

CYLINDER JOINTS



- Aligning the axial center and correcting the parallelism can be performed easily.
- High machining accuracy for aligning the axial center is not required.
- Time taken for installation can be greatly reduced.
- The overall shape is simple and small, allowing simple handling.
- A dust seal is provided preventing any breakdown due to foreign objects or dust.

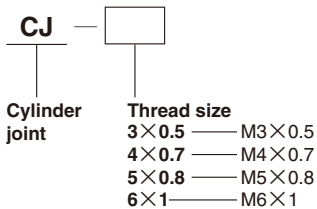
Specifications

Model	Applicable cylinder rod thread size	Applicable cylinder and bore size							Maximum thrust of applicable cylinder at 1MPa[145psi.] N [lbf.]	Maximum tensile strength load N [lbf.]	Allowable eccentricity U mm[in.]	Swivel angle
		Pen	Multi	Jig C (male thread specification :- B)	Slim	Twinport	DYNA	JC				
CJ-3×0.5	M3×0.5	6	6	—	—	—	—	—	19.6 [4.4]	3334.3[750]	0.5[0.020]	±5°
CJ-4×0.7	M4×0.7	10	10	—	—	—	—	—	58.8 [13.2]	3334.3 [750]	0.5[0.020]	
CJ-5×0.8	M5×0.8	16	16	12	—	—	—	—	137.3 [30.9]	5884 [1323]	0.5[0.020]	
CJ-6×1	M6×1	—	—	16	16	16	—	—	176.5 [39.7]	5884 [1323]	0.5[0.020]	
CJ□-8×1-□	M8×1	—	—	20	20, 25*	20, 25	—	20	305 [68.6] (475.6 [106.9])**	20594 [4631]	0.5[0.020]	
CJ□-10×1.25-□	M10×1.25	—	—	25	25, 32	25, 32	32	25	780.6 [175.5]	31381.3 [11025]	0.75[0.0295]	
CJ□-12×1.25-□	M12×1.25	—	—	—	—	—	—	—	686.5 [154.3]	449033.3 [11025]	1[0.039]	
CJ□-14×1.5-□	M14×1.5	—	—	32, 40	40, 50, 63	40	40	32, 40	3026.3 [680.3]	449033.3 [11025]	1[0.039]	
CJ□-18×1.5-□	M18×1.5	—	—	50, 63	—	—	50	50, 63	1906.4 [428.6]	62762.6 [14112]	1.25[0.0492]	
CJ□-22×1.5-□	M22×1.5	—	—	80	—	—	80	80	3026.3 [680.3]			
CJ□-26×1.5-□	M26×1.5	—	—	100	—	—	100	100	4879.7 [1097]	112776.5 [25352]	2[0.079]	
CJ□-26×1.5-□	M26×1.5	—	—	100	—	—	100	100	7624.7 [1714]	122583.1 [27557]	2.5[0.098]	

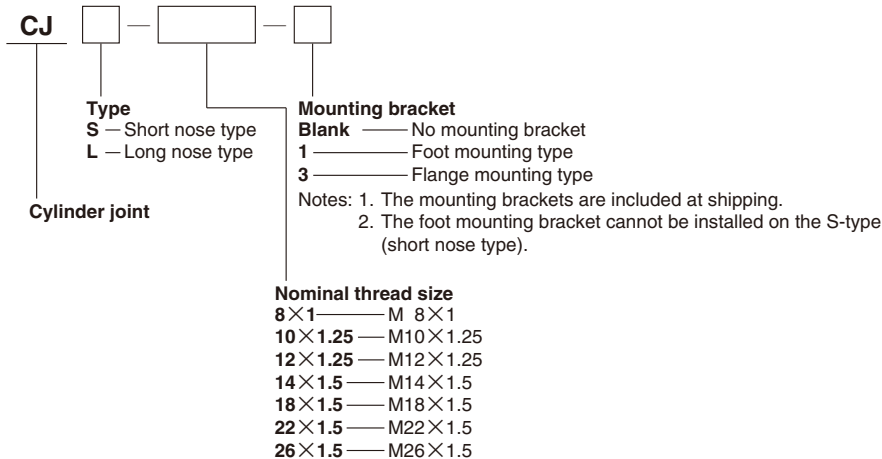
※: For square rod cylinders.

