



One



P/F



Hopper



Tank

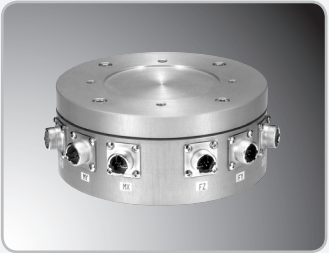
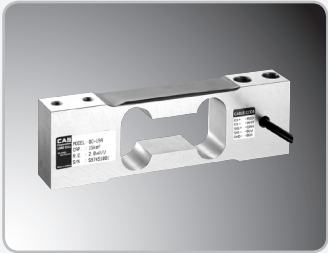


Truck



Crane

CONTENTS



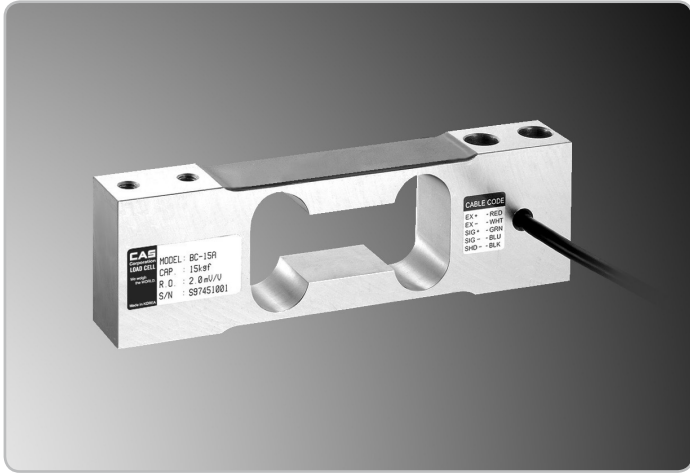
- SINGLE POINT
- BENDING & SHEAR
- S-BEAM
- CANISTER
- PANCAKE & MINITURE
- TRUCK & TANK WEIGHING
- SPECIAL APPLICATION

Loading	Material	Model	Capacity(-kg)										Approval			EXia	Accessory
			1-5	5-30	30-150	150-1K	1K-3K	3K-5K	5K-10K	10K-100K	100K~	OIML	NTEP				
Compression	Aluminium	BC	●	●	●									●			
		BCA		●	●										●		
		BCD			●												
		BCH					●							●			
		BCL	●	●	●	●						●	●	●			
		BCM			●	●						●	●				
		CHE-KM															
		BCK	●	●	●				●								
		MASXXX	●	●	●												
		SB		●	●	●										●	
		SMN	●														
	steel	BS			●	●	●	●	●						●		●
		BSA			●	●	●	●	●						●		●
		BSB				●	●	●	●								●
		BSH				●	●	●	●								
		CC		●	●	●	●	●	●							●	
		CHE				●	●	●	●								
		CPA				●		●									
		DES-B														●	
		DSB-20								●						●	
		DSB-1								●						●	
		DSB-2								●						●	
		DSB-B								●						●	
		FSH							●								
Stainless steel	HC															●	
	HCP															●	
	LSB																
	LSC																
	LSW																
	SPL		●	●		●											
	LS		●	●	●	●	●	●	●						●	●	
	SBA		●	●	●	●	●	●	●					●	●		
	MASXXX	●	●	●													
	SB				●	●										●	
	MNC			●	●	●	●	●	●								
	BSS			●	●	●	●	●	●						●		
	HBS		●	●	●	●	●	●	●						●		
	LSS				●	●	●	●	●						●		
	NMNC			●													
Aluminium	WBK															●	
	SBS				●	●	●	●	●						●	●	
	SMN			●	●	●	●	●									
	MNC			●	●	●	●	●	●								
	BCK	●	●	●													
	MASXXX	●	●	●													
	SBAS		●														
	SB		●	●	●											●	
	MASXXX	●	●	●													
	SB			●	●	●											
	SB				●	●										●	
	CT		●	●	●	●	●	●	●							●	
	LS					●	●	●	●					●		●	
	SBA		●	●	●	●	●	●	●					●		●	
	Steel	CTS(T)				●	●	●	●	●						●	●
LSS				●	●	●	●	●	●						●	●	
MNT					●	●	●	●	●						●	●	
SBS							●	●	●							●	
Stainless steel																	

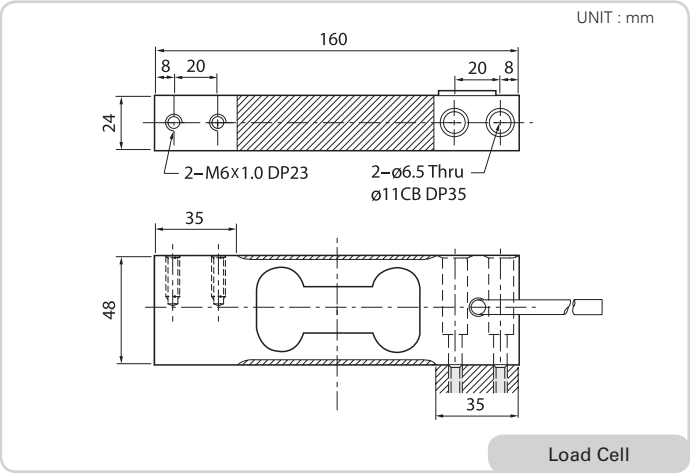
BC

Single Point Load Cell, 3kgf-30kgf

● LOAD CELL



● DIMENSION



● FEATURES

- Low cost
- Off center compensated
- Protection Class IP65

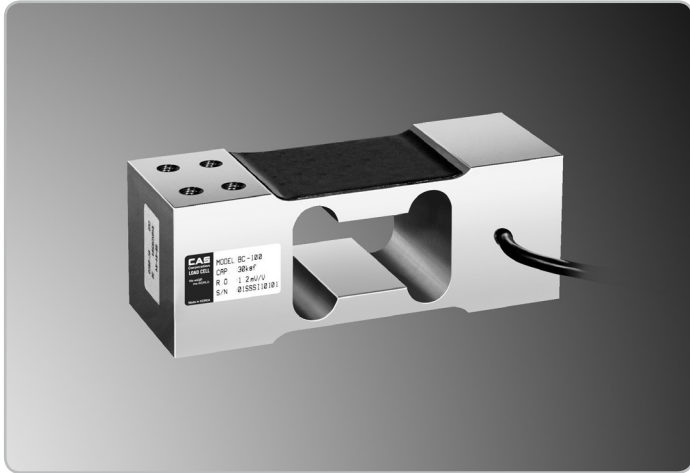
● SPECIFICATION

Max. Capacity (Rated Load)	kgf	3, 5, 15, 30
Rated Output	mV / V	3~5kgf: 1.0(Approx.) / 15~30kgf: 1.2(Approx.)
Zero Balance	mV / V	0.0 ± 0.06
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤ 1/3000
Division	mV / V	0.00033(Approx.)/0.0004(Approx.)
Temperature Effect on	-	-
Zero Value	% / 10℃	0.028
Output Value	% / 10℃	0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	420 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +70
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø5 x 4p x 30cm (P.V.C)
Safety Overload	% R.L.	150% R.L.
Platform Size	mm	400 x 400

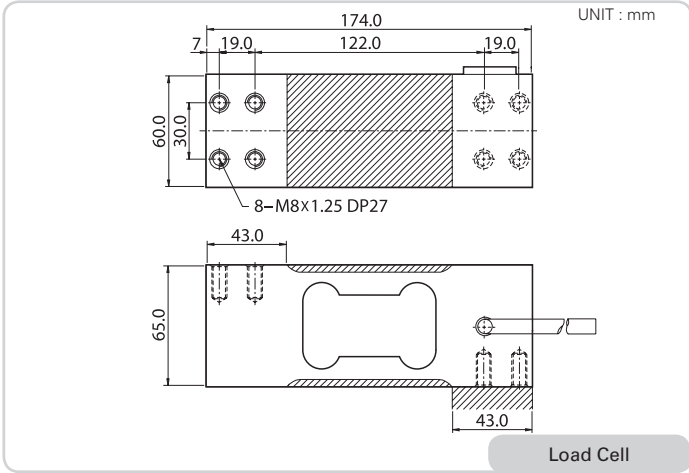
BC

Single Point Load Cell, 30kgf-150kgf

● LOAD CELL



● DIMENSION



● FEATURES

- Low cost
- Off center compensated
- Protection Class IP65

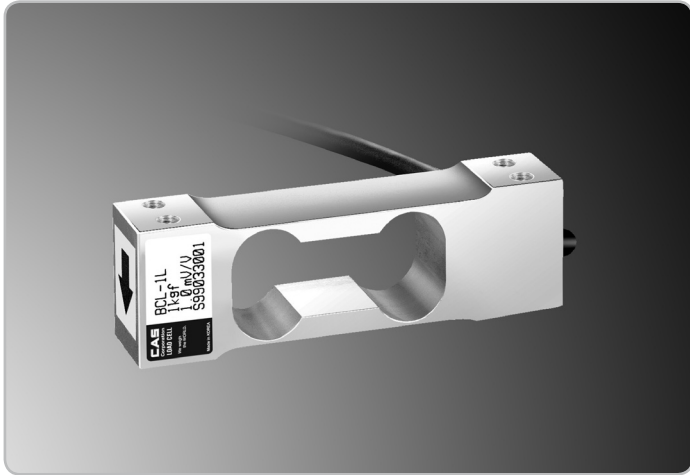
● SPECIFICATION

Max. Capacity (Rated Load)	kgf	30, 60, 100, 150
Rated Output	mV / V	1.2 (Approx)
Zero Balance	mV / V	0.0 ± 0.06
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤ 1/3000
Division	mV / V	0.0004
Temperature Effect on	-	-
Zero Value	% / 10℃	0.028
Output Value	% / 10℃	0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	420 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +70
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø5 x 4p x 1.365M (P.V.C)
Safety Overload	% R.L.	150% R.L.
Platform Size	mm	400 x 600

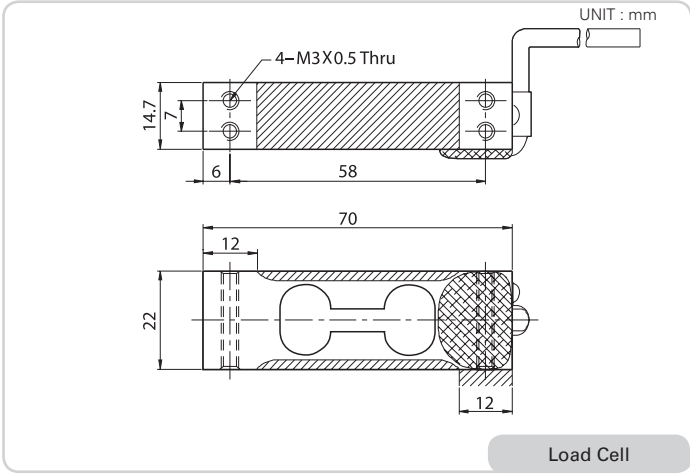
BCL

Single Point Load Cell, 1kgf-3kgf

LOAD CELL



DIMENSION



FEATURES

- Low cost
- Off center compensation
- Protection Class IP65

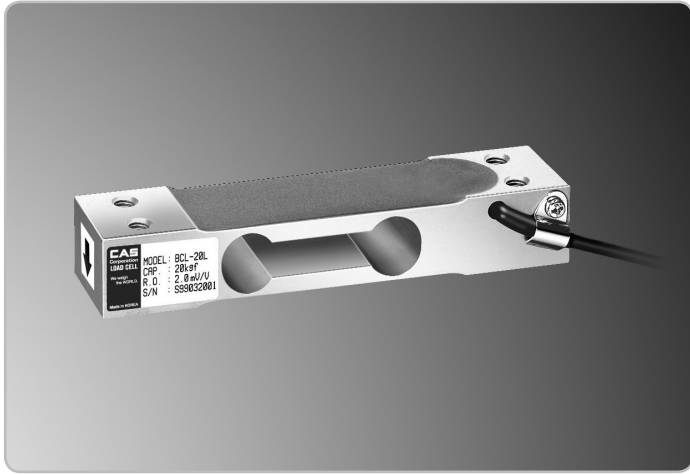
SPECIFICATION

Max. Capacity (Rated Load)	kgf	1, 2, 3
Rated Output	mV / V	1.0 ± 0.1
Zero Balance	mV / V	0.0 ± 0.05
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤ 1/3000
Division	mV / V	0.00033
Temperature Effect on	-	-
Zero Value	% / 10℃	0.028
Output Value	% / 10℃	0.014
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	400 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +70
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø4 x 4p x 60cm (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	200 x 200

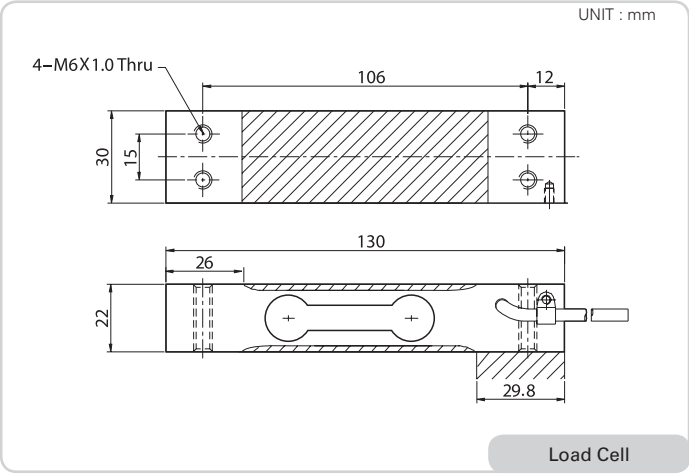
BCL

Single Point Load Cell, 6kgf-30kgf

LOAD CELL



DIMENSION



FEATURES

- Low cost
- Low profile
- Off center compensated (OIML R76)
- Protection Class IP65
- PTB and OIML C3 approved (OIML R60)
- 6-wires connection

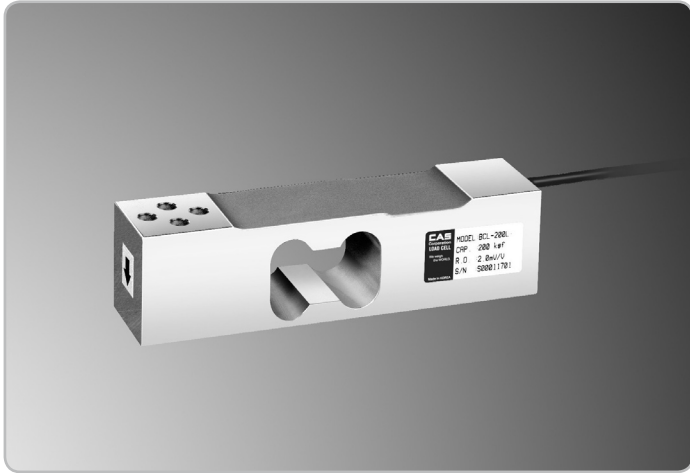
SPECIFICATION

Max. Capacity (Rated Load)	kg	6, 10, 15, 20, 30	
Rated Output	mV / V	2.0 ± 0.2	
Zero Balance	mV / V	0.0 ± 0.1	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.03	0.025
Hysteresis	% R.O.	0.03	0.025
Combined Error	% R.O.	0.03	0.025
Repeatability	% R.O.	0.01	0.01
Creep for 30min.	% R.O.	0.03	0.017
Return for 30min.	% R.O.	0.03	0.017
Resolution	-	≤ 1/3000	≤ 1/4000
Division	mV / V	0.00067	0.0005
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.028	0.014
Output Value	% / 10℃	0.014	0.011
Excitation	-	-	-
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	-
Input	Ω	400 ± 20	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-20 to +70	
Material & Plate	-	Anodized Aluminum	
Cable Specification	-	ø4 x 4p x 60cm (P.V.C)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	300 x 300	

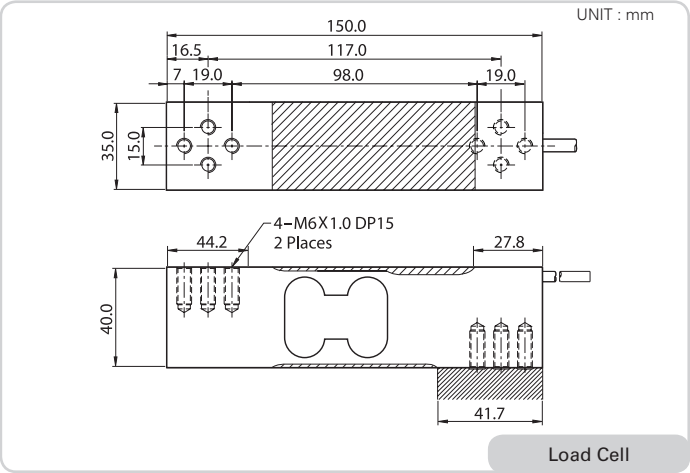
BCL

Single Point Load Cell, 60kgf-200kgf

● LOAD CELL



● DIMENSION



● FEATURES

- Low cost
- Low profile
- Off center compensated
- Protection Class IP65

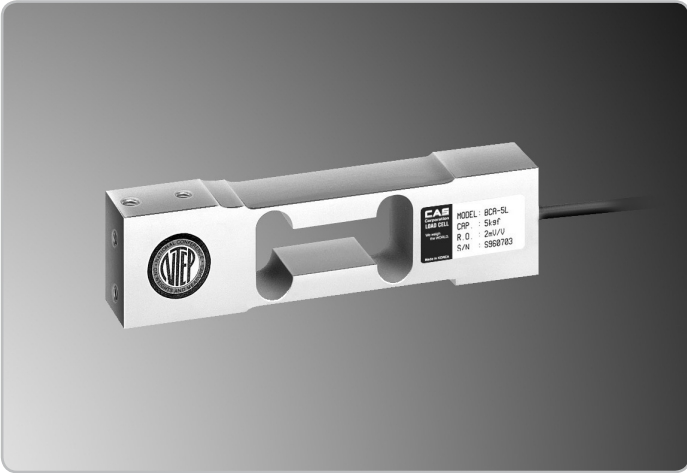
● SPECIFICATION

Max. Capacity (Rated Load)	kgf	60, 100, 150, 200
Rated Output	mV / V	2.0 ± 0.2
Zero Balance	mV / V	0.0 ± 10.1
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤ 1/3000
Division	mV / V	0.00067
Temperature Effect on	-	-
Zero Value	% / 10℃	0.028
Output Value	% / 10℃	0.014
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	400 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +70
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø4 x 4p x 2M (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	400 x 400

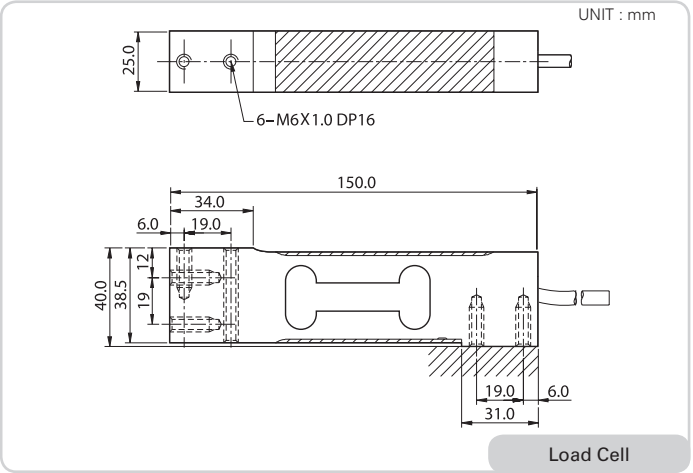
BCA

Single Point Load Cell, 5kgf-100kgf

● LOAD CELL



● DIMENSION



● FEATURES

- OIML C3 Approved (OIML R60)
- NTEP III 5,000 approved (A5)
- 6-wires connection
- Protection Class IP65

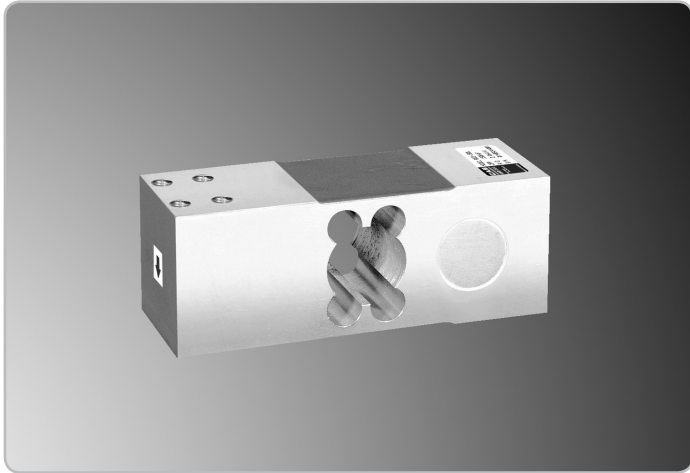
● SPECIFICATION

Max. Capacity (Rated Load)	kgf	5, 10, 15, 20, 30, 50, 75, 100	
Rated Output	mV / V	2.0 ± 0.2	
Zero Balance	mV / V	0.0 ± 0.1	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.03	0.02
Hysteresis	% R.O.	0.03	0.02
Combined Error	% R.O.	0.03	0.02
Repeatability	% R.O.	0.01	0.01
Creep for 30min.	% R.O.	0.03	0.017
Return for 30min.	% R.O.	0.03	0.017
Resolution	-	≤ 1/3000	≤ 1/5000
Division	mV / V	0.00067	0.0004
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.028	0.014
Output Value	% / 10℃	0.014	0.011
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	400 ± 20	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-20 to +70	
Material & Plate	-	Anodized Aluminum	
Cable Specification	-	ø5 x 4p x 1M (Urethane)	
Safety Overload	% R.L.	150	
Platform Size	mm	400 x 400	

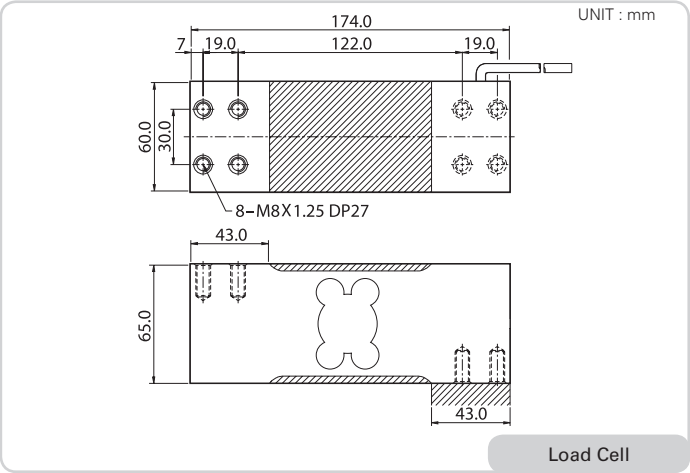
BCD

Single Point Load Cell, 100kgf-500kgf

● LOAD CELL



● DIMENSION



● FEATURES

- Low cost
- Off center compensated
- Protection Class IP65

● SPECIFICATION

Max. Capacity (Rated Load)	kgf	100, 150, 250, 300, 500
Rated Output	mV / V	2.0 ± 0.2
Zero Balance	mV / V	0.0 ± 0.1
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤ 1/3000
Division	mV / V	0.00067
Temperature Effect on	-	-
Zero Value	%/10 °C	0.028
Output Value	%/10 °C	0.014
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	400 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	°C	-10 to +40
Operating Temperature Range	°C	-20 to +70
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø5 x 4p x 1.5M (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	400 x 600

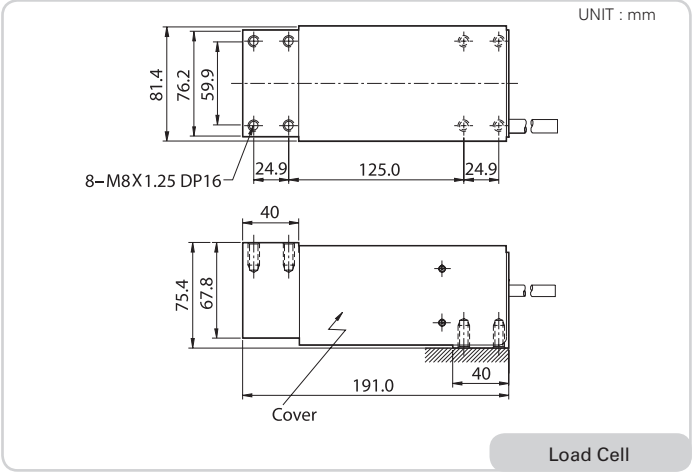
BCM

Single Point Load Cell, 50kgf-500kgf

● LOAD CELL



● DIMENSION



● FEATURES

- OIML C3 approved (OIML R60)
- NTEP III 5,000S approved (handbook 44)
- Off center compensated (OIML R76)
- Protection Class IP65
- 6-wires connection

● SPECIFICATION

Max. Capacity (Rated Load)	kgf	50, 75, 100, 150, 200, 300, 500, 750	
Rated Output	mV / V	2.0 ± 0.2	
Zero Balance	mV / V	0.0 ± 0.1	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.03	0.02
Hysteresis	% R.O.	0.03	0.02
Combined Error	% R.O.	0.03	0.02
Repeatability	% R.O.	0.01	0.01
Creep for 30min.	% R.O.	0.03	0.017
Return for 30min.	% R.O.	0.03	0.017
Resolution	-	≤ 1/3000	≤ 1/5000
Division	mV / V	0.00067	0.0004
Temperature Effect on	-	-	-
Zero Value	% / 10 °C	0.028	0.014
Output Value	% / 10 °C	0.014	0.011
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	400 ± 20	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	°C	-10 to +40	
Operating Temperature Range	°C	-20 to +70	
Material & Plate	-	Anodized Aluminum	
Cable Specification	-	ø5 x 4p x 3M (Urethane)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	600 x 600	

