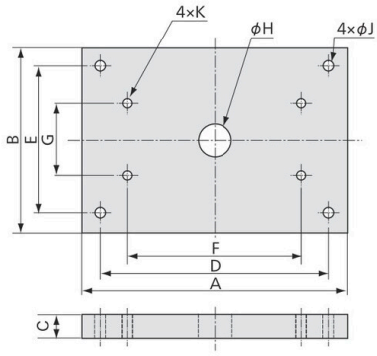
Load Cell Accessories

For compression measurement

BP Base Plate

This is a dedicated base plate designed to maximize the sensor (thin load cell)) performance.

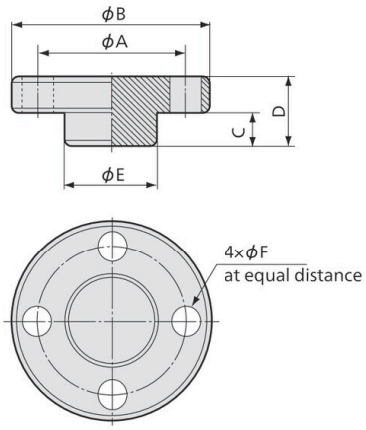


■Lineup

Model	Applicable Load Cells	A	B	C	D	E	F	G	ϕH	ϕJ	K
BP01-2T	LCTB-A-5KN LCTB-A-10KN LCTB-A-20KN	250	168	14	220	138	170	70	30	13	M10

CA Saddle

This is used when measuring compression load with a load cell. Attached to the side to be measured, it is used to reliably transmit the measured load to the load cell.

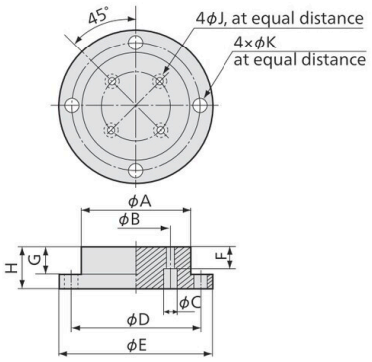


■Lineup

Model	Applicable Load Cells	ϕA	ϕB	C	D	ϕE	ϕF	Hexagon Socket Head Bolts	Weight (Approx.)
CA-1B	LU-50 to 500KE LCS-500K, 1TD	43	58	9	19	27	7	M6	300 g
CA-2B	LCK-A-5 to 20KN LTZ-50K to 2TA LUH-50 to 500KF LUB-B	38	53			24			200 g
CA-10B	LC-5, 10TV LCK-A-50, 100KN LCS-2, 5TD LTZ-5TA LCR-B-5 to 50KNS7	80	98	12	24	60	11	M10	1 kg
CA-50B	LC-20TV LCV-A-500KN LCK-A-200KN LCH-10, 20TF LCR-B-100KNS7	100	118	13	28	80			1.8 kg
CA-1MH	LCV-A-1MN	128	156	25	40	100	13	M12	4 kg

CF Mount Base

This is used when the installation surface on which the load cell is installed cannot withstand the load, or when the load cell cannot be secured from below.



■Lineup

Model	Applicable Load Cells	ϕA	ϕB	ϕC	ϕD	ϕE	F	G	H	ϕJ	ϕK	Hexagon Socket Head Bolts	Weight (Approx.)
CF-50	LC-5TV LU-50 to 200KE	80	50	10	96	112	13	20	30	5.5	9	4×M5, L20	1.5 kg
CF-60	LC-10TV LU-5 to 20KA	90	60	13	106	122				7		4×M6, L20	1.8 kg
CF-80	LC-20TV LCS-500KD to 5TD LU-50 to 500KE LUH-50 to 1TF	100	80	16	124	148	18	25	40	9	13	4×M8, L25	3.9 kg
CF-110	LCH-10TF	160	110		184	208	22	30	50			4×M8, L35	9.8 kg
CF-113F	LCV-A-500KN	130	113	18	154	178	35			11		4×M10, L45	7 kg
CF-130F	LCV-A-1MN	150	130	20	184	208				13		4×M12, L50	9 kg