Order Codes

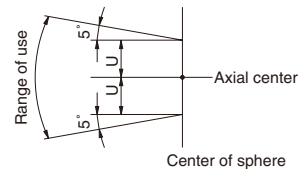
- For CJ-3×0.5, CJ-4×0.7, CJ-5×0.8, CJ-6×1



- For CJ□-8×1~CJ□-26×1.5

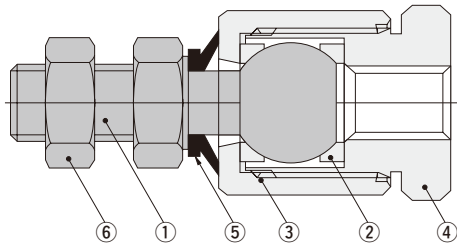


Allowable Eccentricity and Swivel Angle



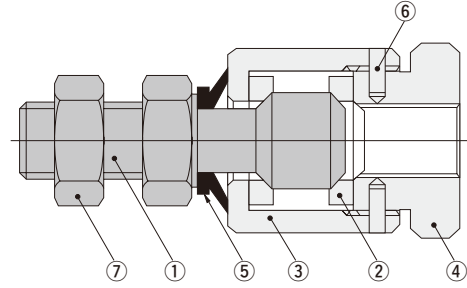
Inner Construction, Major Parts and Materials

● CJ-3×0.5, CJ-4×0.7, CJ-5×0.8



No.	Parts	Materials	Remarks
①	Stud	Steel	Nickel plated
②	Ring	Steel	—
③	Case	Brass	Nickel plated
④	Socket	Brass	
⑤	Dust seal	Synthetic rubber	NBR
⑥	Nut	Mild steel	Zinc plated

● CJ-6×1~CJ□-14×1.5

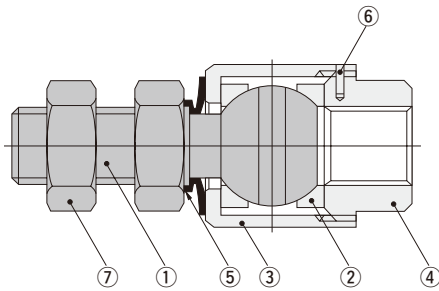


The diagram shows CJ□-8×1~14×1.5.

No.	Parts	Materials	Remarks
①	Stud	Steel	Nickel plated
②	Ring	Special steel	—
③	Case	Steel (Brass)	Nickel plated
④	Socket	Steel (Brass)	
⑤	Dust seal	Synthetic rubber	NBR
⑥	Pin	Special steel	It is not available in CJ-6×1.
⑦	Nut	Mild steel	Zinc plated

Note: Inside the parentheses, “()” is for CJ-6×1.

● CJ□-18×1.5~CJ□-26×1.5



No.	Parts	Materials	Remarks
①	Stud	Steel	Nickel plated
②	Ring	Special steel	—
③	Case	Steel	Nickel plated
④	Socket	Steel	Nickel plated
⑤	Dust seal	Synthetic rubber	NBR
⑥	Pin	Special steel	—
⑦	Nut	Mild steel	Zinc plated

Mass

Item	Size	kg [oz.]			
		3×0.5	4×0.7	5×0.8	6×1
Cylinder joint alone		0.011 [0.39]	0.012 [0.42]	0.023 [0.81]	0.025 [0.88]

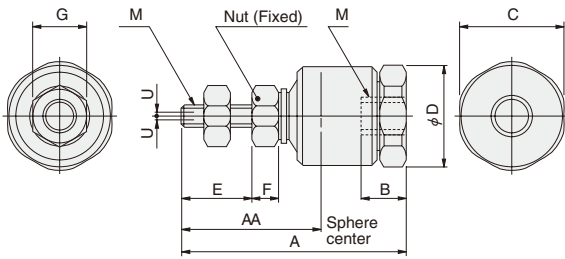
Item	Size	kg [lb.]															
		Short nose type (CJS)								Long nose type (CJL)							
		8×1	10×1.25	12×1.25	14×1.5	18×1.5	22×1.5	26×1.5	8×1	10×1.25	12×1.25	14×1.5	18×1.5	22×1.5	26×1.5		
Cylinder joint alone		0.05 [0.11]	0.10 [0.22]	0.20 [0.44]	0.21 [0.46]	0.36 [0.79]	0.67 [1.48]	1.27 [2.80]	0.055 [0.121]	0.105 [0.232]	0.213 [0.470]	0.24 [0.53]	0.41 [0.90]	0.75 [1.65]	1.18 [2.60]		
With foot mounting bracket		—	—	—	—	—	—	—	0.09 [0.20]	0.17 [0.37]	0.36 [0.79]	0.39 [0.86]	1.00 [2.21]	1.69 [3.73]	2.32 [5.12]		
With flange mounting bracket		0.10 [0.22]	0.21 [0.46]	0.26 [0.57]	0.47 [1.04]	0.95 [2.09]	1.93 [4.26]	2.52 [5.56]	0.090 [0.198]	0.165 [0.364]	0.272 [0.600]	0.49 [1.08]	0.95 [2.09]	1.96 [4.32]	2.57 [5.67]		

