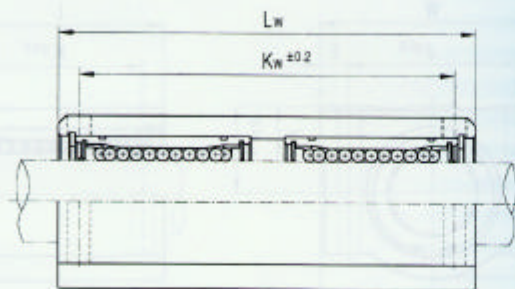
V : Short type

Linear Bushing Case Unit SC Series

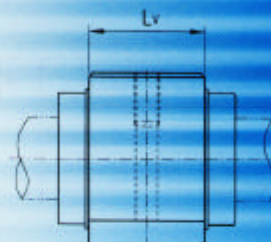


Standard Type					Long Type					Short Type				
Part number	Installed L/B	Load Ratings		Wgt. (g)	Part number	Installed L/B	Load Ratings		Wgt. (g)	Part number	Installed L/B	Load Ratings		Wgt. (g)
		C(N)	C ₀ (N)				C(N)	C ₀ (N)				C(N)	C ₀ (N)	
SC8UUN	LM8UU	260	400	56	SC8WUUN	2×LM8UU	410	800	94	SC8VUUN	LM8UU	260	400	36
SC10UUN	LM10UU	370	540	90	SC10WUUN	2×LM10UU	590	1080	147	SC10VUUN	LM10UU	370	540	63
SC12UUN	LM12UU	410	590	112	SC12WUUN	2×LM12UU	650	1180	220	SC12VUUN	LM12UU	410	590	74
SC13UUN	LM13UU	500	770	123	SC13WUUN	2×LM13UU	800	1540	245	SC13VUUN	LM13UU	500	770	85
SC16UUN	LM16UU	770	1170	189	SC16WUUN	2×LM16UU	1230	2340	376	SC16VUUN	LM16UU	770	1170	132
SC20UUN	LM20UU	860	1370	237	SC20WUUN	2×LM20UU	1370	2740	476	SC20VUUN	LM20UU	860	1370	170
SC25UUN	LM25UU	980	1560	555	SC25WUUN	2×LM25UU	1560	3120	1115	SC25VUUN	LM25UU	980	1560	405
SC30UUN	LM30UU	1560	2740	685	SC30WUUN	2×LM30UU	2490	5480	1375	SC30VUUN	LM30UU	1560	2740	495
SC35UUN	LM35UU	1660	3130	1100	SC35WUUN	2×LM35UU	2650	6260	2200	SC35VUUN	LM35UU	1660	3130	790
SC40UUN	LM40UU	2150	4010	1600	SC40WUUN	2×LM40UU	3440	8020	3200	SC40VUUN	LM40UU	2150	4010	1220
SC50UUN	LM50UU	3820	7930	3350	SC50WUUN	2×LM50UU	6110	15860	6720	SC50VUUN	LM50UU	3820	7930	2300