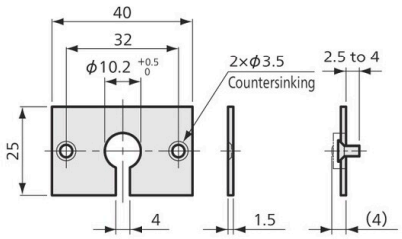
*The hexagon socket head bolts are standard provided.

CFM-B Mount Base

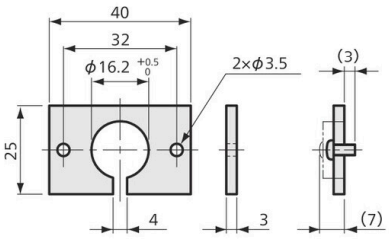
This is used to attach the load cell when measuring compression load with a load cell.

■Lineup

Model	Applicable Load Cells
CFM-10B	LMB/LMBT-A-10 to 200N
CFM-16B	LMB/LMBT-A-500 to 2KN



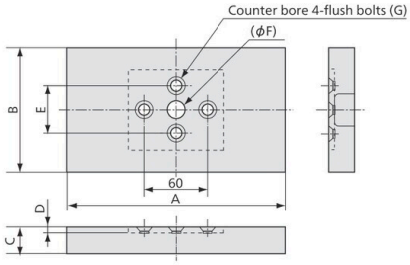
CFM-10B



CFM-16B

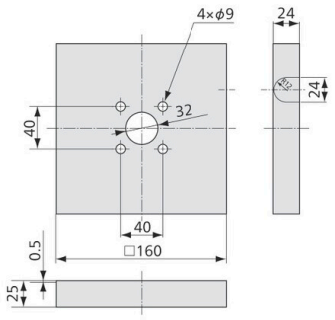
COV Stainless Steel Cover

This is used in environments where the multi-force sensor (thin load cell) comes into contact with water or oil.



■Lineup

Model	Applicable Load Cells	A	B	C	D	E	(ϕF)	G	Weight (Approx.)
COV01-2T	LCTB-A-5KN LCTB-A-10KN LCTB-A-20KN	206	116	25	5.5	45	18	M8	400 g



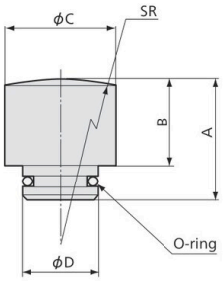
■Lineup

Model	Applicable Load Cells	Weight (Approx.)
COV03-300K	LCTA-A-500N LCTA-A-800N LCTA-A-1KN LCTA-A-2KN LCTA-A-3KN	180 g

CW/CWM Patch

This is used when measuring compression loading with beam-type load cell or tension load cell.

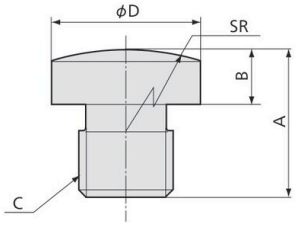
CW



■Lineup

Model	Applicable Load Cells	A	B	ϕC	ϕD	SR	Weight (Approx.)
CW-005	LUB-5 to 50KB	22	15	13	8	20	18 g
CW-02	LUB-100, 200KB			16	10	30	27 g
CW-1	LUB-500K, 1TB LUB-500KC	30	20	24	16	50	85 g
CW-2	LUB-2TB LUB-2TC	38	26	30	20	70	170 g