Dimensions (mm)

● CJ-3×0.5, CJ-4×0.7, CJ-5×0.8



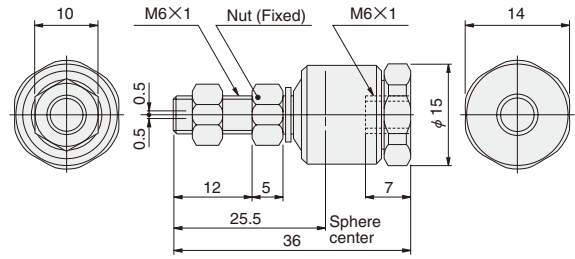
CJ1



● CJ-6×1



CJ1



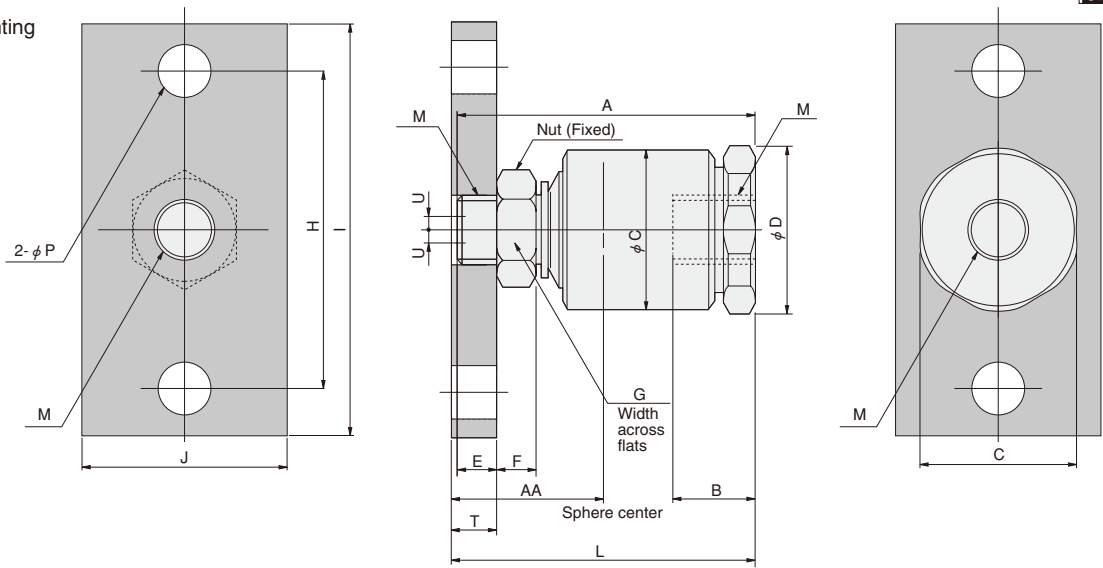
Model	M		A	B	C	D	E	F	G	AA	Allowable eccentricity U
	Nominal size	Pitch									
CJ-3×0.5	3	0.5	23	5	12	13	7	2.4	5.5	15.6	0.5
CJ-4×0.7	4	0.7	25.5	5	12	13	8.8	3.2	7	18.1	0.5
CJ-5×0.8	5	0.8	33	7	14	15	10.5	4	8	22.4	0.5

● CJS-8×1-3, CJS-10×1.25-3, CJS-12×1.25-3, CJS-14×1.5-3



CJ2

Short nose type
(with flange mounting bracket)



