

# LOAD CELLS / FORCE TRANSDUCERS AND ACCESSORIES

No.35, 2010

# ZEMIC

Measuring Excellence Worldwide

[www.zemic.com.cn](http://www.zemic.com.cn)

[www.zemic.com.cn](http://www.zemic.com.cn)

AVIATION INDUSTRY COOPERATION OF CHINA

ZHONGHANG ELECTRONIC MEASURING INSTRUMENTS CO., LTD.

Add: No.66, Zhongyuan Road, Puzhen, Hanzhong  
723007, Shaanxi, China  
Tel:+86-916-2577212  
Fax:+86-916-2577213  
Email: zemic@zemic.com.cn

 4008600111

ZEMIC Europe B.V:  
Add:Leerlooierstraat 8,Etten-Leur,Netherlands.  
4871EN.  
Tel: 31-76-5039480  
Fax: 31-76-5039481  
E-mail: info@zemic.nl

ZEMIC USA:  
Add: 12000 Slauson Ave.#15, Santa Fe Springs,  
CA 90670, USA.  
Tel: 1-562-464-9416  
Fax: 1-562-464-9415  
E-mail: SEDJC@AOL.COM



AVIATION INDUSTRY COOPERATION OF CHINA  
ZHONGHANG ELECTRONIC MEASURING INSTRUMENTS CO., LTD.



# Quality Policy

Customer First  
Developing and Improving Continuously  
Offering High Quality Products and Service



**ZEMIC**  
Measuring Excellence Worldwide

## Brief Introduction

Established in 1965, Zhonghang Electronic Measuring Instruments Co., Ltd (ZEMIC) is one of the backbone enterprises in China aviation industry. ZEMIC is a diversified modern high-tech enterprise, specialized in electronic measuring instruments such as strain gages, load cells, transportation testing facilities, weighing system for aero industry and portable weigh pads. It is the leading manufacturer of load cells and strain gages; meanwhile it is the vice-council entity of China Weighing Instrument Association.

Relying on the self-developed strain gage manufacturing technology, through network calibration and management in the production line, adopting advanced test and control methods, ZEMIC realized to compensated and calibrate each individual load cells. Based on lots models of high accurate load cells with independent intellectual property rights and self-developed technologies, ZEMIC established its leading position in the field of load cell manufacturing of national market. The main products, strain gages and load cells have been produced in accordance with RoHS directives. 27 models load cells have gained OIML R60 certificates and 4 models have gained NTEP certificates, 89 models have passed the metrology type approval of Ukraine, 52 models have passed the metrology type approval of Russia, 68 models have passed the anti-explosion approval, 71 models have passed the CE approval, 57 models of load cells have gained the FM, cFM anti-explosion certificates, meanwhile 58 models of load cells have gained ATEX anti-explosion certificates.

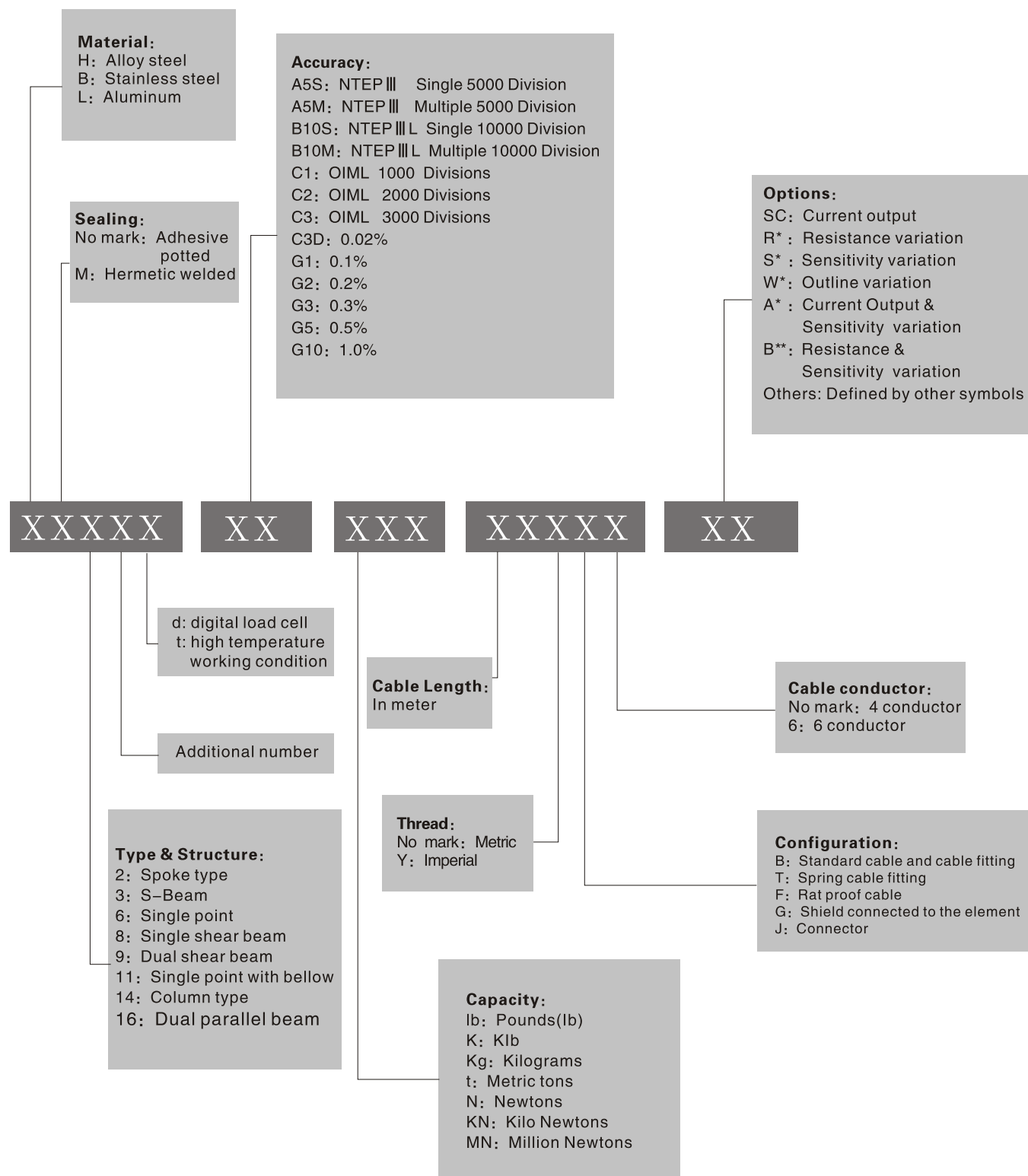
With advanced equipments and the biggest scope of strain gages and load cells production line, ZEMIC has possessed the capability of producing 30 million pieces of strain gages and 1 million units of industrial and commercial load cells and 5 million miniature sensors annually.