CWM

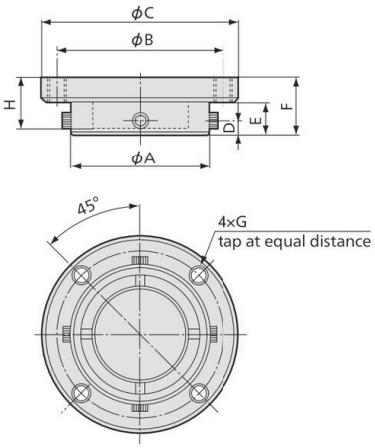


■Lineup

Model	Applicable Load Cells	A	B	C	ϕD	SR	Weight (Approx.)
CWM-6	LTZ-50, 100KA	10	4	M6 P=1	10	30	4 g
CWM-12	LTZ-200K to 1TA	19	7	M12 P=1.75	19		25 g
CWM-18	LTZ-2TA	28	10	M18 P=1.5	26	70	70 g
CWM-24	LTZ-5TA	37	17	M24 P=2	36		200 g

ER-B Movable Saddle

This is a load bearing seat used to remove lateral load, with metal fittings that can move freely on a plane within a certain range.

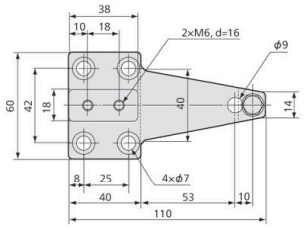


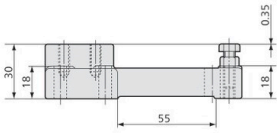
■Lineup

Model	Applicable Load Cells	ϕA	ϕB	ϕC	D	E	F	G	H	Weight (Approx.)
ER-2B	LUH-50 to 500KF	75	90	108	10	22	35	M8	34	1.5 kg
ER-5B	LC-5TV, LUH-1 to 5TF LCS-2,5TD	110	128	148	15	30	50	M12	49	4.3 kg
ER-10B	LC-10TV, LCH-10TF LUH-10TF	140	158	178		40	60		59	7.5 kg
ER-20B	LC-20TV, LCH-20TF LUH-20TF	160	178	198	20	50	80		78	13.1 kg

LD-005 Mount Base with a Stopper

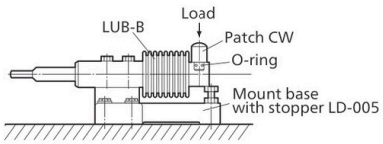
A pedestal for mounting a beam type load cell. It also serves as a stopper to prevent overload.





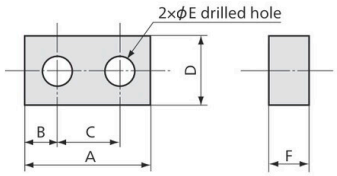
Applicable load cells: LUB-5KB to 50KB
Weight: Approx. 600 g

■Installation example



LE Spacers

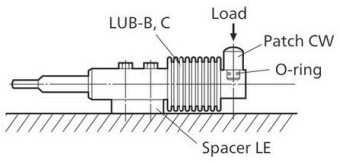
It is used to prevent the bellows from touching the ground surface by inserting it between the beam type load cell and the ground surface.



■Lineup

Model	Applicable Load Cells	A	B	C	D	ϕE	F	Weight (Approx.)
LE-005	LUB-5 to 50KB	36	9	18	22	6.6	13	74 g
LE-02	LUB-100,200KB	40	10	20		9		77 g
LE-1	LUB-500K,1TB LUB-500KC	100	25	50	40	13.5	20	590 g
LE-2	LUB-2TB LUB-2TC	118	29	60	50	17.5	25	1.1 kg

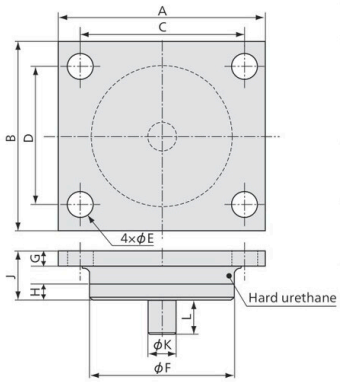
■Installation example



RA Rubber Attachment

This is used for installing a multi-force sensor on a tank, hopper, etc., it reduces the effect of thermal expansion of the structure and the effect of bending moment generated in the secured part.