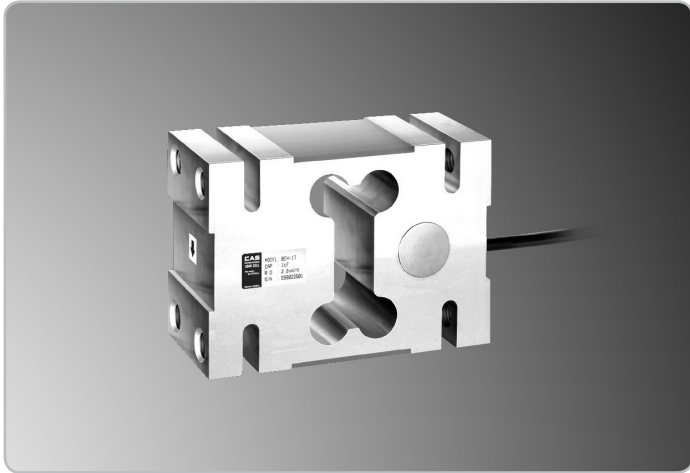
BCH

BCK

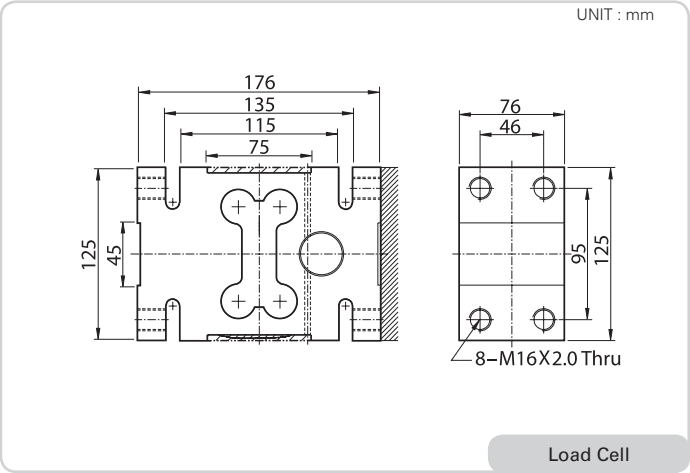
Single Point Load Cell, 500kgf-2.5tf

Single Point (Force sensor) Load Cell, 3kgf-30kgf

LOAD CELL



DIMENSION



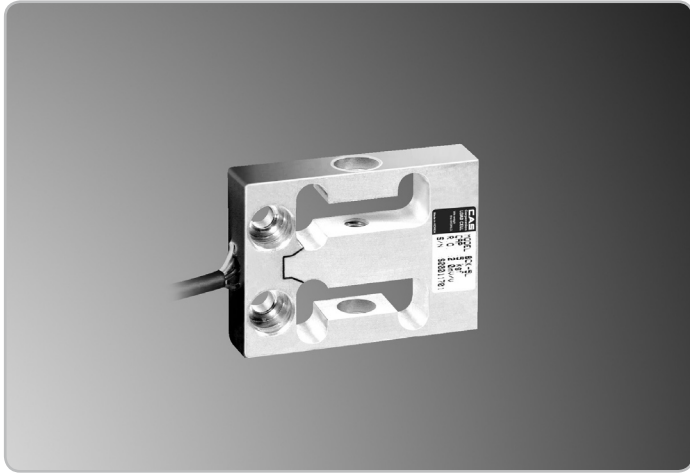
FEATURES

- Large platform application
- Off center compensated
- Protection Class IP65

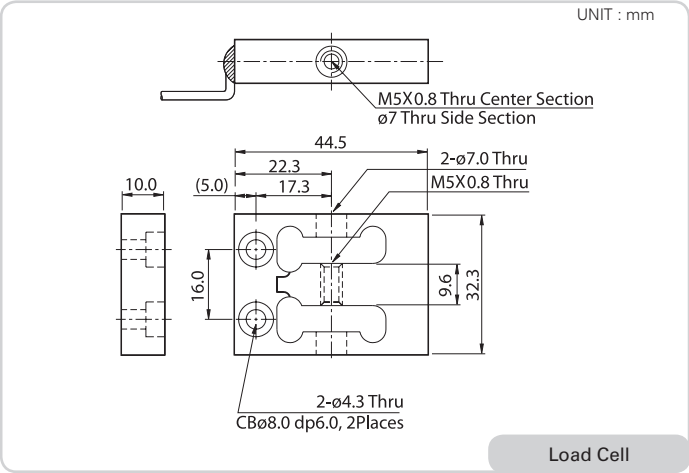
SPECIFICATION

Max. Capacity (Rated Load)	kgf	500, 1K, 1.5K, 2K, 2.5K
Rated Output	mV / V	2.0 ± 0.2
Zero Balance	mV / V	0.0 ± 0.1
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤ 1/3000
Division	mV / V	0.00067
Temperature Effect on	-	-
Zero Value	%/10 °C	0.028
Output Value	%/10 °C	0.014
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	400 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	°C	-10 to +40
Operating Temperature Range	°C	-20 to +70
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø5.4 x 4p x5M (Uretane)
Safety Overload	%R.L.	150%R.L.
Platform Size	mm	1200 x 1200

LOAD CELL



DIMENSION



FEATURES

- High bridge impedance
- Overload protection
- Small size and light weight
- Simplified tension and compression loading

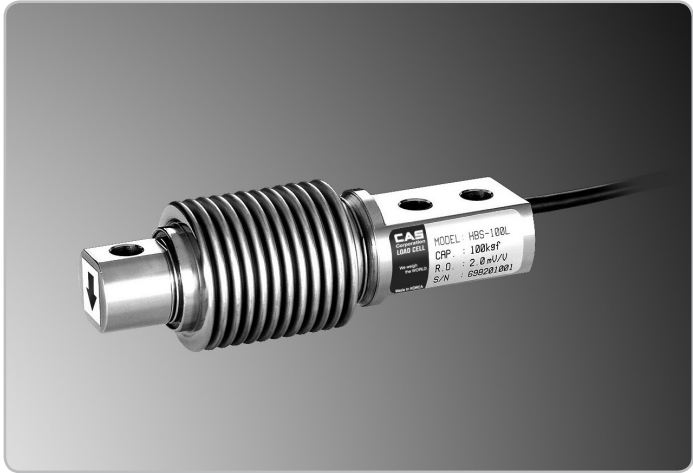
SPECIFICATION

Max. Capacity (Rated Load)	kgf	1, 2, 5, 10, 25, 50
Rated Output	mV / V	2.0 ± 0.2
Zero Balance	mV / V	0 ± 0.4
Accuracy Class	-	-
Non-Linearity	% R.O.	0.05
Hysteresis	% R.O.	0.05
Combined Error	% R.O.	0.05
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.1
Return for 30min.	% R.O.	0.1
Resolution	-	≤ 1/2000
Division	mV / V	0.001
Temperature Effect on	-	-
Zero Value	% / 10°C	0.05
Output Value	% / 10°C	0.03
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	1160 ± 10
Output	Ω	1000 ± 10
Insulation	MΩ	>2000
Compensated Temperature Range	°C	-10 to +40
Operating Temperature Range	°C	-20 to +80
Material & Plate	-	Anodized Aluminum
Cable Specification	-	4p x 0.15M(Flat)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

HBS

Bending Beam Load Cell

LOAD CELL



FEATURES

- All stainless steel construction
- OIML C3 approved
- Option : Ex ia IIC T6 approved (20~500kgf)
- Protection class IP67

ACCESSORY OPTION

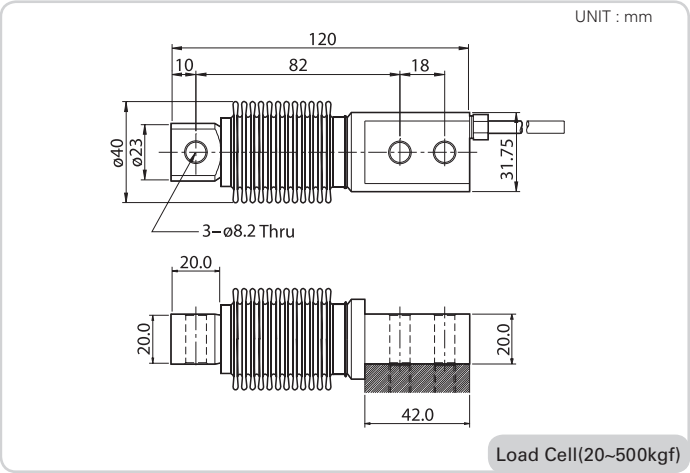
- Ball type accessory

SPECIFICATION

Max. Capacity (Rated Load)	kgf	10, 20, 50, 100, 200, 500, 1K, 2K	
Rated Output	mV / V	2.0 ± 0.005	
Zero Balance	mV / V	0.0 ± 0.02	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.03	0.02
Hysteresis	% R.O.	0.03	0.02
Combined Error	% R.O.	0.03	0.02
Repeatability	% R.O.	0.01	0.01
Creep for 30min.	% R.O.	0.03	0.017
Return for 30min.	% R.O.	0.03	0.017
Resolution	-	<1/3000	<1/5000
Division	mV / V	0.00067	0.0002
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.028	0.014
Output Value	% / 10℃	0.015	0.011
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	400 ± 20	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-30 to +80	
Material & Plate	-	Stainless Steel, Buffing	
Cable Specification	-	ø5.4 x 4p x 3M (Urethane)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	Without Limit	



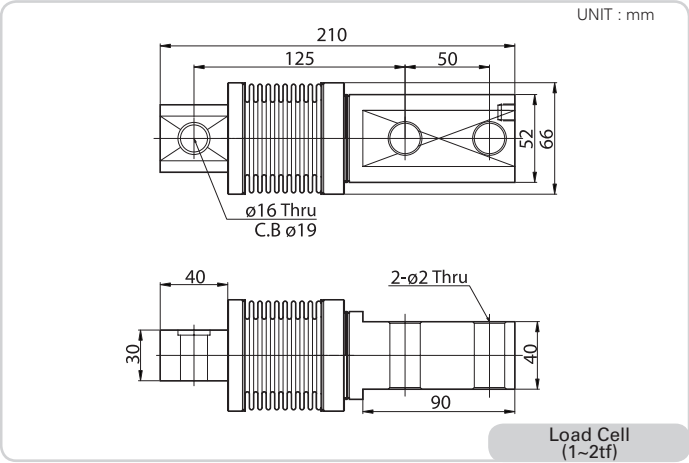
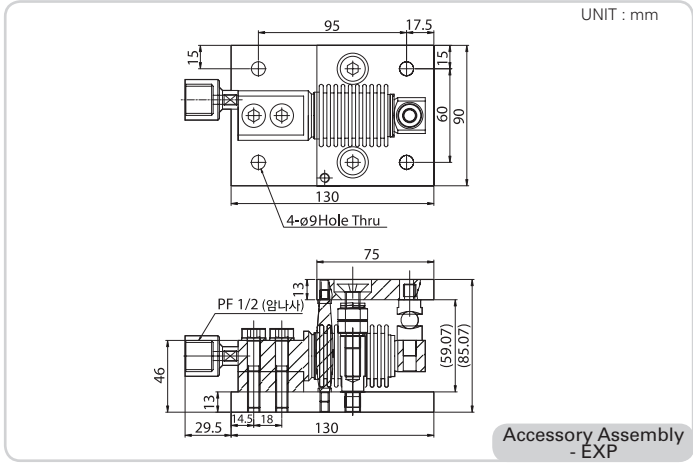
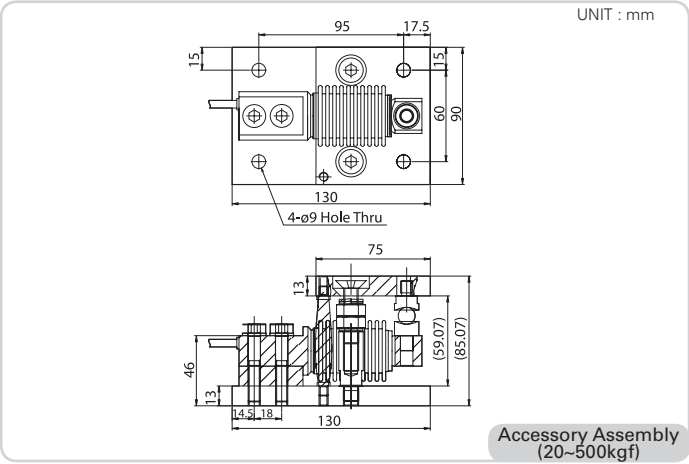
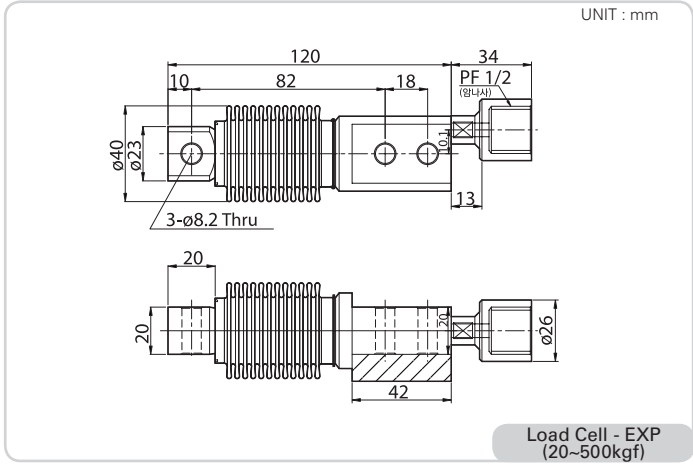
DIMENSION



HBS

Bending Beam Load Cell

DIMENSION



BSA

Shear Beam Load Cell

P/F

Hopper

Tank

BSA

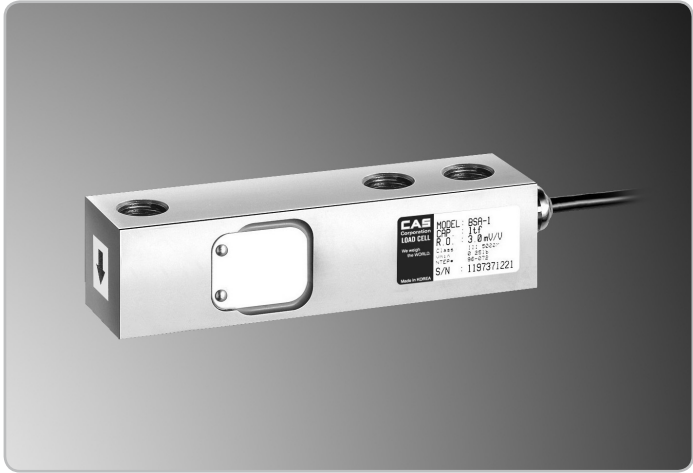
Shear Beam Load Cell

P/F

Hopper

Tank

● LOAD CELL



● FEATURES

- OIML C3 approved (OIML R60)
- Protection Class IP66
- Option : Imperial ver.
- Option : Tend ver.

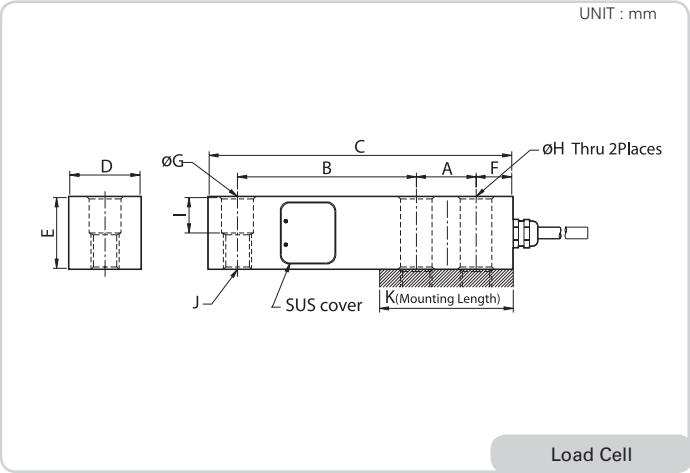
● ACCESSORY OPTION

- Bolt type_TW (Low : 500~2K, High : 3K~5K)
- Ball & Safety guide bar type_TWE (Low : 500~2K, High : 3K~5K)
- BSA - Pivot end Loading ver. (Low : 250~2K)

● SPECIFICATION

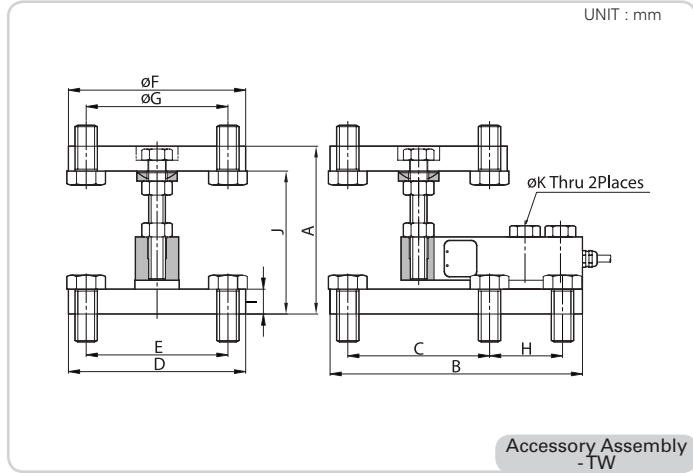
Max. Capacity (Rated Load)	kgf	250, 500, 1K, 2K, 3K, 5K	
Rated Output	mV / V	3.0 ± 0.0075	
Zero Balance	mV / V	0.0 ± 0.03	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.03	0.025
Hysteresis	% R.O.	0.03	0.025
Combined Error	% R.O.	0.03	0.025
Repeatability	% R.O.	0.01	0.01
Creep for 30min.	% R.O.	0.03	0.017
Return for 30min.	% R.O.	0.03	0.017
Resolution	-	≤1/3000	≤1/4000
Division	mV / V	0.001	0.00075
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.028	0.014
Output Value	% / 10℃	0.015	0.011
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	350 ± 3.5	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-30 to +80	
Material & Plate	-	Nickel Plated Steel	
Cable Specification	-	ø5.4 x 4p x 5M (Urethane)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	Without Limit	

● DIMENSION

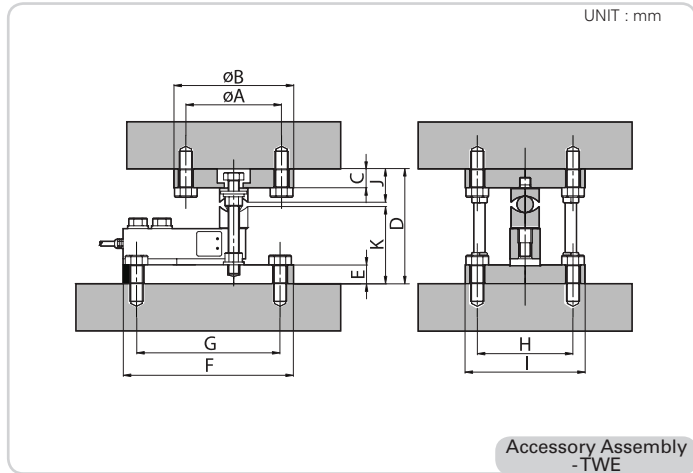


Capa.	A	B	C	D	E	F	G	H	I	J	K
250kgf	25.4	76.2	130	32	32	15.8	13.5	13.5	16	M12 X 1.75	52
500kgf											
1tf											
2tf											
3tf	38.1	95.3	171.5	38	38	19	20	20	19	M18 X 1.5	76.2
5tf											

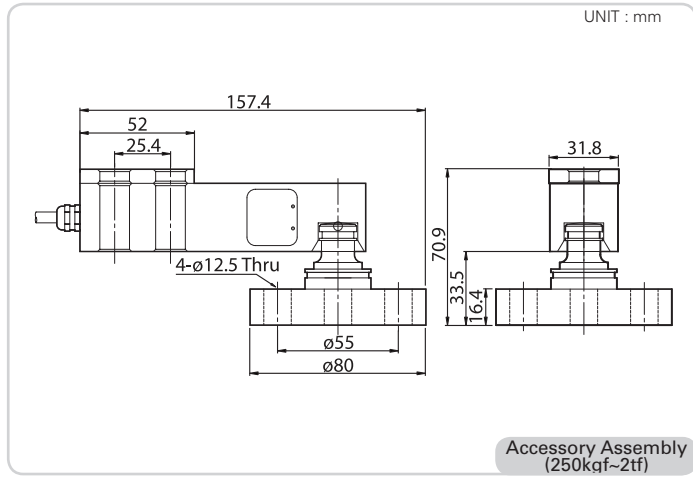
● DIMENSION



Capa.	A	B	C	D	E	F	G	H	I	J	K
250kgf	101.6 ~114.3	180.9	101.6	101.6	101.6	127	101.6	52.3	178	83.8 ~96.5	M16
500kgf											
1tf											
2tf											
3tf	127.0 ~140.0	215.9	101.6	101.6	101.6	127	101.6	82.5	23.9	103.1 ~116.1	M16
5tf											



Capa.	A	B	C	D	E	F	G	H	I	J	K	L
250kgf	101.6	127	20	121.8	20	180.9	152.3	101.6	127	35	81.4	M16
500kgf												
1tf												
2tf												
3tf	101.6	127	26	154.6	24	215.9	184.1	101.6	127	45	94.6	M16
5tf												



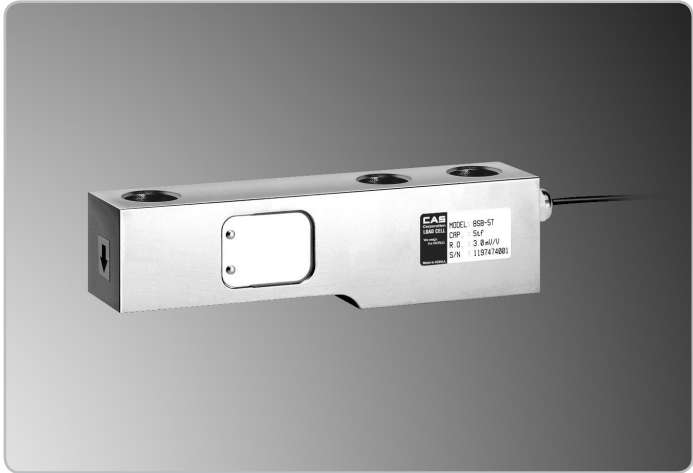
BSB

Shear Beam Load Cell

BSB

Shear Beam Load Cell

LOAD CELL



FEATURES

- Protection Class IP66
- Mechanical protection with SUS cover
- Integral mounting space

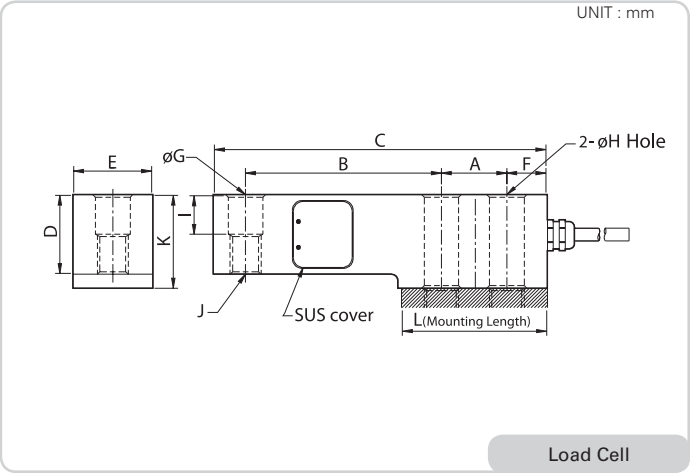
ACCESSORY OPTION

- Bolt type_TW (Low : 500~2K, High : 3K~5K)
- Ball & Safety guide bar type_TWE (Low : 500~2K, High : 3K~5K)

SPECIFICATION

Max. Capacity (Rated Load)	kgf	500, 1K, 2K, 3K, 5K, 10K
Rated Output	mV / V	3.0 ± 0.0075
Zero Balance	mV / V	0.0 ± 0.030
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤ 1/3000
Division	mV / V	0.001
Temperature Effect on	-	-
Zero Value	% / 10℃	0.028
Output Value	% / 10℃	0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-30 to +80
Material & Plate	-	Nikel Plated Steel
Cable Specification	-	ø5.4 x 4p x5M (Urethane-Jacket)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	4-Point Platform Type

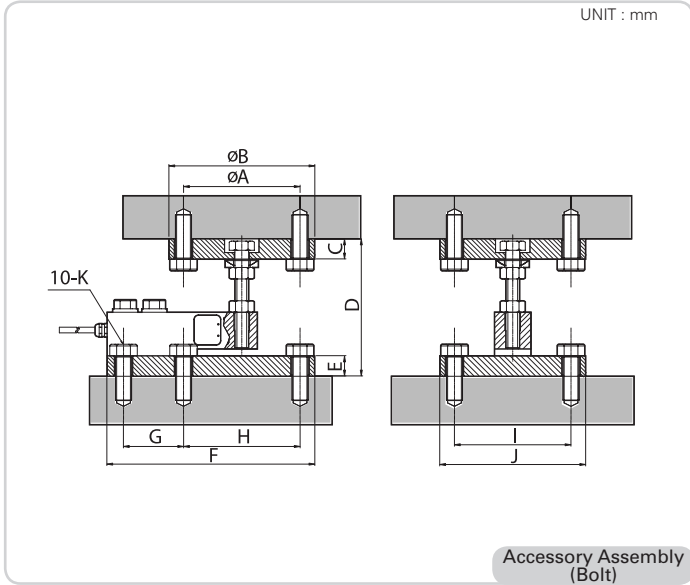
DIMENSION



Capa.	A	B	C	D	E	F	G	H	I	J	K	L
500	25.4	76.2	130	32	32	15.8	13.5	13.5	16	M12 X 1.75	38	57
1K												
2K												
3K	38.1	95.3	171.5	38	38	19	20	20	19	M18 X 1.5	44.5	76
5K	50.8	120.7	223.3	50.8	50.8	26.4	26.2	26.2	25.4	M24 X 2.0	57.2	101
10K												



DIMENSION



Capa.	A	B	C	D	E	F	G	H	I	J	K
500	102	127	178	114.8 ~ 119.8	17.8	180.9	52.3	101.6	101.6	127	M16
1K											
2K											
3K	102	127	23.9	135.9 ~ 143.9	23.9	215.9	82.5	101.6	101.6	127	M16
5K											

ACCESSORY FEATURES

- Loading bolt type
- Safety structure

MANUAL

- Base, Load Cell, Loading Bolt, Upper are assembled in sequence
- While installing the loadcell the surface level should be checked
- CAUTION: The Loading Bolt has to be under the Upper Plate

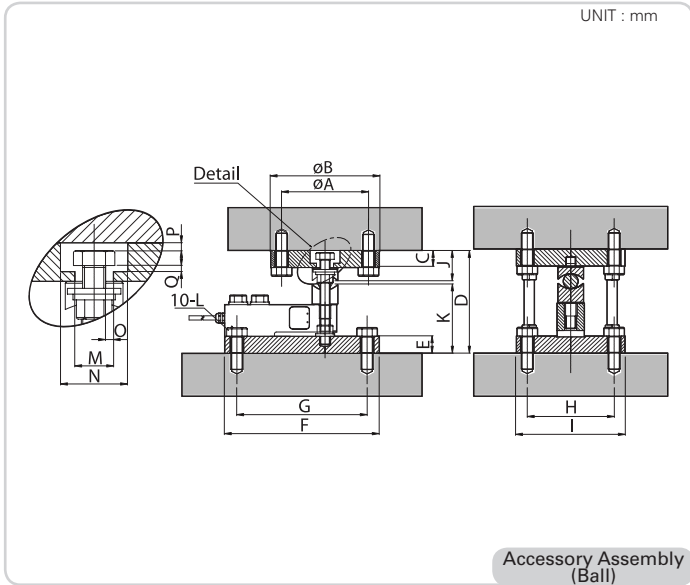


ACCESSORY FEATURES

- Ball type
- High resolution
- Easy replacement

MANUAL

- Rise the Upper Plate by using the supporters at both sides and join it with the Base Plate
- Untie the upper bolt of the supporter and place the Upper ball cup over the steel Ball
- Check the level of the load cell

