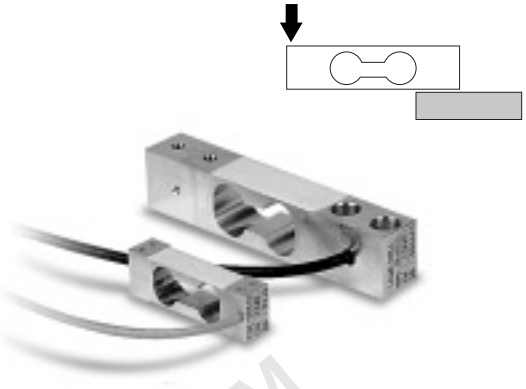
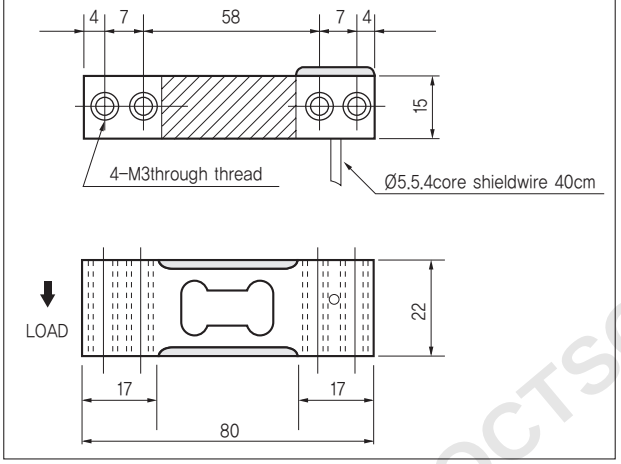
BENDING BEAM LOAD CELLS

>Model CB1, CB1A

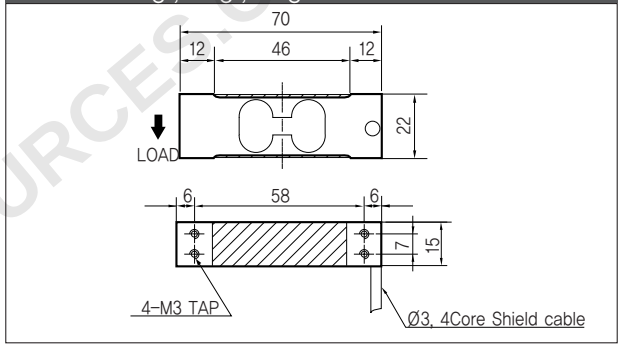
This strain gage load cell has developed newly as a electronic "Scale" for commercial purpose, with the charatestics of high accuracy and low price.
Compared with another mechnical means, this load cell provides small displacement.
Due to electronic output, it is easy to treat various treatment.
Protection Class IP65



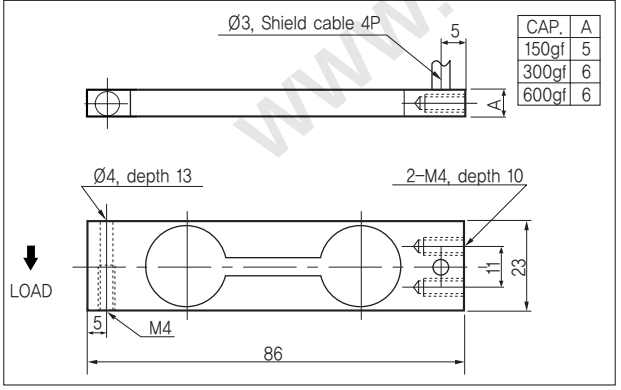
CB1 1kgf~3kgf unit:mm



CB1A 1kgf, 2kgf, 3kgf unit:mm

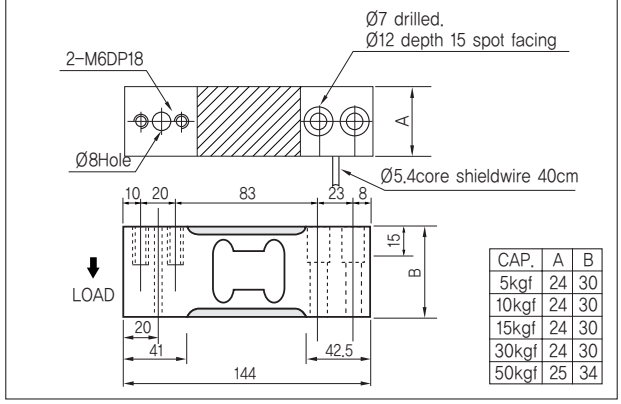


CB1 150gf, 300gf, 600gf unit:mm



CAP.	A
150gf	5
300gf	6
600gf	6

CB1 5kgf~50kgf unit:mm



CAP.	A	B
5kgf	24	30
10kgf	24	30
15kgf	24	30
30kgf	24	30
50kgf	25	34

>SPECIFICATIONS

Specifications	Accuracy		
Rated capacity(R.C)	150gf, 300gf, 600gf (1.470N, 2.942N, 5.884N)	1, 2, 3kgf (9.807N, 19.61N, 29.42N)	5, 10, 15, 30, 50kgf (49.03N, 98.07N, 147.1N, 294.2N, 490.3N)
Rated output(R.O)	1.2mV/V±1%	1mV/V±1%	1.5mV/V±1%
Nonlinearity	0.02% R.O.	0.02% R.O.	0.02% R.O.
Hysteresis	0.02% R.O.	0.02% R.O.	0.02% R.O.
Repeatability	0.02% R.O.	0.02% R.O.	0.02% R.O.
Creep	0.03% R.O./20MIN	0.03% R.O./20MIN	0.02% R.O./20MIN
Zero balance	±5% R.O.	±5% R.O.	±5% R.O.
Terminal resistance, input	420±30Ω	420±30Ω	420±30Ω
Terminal resistance, output	350±2Ω	350±2Ω	350±2Ω
Insulation resistance	2000MΩ	2000MΩ	2000MΩ
Temperature range, compensated	0~+40℃	-10~+50℃	-10~+50℃
Temperature range, safe	-10~+50℃	-10~+50℃	-10~+50℃
Temperature effect, on zero balance	0.03% R.O./10℃	0.03% R.O./10℃	0.03% R.O./10℃
Temperature effect, on rated output	0.02% LOAD/10℃	0.02% LOAD/10℃	0.02% LOAD/10℃
Excitation recommended	10V DC	10V DC	10V DC
Safe overload	150% R.C.	150% R.C.	150% R.C.
Cable length	Ø3, CORE SHIELD CABLE, 40cm	Ø3, CORE SHIELD CABLE, 40cm	Ø3, CORE SHIELD CABLE 40cm
Allowable maximum Platform size	Ø80	200 X 200mm	300 X 300mm
Weight	200g	300g	400g
Wiring Information	EXC+ : RED, EXC- : White, SIG+ : Black, SIG- : Green		

★Specifications are subject to change without notice.

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