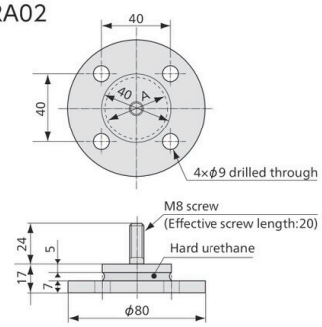
RA01



■Lineup

Model	Applicable Load Cells	A	B	C	D	ϕE	ϕF	G	H	J	ϕK	L	Weight (Approx.)
RA01-2T	LCTE-A-10KN LCTE-A-20KN LCTB-A-5KN LCTB-A-10KN LCTB-A-20KN	120	110	95	80	14	85	8.5	9.5	28	16	20	1.4 kg
RA01-5T	LCTE-A-30KN LCTE-A-50KN LCTE-A-100KN	170	150	140	120		130		12.5	35	20		3.2 kg
RA01-10T	LCTE-A-50KN LCTE-A-100KN LCTD-A-100KN	220	200	186	140	18	180	11.5	15.5	45			7.4 kg
RA01-30T	LCTD-A-200KN LCTD-A-300KN	300	250	250	200	23	240	18.5	20.5	63	35	40	19.2 kg

RA02



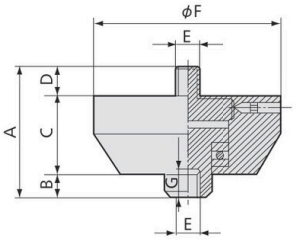
■Lineup

Model	Applicable Load Cells	A	Weight (Approx.)
RA02-100K	LCTA-A-500N LCTA-A-800N LCTA-A-1KN	30	500 g
RA02-300K	LCTA-A-2KN LCTA-A-3KN	36	

RJ Rotating Attachment

It is used to measure tensile loads and eliminates torsion applied to the load cell.

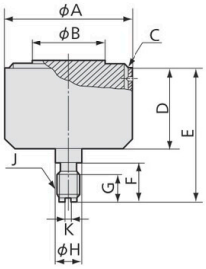
RJ



■Lineup

Model	Applicable Load Cells	A	B	C	D	E	ϕF	G	Weight (Approx.)
RJ-02	LU-50 to 200KE	55	10	35	10	M8 P=1.25	80	12	1.2 kg
RJ-05	LU-500KE	58			13	M12 P=1.75	100	17	1.7 kg
RJ-1	LU-1TE	82		52	20	M14 P=2		22	2.8 kg
RJ-2	LU-2TE					M18 P=1.5			
RJ-5	LU-5TE	118	14	71	33	M26 P=2	112	35	5.1 kg
RJ-10	LU-10TE	158	19	96	43	M36 P=2	138	45	10.4 kg
RJ-20	LU-20TE	226	25	140	61	M50 P=3	186	65	28.3 kg

RJ-B



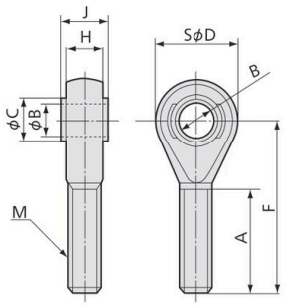
■Lineup

Model	Applicable Load Cells	ϕA	ϕB	C	D	E	F	G	ϕH	J	K	Weight (Approx.)
RJ-02B	LT-50 to 200KFL	74	42.5	M68	48	78	23	17	15	M12 P=1.75	1.6	1.5 kg
RJ-05B	LT-500KFH LT-500KFL	78		M72	58	94	27	20	20	M14 P=2	3	1.9 kg
RJ-1B	LT-1TFH LT-1TFL				65	109	33	26	25	M18 P=1.5		2.7 kg
RJ-2B	LT-2TFH LT-2TFL	82			72	127	44	35	30	M24 P=2		2.8 kg
RJ-5B	LT-5TFH LT-5TFL	134	63	M110	107	179	55	45	50	M39 P=3	6	10.9 kg

TU Ball Joint

This is used for tension loading measurement of load cells. This is suitable for measuring rope tension, etc.