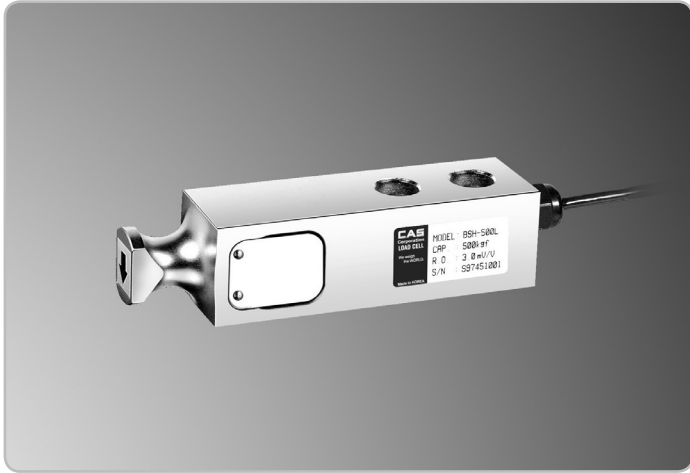


Capa.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
500	102	127	20	120	20	180.9	152.3	102	127	35	80	M16	20	40	4	2.8	4.6
1K																	
2K																	
3K	102	127	26	150	24	215.9	184.1	102	127	45	89.5	M16	28	46	5	2.5	4.5
5K																	

BSH

Shear Beam Load Cell

● LOAD CELL

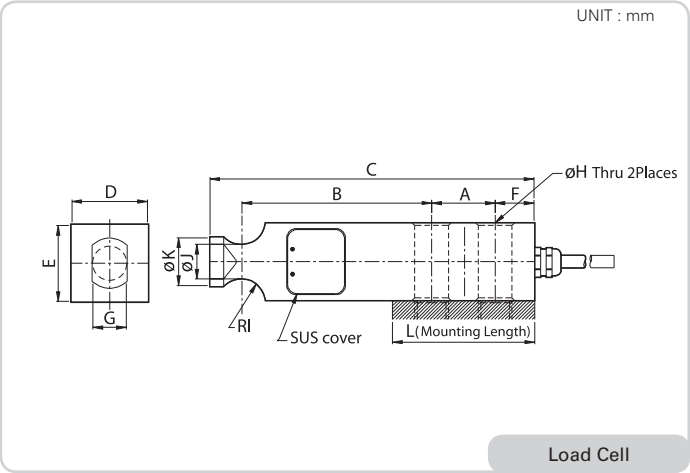


- FEATURES
- Hammer head shear beam
 - Link beam application
 - Protection Class IP66
- ACCESSORY OPTION
- No accessory

● SPECIFICATION

Max. Capacity (Rated Load)	kgf	500, 1K, 2K, 3K, 5K
Rated Output	mV / V	3.0 ± 0.0075
Zero Balance	mV / V	0.0 ± 0.03
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	<1/3000
Division	mV / V	0.001
Temperature Effect on	-	-
Zero Value	% / 10℃	0.028
Output Value	% / 10℃	0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	420 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-30 to +80
Material & Plate	-	Nikel Plated Steel
Cable Specification	-	ø5.4 x 4p x5M (Urethane)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	Without Limit

● DIMENSION



Capa.	A	B	C	D	E	F	G	H	I	J	K	L
500	25.4	76.2	130	32	32	15.8	15.8	13.5	11.2	15.2	23.4	52
1K												
2K												
3K	38.5	93.5	171.5	38	38	19	22.9	20	14.2	21.8	30.5	76.2
5K												



BSS

Stainless Shear Beam Load Cell

● LOAD CELL



- FEATURES
- OIML C3 approved (OIML R60)
 - Option : Ex s II T4 approved
 - Protection Class IP67
- ACCESSORY OPTION
- Loading bolt type accessory
 - Ballcup type accessory

● SPECIFICATION

Max. Capacity (Rated Load)	kgf	500, 1K, 2K, 3K, 5K	
Rated Output	mV / V	2.0 ± 0.005	
Zero Balance	mV / V	0.0 ± 0.02	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.03	0.025
Hysteresis	% R.O.	0.03	0.025
Combined Error	% R.O.	0.03	0.025
Repeatability	% R.O.	0.01	0.01
Creep for 30min.	% R.O.	0.03	0.017
Return for 30min.	% R.O.	0.03	0.017
Resolution	-	<1/3000	<1/4000
Division	mV / V	0.0067	0.005
Temperature Effect on	-	-	
Zero Value	% / 10℃	0.028	
Output Value	% / 10℃	0.015	
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	350 ± 3.5	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-30 to +80	
Material & Plate	-	Stainless Steel	
Cable Specification	-	ø5.4 x 4p x 5M (Urethane)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	Without Limit	

BSS

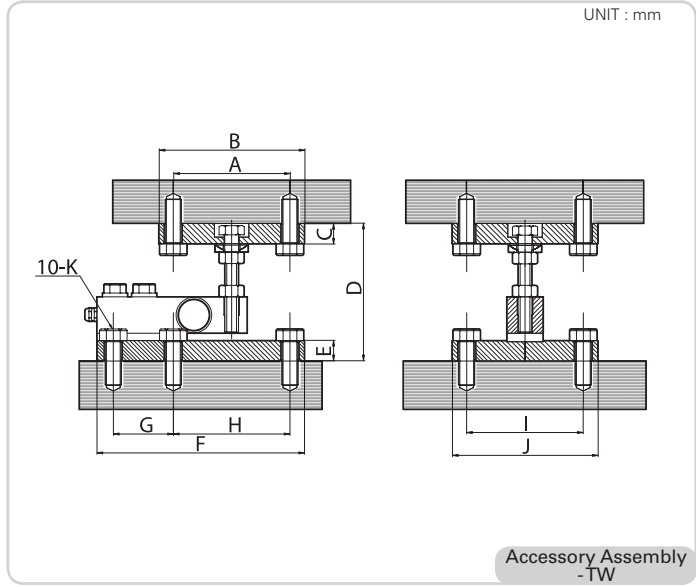
Stainless Shear Beam Load Cell

P/F

Hopper

Tank

● DIMENSION



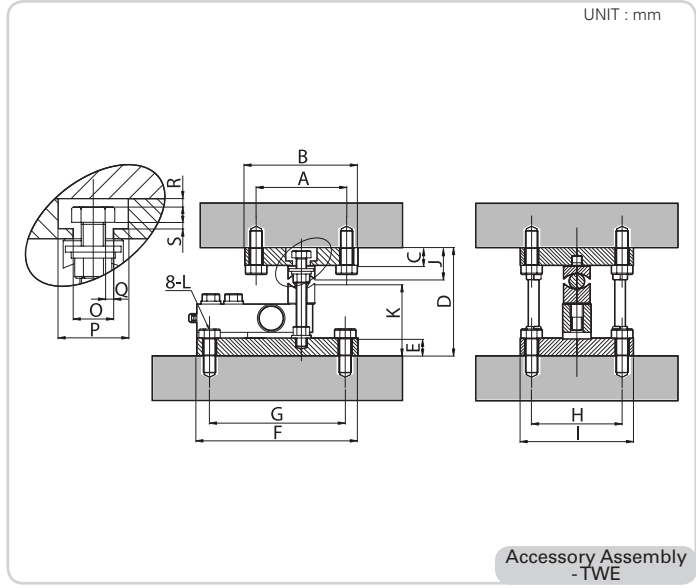
Capa.	A	B	C	D	E	F	G	H	I	J	K
500	101.6	127	178	115.9~123.9	178	180.9	52.3	101.6	101.6	127	M16
1K											
2K											
3K	101.6	127	23.9	136~144	23.9	215.9	82.5	101.6	101.6	127	M16
5K											

● ACCESSORY FEATURES

- Loading bolt type
- Safety structure

● MANUAL

- Base, Load Cell, Loading Bolt, Upper are assembled in sequence
- While installing the loadcell the surface level should be checked
- CAUTION: The Loading Bolt has to be under the Upper Plate



Capa.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
500	102	127	20	122	20	180.9	152.3	102	127	35	81.1	M16	20	40	4	3.8	3.2
1K																	
2K																	
3K	102	127	26	154	24	215.9	184.1	102	127	45	94.3	M16	28	46	5	3.6	3.4
5K																	

● ACCESSORY FEATURES

- Ball type
- High resolution
- Easy replacement

● MANUAL

- Rise the Upper Plate by using the supporters at both sides and join it with the Base Plate
- Untie the upper bolt of the supporter and place the Upper ball cup over the steel Ball
- Check the level of the load cell

BSS

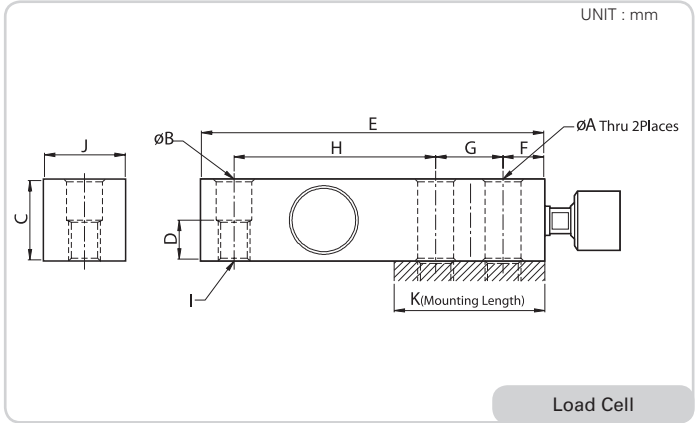
Stainless Shear Beam Load Cell

P/F

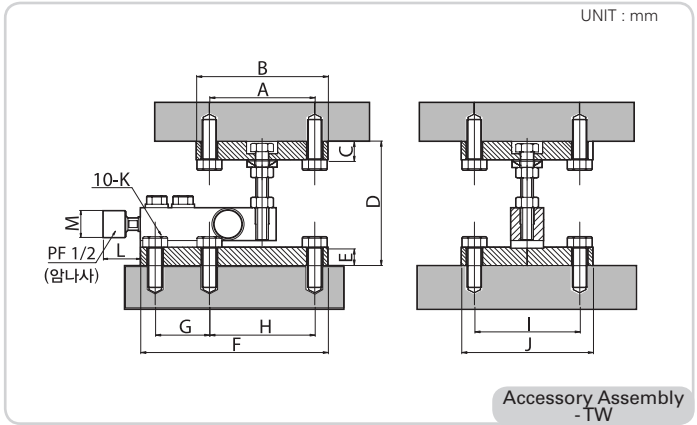
Hopper

Tank

● DIMENSION



Capa.	A	B	C	D	E	F	G	H	I	J	K
500	13.5	13.5	31.7	15.8	130	15.8	25.4	76.2	M12 X 1.75	31.7	52
1K											
2K											
3K	20	20	38.1	19.1	171.5	19	38.1	95.3	M18 X 1.5	38.1	76.2
5K											



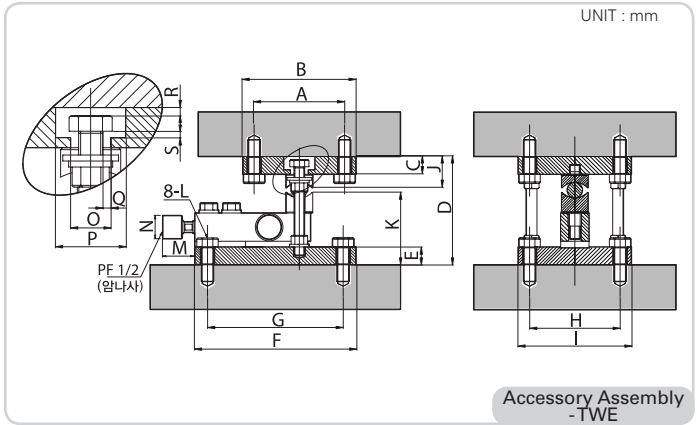
Capa.	A	B	C	D	E	F	G	H	I	J	K	L	M
500	101.6	127	178	115.9~123.9	17.8	180.9	52.3	101.6	101.6	127	M16	36	26
1K													
2K													
3K	101.6	127	23.9	136~144	23.9	215.9	82.5	101.6	101.6	127	M16	36	26
5K													

● ACCESSORY FEATURES

- Loading bolt type
- Safety structure

● MANUAL

- Base, Load Cell, Loading Bolt, Upper are assembled in sequence
- While installing the loadcell the surface level should be checked
- CAUTION: The Loading Bolt has to be under the Upper Plate



Capa.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
500	102	127	20	122	20	181	152	102	127	35	81.1	M16	36	26	20	40	4	3.8	3.2
1K			26	154	24	216	184	102	127	45	94.3	M16	36	26	28	46	5	3.6	3.4
2K																			
3K																			
5K	102	127	26	154	24	216	184	102	127	45	94.3	M16	36	26	28	46	5	3.6	3.4

● ACCESSORY FEATURES

- Ball type
- High resolution
- Easy replacement

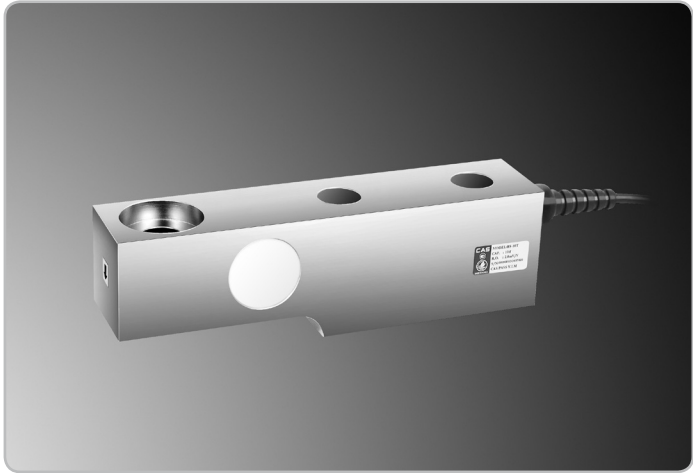
● MANUAL

- Rise the Upper Plate by using the supporters at both sides and join it with the Base Plate
- Untie the upper bolt of the supporter and place the Upper ball cup over the steel Ball
- Check the level of the load cell

BS

Shear Beam Load Cell

● LOAD CELL



● FEATURES

- Low price high accuracy
- Protection Class IP65

● ACCESSORY OPTION

- Loading bolt type accessory
- Ballcup type accessory

● SPECIFICATION

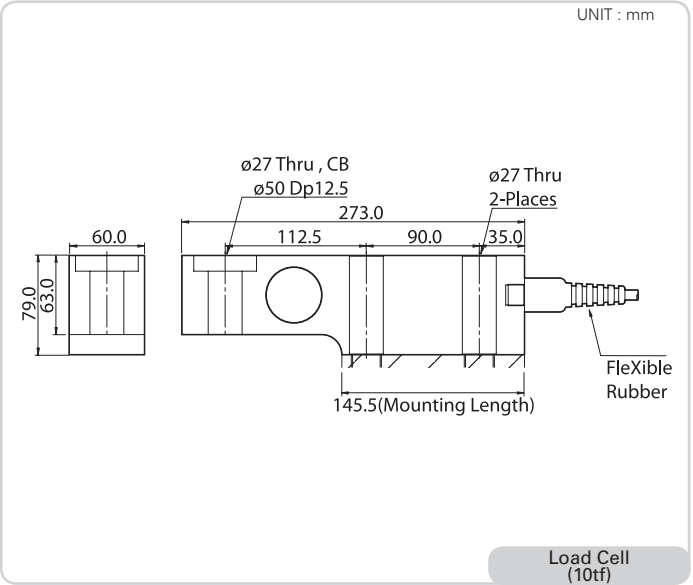
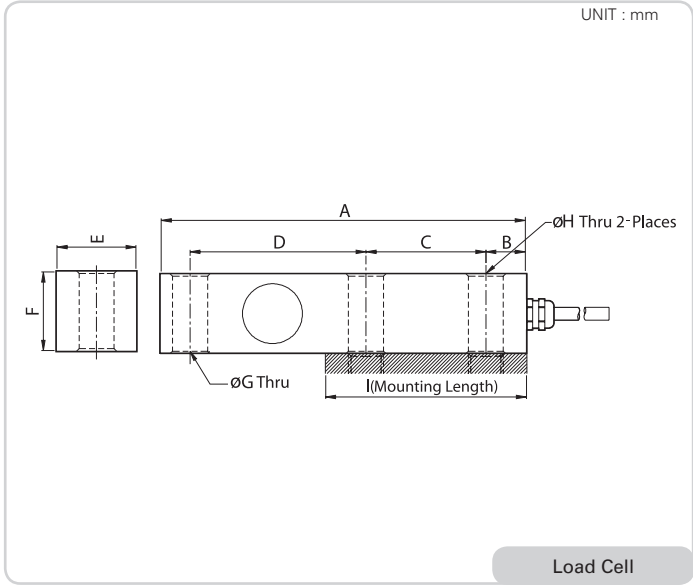
Max. Capacity (Rated Load)	kgf	250, 500	1K, 2K, 3K, 5K, 10K
Rated Output	mV / V	1.5 ± 0.0037	2.0 ± 0.005
Zero Balance	mV / V	0.0 ± 0.015	0.0 ± 0.02
Accuracy Class	-	-	
Non-Linearity	% R.O.	0.03	
Hysteresis	% R.O.	0.03	
Combined Error	% R.O.	0.03	
Repeatability	% R.O.	0.01	
Creep for 30min.	% R.O.	0.03	
Return for 30min.	% R.O.	0.03	
Resolution	-	≤1/3000	
Division	mV / V	0.0005	0.00067
Temperature Effect on	-	-	
Zero Value	% / 10℃	0.028	
Output Value	% / 10℃	0.015	
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	400 ± 20	
Output	Ω	350 ±5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-20 to +80	
Material & Plate	-	Nikel Plated Steel	
Cable Specification	-	ø5.4 x 4p x3M (Urethane)	
Safety Overload	%R.L.	150	
Platform Size	mm	Without Limit	



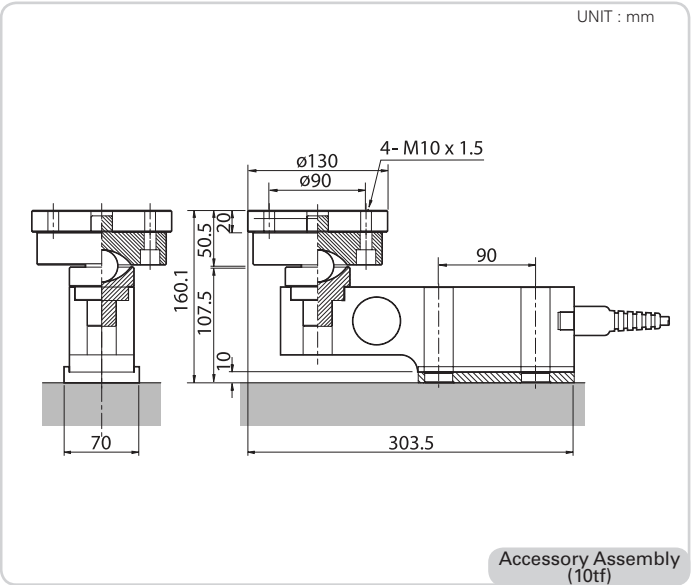
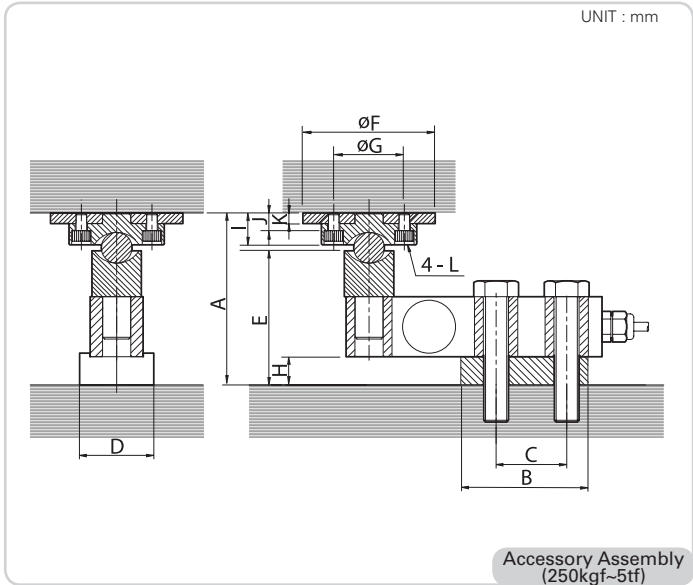
BS

Stainless Shear Beam Load Cell

● DIMENSION



Capa.	A	B	C	D	E	F	G	H	I
250kgf	145.0	20.0	40.0	72.0	34.0	30.0	16.0	14.5	80.0
500kgf									
1tf									
2tf									
5tf	205.0	25.0	55.0	105.0	48.0	38.0	20.5	20.5	105.0

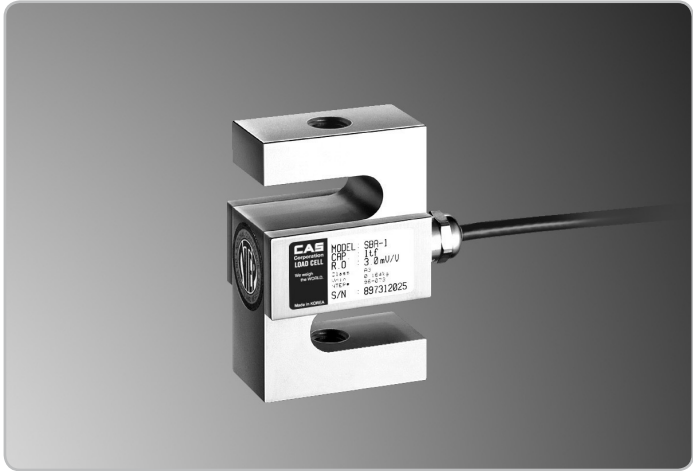


Capa.	A	B	C	D	E	F	G	H	I	J	K	L
250kgf	97.4	72.0	40.0	42.0	76.0	75.0	40.0	16.0	18.0	10.0	6.0	M6 X 1.0
500kgf												
1tf												
2tf												
5tf	134.0	100.0	55.0	48.0	84.0	100.0	50.0	16.0	40.0	25.0	15.0	M10 X 1.5

SBA

S-Beam Load Cell

● LOAD CELL



- FEATURES
- OIML C3 Approved (OIML R60)
 - Compatible with other sources
 - Protection Class IP65.
 - Tension type load cell
 - Option: Pound (LB) ver.
- ACCESSORY OPTION
- Rod End (25~100kg : M6 x 1.0)
 - Rod End (200~1000kg : M12 x 1.75)
 - Rod End (2000~5000kg : M18 x 1.5)

● SPECIFICATION

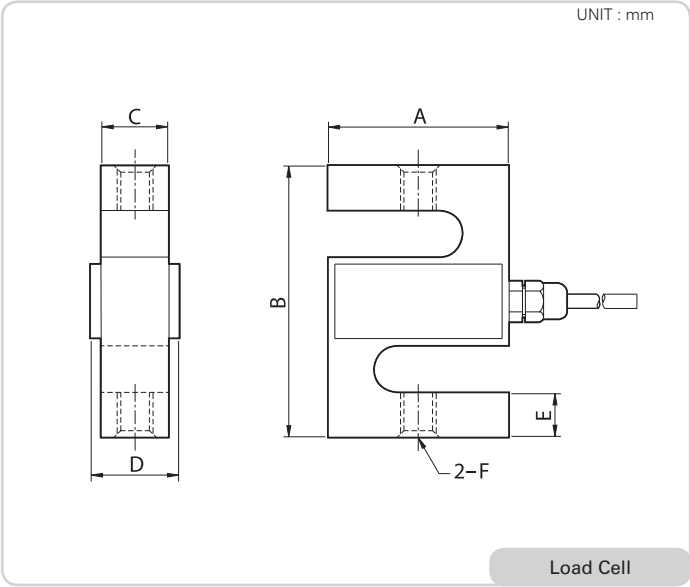
Max. Capacity (Rated Load)	kgf	25, 50, 100, 200, 500, 1K, 2K, 3K, 5K	
Rated Output	mV / V	3.0 ± 0.3	
Zero Balance	mV / V	0.0 ± 0.03	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.03	0.02
Hysteresis	% R.O.	0.03	0.02
Combined Error	% R.O.	0.03	0.02
Repeatability	% R.O.	0.01	0.01
Creep for 30min.	% R.O.	0.03	0.017
Return for 30min.	% R.O.	0.03	0.017
Resolution	-	≤1/3000	≤1/5000
Division	mV / V	0.00067	0.0004
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.028	0.014
Output Value	% / 10℃	0.015	0.011
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	400 ± 25	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-30 to +80	
Material & Plate	-	Nickel Plated steel	
Cable Specification	-	ø5.4 x 4p x 3M (Urethane - Jacket)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	No Platform Type	

SBA

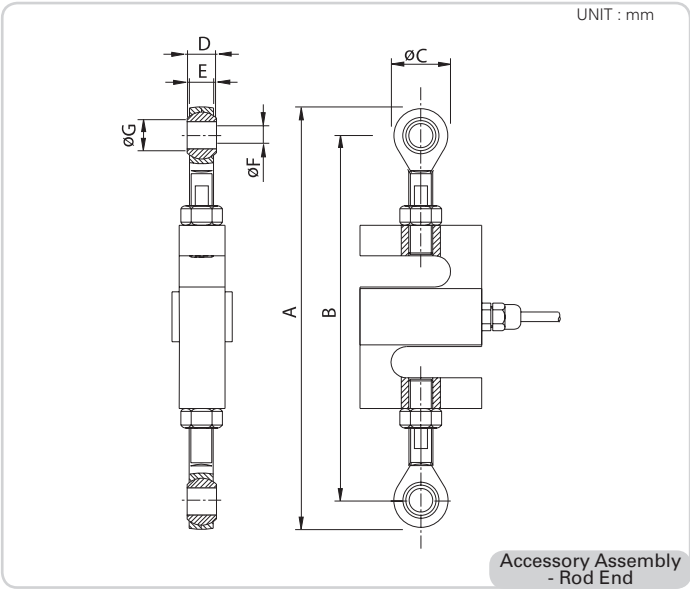
S-Beam Load Cell



● DIMENSION



Capa.	A	B	C	D	E	F
25	50.8	63.5	12.7	20	10.3	M6 X 1.0
50						
100						
200						
500	51	76	19	27	12.6	M12 X 1.75
1K	51	76	25.4	33	12.6	M12 X 1.75
2K	77	108	25.4	33	19	M18 X 1.5
3K						
5K	77	108	25.4	33	19.5	M18 X 1.5



- ACCESSORY FEATURES
- Over Load under 150%
 - Easy Rod End installation
 - Bearing included structure
- MANUAL
- Install the Rod End on the upper and bottom side of the Load Cell
 - Do not insert the Rod End until the end
 - The Rod End should be in a perpendicular with the force direction of the Load Cell

Capa.	A	B	C	D	E	F	G
25	134.1 (Max)	115.6	18.5	9	6.8	9	12
50							
100							
200	211.1	177.1	34	16	12	12	15.4
500							
1K							
2K	318	258	60	23	22	18	21.9
3K							
5K	317	257	60	23	22	18	21.9