1N≒0.102kgf



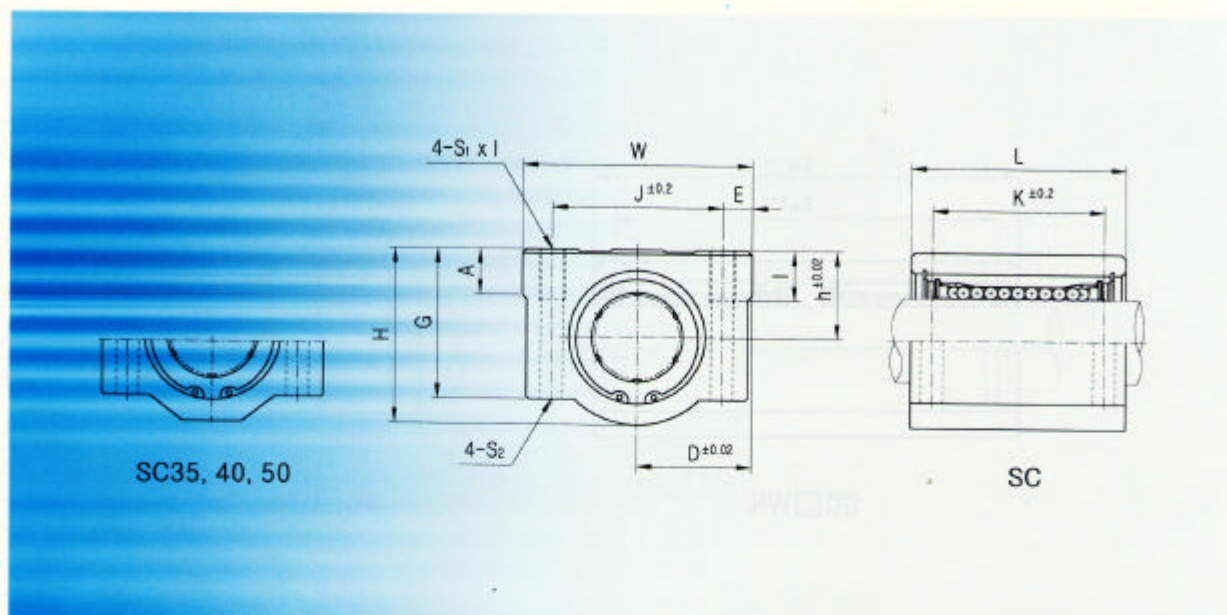
SC□WN



SC□VN

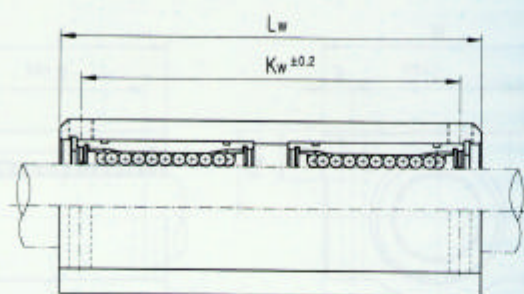
Shaft Dia.	Dimensions(mm)															Part number
	Common										SC		SC□W		SC□V	
	h	D	W	H	G	A	J	E	S ₁ ×I	S ₂	K	L	K _w	L _w	L _v	
φ 8	11	17	34	22	18	6	24	5	M4×8	φ 3.4	18	30	42	58	15.4	SC8UUN
φ 10	13	20	40	26	21	8	28	6	M5×12	φ 4.3	21	35	46	68	19.5	SC10UUN
φ 12	15	21	42	28	24	7.4	30.5	5.75	M5×12	φ 4.3	26	36	50	70	20.5	SC12UUN
φ 13	15	22	44	30	24.5	8	33	5.5	M5×12	φ 4.3	26	39	50	75	20.5	SC13UUN
φ 16	19	25	50	38.5	32.5	9	36	7	M5×12	φ 4.3	34	44	60	85	23.5	SC16UUN
φ 20	21	27	54	41	35	11	40	7	M6×12	φ 5.2	40	50	70	96	27.4	SC20UUN
φ 25	26	38	76	51.5	41	12	54	11	M8×18	φ 6.8	50	67	100	130	37.4	SC25UUN
φ 30	30	39	78	59.5	49	15	58	10	M8×18	φ 6.8	58	72	110	140	40.9	SC30UUN
φ 35	34	45	90	68	54	18	70	10	M8×18	φ 6.8	60	80	120	155	45.4	SC35UUN
φ 40	40	51	102	78	62	20	80	11	M10×25	φ 8.6	60	90	140	175	56.4	SC40UUN
φ 50	52	61	122	102	80	24	100	11	M10×25	φ 8.6	80	110	160	215	68.9	SC50UUN