TU/TU-C

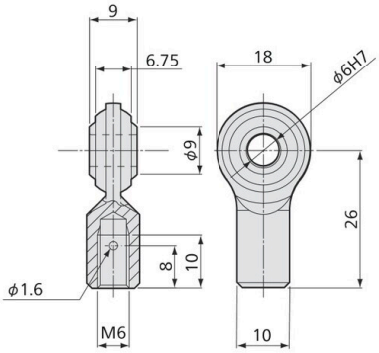


■Lineup

Model	Applicable Load Cells	A	ϕB	ϕC	SϕD	F	H	J	M	Weight (Approx.)
TU-6C	LTZ-50, 100KA	22	6 H7	9	18	36	6.7	9	M6 P=1	20 g
TU-8	LU-50 to 200KE LUR-A-SA1	29	8 H7	10.4	22	46	8.25	11	M8 P=1.25	100 g
TU-12	LU-500KE LUH-50 to 200KF	37	12 H7	15.43	30	62	13.25	16	M12 P=1.75	
TU-12C	LTZ-200K to 1TA									
TU-14	LU-1TE LUH-1TF	38	14 H7	18	37	64	14.25	17	M14 P=2	200 g
TU-18	LU-2TE LUH-500KF, 2TF	44	18 H7	21.89	42	72	16.5	23	M18 P=1.5	300 g
TU-18C	LTZ-2TA									
TU-24C	LTZ-5TA	66	25 H7	35.5	70	113	26.5	37	M24 P=2	1 kg
TU-26	LU-5TE LUH-5TF	68							M26 P=2	

* TU-6C, 12C, 18C, and 24C come standard with nuts.

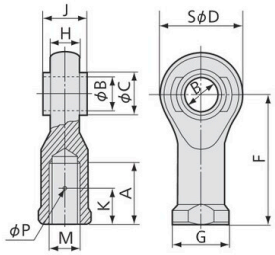
TU-6B



■Lineup

Model	Applicable Load Cells	Weight (Approx.)
TU-6B	LUX-B-50 to 200N-ID	25 g

TU-12B to 39B



■Lineup

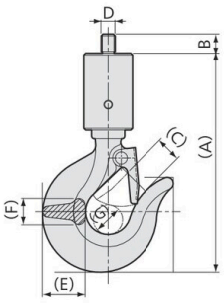
Model	Applicable Load Cells	A	ϕB	ϕC	SϕD	F	G	H	J	K	M	ϕP	Weight (Approx.)
TU-12B	LT-50 to 200KFL LUX-B-500N to 2KN-ID	24	12 H7	15.43	30	50	22	12	16	14.5	M12 P=1.75	1.8	200 g
TU-18B	LT-1TFH LT-1TFL LUX-B-5 to 20KN-ID	36	18 H7	21.89	42	71	31	16.5	23	21	M18 P=1.5	3.2	300 g
TU-39B	LT-5TFH LT-5TFL	73	40 H7	46.28	85	140	65	33	48	49.5	M39 P=3	6.3	2.2 kg

For tensile measurement

THC/THD Hook

This is used for tension loading measurement of load cells. This is suitable for measuring rope tension, etc.