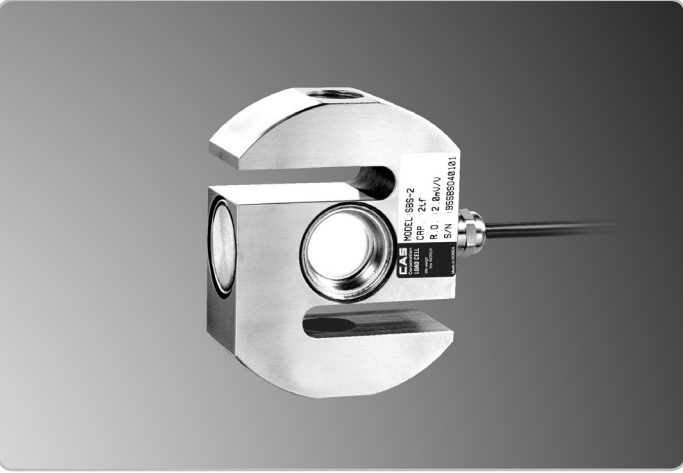
SBS

Stainless S-Beam Load Cell

SBS

Stainless S-Beam Load Cell

LOAD CELL



FEATURES

- Stainless steel
- Protection Class IP67
- Option - Ex ia IIC T6
- Tension type load cell

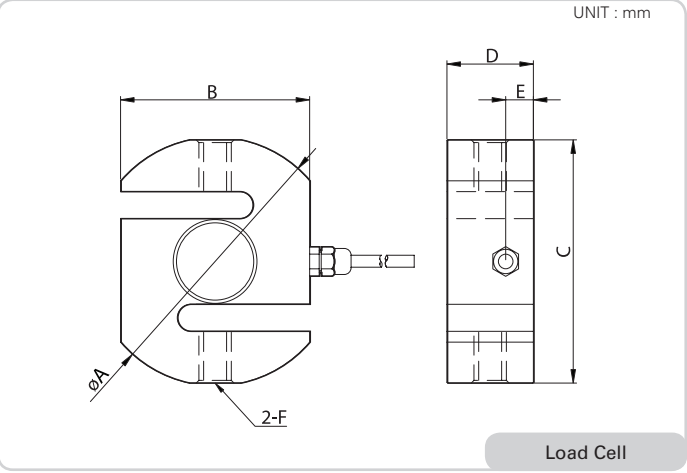
ACCESSORY OPTION

- Rod End (500kg : M12 x 1.75)
- Rod End (1K~2K : M18 x1.5)
- Rod End (5K : M18 x1.5)

SPECIFICATION

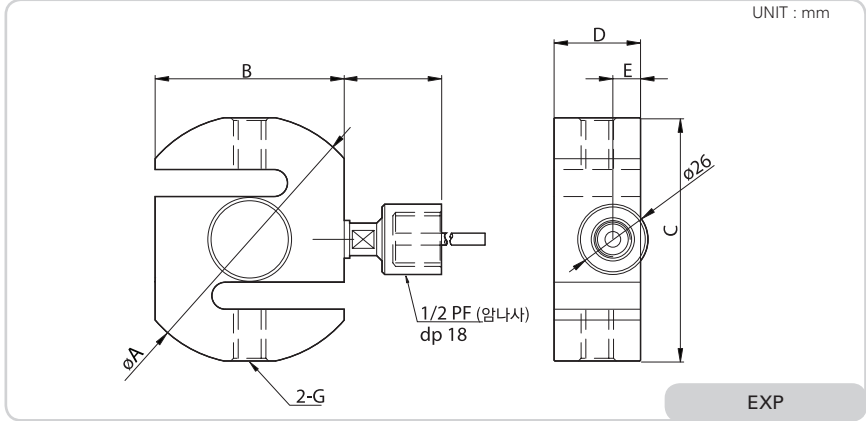
Max. Capacity (Rated Load)	kgf	500, 1K, 2K, 5K
Rated Output	mV / V	2.0 ± 0.002
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	-
Non-Linearity	% R.O.	0.05
Hysteresis	% R.O.	0.05
Combined Error	% R.O.	0.05
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/2000
Division	mV / V	0.001
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.014
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	400 ± 25
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-30 to +80
Material & Plate	-	Stainless Steel (Buffing)
Cable Specification	-	ø5.4 x 4p x5M (Urethane-Jacket, EXP:Gray)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

DIMENSION

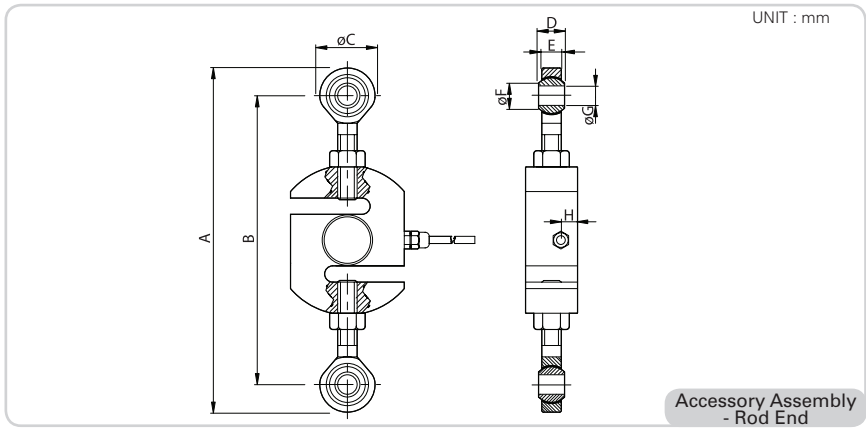


Capa.	A	B	C	D	E	F
500	92	70	90	32	10.3	M12 X 1.75
1000						M18 X 1.5
2000						
5000	130	100	120.0	45.0	15.0	M24 X 2.0

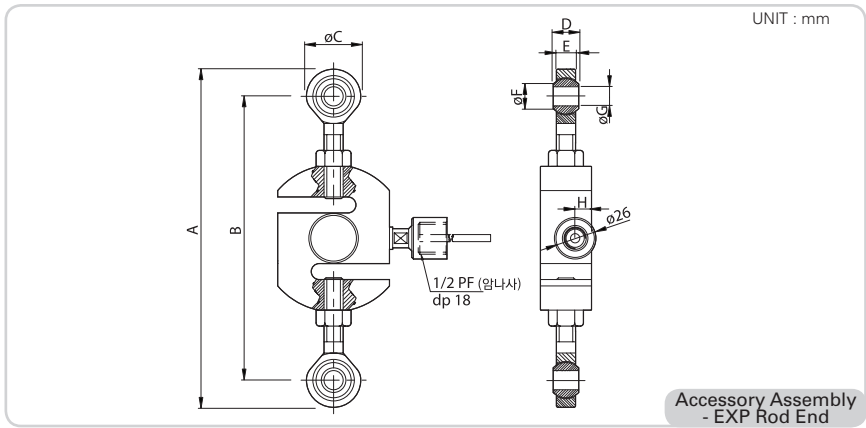
DIMENSION



Capa.	A	B	C	D	E	F	G
20	92	70	90	32	10.3	36	M12 X 1.75
50	92	70	90	32	10.3	36	M18 X 1.5
75							M24 X 2.0
100	130	100	120	45	15	36	



Capa.	A	B	C	D	E	F	G	H
500	212	178	34	16	12	15.4	12	10.3
1000	299.7 (Max)	239.7 (Max)	60	23	22	21.9	18	10.3
2000								
5000	490	388	102	28	27	25.8	22	15



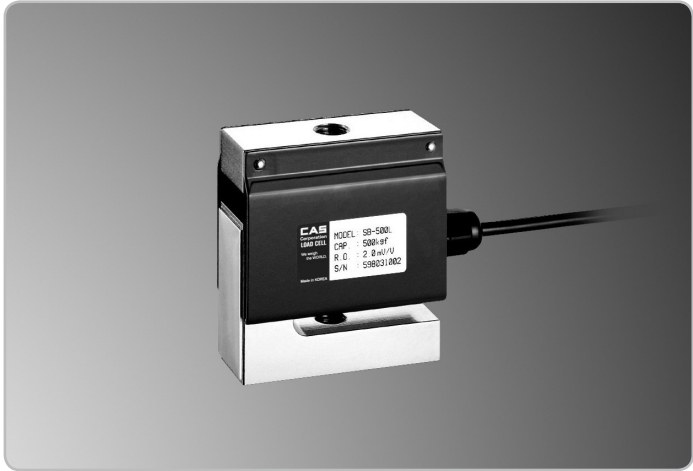
Capa.	A	B	C	D	E	F	G	H
500	212	178	34	16	12	15.4	12	10.3
1000	299.7 (Max)	239.7 (Max)	60	23	22	21.9	18	10.3
2000								
5000	490	388	102	28	27	25.8	22	15

SB

S-Beam Load Cell



● LOAD CELL



● FEATURES

- Fully environmental protection
- Mechanical protection with steel cover
- Different in element material
 - Anodized aluminum (20kg~250kg)
 - Nickel plated steel (500kg~2tf)
- Tension type load cell

● ACCESSORY OPTION

- Rod End (2~500 : M12 x 1.75)
- Rod End (1K~2K : M18 x1.5)

● SPECIFICATION

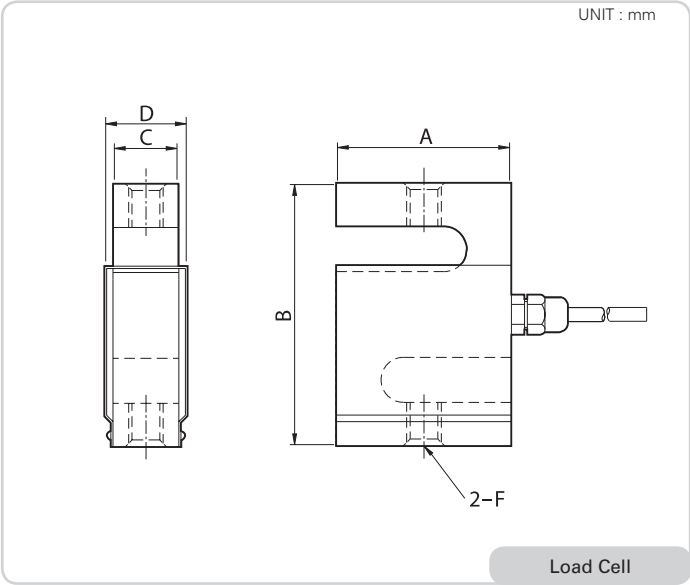
Max. Capacity (Rated Load)	kgf	20, 50, 75, 100, 200, 250, 500, 1K, 2K
Rated Output	mV / V	2.0 ± 0.005
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/3000
Division	mV / V	0.00067
Temperature Effect on	-	-
Zero Value	% / 10℃	0.028
Output Value	% / 10℃	0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	430 ± 40
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-30 to +80
Material & Plate	-	Anodized Aluminum, Nickel Plated Steel
Cable Specification	-	ø5.4 x 4p x 3M (Urethane-Jacket)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

SB

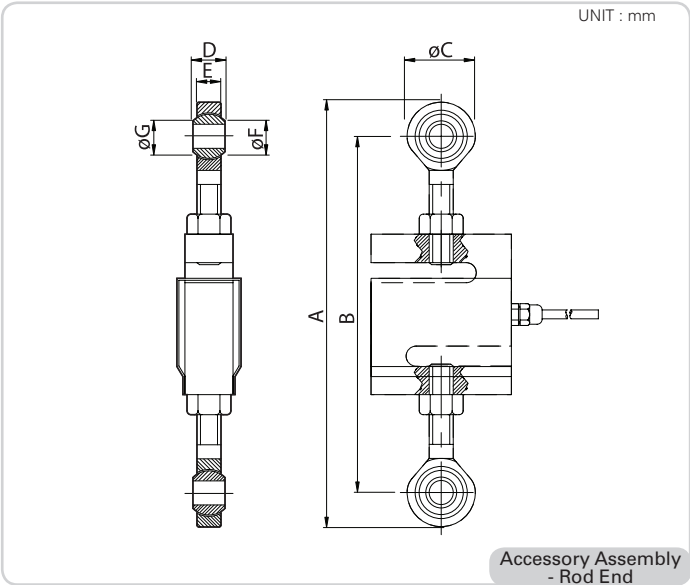
S-Beam Load Cell



● DIMENSION



Capa.	A	B	C	D	F
20	70	80	24	32	M12 X 1.75
50					
75					
100					
200					
250	80	100	30	38	M18 X 1.5
500					
1K					
2K					



● ACCESSORY FEATURES

- Over load under 150%
- Easy Rod End installation
- Bearing included structure

● MANUAL

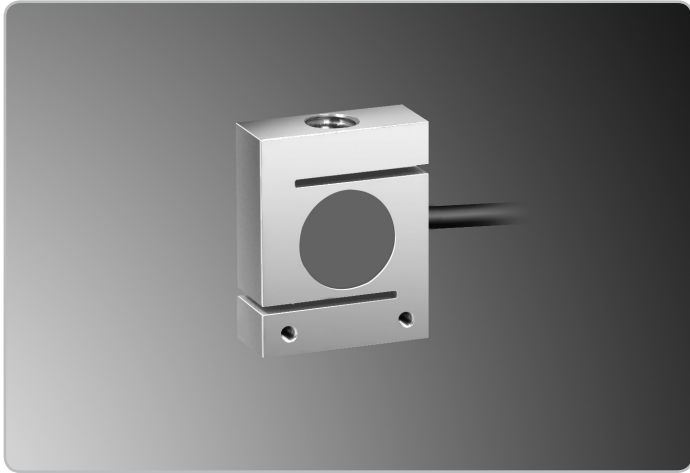
- Install the Rod End on the upper and bottom side of the Load Cell
- Do not insert the Rod End until the end
- The Rod End should be in a perpendicular with the force direction of the Load Cell

Capa.	A	B	C	D	E	F	G
20	211.6 (Max)	177.6 (Max)	34	16	12	12	15.4
50							
75							
100							
200							
250	308.6 (Max)	248.6 (Max)	60	23	22	18	21.9
500							
1K							
2K							

SBAS-10L

Miniature S-Beam Load Cell

● LOAD CELL



● FEATURES

- Miniature load cell
- Mechanical protection with steel cover
- Tension type load cell

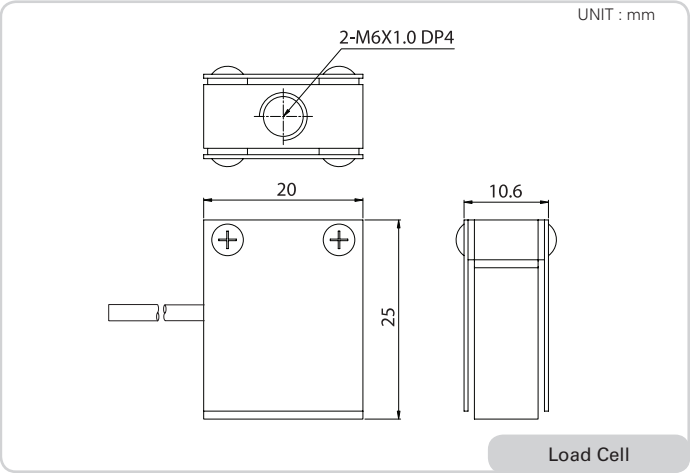
● ACCESSORY OPTION

- No Accessory

● SPECIFICATION

Max. Capacity (Rated Load)	kgf	10
Rated Output	mV / V	1.2 ± 0.12
Zero Balance	mV / V	0.0 ± 0.05
Accuracy Class	-	-
Non-Linearity	% R.O.	0.05
Hysteresis	% R.O.	0.05
Combined Error	% R.O.	0.05
Repeatability	% R.O.	0.02
Creep for 30min.	% R.O.	0.05
Return for 30min.	% R.O.	0.05
Resolution	-	≤1/2000
Division	mV / V	0.0006
Temperature Effect on	-	-
Zero Value	% / 10℃	0.028
Output Value	% / 10℃	0.014
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	420 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +70
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø3 x 4p x 1M (Urethane-Jacket)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

● DIMENSION



Crane

CC

Canister Load Cell

● LOAD CELL



● FEATURES

- Tension load cell
- Hermetically sealed

● ACCESSORY OPTION

- Rod End (20~1K : M12 x 1.25)
- Rod End (2K~5K : M24 x 2.0)
- Rod End (10K : M39 x 2.0)
- Rod End (20K : M50 x 2.0)

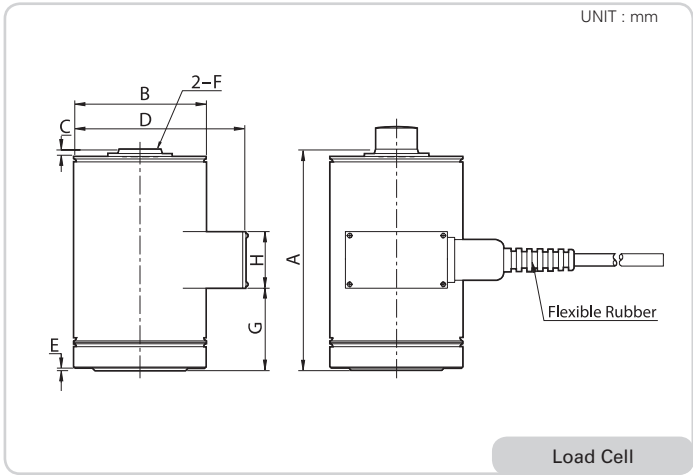
● SPECIFICATION

Max. Capacity (Rated Load)	kgf	20, 50, 100, 200, 300, 500, 1K, 2K, 3K, 5K, 10K, 20K	
Rated Output	mV / V	3.0 ± 0.003	
Zero Balance	mV / V	0.0 ± 0.03	
Accuracy Class	-	A	B
Non-Linearity	% R.O.	0.02	0.05
Hysteresis	% R.O.	0.02	0.05
Combined Error	% R.O.	0.02	0.05
Repeatability	% R.O.	0.01	0.02
Creep for 30min.	% R.O.	0.03	0.03
Return for 30min.	% R.O.	0.03	0.03
Resolution	-	≤1/5000	≤1/2000
Division	mV / V	0.0006	0.0015
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.03	0.03
Output Value	% / 10℃	0.03	0.03
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	350 ± 3.5	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-20 to +80	
Material & Plate	-	Paint Finished steel	
Cable Specification	-	ø8 x 4p x 5M & ø8 x 4p x 10M (P.V.C - Jacket)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	No Platform Type	

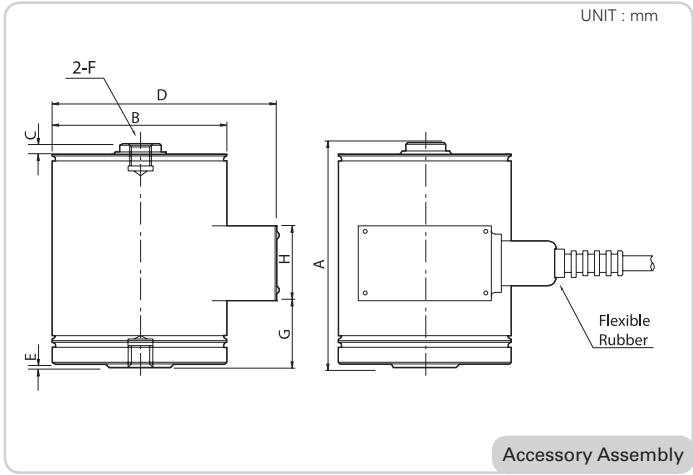
CC

Canister Load Cell

● DIMENSION



Capa.	A	øB	C	D	E	F	G	H	Cable(m)
20	115	89	6	115	1.5	M12 X 1.25	38.5	38	5
50									
100									
200	115	89	5	115	1.5	M12 X 1.25	35	38	
300									
500									
1K	148	89	9	115	1	M24 X 2.0	55	38	
2K									
3K									
5K	215	127	12	152	1.6	M39 X 2.0	75.6	38	10
10K									
20K									
	290	165	15	193	1.6	M50 X 2.0	107.6	38	

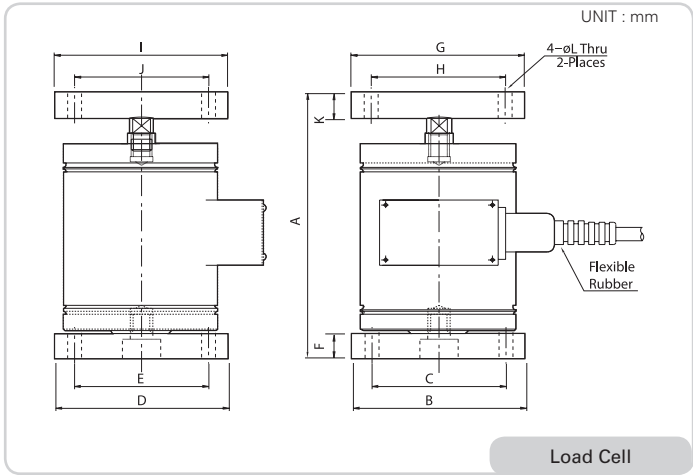


Capa.	A	B	C	D	E	F	G	H	I	J	K	øL	Cable(m)
20	153.7	100	77	100	77	15	100	77	100	77	15	8	5
50													
100													
200													
300													
500	210.3	130	105	130	105	23	130	105	130	105	23	12	
1K													
2K													
3K													
5K	303	160	125	160	125	30	160	125	160	125	30	14	10
10K													
20K													
	375.5	200	150	200	150	30	200	150	200	150	30	14	

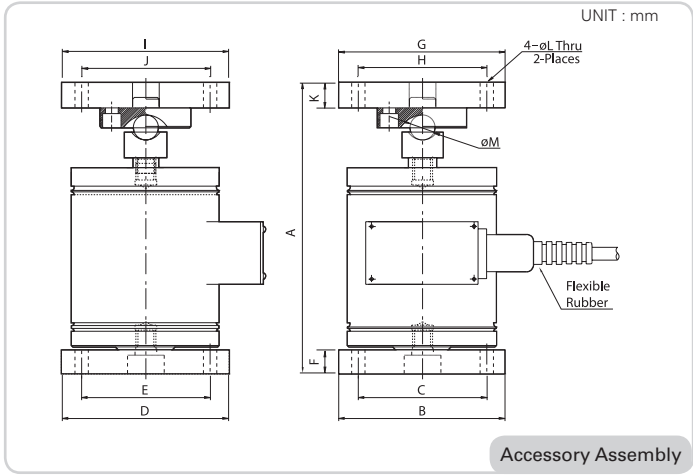
CC

Canister Load Cell

● DIMENSION



Capa.	A	øB	C	D	E	F	G	H	Cable(m)
20	115	89	6	115	1.5	M12 X 1.25	38.5	38	5
50									
100									
200	115	89	5	115	1.5	M12 X 1.25	35	38	
300									
500									
1K	148	89	9	115	1	M24 X 2.0	55	38	
2K									
3K									
5K	215	127	12	152	1.6	M39 X 2.0	75.6	38	
10K									
20K									
	290	165	15	193	1.6	M50 X 2.0	107.6	38	10



Capa.	A	B	C	D	E	F	G	H	I	J	K	øL	øM	Cable(m)
20	175	100	77	100	77	15	100	77	100	77	15	8	15	5
50														
100														
200														
300														
500	252	130	105	130	105	23	130	105	130	105	23	12	30	10
1K														
2K														
3K														
5K	333	160	125	160	125	30	160	125	160	125	30	14	30	10
10K														
20K														
	408	200	150	200	150	30	200	150	200	150	30	14		

CT

Canister Load Cell

LOAD CELL



FEATURES

- Tension load cell
- Hermetically sealed

ACCESSORY OPTION

- Rod End (20~1K : M12 x 1.25)
- Rod End (2K~5K : M24 x 2.0)
- Rod End (10K : M39 x 2.0)
- Rod End (20K : M50 x 2.0)

SPECIFICATION

Max. Capacity (Rated Load)	kgf	20, 50, 100, 200, 300, 500, 1K, 2K, 3K, 5K, 10K, 20K	
Rated Output	mV / V	3.0 ± 0.003	
Zero Balance	mV / V	0.0 ± 0.03	
Accuracy Class	-	A	B
Non-Linearity	% R.O.	0.02	0.05
Hysteresis	% R.O.	0.02	0.05
Combined Error	% R.O.	0.02	0.05
Repeatability	% R.O.	0.01	0.02
Creep for 30min.	% R.O.	0.03	0.03
Return for 30min.	% R.O.	0.03	0.03
Resolution	-	≤1/5000	≤1/2000
Division	mV / V	0.0006	0.0015
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.03	0.03
Output Value	% / 10℃	0.03	0.03
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	350 ± 3.5	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-20 to +80	
Material & Plate	-	Paint Finished steel	
Cable Specification	-	ø8 x 4p x 5M & ø8 x 4p x 10M (P.V.C - Jacket)	
Safety Overload	% R.L.	150% R.L.	
Platform Size	mm	No Platform Type	

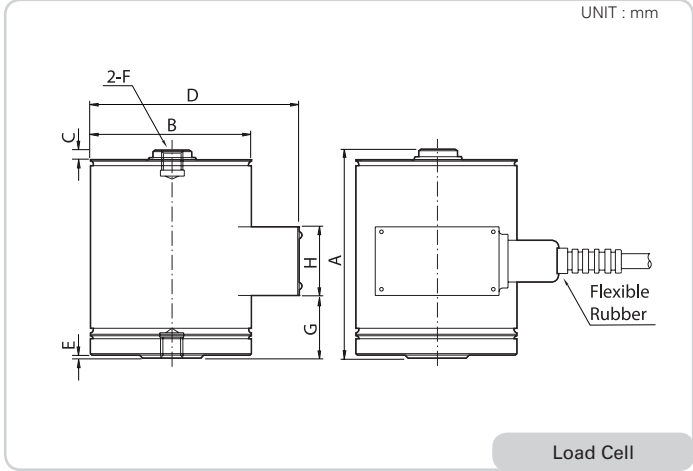


UNIT : mm

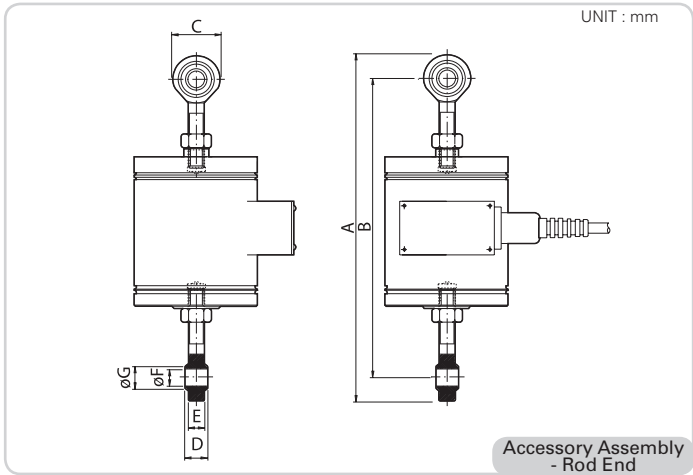
CT

Canister Load Cell

DIMENSION



Capa.	A	B	C	D	E	F	G	H	Cable(m)
20	115	89	6	115	1.5	M12 X 1.25	38.5	38	5
50									
100									
200	115	89	5	115	1.5	M12 X 1.25	35	38	5
300									
500									
1K	148	89	9	115	1	M24 X 2.0	55	38	5
2K									
3K									
5K	215	127	12	152	1.6	M39 X 2.0	75.6	38	10
10K									
20K									
	290	165	15	193	1.6	M50 X 2.0	107.6	38	



ACCESSORY FEATURES

- Bearing included structure
- CAS specification
- Order Made accessories for 20K