Linear Bushing Case Unit SC Series

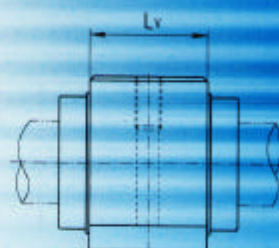


Standard Type					Long Type					Short Type				
Part number	Installed L/B	Load Ratings		Wgt. (g)	Part number	Installed L/B	Load Ratings		Wgt. (g)	Part number	Installed L/B	Load Ratings		Wgt. (g)
		C(N)	C ₀ (N)				C(N)	C ₀ (N)				C(N)	C ₀ (N)	
SC8UU	LM8UU	260	400	56	SC8WUU	2×LM8UU	410	800	94	SC8VUU	LM8UU	260	400	36
SC10UU	LM10UU	370	540	90	SC10WUU	2×LM10UU	590	1080	147	SC10VUU	LM10UU	370	540	63
SC12UU	LM12UU	410	590	112	SC12WUU	2×LM12UU	650	1180	220	SC12VUU	LM12UU	410	590	74
SC13UU	LM13UU	500	770	123	SC13WUU	2×LM13UU	800	1540	245	SC13VUU	LM13UU	500	770	85
SC16UU	LM16UU	770	1170	189	SC16WUU	2×LM16UU	1230	2340	376	SC16VUU	LM16UU	770	1170	132
SC20UU	LM20UU	860	1370	237	SC20WUU	2×LM20UU	1370	2740	476	SC20VUU	LM20UU	860	1370	170
SC25UU	LM25UU	980	1560	555	SC25WUU	2×LM25UU	1560	3120	1115	SC25VUU	LM25UU	980	1560	405
SC30UU	LM30UU	1560	2740	685	SC30WUU	2×LM30UU	2490	5480	1375	SC30VUU	LM30UU	1560	2740	495
SC35UU	LM35UU	1660	3130	1100	SC35WUU	2×LM35UU	2650	6260	2200	SC35VUU	LM35UU	1660	3130	790
SC40UU	LM40UU	2150	4010	1600	SC40WUU	2×LM40UU	3440	8020	3200	SC40VUU	LM40UU	2150	4010	1220
SC50UU	LM50UU	3820	7930	3350	SC50WUU	2×LM50UU	6110	15860	6720	SC50VUU	LM50UU	3820	7930	2300

1N≈0.102kgf



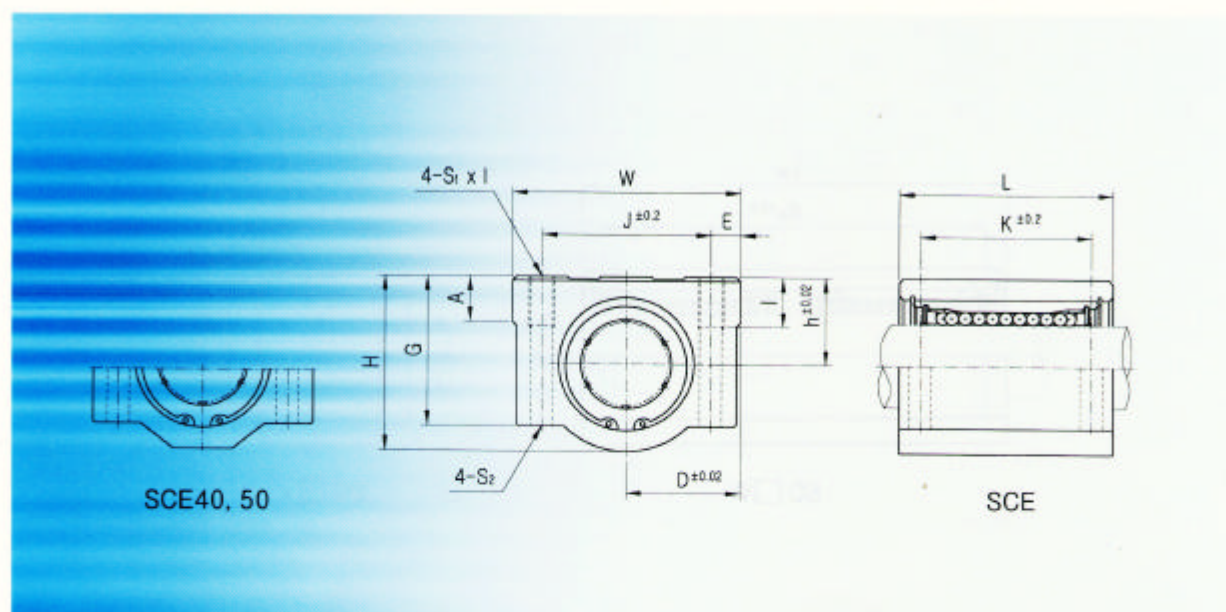
SC□W



SC□V

Shaft Dia.	Dimensions(mm)															Part number
	Common										SCE		SCE□W		SCE□V	
	h	D	W	H	G	A	J	E	S ₁ ×I	S ₂	K	L	K _w	L _w	L _v	
ø 8	11	17	34	22	18	6	24	5	M4×8	ø 3.4	18	30	42	58	15.4	SC8UU
ø 10	13	20	40	26	21	8	28	6	M5×10	ø 4.3	21	35	46	68	19.5	SC10UU
ø 12	15	22	44	30	24.5	8	33	5.5	M5×10	ø 4.3	26	39	64	77	20.5	SC12UU
ø 13	15	22	44	30	24.5	8	33	5.5	M5×10	ø 4.3	26	39	64	77	20.5	SC13UU
ø 16	19	25	50	38.5	32.5	9	36	7	M5×12	ø 4.3	34	44	79	89	23.5	SC16UU
ø 20	21	27	54	41	35	11	40	7	M6×12	ø 5.2	40	50	90	100	27.4	SC20UU
ø 25	26	38	76	51.5	41	12	54	11	M8×18	ø 6.8	50	67	119	136	37.4	SC25UU
ø 30	30	39	78	59.5	49	15	58	10	M8×18	ø 6.8	58	72	132	146	40.9	SC30UU
ø 35	34	45	90	68	54	18	70	10	M8×18	ø 6.8	60	80	140	160	45.4	SC35UU
ø 40	40	51	102	78	62	20	80	11	M10×25	ø 8.6	60	90	150	180	56.4	SC40UU
ø 50	52	61	122	102	80	24	100	11	M10×25	ø 8.6	80	110	200	230	68.9	SC50UU