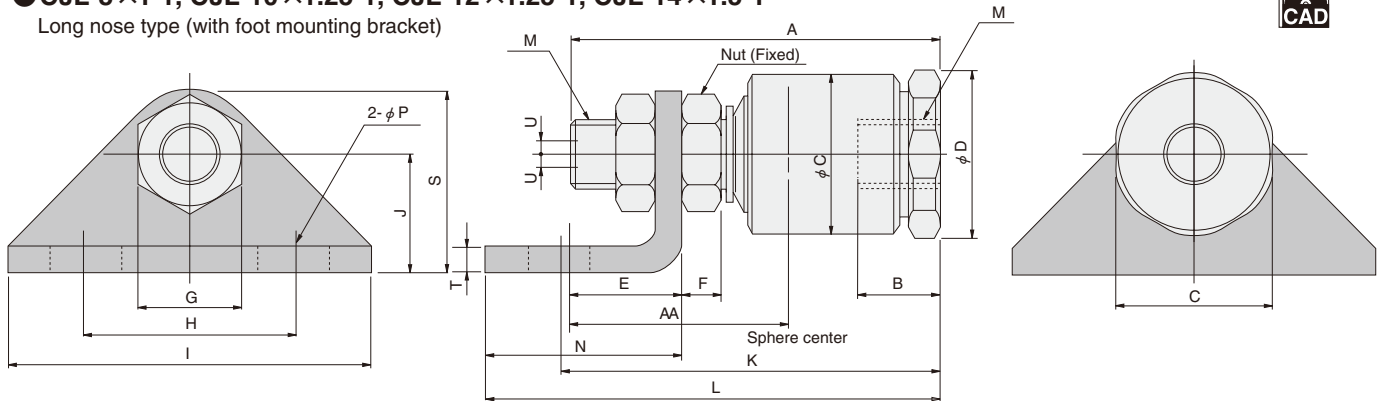
Model	M		Short nose type body								With flange mounting bracket							Allowable eccentricity U
	Nominal size	Pitch	A	B	C	D	E	F	G	AA	H	I	J	L	P	T		
CJS-8×1	8	1	38	10	19	20	4	5	12	22.5	40	52	25	40	7	6	0.5	
CJS-10×1.25	10	1.25	48	12	24	25.5	7	6	14	29.5	44	56	32	50	7	9	0.75	
CJS-12×1.25	12	1.25	59.5	16	30	32	7	7	17	34.5	44	56	32	61.5	7	9	1.0	
CJS-14×1.5	14	1.5	63.5	16	30	32	10	8	19	38.5	60	80	38	65.5	11	12	1.0	

● CJL-8×1-1, CJL-10×1.25-1, CJL-12×1.25-1, CJL-14×1.5-1



CJ3

Long nose type
(with foot mounting bracket)