MANUAL

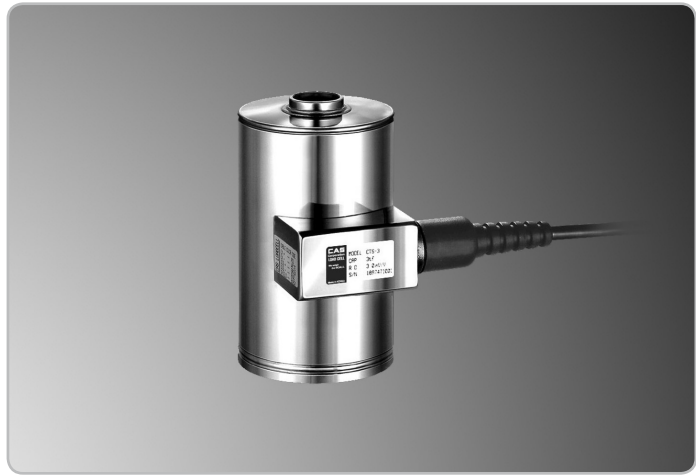
- Install the Rod End on the upper and bottom side of the Load Cell
- Do not insert the Rod End until the end
- The Rod End should be in a perpendicular with the force direction of the Load Cell
- CAS original Rod End is recommended for the application

Capa.	A	B	C	D	E	øF	øG
20	249.0 ~ 254.0	215.0 ~ 220.0	34.0	16.0	12.0	12.0	15.4
50							
100							
200	255.0 ~ 260.0	221.0 ~ 226.0	102.0	28.0	27.0	22.0	25.8
300							
500							
1K	525.0 ~ 530.0	423.0 ~ 428.0	135.0	40.0	38.0	39.0	45.0
2K							
3K							
5K	680.0 ~ 685.0	545.0 ~ 550.0	73.0	28.0	27.0	22.0	25.8
10K							
20K							

CTS

Stainless Canister Load Cell

LOAD CELL



FEATURES

- Tension and compression load cell
- Hermetically sealed
- Stainless steel construction
- High accuracy grade
- Option : Ex ia IIC T6

ACCESSORY OPTION

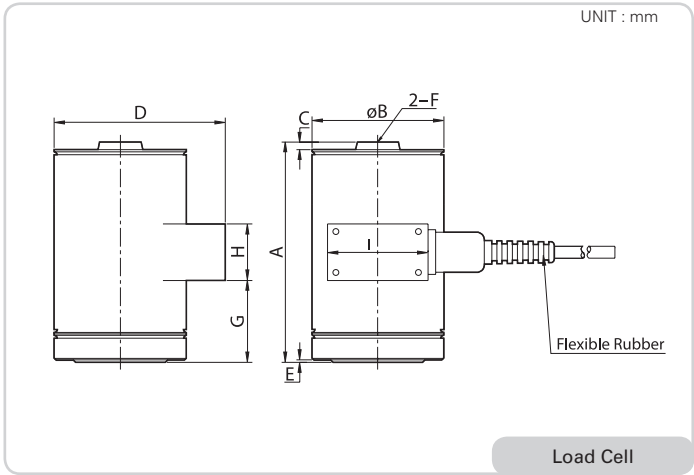
- Rod End (200~1K : M12 x 1.25)
- Rod End (2K~5K : M24 x 2.0)

SPECIFICATION

Max. Capacity (Rated Load)	kgf	500kgf, 1, 2, 3, 5K	
Rated Output	mV / V	3.0 ± 0.003	
Zero Balance	mV / V	0.0 ± 0.03	
Accuracy Class	-	A	B
Non-Linearity	% R.O.	0.02	0.05
Hysteresis	% R.O.	0.02	0.05
Combined Error	% R.O.	0.02	0.05
Repeatability	% R.O.	0.01	0.02
Creep for 30min.	% R.O.	0.03	0.03
Return for 30min.	% R.O.	0.03	0.03
Resolution	-	≤1/5000	≤1/2000
Division	mV / V	0.0006	0.0015
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.03	0.03
Output Value	% / 10℃	0.03	0.03
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	350 ± 3.5	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-30 to +80	
Material & Plate	-	Stainless steel, Buffing	
Cable Specification	-	ø8 x 4p x 5M (Urethane - Jacket, EXP:Gray)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	No Platform Type	



DIMENSION

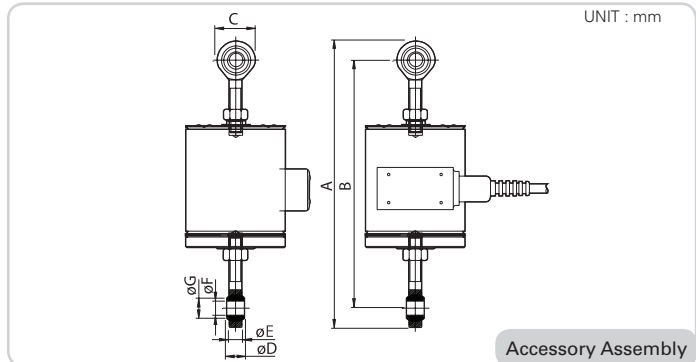


Capa.	A	B	C	D	E	F	G	H	Cable(m)
200	115	89	5	115	1.5	M12 X 1.25	35	38	5
300									
500									
1K									
2K	148	89	9	115	1	M24 X 2.0	55	38	5
3K									
5K									

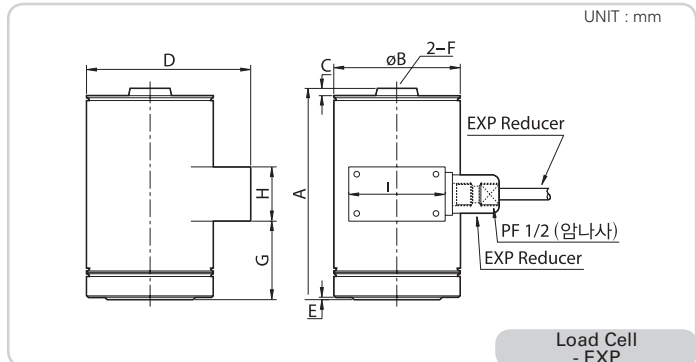
CTS

Stainless Canister Load Cell

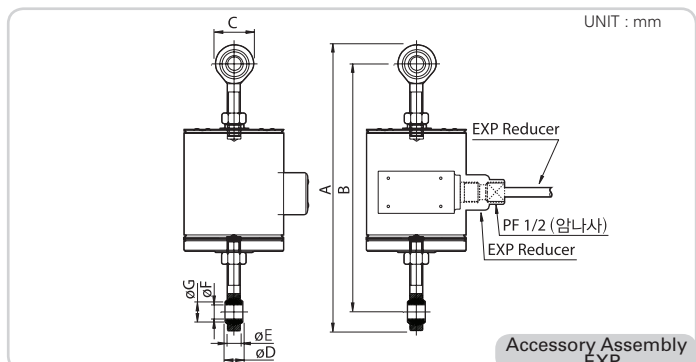
DIMENSION



Capa.	A	B	C	D	E	øF	øG
200	255.0 ~ 260.0	221.0 ~ 226.0	34.0	16.0	12.0	12.0	15.4
300							
500							
1K							
2K	526.0 ~ 531.0	424.0 ~ 429.0	102.0	28.0	27.0	22.0	25.8
3K							
5K							



Capa.	A	B	C	D	E	F	G	H	Cable(m)
200	115	89	5	115	1.5	M12 X 1.25	35	38	5
300									
500									
1K									
2K	148	89	9	115	1	M24 X 2.0	55	38	5
3K									
5K									



Capa.	A	B	C	D	E	øF	øG
200	255.0 ~ 260.0	221.0 ~ 226.0	34.0	16.0	12.0	12.0	15.4
300							
500							
1K							
2K	526.0 ~ 531.0	424.0 ~ 429.0	102.0	28.0	27.0	22.0	25.8
3K							
5K							

ACCESSORY FEATURES

- Bearing included structure
- CAS specification

MANUAL

- Install the Rod End on the upper and bottom side of the Load Cell
- Do not insert the Rod End until the end
- The Rod End should be in a perpendicular with the force direction of the Load Cell
- CAS original Rod End is recommended for the application

ACCESSORY FEATURES

- Bearing included structure
- CAS specification

MANUAL

- Install the Rod End on the upper and bottom side of the Load Cell
- Do not insert the Rod End until the end
- The Rod End should be in a perpendicular with the force direction of the Load Cell
- CAS original Rod End is recommended for the application

HC

Canister Load Cell

LOAD CELL



- FEATURES
 - Hermetically sealed
 - Calibrated at real max. capacity
- ACCESSORY OPTION
 - Accessory set

SPECIFICATION

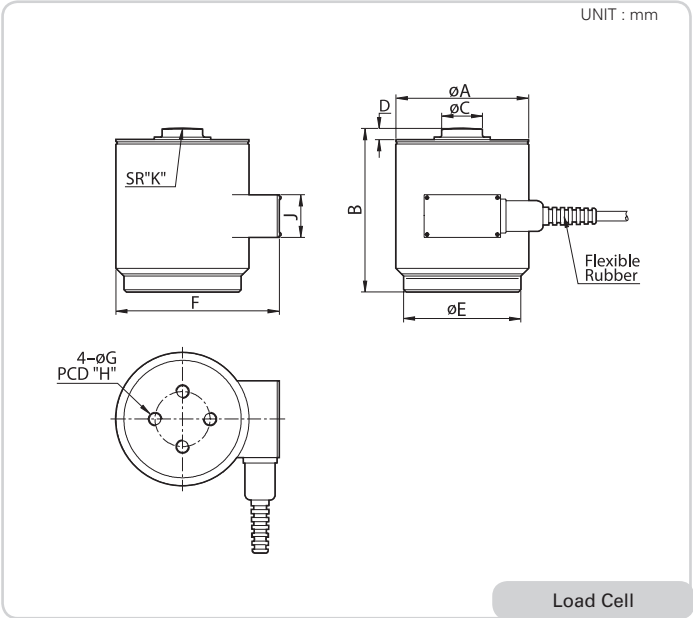
Max. Capacity (Rated Load)	tf	20, 30, 50,100, 200
Rated Output	mV / V	2.0 ± 0.002
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	-
Non-Linearity	% R.O.	0.15
Hysteresis	% R.O.	0.15
Combined Error	% R.O.	0.15
Repeatability	% R.O.	0.1
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/700
Division	mV / V	0.0028
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.03
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +70
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Paint finished steel
Cable Specification	-	ø8 x 4p x 10M (PVC)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Without Limit



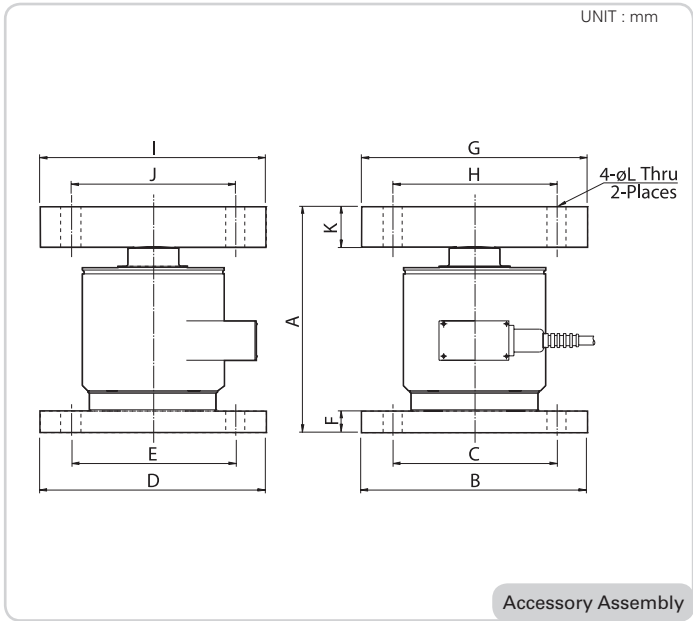
HC

Canister Load Cell

DIMENSION



Capa.	A	B	C	D	E	F	G	H	I	J
20tf	118	145	36	10	104	150	M12 X 1.75	80	80	150
30tf	118	145	36	10	104	150	M12 X 1.75	80	80	150
50tf	138	160	50	20	124	170	M12 X 1.75	80	80	200
100tf	158	190	70	20	144	190	M16 X 2.0	38	38	200
200tf	214	230	95	30	188	249	M12 X 2.0	38	38	300



Capa.	A	B	C	D	E	F	G	H	I	J	K	L
20tf	190	200	150	200	150	15	200	150	200	150	30	14
30tf	190	200	150	200	150	15	200	150	200	150	30	14
50tf	220	220	160	220	160	20	220	160	220	160	40	19
100tf	280	260	200	260	200	30	260	200	260	200	60	23
200tf	350	280	200	280	200	40	280	200	280	200	80	27

- ACCESSORY FEATURES
 - High Durability
 - Appropriate for Tank and Hopper application
 - Designed with Safety Coefficient considerations
- MANUAL
 - Load cell connection with the Mounting Plate
 - Fix the Mounting plate on the surface
 - Check the level of the Mounting Plate
 - Place the Loading Plate over the Load Cell
 - Check the value with a display system

HCP

Canister Load Cell

LOAD CELL



- FEATURES
 - Hermetically sealed
 - Calibrated at real max. capacity
 - Ex s IIC T6 Approved

- ACCESSORY OPTION
 - Accessory set

SPECIFICATION

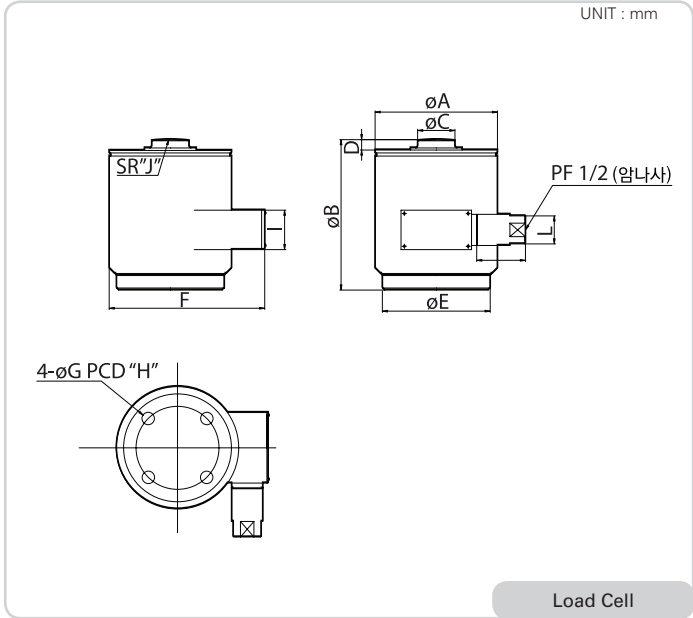
Max. Capacity (Rated Load)	tf	20, 30, 50, 100
Rated Output	mV / V	2.0 ± 0.002
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	D3
Non-Linearity	% R.O.	0.15
Hysteresis	% R.O.	0.15
Combined Error	% R.O.	0.15
Repeatability	% R.O.	0.1
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/700
Division	mV / V	0.0028
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.03
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +70
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Paint finished steel
Cable Specification	-	ø8 x 4P x 10M (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Without Limit



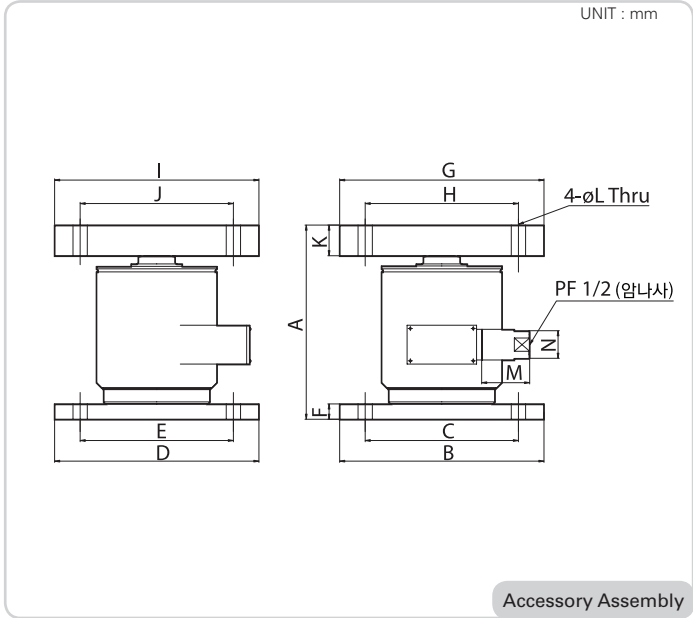
HCP

Canister Load Cell

DIMENSION



Capa.	A	B	C	D	E	F	G	H	I	J	K	L
20tf	118	145	36	10	104	150	M12 X 1.75	80	38	150	47	27
30tf												
50tf	138	193	50	20	124	170	M12 X 1.75	80	38	200	47	27
100tf	158	225	70	20	144	190	M16 X 2.0	100	38	200	47	27



Capa.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
20tf	190	200	150	200	150	15	200	150	200	150	30	14	47	27
30tf														

LS

Pan Cake Load Cell

● LOAD CELL



● FEATURES

- Hermetically sealed
- High reliability against fatigue and side force
- High accuracy grade
- Option : Ex ia IIC T6 Approved

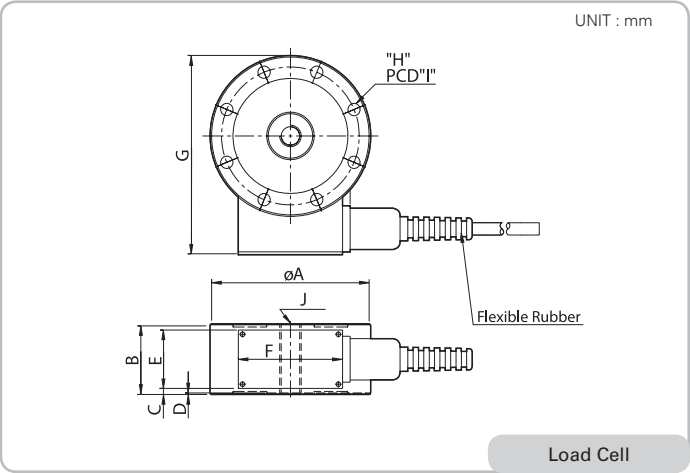
● ACCESSORY OPTION

- Accessory for compression
- Accessory for tension
- Ball type accessory

● SPECIFICATION

Max. Capacity (Rated Load)	tf	1, 2, 3, 5, 10, 20, 30, 50, 100, 200	
Rated Output	mV / V	2.0 ± 0.005	
Zero Balance	mV / V	0.0 ± 0.020	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.05	0.02
Hysteresis	% R.O.	0.05	0.02
Combined Error	% R.O.	0.05	0.02
Repeatability	% R.O.	0.02	0.01
Creep for 30min.	% R.O.	0.03	0.03
Return for 30min.	% R.O.	0.03	0.03
Resolution	-	≤1/2000	≤1/5000
Division	mV / V	0.001	0.0004
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.03	0.03
Output Value	% / 10℃	0.03	0.03
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	350 ± 3.5	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-30 to +80	
Material & Plate	-	Paint finished steel	
Cable Specification	-	ø8 x 4p x 5M(10M)	
Safety Overload	% L.	150% L.	
Platform Size	mm	No Platform Type	

● DIMENSION



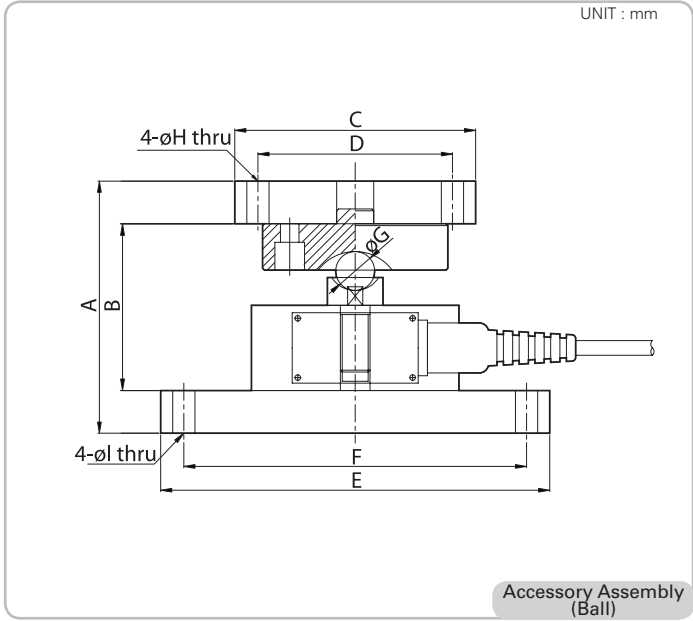
Capa.	A	B	C	D	E	F	G	H	I	H	Cable (m)
1tf											
2tf	112.0	46.0	4.0				141.5	8-ø7.1	97.2	M16 X 2.0	5.0
3tf											
5tf	120.0	46.0	4.0				149.9	8-ø9.0	103.2	M18 X 1.5	
10tf	138.0	60.0	11.0	1.0	38.0	68.0	169.5	8-ø11	117.6	M24 X 2.0	
20tf							218	8-ø14	157.6	M39 X 2.0	
30tf	184.0	80.0	21.0								10.0
50tf	200.0	60.0	11.0				234.5	8-ø14.5	170.0	M45 X 3.0	
100tf	278.0	90.0	2.0				314.3	8-ø16.3	229.0	M70 X 3.0	
200tf	355.0	108.0	35.0				392.2	8-ø26	298.0	M90 X 3.0	



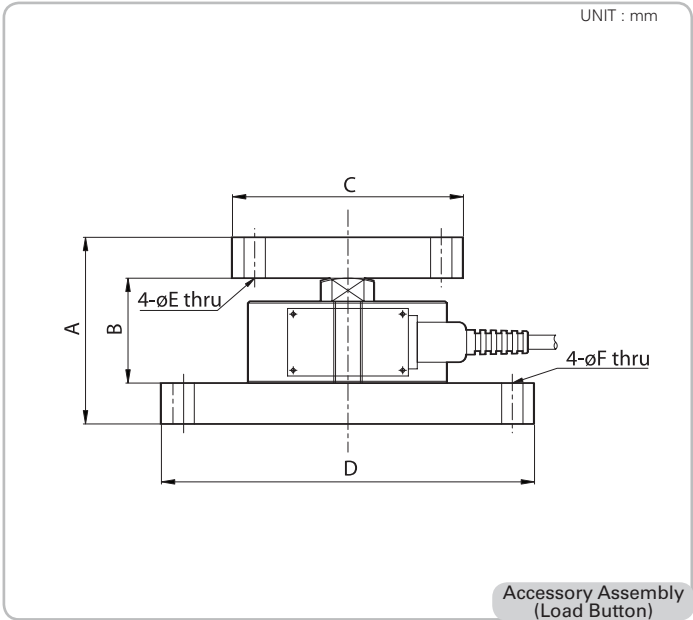
LS

Pan Cake Load Cell

● DIMENSION



Capa.	A	B	C	D	E	F	øG	H	I
1tf									
2tf	136.0	90.0			210 X 130	185 X 105	21.0		12
3tf							30.0	12	
5tf	145.0	99.0	130.0	105.0			30.0		
10tf	166.0	113.0			160.0	125.0	30.0		14
20tf									
30tf	196.0	143.0			200.0	160.0	30.0		



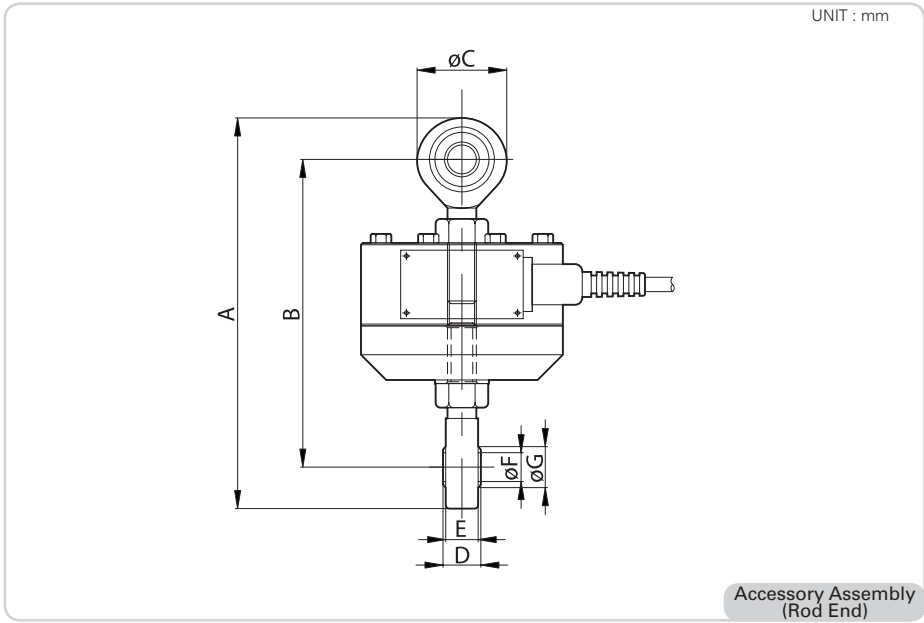
Capa.	A	B	C	D	E	F
1tf						
2tf	105.0	59.0		210 X 130	12.0	12.0
3tf			130.0			
5tf	107.0	61.0				
10tf	140.0	80.0	160.0	160.0		
20tf					14.0	14.0
30tf	175.0	115.0	200.0	200.0		



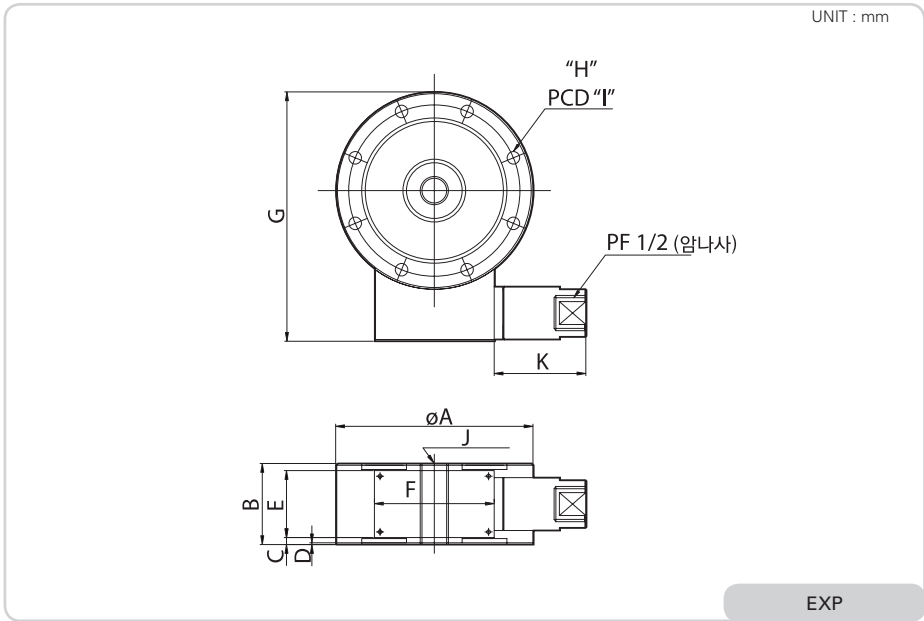
LS

Pan Cake Load Cell

● DIMENSION



Capa.	A	B	C	D	E	F	G
1tf	216.7(Max)	170.7(Max)	50.0	21.0	18.0	16.0	19.3
2tf							
3tf							
5tf	257.0(Max)	197.0(Max)	60.0	23.0	22.0	18.0	21.9
10tf	430.0(Max)	328.0(Max)	102.0	28.0	27.0	22.0	25.8
20tf	558.0(Max)	423.0(Max)	135.0	40.0	38.0	39.0	45.0
30tf							