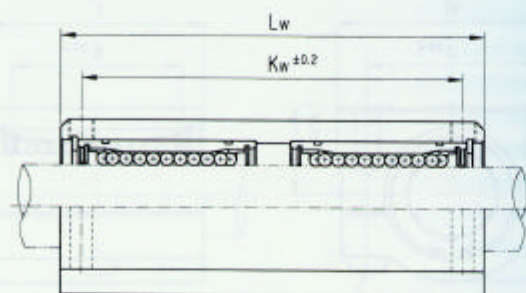
Linear Bushing Case Unit SCE Series



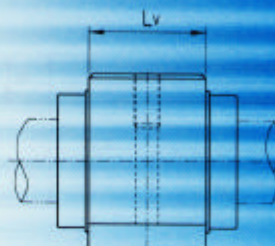
Standard Type					Long Type					Short Type				
Part number	Installed L/B	Load Ratings		Wgt. (g)	Part number	Installed L/B	Load Ratings		Wgt. (g)	Part number	Installed L/B	Load Ratings		Wgt. (g)
		C ₀ (N)	C(N)				C ₀ (N)	C(N)				C ₀ (N)	C(N)	
SCE8UU	LME8UU	260	400	60	SCE8WUU	2×LME8UU	410	800	98	SCE8VUU	LME8UU	260	400	40
SCE12UU	LME12UU	410	590	118	SCE12WUU	2×LME12UU	650	1180	232	SCE12VUU	LME12UU	410	590	82
SCE16UU	LME16UU	770	1170	180	SCE16WUU	2×LME16UU	1230	2340	360	SCE16VUU	LME16UU	770	1170	122
SCE20UU	LME20UU	860	1370	245	SCE20WUU	2×LME20UU	1370	2740	490	SCE20VUU	LME20UU	860	1370	176
SCE25UU	LME25UU	980	1560	550	SCE25WUU	2×LME25UU	1560	3120	1100	SCE25VUU	LME25UU	980	1560	400
SCE30UU	LME30UU	1560	2740	760	SCE30WUU	2×LME30UU	2490	5480	1525	SCE30VUU	LME30UU	1560	2740	570
SCE40UU	LME40UU	2150	4010	1700	SCE40WUU	2×LME40UU	3440	8020	3400	SCE40VUU	LME40UU	2150	4010	1320
SCE50UU	LME50UU	3820	7930	2950	SCE50WUU	2×LME50UU	6110	15860	5920	SCE50VUU	LME50UU	3820	7930	1900