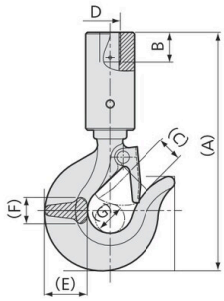
THC



■Lineup

Model	Applicable Load Cells	(A)	B	(C)	D	(E)	(F)	(G)	Weight (Approx.)
THC-2	LU-50 to 200KE	124	12	13	M8×1.25	27	17	11	0.4 kg
THC-5	LU-500KE	145	16	19	M12×1.75	32	19	16	0.6 kg
THC-10	LU-1TE	216	20	26	M14×2	48	29	19	1.8 kg

THD



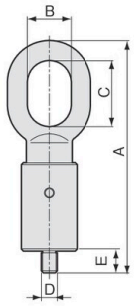
■Lineup

Model	Applicable Load Cells	(A)	B	(C)	D	(E)	(F)	(G)	Weight (Approx.)
THD-2	LT-50 to 200KFL	135	17	13	M12×1.75	27	17	11	0.5 kg
THD-5	LT-500KFH LT-500KFL	161	19	19	M14×2	32	19	16	0.6 kg
THD-10	LT-1TFH LT-1TFL	224	25	26	M18×1.5	48	29	19	1.8 kg

TRC/TRD Shackle

This is used for tension loading measurement of load cells and is suitable for measuring rope tension, etc.

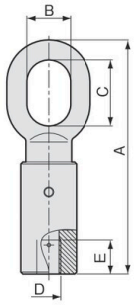
TRC



■Lineup

Model	Applicable Load Cells	A	B	C	D	E	Weight (Approx.)
TRC-2	LU-50 to 200KE	115	23	34	M8×1.25	12	0.4 kg
TRC-5	LU-500KE	139	28	42	M12×1.75	16	0.6 kg
TRC-10	LU-1TE	203	38	60	M14×2	20	1.5 kg

TRD



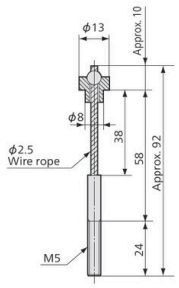
■Lineup

Model	Applicable Load Cells	A	B	C	D	E	Weight (Approx.)
TRD-2	LT-50 to 200KFL	126	23	34	M12×1.75	17	0.4 kg
TRD-5	LT-500KFH LT-500KFL	155	28	42	M14×2	19	0.6 kg
TRD-10	LT-1TFH LT-1TFL	211	38	60	M18×1.5	25	1.5 kg

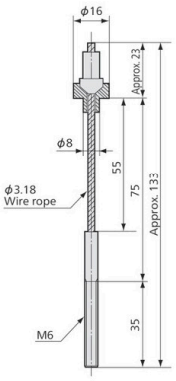
TW Hanger

This is used when measuring by suspending the measured object on the beam type load cell.

TW-002/005



TW-002

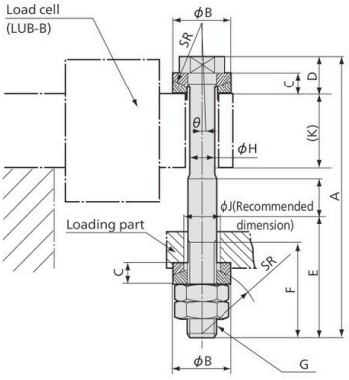


TW-005

■Lineup

Model	Applicable Load Cells	Weight (Approx.)
TW-002	LUB-5 to 20KB	13 g
TW-005	LUB-5 to 50KB	25 g

TW-02 to 2



■Lineup

Model	Applicable Load Cells	A	ϕB	C	D	E	F	G	ϕH	ϕJ	(K)	R	θ	Lateral Movable Range	Weight (Approx.)
TW-02	LUB-100, 200KB	90	20	8	13	53	35	M8	6	12	20	20	2° 40′	3.5	70 g
TW-1	LUB-500KB, 1TB LUB-500KC	133	28	10	18	75	45	M14	12	18	35	30	1° 40′		250 g
TW-2	LUB-2TB LUB-2TC	165	34		20	95	60	M18 P=1.5	15	22	44	40		4.5	500 g

■In combination