Capa.	A	B	C	D	E	F	G	H	I	J	K	Cable(m)
1tf	112.0	46.0	4.0	1.0	38.0	68.0	141.5	8-ø7.1	97.2	M16 X 2.0	52	5.0
2tf												
3tf												
5tf	120.0	46.0	4.0				149.9	8-ø9.0	103.2	M18 X 1.5		
10tf	138.0	60.0	11.0				169.5	8-ø11.0	117.6	M24 X 2.0		
20tf	184.0	80.0	21.0				218.0	8-ø14.0	157.6	M39 X 2.0		
30tf												
50tf												200.0
100tf	278.0	90.0	2.0				314.3	8-ø16.3	229.0	M70 X 3.0		
200tf	355.0	108.0	35.0				392.2	12-ø26.0	298.0	M90 X 3.0		

LSB

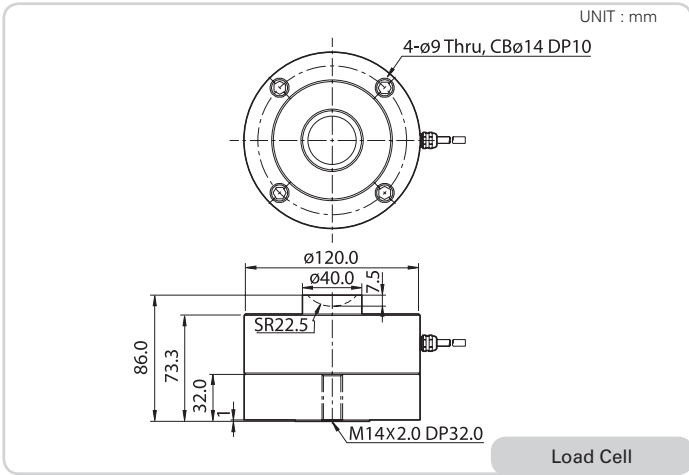
Pan Cake Load Cell

● LOAD CELL



- FEATURES
- High output
 - Low profile
 - Integrated ball loading construction

● DIMENSION



● SPECIFICATION

Max. Capacity (Rated Load)	tf	20
Rated Output	mV / V	4.0 ± 0.01
Zero Balance	mV / V	0.0 ± 0.04
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.02
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	<1/3000
Division	mV / V	0.0013
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.03
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	420 ± 30
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Nickel plated steel
Cable Specification	-	ø5.4 x 4p x 10M
Safety Overload	% L.	150%L.
Platform Size	mm	No Platform Type

LOAD CELL



FEATURES

- High output
- Hermetically sealed
- High reliability against side force
- Low profile
- Only compression application

ACCESSORY OPTION

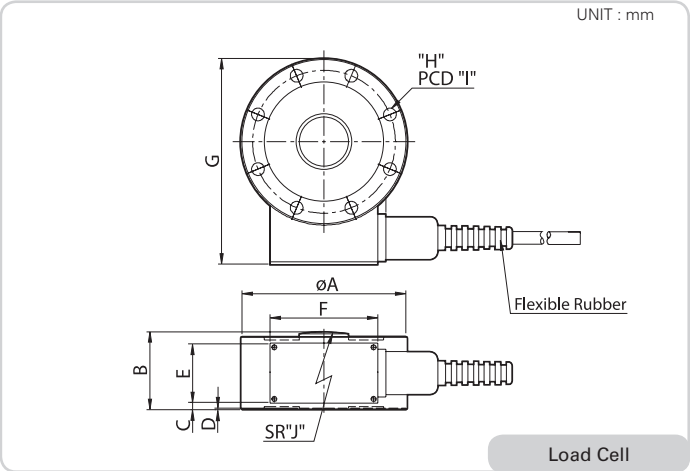
- No accessory

SPECIFICATION

Max. Capacity (Rated Load)	tf	2, 5, 10, 20, 50, 100
Rated Output	mV / V	3.0 ± 0.0075
Zero Balance	mV / V	0.0 ± 0.03
Accuracy Class	-	-
Non-Linearity	% R.O.	0.05
Hysteresis	% R.O.	0.05
Combined Error	% R.O.	0.05
Repeatability	% R.O.	0.02
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	<1/2000
Division	mV / V	0.0015
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.03
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Paint finished steel
Cable Specification	-	ø8 x 4p x 5M(10M)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform type



DIMENSION



Capa.	A	B	C	D	E	F	G	H	I	J	Cable (m)
2tf	105.0	35.0	3.0	1.0	30.0	65.0	131.0	8-ø7.0	90.0	100.0	5
5tf	120.0	45.0	2.0	1.0	38.0	68.0	150.4	4-ø9.0	104.5	100.0	
10tf	120.0	45.0	2.0	1.0	38.0	68.0	150.4	4-ø9.0	104.5	100.0	
20tf	120.0	45.0	2.0	1.0	38.0	68.0	150.4	4-ø9.0	104.5	100.0	
50tf	190.5	57.2	6.4	1.0	38.0	68.0	225.2	12-ø13.5	159.0	200.0	10
100tf	209.2	82.6	19.1	1.0	38.0	68.0	244.5	4-ø18.0	171.5	200.0	

LOAD CELL



FEATURES

- Stainless steel construction
- OIML C3 Approved (OIML R60)
- Protection Class IP67

ACCESSORY OPTION

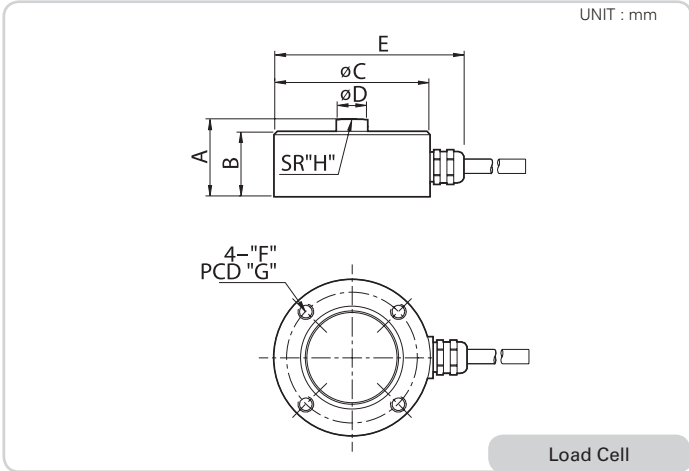
- No accessory

SPECIFICATION

Max. Capacity (Rated Load)	kgf	50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K
Rated Output	mV / V	2.0 ± 0.005
Zero Balance	mV / V	0.0 ± 0.06
Accuracy Class	-	-
Non-Linearity	% R.O.	0.15
Hysteresis	% R.O.	0.15
Combined Error	% R.O.	0.15
Repeatability	% R.O.	0.05
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	<1/600
Division	mV / V	0.003
Temperature Effect on	-	-
Zero Value	% / 10℃	0.05
Output Value	% / 10℃	0.1
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	420 ± 30
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Stainless steel, Painted (5tf~20tf)
Cable Specification	-	ø5.4 x 4p x 3M(5)M
Safety Overload	% L.	150%L.
Platform Size	mm	No Platform Type



DIMENSION



Capa.	A	B	C	D	E	F	G	H	Cable(m)
50	25	11	50	10	66	M5 X 0.8dp7	42	50	3
100									
200									
500									
1K	40	35	98	20	113.5	M6 X 1.0dp8	72	150	5
2K									
5K	45	40	98	20	115	M6 X 1.0dp8	72	150	
10K	50	45	118	20	133.5	M8 X 1.25dp10	90	250	
20K									

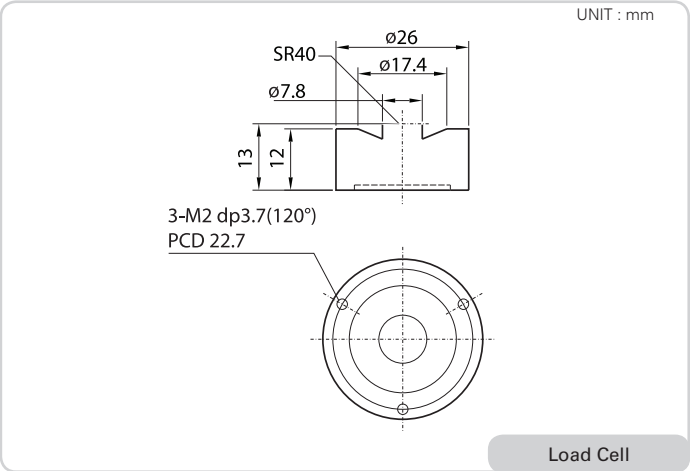
NMNC

Sub-Miniature Load Cell

● LOAD CELL



● DIMENSION



● FEATURES

- Stainless steel
- Compression application
- Protection class IP65

● SPECIFICATION

Max. Capacity (Rated Load)	kgf	50, 100, 200, 500, 1K, 2K, 3K
Rated Output	mV / V	1.0 ± 0.1
Zero Balance	mV / V	0.0 ± 0.1
Accuracy Class	-	-
Non-Linearity	% R.O.	0.5
Hysteresis	% R.O.	0.5
Combined Error	% R.O.	0.5
Repeatability	% R.O.	0.1
Creep for 30min.	% R.O.	0.5
Return for 30min.	% R.O.	0.5
Resolution	-	<1/200
Division	mV / V	0.005
Temperature Effect on	-	-
Zero Value	% / 10℃	± 0.028
Output Value	% / 10℃	± 0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	400 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-30 to +80
Material & Plate	-	Stainless steel, Buffing
Cable Specification	-	ø3 x 4p x 0.40M
Safety Overload	% L.	150%L.
Platform Size	mm	No Platform Type

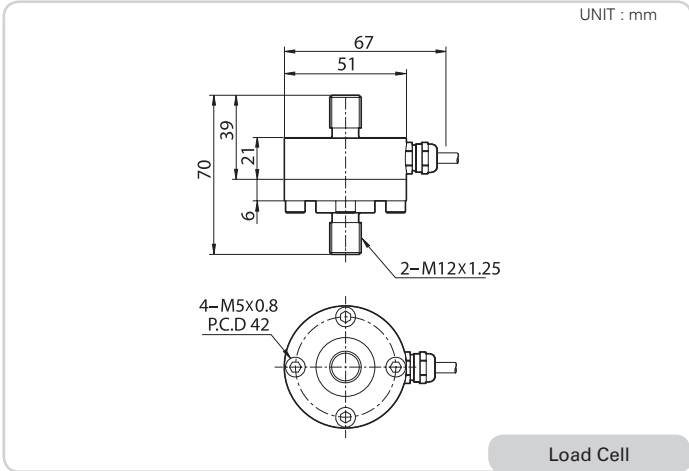
MNT

Miniature Load Cell

● LOAD CELL



● DIMENSION



● FEATURES

- Stainless steel
- Tension application
- Protection class IP65

● SPECIFICATION

Max. Capacity (Rated Load)	kgf	50, 100, 200, 500, 1K, 2K
Rated Output	mV / V	2.0 ± 0.005
Zero Balance	mV / V	0.0 ± 0.06
Accuracy Class	-	-
Non-Linearity	% R.O.	0.15
Hysteresis	% R.O.	0.15
Combined Error	% R.O.	0.15
Repeatability	% R.O.	0.05
Creep for 30min.	% R.O.	0.1
Return for 30min.	% R.O.	0.1
Resolution	-	<1/600
Division	mV / V	0.003
Temperature Effect on	-	-
Zero Value	% / 10℃	0.05
Output Value	% / 10℃	0.1
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	420 ± 30
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Stainless steel, Buffing
Cable Specification	-	ø5.4 x 4p x 3M
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

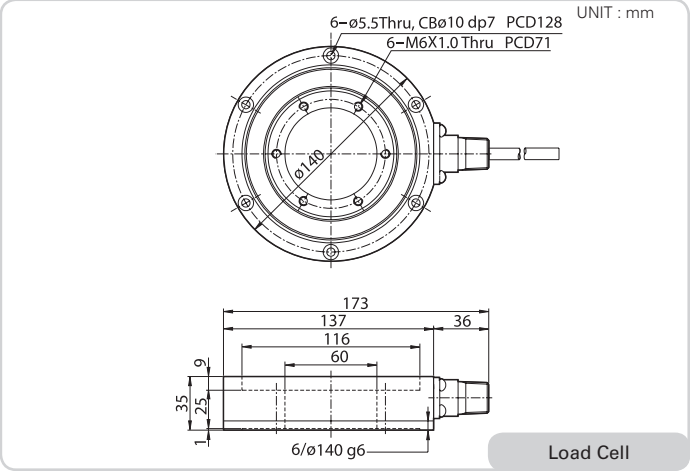
LSW

Low Profile Center Hole

● LOAD CELL



● DIMENSION



Hopper



Tank

● FEATURES

- Center hole compression load cell
- Low profile

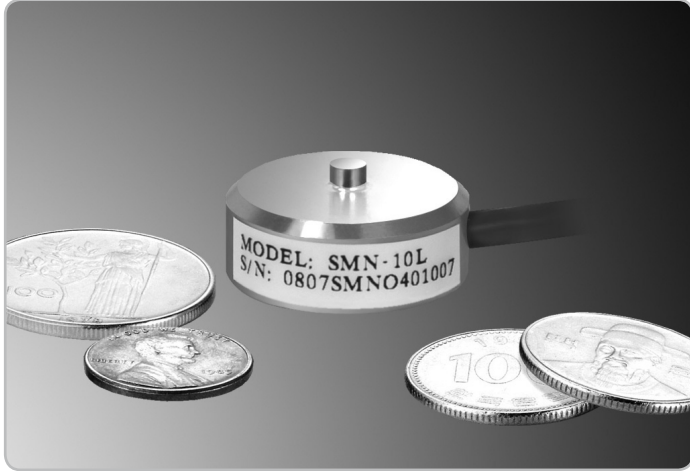
● SPECIFICATION

Max. Capacity (Rated Load)	tf	1, 2, 3
Rated Output	mV / V	1.0 ± 0.05
Zero Balance	mV / V	0.0 ± 0.015
Accuracy Class	-	-
Non-Linearity	% R.O.	0.5
Hysteresis	% R.O.	0.5
Combined Error	% R.O.	0.5
Repeatability	% R.O.	-
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	<1/200
Division	mV / V	0.005
Temperature Effect on	-	-
Zero Value	% / 10℃	0.05
Output Value	% / 10℃	0.05
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Steel
Cable Specification	-	ø8.0 x 4p x 10M
Safety Overload	% L.	150%L.
Platform Size	mm	No Platform Type

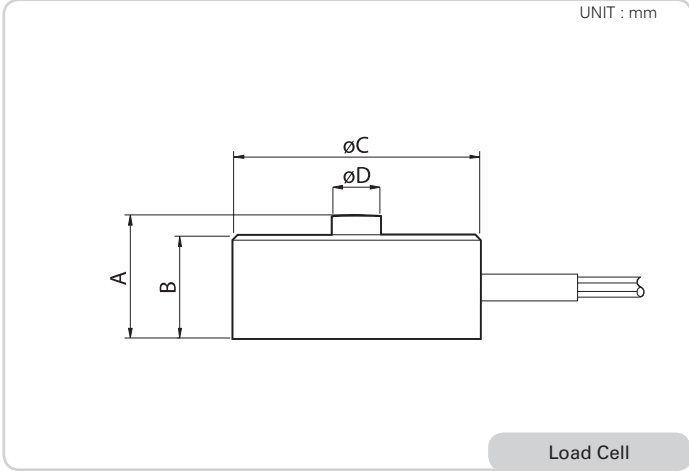
SMN

Sub-Miniature Load Cell

● LOAD CELL



● DIMENSION



One



P/F

● FEATURES

- Sub - miniature dimension
- Compression application
- Protection class IP65

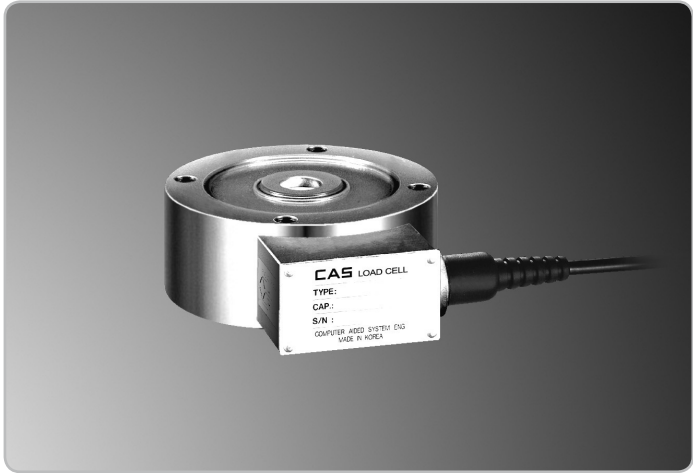
● SPECIFICATION

Max. Capacity (Rated Load)	kgf	1, 2, 5, 10, 20, 50, 100, 200, 300, 500, 1K, 2K
Rated Output	mV / V	1.0 (1~5kgf: 0.5mV/V)
Zero Balance	mV / V	0.0 ± 0.1
Accuracy Class	-	-
Non-Linearity	% R.O.	2.0
Hysteresis	% R.O.	2.0
Combined Error	% R.O.	2.0
Repeatability	% R.O.	1.0
Creep for 30min.	% R.O.	1.0
Return for 30min.	% R.O.	1.0
Resolution	-	-
Division	mV / V	0.02
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.05
Excitation	-	-
Recommended	V	5
Maximum	V	10
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-40 to +70
Material & Plate	-	Stainless steel, Buffing
Cable Specification	-	ø3 x 4p x 0.40M
Safety Overload	%L.	150%L.
Platform Size	mm	No Platform Type

LSS

Pan Cake Load Cell

LOAD CELL



FEATURES

- All stainless steel type
- Hermetically sealed
- High reliability against fatigue and side force
- High accuracy grade
- Ex ia IIC T6 Approved

ACCESSORY OPTION

- Accessory for compression
- Accessory for tension
- Ball type accessory

SPECIFICATION

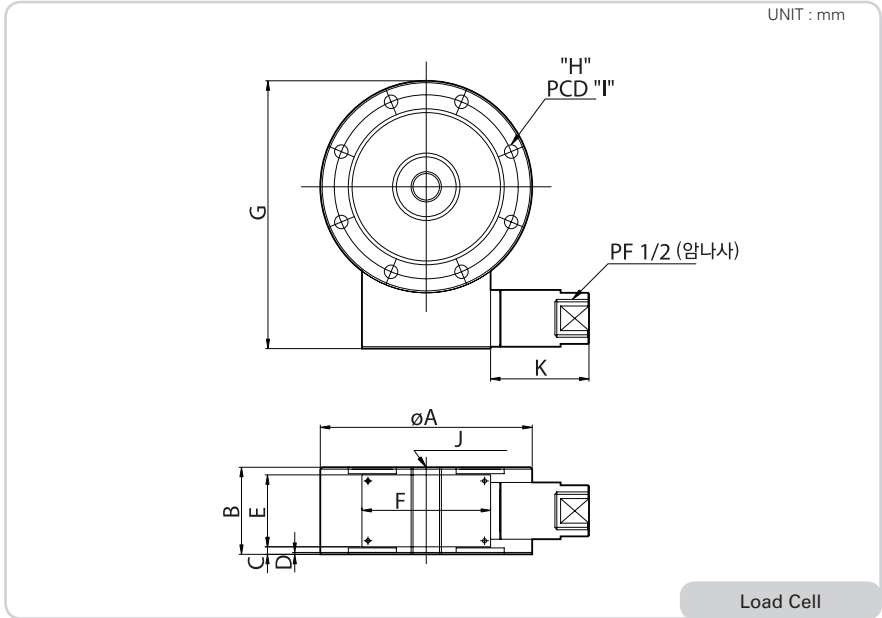
Max. Capacity (Rated Load)	tf	1, 2, 3, 5, 10, 20, 30, 50
Rated Output	mV / V	2.0 ± 0.005
Zero Balance	mV / V	0.0 ± 0.020
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.02
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	<1/3000
Division	mV / V	0.0006
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.03
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Stainless steel
Cable Specification	-	ø8 x 4p x 5M(10M)
Safety Overload	% L.	150%L.
Platform Size	mm	No Platform Type



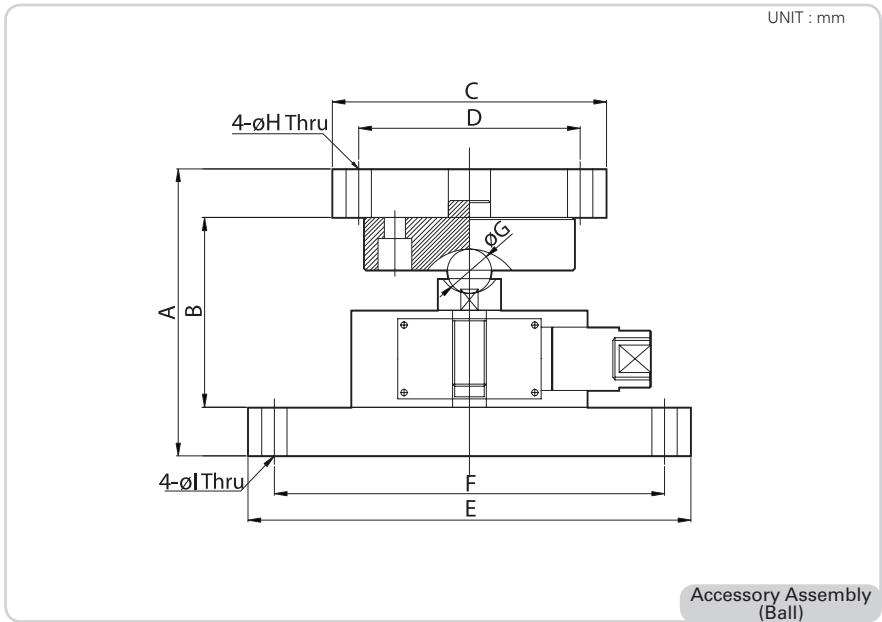
LSS

Pan Cake Load Cell

DEMENSION



Capa.	A	B	C	D	E	F	G	H	I	J	K	Cable(m)
1tf	112	46	4	1.0	38.0	68.0	142	8-ø7.1	97.2	M16 X 2.0	52	5.0
2tf			150				8-ø9.0	103	M18 X 1.5	10.0		
3tf												170
5tf	120	46	4				218	8-ø14	158			
10tf	138	60	11				235	8-ø14.5	170			M45 X 3.0
20tf	184	80	21									
30tf												
50tf	200	60	11									



Capa.	A	B	C	D	E	F	øG	H	I
1tf	136.0	90.0	130.0	105.0	210 X 130	185 X 105	21.0	12	12
2tf									
3tf									
5tf	145.0	99.0					30.0		14
10tf	166.0	113.0				160.0	125.0		
20tf	196.0	143.0			200.0	160.0	30.0		
30tf									

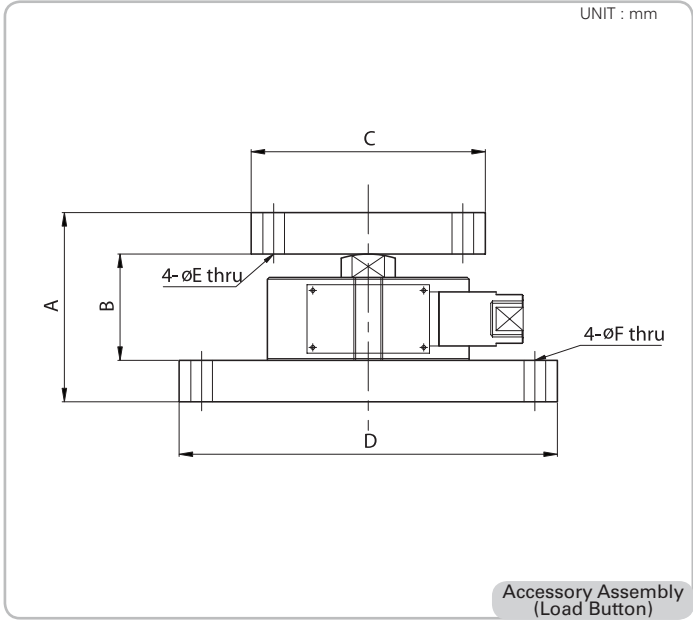
LSS

Pan Cake Load Cell

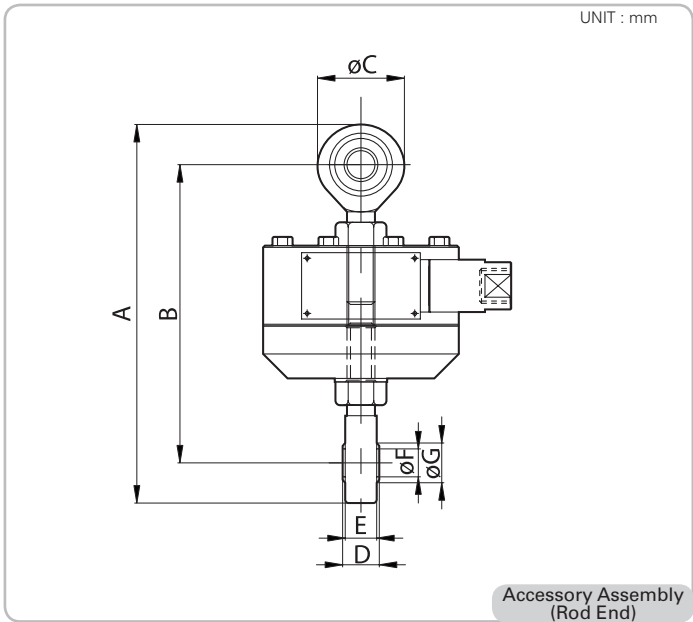
WBK

Truck and tank Load Cell

● DIMENSION



Capa.	A	B	C	D	E	F		
1tf	105.0	59.0	130.0	210 X 130	12.0	12.0		
2tf								
3tf								
5tf	107.0	61.0	160.0	160.0	14.0	14.0		
10tf	140.0	80.0						
20tf	175.0	115.0	200.0	200.0				
30tf								



Capa.	A	B	C	D	E	F	G
1tf	216.7(Max)	170.7(Max)	50.0	21.0	18.0	16.0	19.3
2tf							
3tf							
5tf	257.0(Max)	197.0(Max)	60.0	23.0	22.0	18.0	21.9
10tf	430.0(Max)	328.0(Max)	102.0	28.0	27.0	22.0	25.8
20tf	558.0(Max)	423.0(Max)	135.0	40.0	38.0	39.0	45.0
30tf							



● LOAD CELL



● FEATURES

- OIML C3 Approved (OIML R60)
- Built in lightening protection device
- Ex ia IIC T6 Approved
- Protection Class IP68