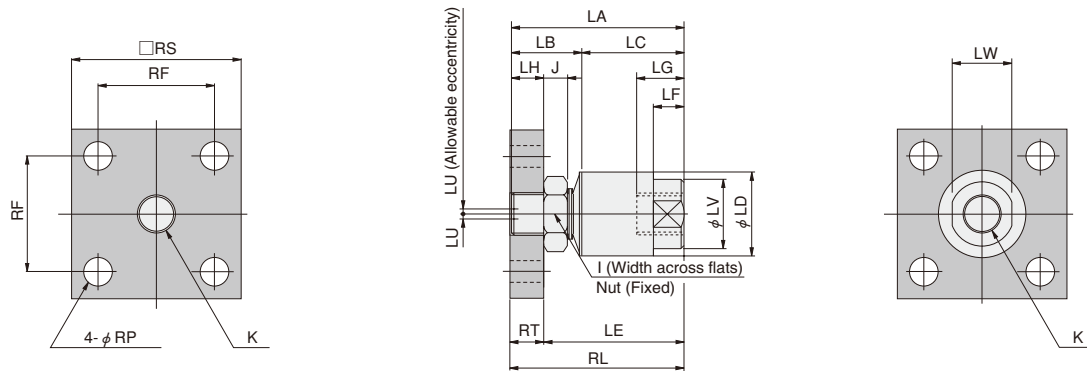


Model	M		Long nose type body								With foot mounting bracket									Allowable eccentricity U
	Nominal size	Pitch	A	B	C	D	E	F	G	AA	H	I	J	K	L	N	P	S	T	
CJL-8×1	8	1	47	10	19	20	13	5	12	30.5	26	44	15	48	59	25	9	23	3.2	0.5
CJL-10×1.25	10	1.25	57	12	24	25.5	16	6	14	37.5	26	44	19	59	71	30	9	29	5	0.75
CJL-12×1.25	12	1.25	70.5	16	30	32	18	7	17	44.5	26	44	19	70.5	82.5	30	9	29	5	1.0
CJL-14×1.5	14	1.5	72.5	16	30	32	19	8	19	46.5	36	64	22	83.5	98.5	45	11	34	6	1.5

Dimensions (mm)

● CJS-18×1.5-3, CJS-22×1.5-3, CJS-26×1.5-3

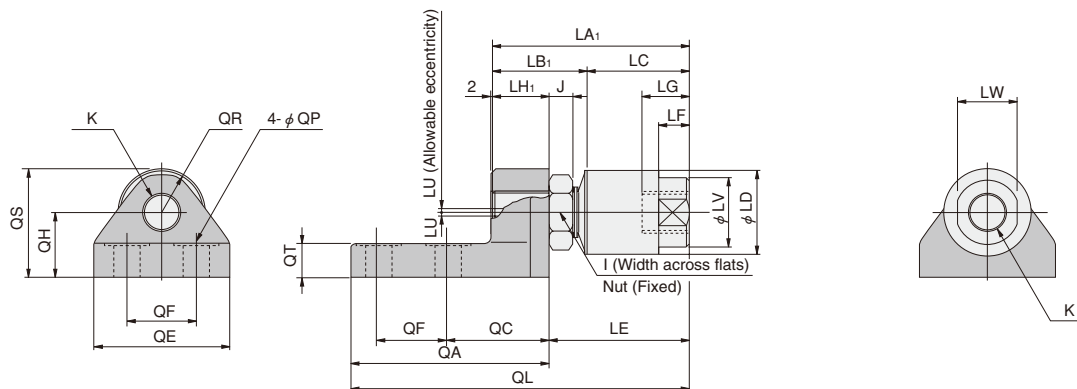
Short nose type (with flange mounting bracket)



Model	Short nose type body													With flange mounting bracket					
	I	J	K	LA	LB	LC	LD	LE	LF	LG	LH	LU	LV	LW	RF	RL	RP	RS	RT
CJS-18×1.5	27	11	M18×1.5	77	31	46	38	64	14	21	13	1.25	29	27	50	79	11	75	15
CJS-22×1.5	32	13	M22×1.5	93	38	55	49	77	16	25	16	2	34	32	62	95	14	100	18
CJS-26×1.5	36	14	M26×1.5	109	44	65	57	90	21	30	19	2.5	44	41	70	111	14	100	21

● CJL-18×1.5-1, CJL-22×1.5-1, CJL-26×1.5-1

Long nose type (with foot mounting bracket)



Model	Long nose type body													With foot mounting bracket										
	I	J	K	LA ₁	LB ₁	LC	LD	LE	LF	LG	LH ₁	LU	LV	LW	QA	QC	QE	QF	QH	QL	QP	QR	QS	QT
CJL-18×1.5	27	11	M18×1.5	88	42	46	38	64	14	21	24	1.25	29	27	89	45	60	32	28	153	11	16	47	14
CJL-22×1.5	32	13	M22×1.5	105	50	55	49	77	16	25	28	2	34	32	99	49	68	36	35	176	14	19	59.5	18
CJL-26×1.5	36	14	M26×1.5	122	57	65	57	90	21	30	32	2.5	44	41	103	53	68	36	42	193	14	21	70.5	21

Handling Instructions and Precautions

- The cylinder joint is for air cylinders. Consult us for any use other than for the air cylinder.
- The cylinder joint stud can rotate, but primarily the cylinder joint is not designed as a rotary joint, so it should not be used as a rotary joint.
- It cannot be used again after disassembled.
- The lubricant has been filled in the body.
- The threaded depth in the cylinder rod socket should be within the value shown in the catalog. As a guide, it should be in a position about 1 or 2 rotations back from where it reaches the bottom.
- Be sure not to let any foreign objects or dust enter inside through the socket female thread before installation.