1N≒0.102kgf

Linear Bushing Case Unit SCL Series



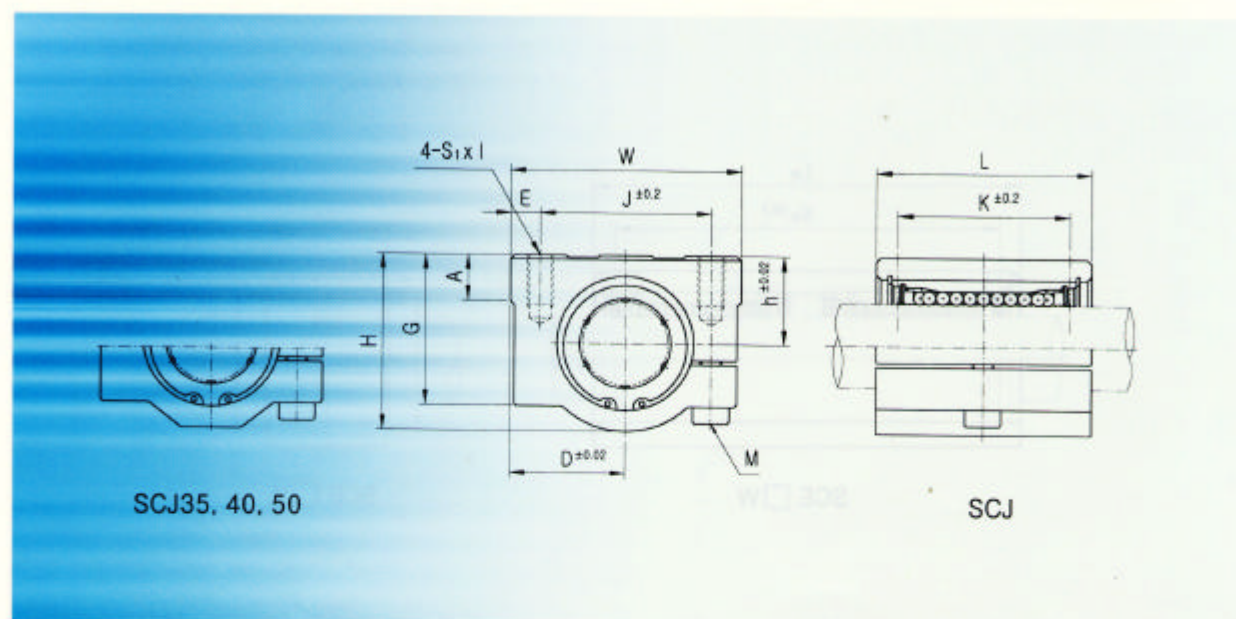
SCE □ W



SCE □ V

Shaft Dia.	Dimensions(mm)															Part number
	Common										SCE		SCE □ W		SCE □ V	
	h	D	W	H	G	A	J	E	S ₁ ×I	S ₂	K	L	K _w	L _w	L _v	
φ 8	11	17	34	22	18	6	24	5	M4×8	φ 3.4	18	30	42	58	14.4	SCE8UU
φ 12	15	22	44	30	24.5	8	33	5.5	M5×10	φ 4.3	26	39	64	77	20.3	SCE12UU
φ 16	19	25	50	38.5	32.5	9	36	7	M5×12	φ 4.3	34	44	79	89	22.3	SCE16UU
φ 20	21	27	54	41	35	11	40	7	M6×12	φ 5.2	40	53	90	106	28.3	SCE20UU
φ 25	26	38	76	51.5	41	12	54	11	M8×18	φ 6.8	50	67	119	136	40.4	SCE25UU
φ 30	30	39	78	59.5	49	15	58	10	M8×18	φ 6.8	58	76	132	154	48.4	SCE30UU
φ 40	40	51	102	78	62	20	80	11	M10×25	φ 8.6	60	90	150	180	56.4	SCE40UU
φ 50	52	61	122	102	80	24	100	11	M10×25	φ 8.6	80	110	200	230	72.3	SCE50UU

Linear Bushing Case Unit SCJ Series



Part number	Installed L/B	Load Ratings		Shaft Dia.	Dimensions(mm)												Wgt. (g)
		C(N)	C _i (N)		h	D	W	H	G	A	J	E	S ₁ x I	K	L	M	
SCJ10UU	LM10UUAJ	370	540	φ 10	13	20	40	26	21	8	28	6	M5×12	21	35	M4	90
SCJ12UU	LM12UUAJ	410	590	φ 12	15	21	42	28	24	7.4	30.5	5.75	M5×12	26	36	M4	112
SCJ13UU	LM13UUAJ	500	770	φ 13	15	22	44	30	24.5	8	33	5.5	M5×12	26	39	M4	123
SCJ16UU	LM16UUAJ	770	1170	φ 16	19	25	50	38.5	32.5	9	36	7	M5×12	34	44	M4	189
SCJ20UU	LM20UUAJ	860	1370	φ 20	21	27	54	41	35	11	40	7	M6×12	40	50	M5	237
SCJ25UU	LM25UUAJ	980	1560	φ 25	26	38	76	51.5	41	12	54	11	M8×18	50	67	M6	555
SCJ30UU	LM30UUAJ	1560	2740	φ 30	30	39	78	59.5	49	15	58	10	M8×18	58	72	M6	685
SCJ35UU	LM35UUAJ	1660	3130	φ 35	34	45	90	68	54	18	70	10	M8×18	60	80	M6	1100
SCJ40UU	LM40UUAJ	2150	4010	φ 40	40	51	102	78	62	20	80	11	M10×25	60	90	M8	1600
SCJ50UU	LM50UUAJ	3820	7930	φ 50	52	61	122	102	80	24	100	11	M10×25	80	110	M8	3350