● ACCESSORY OPTION

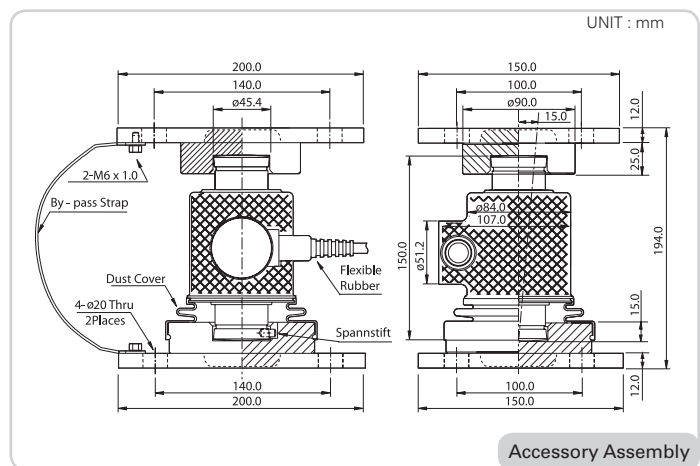
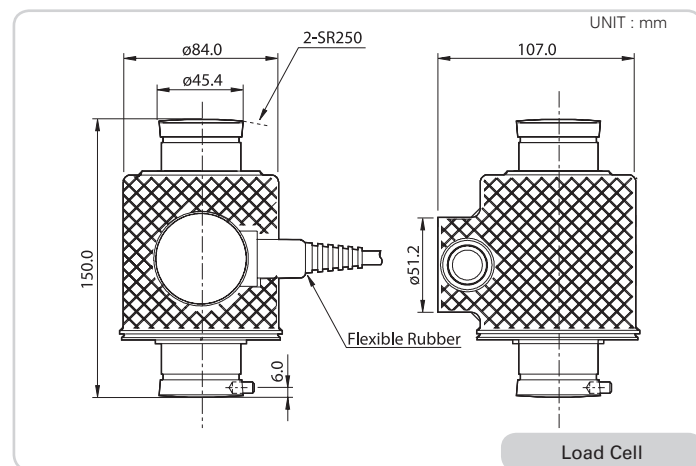
- Accessory set (TW)

● SPECIFICATION

Max. Capacity (Rated Load)	tf	10, 20, 25, 30, 50	
Rated Output	mV / V	2.0 ± 0.005	
Zero Balance	mV / V	0.0 ± 0.020	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	0.03	0.02
Hysteresis	% R.O.	0.03	0.02
Combined Error	% R.O.	0.03	0.02
Repeatability	% R.O.	0.02	0.01
Creep for 30min.	% R.O.	0.03	0.017
Return for 30min.	% R.O.	0.03	0.017
Resolution	-	≤1/3000	≤1/5000
Division	mV / V	0.00067	0.0004
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.03	0.014
Output Value	% / 10℃	0.03	0.011
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	350 ± 3.5	
Output	Ω	350 ± 3.5	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-40 to +70	
Material & Plate	-	Stainless steel, Buffing	
Cable Specification	-	ø8 x 4p x 10M, ø8 x 4p x 25M (P.V.C)	
	-	ø8 x 6p x 12M (Urethane)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	No Platform Type	



● DIMENSION

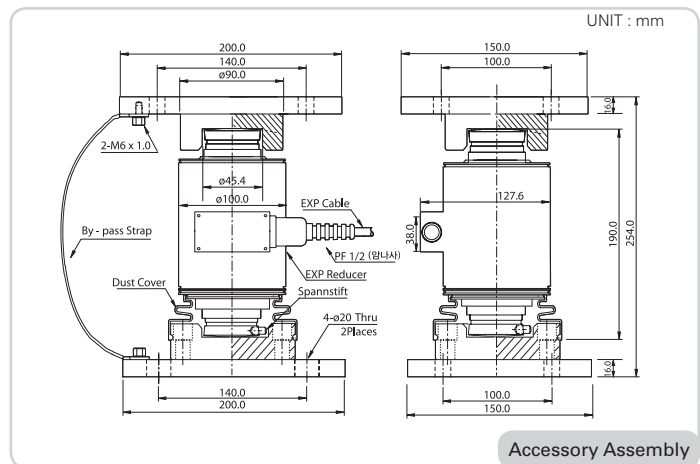
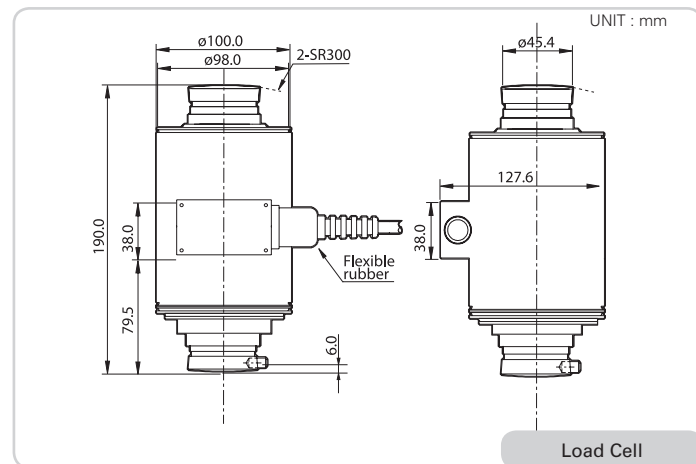


● ACCESSORY FEATURES

- Easy Load Cell replacement
- Appropriate for Tank and Truck application
- Loading, Mounting Bearing included
- Structurally Safe Design
- Anti Load cell rotation system
- Suitable for moisture environments
- Anti-lightening Strap constitution

● MANUAL

- Fix the Mounting plate on the surface
- Check the level of the Mounting Plate
- Join the Dust Cover with the Lower Bearing
- Place the Load Cell over the Lower Bearing
- Assemble the Loading Accessory Set with the Load Cell



● ACCESSORY FEATURES

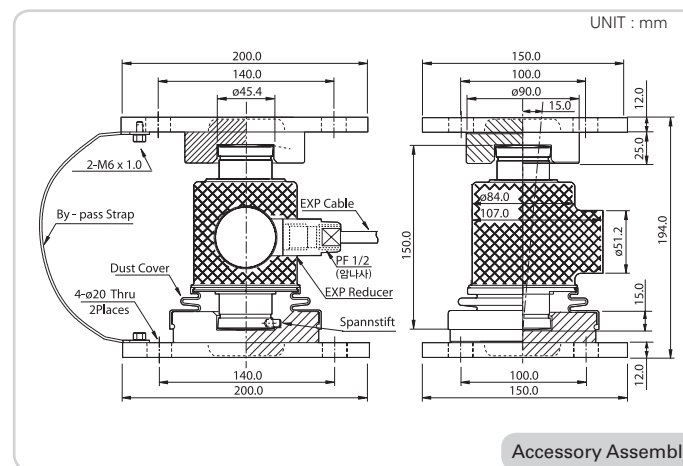
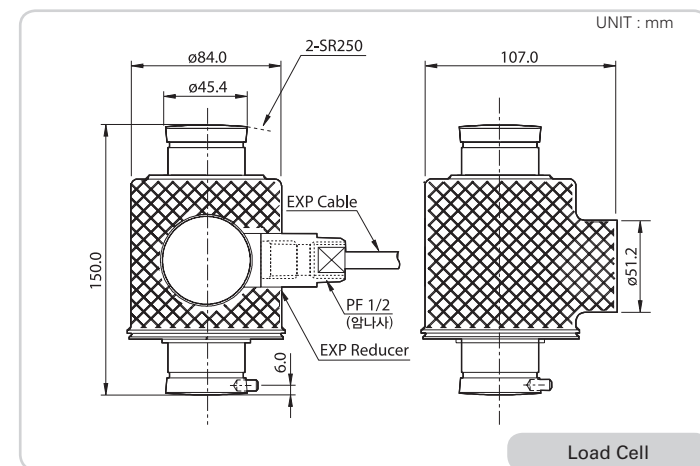
- Easy Load Cell replacement
- Appropriate for Tank and Truck application
- Loading, Mounting Bearing included
- Structurally Safe Design
- Anti Load cell rotation system
- Suitable for moisture environments
- Anti-lightening Strap constitution

● MANUAL

- Fix the Mounting plate on the surface
- Check the level of the Mounting Plate
- Join the Dust Cover with the Lower Bearing
- Place the Load Cell over the Lower Bearing
- Assemble the Loading Accessory Set with the Load Cell



● DIMENSION

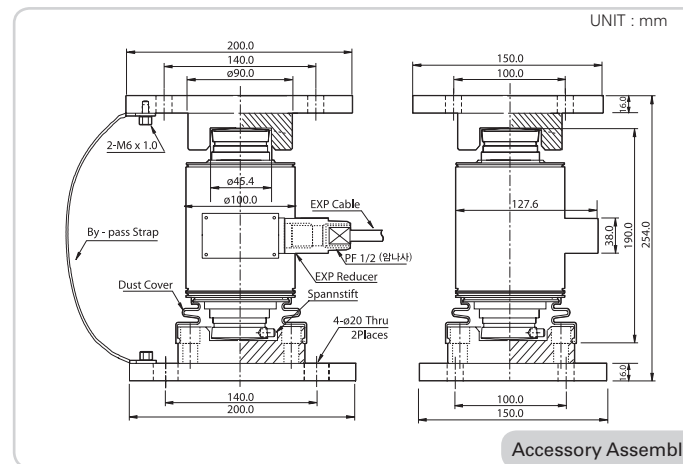
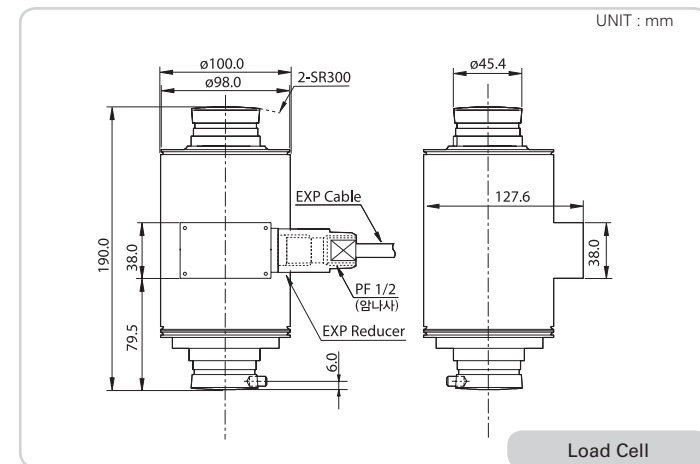


● ACCESSORY FEATURES

- Easy Load Cell replacement
- Appropriate for Tank and Truck application
- Loading, Mounting Bearing included
- Structurally Safe Design
- Anti Load cell rotation system
- Suitable for moisture environments
- Anti-lightening Strap constitution

● MANUAL

- Fix the Mounting plate on the surface
- Check the level of the Mounting Plate
- Join the Dust Cover with the Lower Bearing
- Place the Load Cell over the Lower Bearing
- Assemble the Loading Accessory Set with the Load Cell



● ACCESSORY FEATURES

- Easy Load Cell replacement
- Appropriate for Tank and Truck application
- Loading, Mounting Bearing included
- Structurally Safe Design
- Anti Load cell rotation system
- Suitable for moisture environments
- Anti-lightening Strap constitution

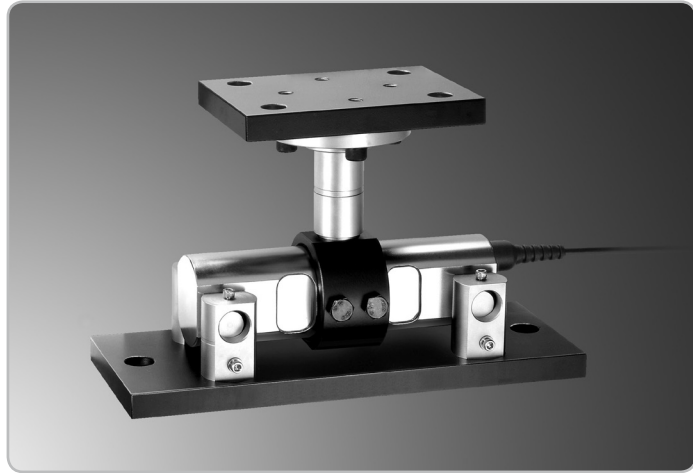
● MANUAL

- Fix the Mounting plate on the surface
- Check the level of the Mounting Plate
- Join the Dust Cover with the Lower Bearing
- Place the Load Cell over the Lower Bearing
- Assemble the Loading Accessory Set with the Load Cell

DSB-20

Truck Weighing Load Cell

LOAD CELL



FEATURES

- Rocker pin loading design
- Truck scale load cell with accessory
- Protection Class IP67

ACCESSORY OPTION

- Accessory (Set)

ACCESSORY FEATURES

- Appropriate for Tank and Hopper application
- Structurally Safe Design
- High resistance against side force
- High durability

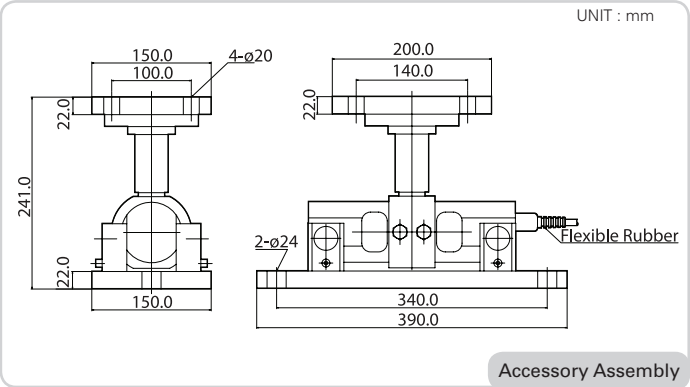
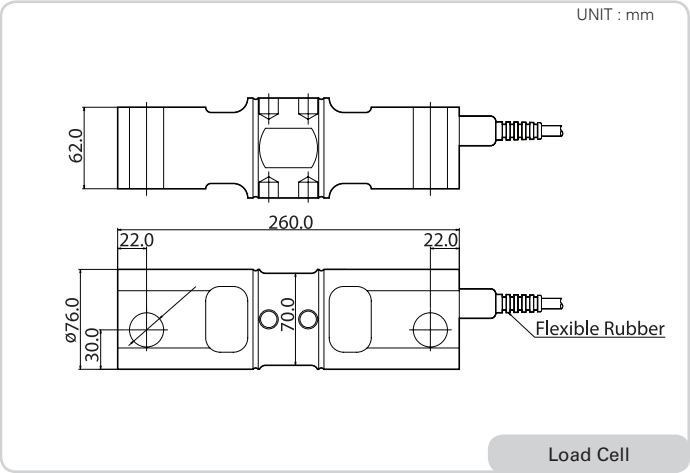
MANUAL

- Check the load cell level with the surface

SPECIFICATION

Max. Capacity (Rated Load)	tf	20
Rated Output	mV / V	2.0 ± 0.004
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	-
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.01
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/3000
Division	mV / V	0.00067
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	800 ± 40
Output	Ω	700 ± 7
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Nickel plated steel
Cable Specification	-	ø8 x 4p x 15M (P.V.C)
Safety Overload	% R.L.	150%L.
Platform Size	mm	No Platform Type

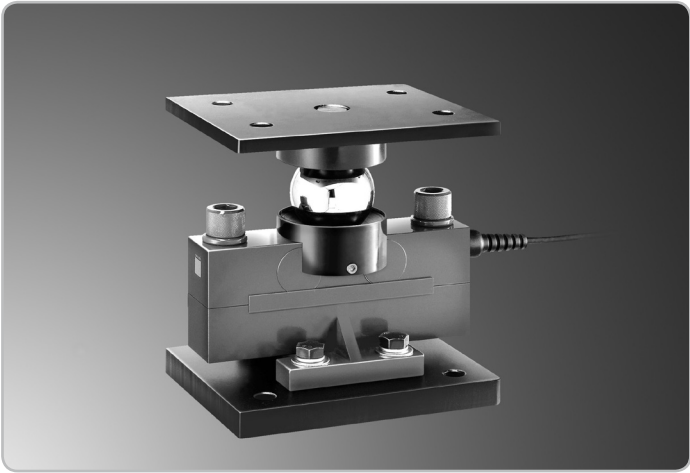
DIMENSION



DSB-B

Truck Weighing Load Cell

LOAD CELL



FEATURES

- Robust design and easy installation
- Strong against shock or side force
- Protection Class IP67

ACCESSORY OPTION

- Ballcup type (TW)

ACCESSORY FEATURES

- Easy load cell replacement.
- Appropriate for tank and truck scale application.
- High resolution by use of ball
- Structurally safe design
- High durability
- Suitable for moisture environments

MANUAL

- Check the load cell level with the surface

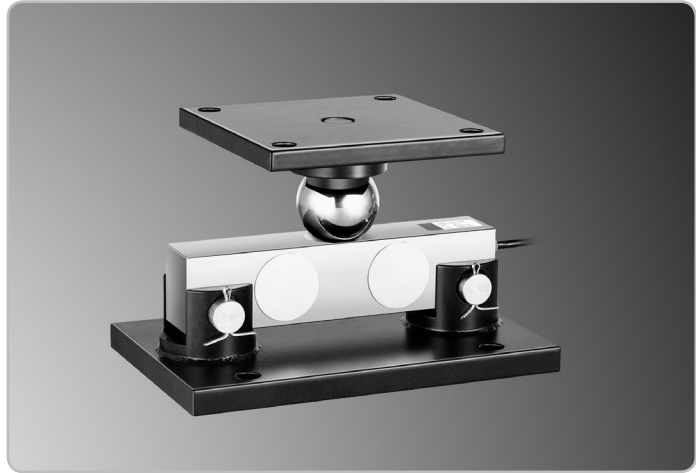
SPECIFICATION

Max. Capacity (Rated Load)	tf	10, 25, 30
Rated Output	mV / V	2.0 ± 0.004
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	D3
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.02
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/3000
Division	mV / V	0.00067
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	800 ± 40
Output	Ω	700 ± 7
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Steel, Painted
Cable Specification	-	ø8 x 4p x 15M (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

DES-B

Truck Weighing Load Cell

LOAD CELL



FEATURES

- Robust design and installation
- Strong against shock or side force
- Protection Class IP67
- Low Price
- Compact size

ACCESSORY OPTION

- Accessory (Set)

ACCESSORY FEATURES

- Easy load cell replacement
- Appropriate for tank and plat form application
- High resolution by use of ball
- Structurally safe design

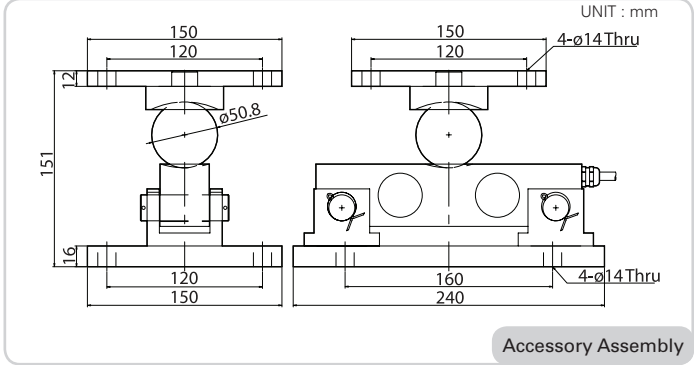
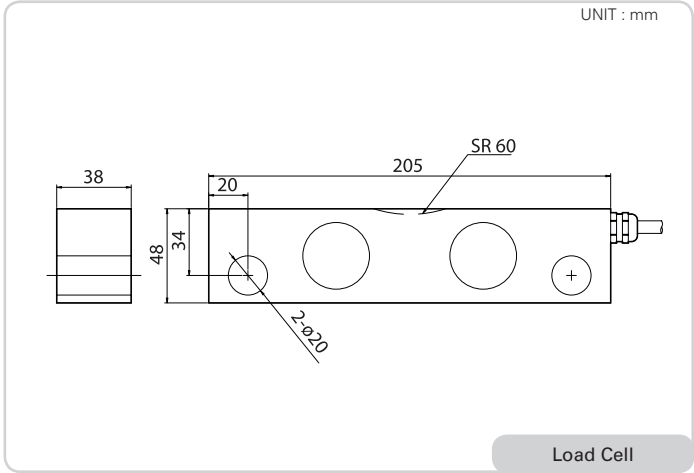
MANUAL

- Check the load cell level with the surface
- Do not applicate an excessive force to remove the snap ring

SPECIFICATION

Max. Capacity (Rated Load)	tf	10, 15
Rated Output	mV / V	2.0 ± 0.004
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	D3
Non-Linearity	% R.O.	0.03
Hysteresis	% R.O.	0.03
Combined Error	% R.O.	0.03
Repeatability	% R.O.	0.02
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/3000
Division	mV / V	0.00067
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.015
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	800 ± 40
Output	Ω	700 ± 7
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Steel, Plate
Cable Specification	-	ø5 x 4p x 10M (P.V.C - Jacket)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

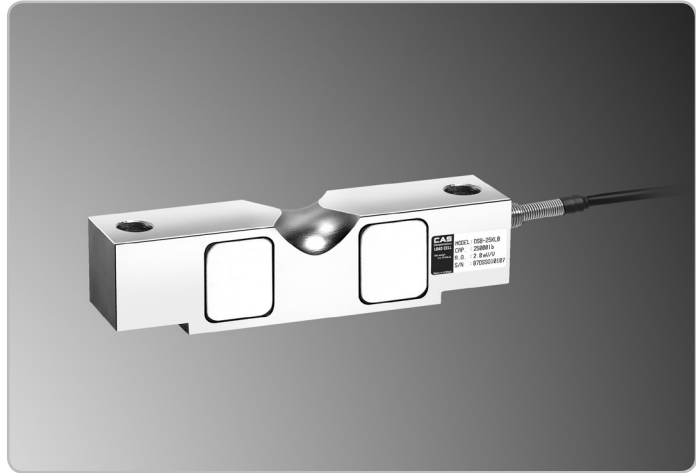
DIMENSION



DSB1

Truck and Tank Weighing Load Cell

LOAD CELL



FEATURES

- NTEP IIIL 10,000M pending (Handbook 44)
- Protection Class IP67
- Compatible with other sources

MANUAL

- Check the load cell level with the surface
- Fix tightly the accessories with the Load cell

ACCESSORY FEATURES

- Easy Load Cell replacement
- Appropriate for tank and hopper application
- Structurally safe design
- High resistance against side force
- high durability

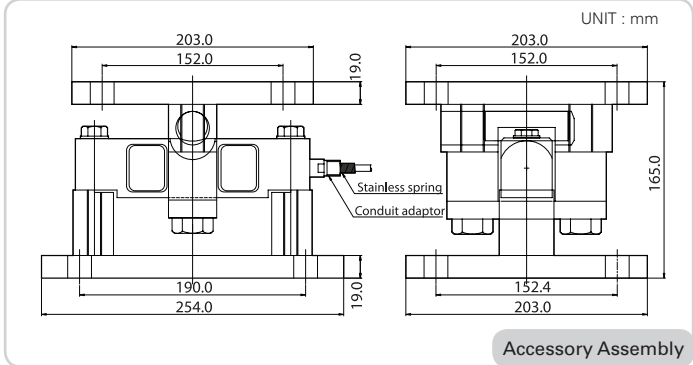
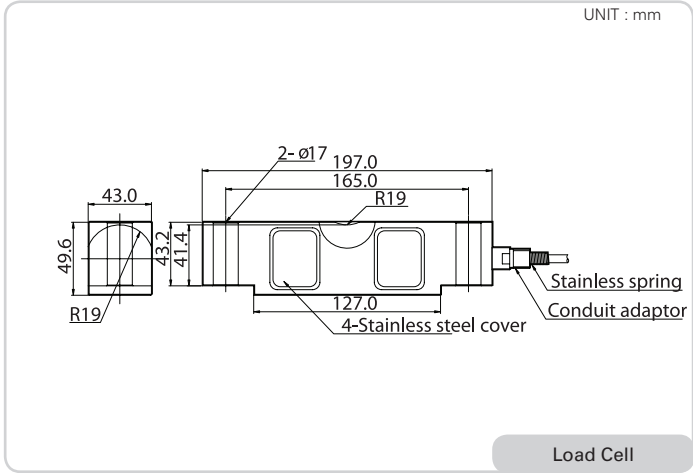
ACCESSORY OPTION

- DSB1_TW Accessory (SET)

SPECIFICATION

Max. Capacity (Rated Load)	klbf	10, 20, 25
Rated Output	mV / V	3.0 ± 0.0075
Zero Balance	mV / V	0.0 ± 0.03
Accuracy Class	-	D3
Non-Linearity	% R.O.	0.05
Hysteresis	% R.O.	0.05
Combined Error	% R.O.	0.05
Repeatability	% R.O.	0.03
Creep for 30min.	% R.O.	0.05
Return for 30min.	% R.O.	0.05
Resolution	-	≤1/2000
Division	mV / V	0.0015
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.02
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	800 ± 40
Output	Ω	700 ± 7
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Nickel plated steel
Cable Specification	-	ø5.4 x 4p x 10M (Urethane - Jacket)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

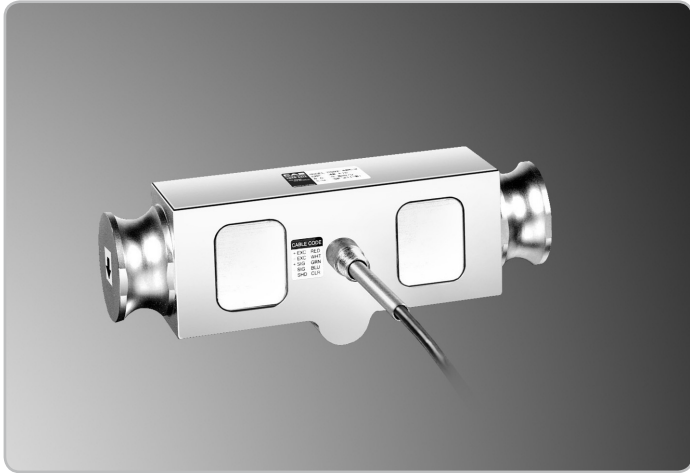
DIMENSION



DSB2

Truck and Tank Weighing Load Cell

LOAD CELL



FEATURES

- Double end link beam application
- NTEP IIIL 10,000M pending (Handbook 44)
- Protection Class IP67
- Compatible with other sources

ACCESSORY OPTION

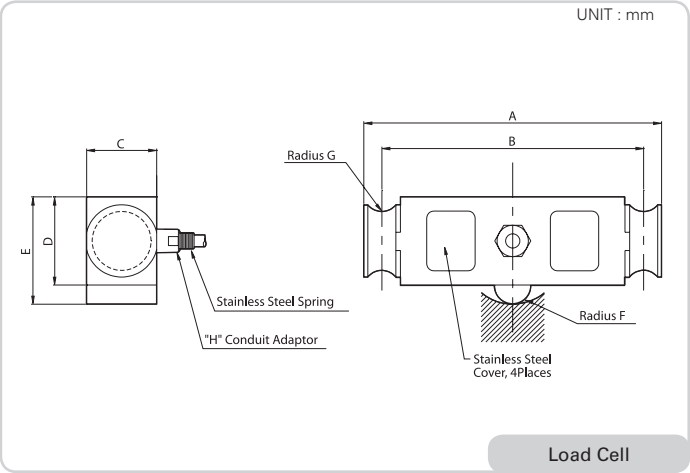
- NTEP approved class
- DSB2_TW accessory

SPECIFICATION

Max. Capacity (Rated Load)	lb	25K, 40K, 75K	
Rated Output	mV / V	3.0 ± 0.0075	
Zero Balance	mV / V	0.0 ± 0.03	
Accuracy Class	-	D3	B10(IIIL 10,000M)
Non-Linearity	% R.O.	0.05	0.03
Hysteresis	% R.O.	0.05	0.03
Combined Error	% R.O.	0.05	0.03
Repeatability	% R.O.	0.03	0.015
Creep for 30min.	% R.O.	0.05	0.02
Return for 30min.	% R.O.	0.05	0.02
Resolution	-	≤1/2000	≤1/3000
Division	mV / V	0.0015	0.001
Temperature Effect on	-	-	-
Zero Value	% / 10℃	0.03	0.014
Output Value	% / 10℃	0.02	0.011
Excitation	-	-	
Recommended	V	10	
Maximum	V	15	
Resistance	-	-	
Input	Ω	800 ± 40	
Output	Ω	700 ± 7	
Insulation	MΩ	>2000	
Compensated Temperature Range	℃	-10 to +40	
Operating Temperature Range	℃	-20 to +80	
Material & Plate	-	Nickel plated steel	
Cable Specification	-	ø5.4 x 4p x 12M (Urethane)	
Safety Overload	% R.L.	150%R.L.	
Platform Size	mm	No Without Limit	



DIMENSION

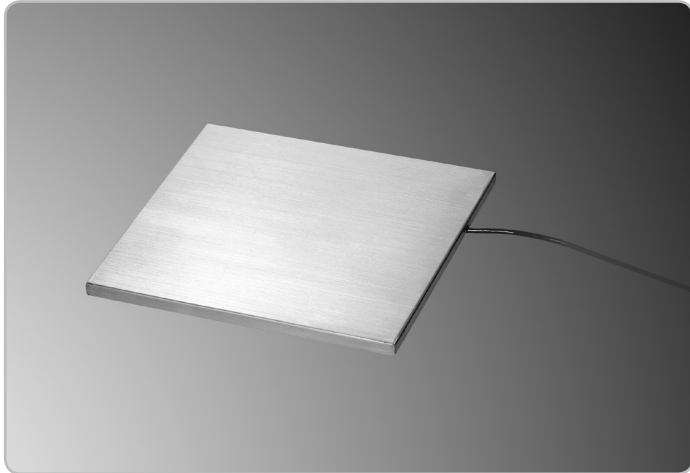


Capa.	A	B	C	D	E	F	G	H
25klb	209.6	184.2	49.3	62	75.5	12.7	12.7	1/4 - 18NPT
40klb								
75klb	292.1	254	49.3	74.7	88.15	25.4	19.1	1/2 - 14NPT

SPL

Slim Platform Load Cell

LOAD CELL



FEATURES

- Ultra slim profile (16mm~25mm)
- Wide range of capacities (20kgf~400kgf)
- Liquefied gas weighing application
- Rugged stainless steel cover plate

ACCESSORY OPTION

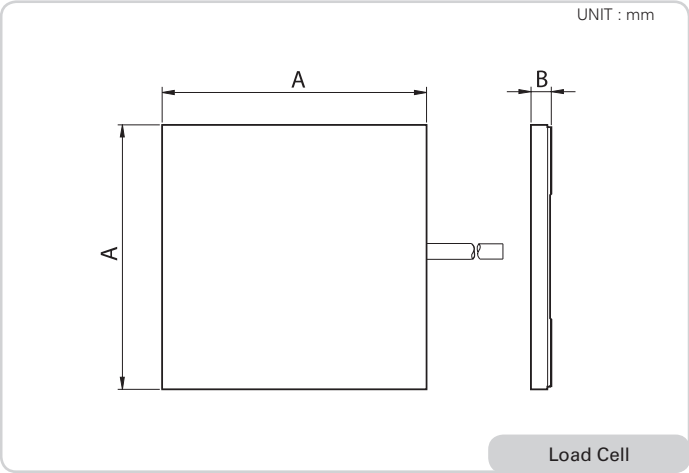
- Built - in transmitter (4~20mA)

SPECIFICATION

Max. Capacity (Rated Load)	kgf	20, 50, 60, 100, 200, 300, 400
Rated Output	mV / V	2.0 ± 0.2
Zero Balance	mV / V	0.0 ± 0.1
Accuracy Class	-	-
Non-Linearity	% R.O.	0.05
Hysteresis	% R.O.	0.05
Combined Error	% R.O.	0.05
Repeatability	% R.O.	0.05
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/2000
Division	mV / V	0.001
Temperature Effect on	-	-
Zero Value	% / 10℃	0.05
Output Value	% / 10℃	0.05
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	760 ± 10
Output	Ω	700 ± 5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-30 to +80
Material & Plate	-	Zinc plated steel, Stainless steel cover
Cable Specification	-	ø5.4 x 4p x 5M (Urethane)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type



DIMENSION



Capa.	A	B
20	300	23.6
50		24.6
60		24.6
100		24
200		25
300		24.4
400		25.8

CPA

Slim Profile Load Cell

● LOAD CELL



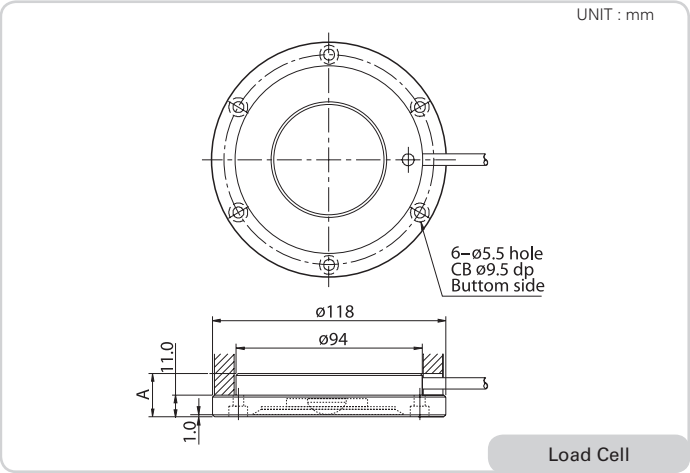
- FEATURES
- Low - profile
 - Integrated loading base
 - Low - deck high capacity scale application

- ACCESSORY OPTION
- No accessory

● SPECIFICATION

Max. Capacity (Rated Load)	kgf	500, 1K, 2K, 3K, 5K
Rated Output	mV / V	1.7 ± 0.17
Zero Balance	mV / V	0.0 ± 0.016
Accuracy Class	-	D3
Non-Linearity	% R.O.	0.14
Hysteresis	% R.O.	0.14
Combined Error	% R.O.	0.14
Repeatability	% R.O.	0.03
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/700
Division	mV / V	0.0024
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.05
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	760 ± 7
Output	Ω	700 ± 7
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-40 to +70
Material & Plate	-	Nickel plated steel
Cable Specification	-	ø4 x 4P x 0.62M (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type

● DIMENSION



Capa.	A
500K	20
1T	20
2T	22
3T	22
5T	22



FSH

Compression Load Cell

● LOAD CELL



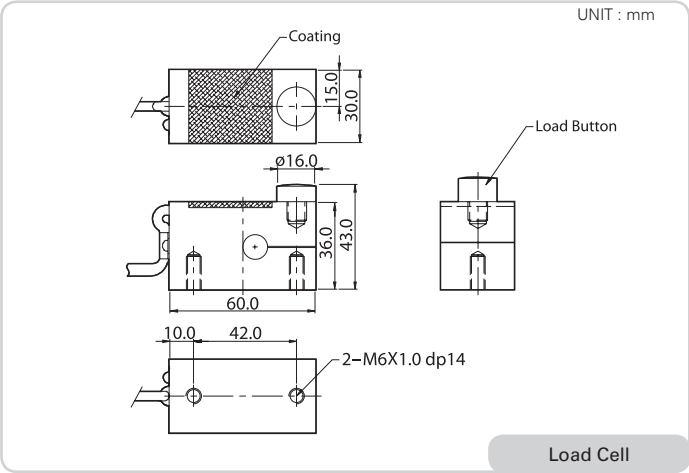
- FEATURES
- Small size
 - Force control application

● SPECIFICATION

Max. Capacity (Rated Load)	tf	1
Rated Output	mV / V	1.5 ± 0.0037
Zero Balance	mV / V	0.0 ± 0.15
Accuracy Class	-	-
Non-Linearity	% R.O.	2
Hysteresis	% R.O.	2
Combined Error	% R.O.	2
Repeatability	% R.O.	0.3
Creep for 30min.	% R.O.	0.1
Return for 30min.	% R.O.	0.1
Resolution	-	-
Division	mV / V	0.03
Temperature Effect on	-	-
Zero Value	%/10℃	0.05
Output Value	%/10℃	0.05
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	400 ± 50
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +70
Material & Plate	-	Zinc plated steel
Cable Specification	-	ø5 x 4p x 8m (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Platform Type



● DIMENSION



CHE

Center Hole Load Cell

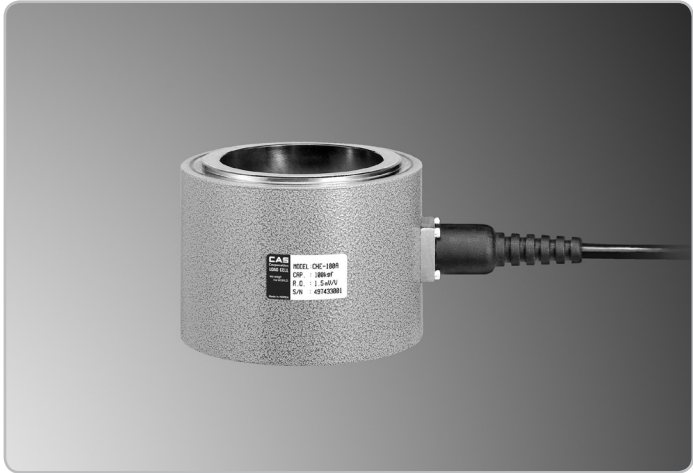
P/F

Hopper

Tank

Truck

● LOAD CELL



- FEATURES
- Center hole compression load ccell
 - Safety designed
 - High reliability

- ACCESSORY OPTION
- Loading plate(2EA / 1SET)

● SPECIFICATION

Max. Capacity (Rated Load)	tf	20, 50, 100, 150, 200
Rated Output	mV / V	1.5 ± 0.0075
Zero Balance	mV / V	0.0 ± 0.015
Accuracy Class	-	D3
Non-Linearity	% R.O.	1.0
Hysteresis	% R.O.	1.0
Combined Error	% R.O.	1.0
Repeatability	% R.O.	0.2
Creep for 30min.	% R.O.	0.03
Return for 30min.	% R.O.	0.03
Resolution	-	≤1/100
Division	mV / V	0.015
Temperature Effect on	-	-
Zero Value	% / 10℃	0.03
Output Value	% / 10℃	0.03
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	400 ± 20
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Paint finished steel
Cable Specification	-	8 x 4p x 10M (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Without Limit

CHE

Center Hole Load Cell

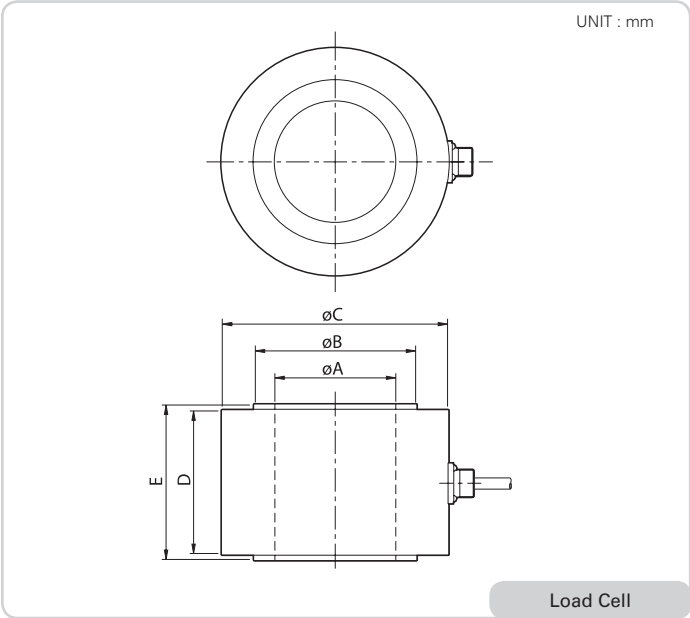
P/F

Hopper

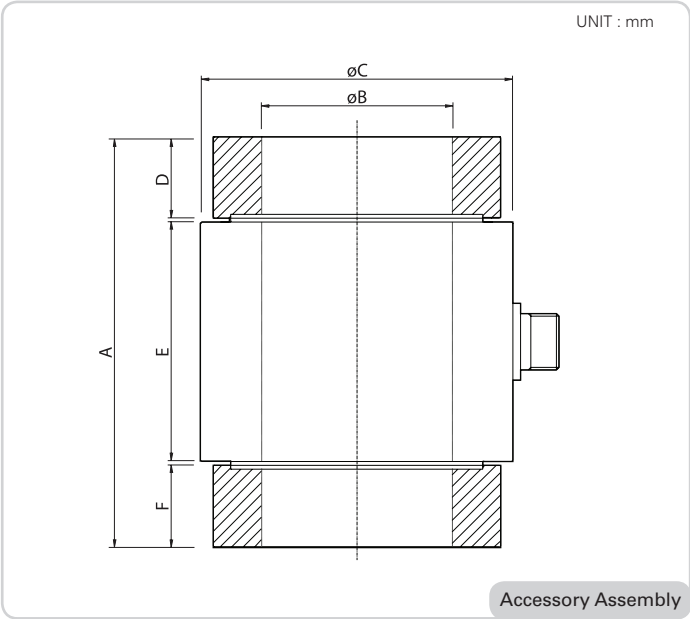
Tank

Truck

● DIMENSION



Capa.	Type	øA	øB	øC	D	E
20tf	A	35	45	75	69	75
50tf	A	50	67	100	69	75
100tf	A	75	99	123	94	100
	B	100	119	145	94	100
150tf	A	75	109	135	94	100
	B	125	148	178	104	110
200tf	A	125	155	186	104	110

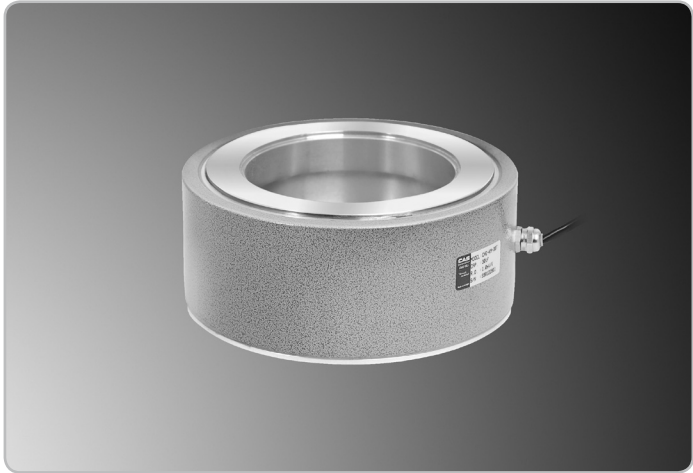


Capa.	Type	A	øB	øC	D	E	F
20tf	A	135	35	75	32	75	32
50tf	A	116	50	100	22	75	22
100tf	A	161	75	123	32	100	32
	B	161	100	145	32	100	32
150tf	A	167	75	135	35	100	35
	B	177	125	178	35	110	35
200tf	A	191	125	186	42	110	42

CHE-KM

Center Hole Load Cell

LOAD CELL



FEATURES

- Center hole Compression load cell
- Safety designed
- High reliability

ACCESSORY OPTION

- Loading plate

SPECIFICATION

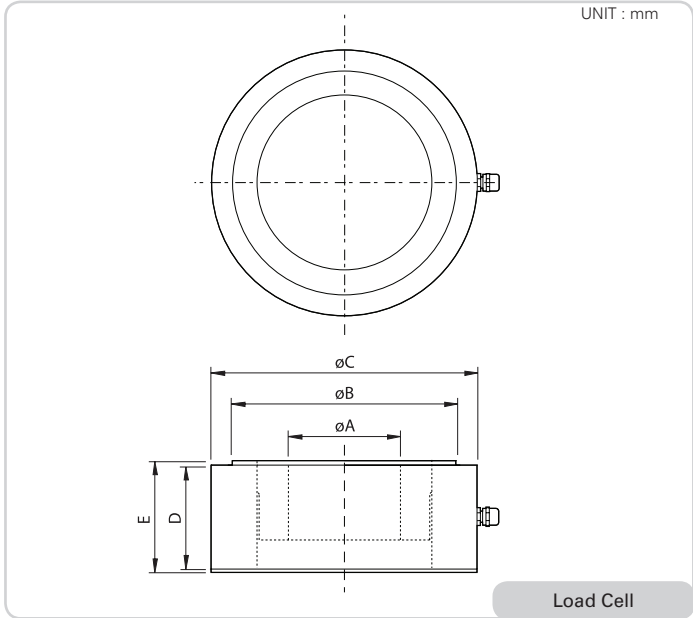
Max. Capacity (Rated Load)	tf	6, 10, 20, 30
Rated Output	mV / V	1.0 ± 0.007
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	-
Non-Linearity	% R.O.	1.0
Hysteresis	% R.O.	1.0
Combined Error	% R.O.	1.0
Repeatability	% R.O.	0.2
Creep for 30min.	% R.O.	0.015
Return for 30min.	% R.O.	0.015
Resolution	-	≤1/100
Division	mV / V	0.01
Temperature Effect on	-	-
Zero Value	% / 10℃	0.05
Output Value	% / 10℃	0.05
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	800 ± 20
Output	Ω	700 ± 3.5
Insulation	MΩ	>2000
Compensated Temperature Range	℃	-10 to +40
Operating Temperature Range	℃	-20 to +80
Material & Plate	-	Paint finished Aluminum
Cable Specification	-	ø8 x 4p x 10M (P.V.C)
Safety Overload	% R.L.	150%R.L.
Platform Size	mm	No Without Limit



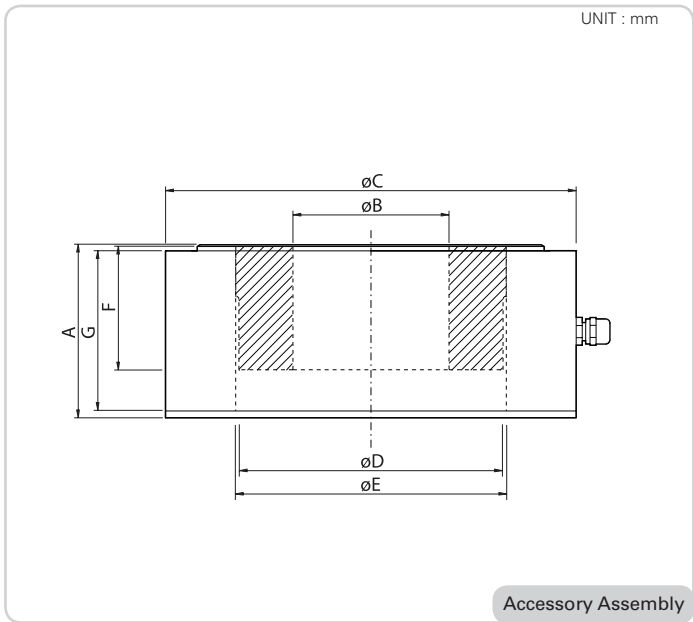
CHE-KM

Single Point Load Cell, 3kgf-30kgf

DIMENSION



Capa.	øA	øB	øC	D	E
6tf	60	75	95	51	55
10tf	60	90	105	51	60
20tf	125	160	190	74	80
30tf					



Capa.	A	øB	øC	øD	øE	F	G
6tf	55	32.1	95	57	60	43	51
10tf	60	32.1	105	57	60	43	51
20tf	80	72.1	190	122	125	57	74
30tf							

MAS

Multi-axis Load Cell (2axis, 3axis)

LOAD CELL



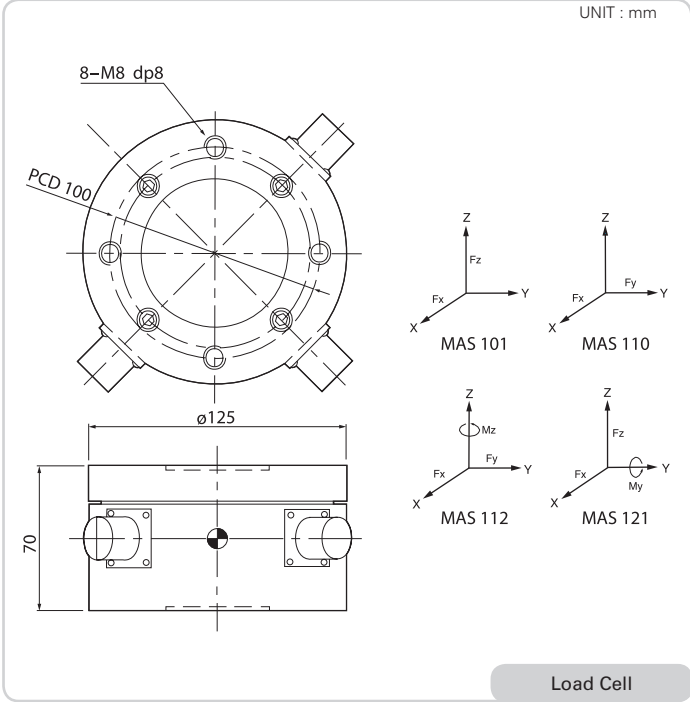
- ### FEATURES
- Various capacity of detecting up to 6 components
 - Minimise interaction between components
 - High accuracy less than 0.5% on each components
 - All products patent pending
 - Order made (capacity, size)

Type			Rated Load (Allowable Moment)					
			Fx (kg)	Fy (kg)	Fz (kg)	Mx (kg x m)	My (kg x m)	Mz (kg x m)
2AXIS	MAS101	2L	2	(5)	2	(0.5)	(0.3)	(0.3)
		5L	5	(12.5)	5	(1.25)	(0.75)	(0.75)
		10L	10	(25)	10	(2.5)	(1.5)	(1.5)
		20L	20	(50)	20	(5)	(3)	(3)
		50L	50	(80)	50	(8)	(7.5)	(7.5)
	MAS110	2L	2	2	(5)	(0.5)	(0.5)	(0.3)
		5L	5	5	(12.5)	(1.25)	(1.25)	(0.75)
		10L	10	10	(25)	(2.5)	(2.5)	(1.5)
		20L	20	20	(50)	(5)	(5)	(3)
		50L	50	50	(80)	(8)	(8)	(7.5)

SPECIFICATION

Max. Capacity (Rated Load)	kgf	2, 5, 10, 20, 50
Rated Output	mV / V	0.5 ± 0.005
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	-
Non-Linearity	% R.O.	0.5% FS for each component force
Hysteresis	% R.O.	0.5% FS for each component force
Combined Error	% R.O.	0.5% FS for each component force
Temperature Effect on	-	-
Zero Value	% / 10℃	± 0.01% FS/℃ for each component force
Output Value	% / 10℃	± 0.06% FS/℃ for each component force
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø5.4 x 4p x 5.12M (Urethane - Jacket)
Safety Overload	% R.L.	150% FS for each component force

DIMENSION

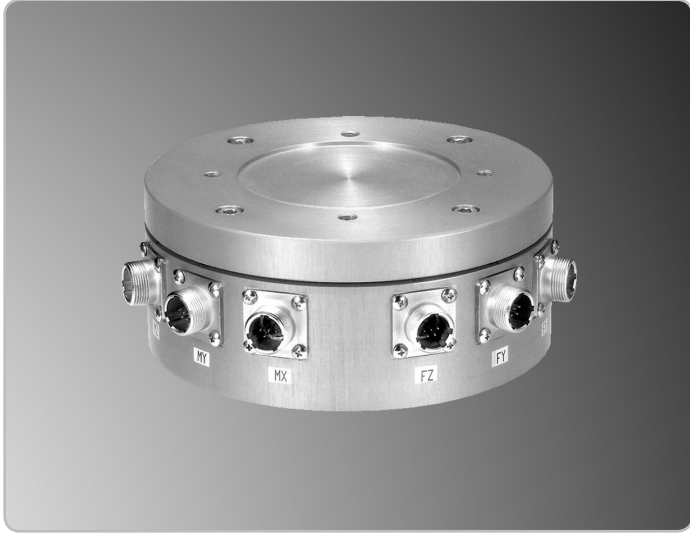


Type			Rated Load (Allowable Moment)					
			Fx (kg)	Fy (kg)	Fz (kg)	Mx (kg x m)	My (kg x m)	Mz (kg x m)
3AXIS	MAS112	2L	2	2	(5)	(0.5)	(0.5)	0.2
		5L	5	5	(12.5)	(1.25)	(1.25)	0.5
		10L	10	10	(25)	(2.5)	(2.5)	1
		20L	20	20	(50)	(5)	(5)	2
		50L	50	50	(80)	(8)	(8)	5
	MAS121	2L	2	(5)	2	(0.5)	0.2	(0.3)
		5L	5	(12.5)	5	(1.25)	0.5	(0.75)
		10L	10	(25)	10	(2.5)	1	(1.5)
		20L	20	(50)	20	(5)	2	(3)
		50L	50	(80)	50	(8)	5	(7.5)

MAS

Multi-axis Load Cell (5axis, 6axis)

LOAD CELL



- ### FEATURES
- Various capacity of detecting up 6 components
 - Minimise interaction between components
 - High accuracy less than 0.5% on each components
 - All products patent pending
 - Order made (capacity, size)

Type			Rated Load (Allowable Moment)					
			Fx (kg)	Fy (kg)	Fz (kg)	Mx (kg x m)	My (kg x m)	Mz (kg x m)
5AXIS	MAS332	2L	2	2	(3)	0.2	0.2	0.2
		5L	5	5	(7.5)	0.5	0.5	0.5
		10L	10	10	(15)	1	1	1
		20L	20	20	(30)	2	2	2
		50L	50	50	(75)	5	5	5

SPECIFICATION

Max. Capacity (Rated Load)	kgf	2, 5, 10, 20, 50
Rated Output	mV / V	0.5 ± 0.005
Zero Balance	mV / V	0.0 ± 0.02
Accuracy Class	-	-
Non-Linearity	% R.O.	0.5% FS for each component force
Hysteresis	% R.O.	0.5% FS for each component force
Combined Error	% R.O.	0.5% FS for each component force
Temperature Effect on	-	-
Zero Value	% / 10℃	± 0.01% FS/℃ for each component force
Output Value	% / 10℃	± 0.06% FS/℃ for each component force
Excitation	-	-
Recommended	V	10
Maximum	V	15
Resistance	-	-
Input	Ω	350 ± 3.5
Output	Ω	350 ± 3.5
Insulation	MΩ	>2000
Material & Plate	-	Anodized Aluminum
Cable Specification	-	ø5.4 x 4p x 5.12M (Urethane - Jacket)
Safety Overload	% R.L.	150% FS for each component force