Supported by the direct sales network nationwide and distributors around the world, and its subsidiaries ZEMIC Europe and ZEMIC USA, ZEMIC is offering high quality products and good service to the increasing customers in home and abroad. It has become the biggest weighing apparatus components manufacturer in China, and also one of the biggest strain gages and load cells supplier in the world.

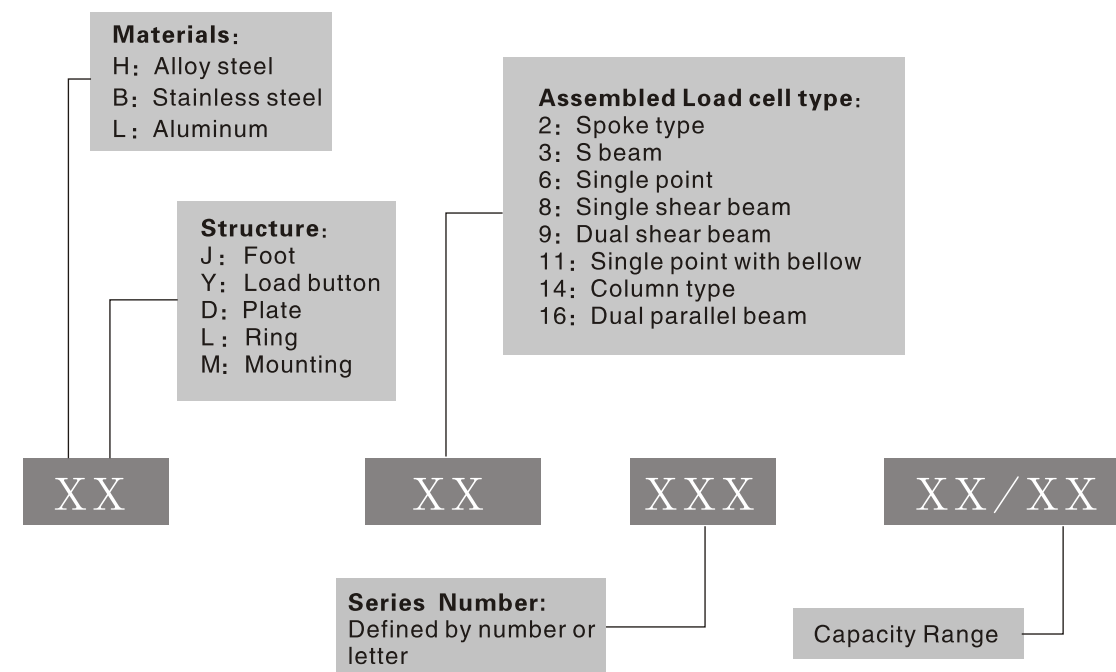
Committing itself to technique innovation and comprehensive improvement, offering the strongest support and superior service for China and world's weighing apparatus and measuring industry, ZEMIC dedicates on promoting the electronic measuring technology development and fulfilling the ideology of "Measuring Excellence Worldwide."



# Naming System of Load Cell / Force Transducers



# Naming System of Weighing Assembly



## Load Cell Protection Class

Reference to National Standard of the Cover Protection Class System(P.R.C)  
Equal to IEC529 Standard(International Electrotechnical Commission)

Class	Protection Level		Experimental Method	ZEMIC Achieved Protection Class
	Description	Meanings		
5	Water-sprinkle proof	Not be affected by the water-sprinkle from any directions in a short time	 Continually spray water from any directions more than 15 minutes	Adhesive sealed common load cells could achieve
6	Water-sprayed protection	Not be affected by the strong water-spray from any directions in a short time	 Continually spray water from any directions more than 15 minutes	Cover sealed inner adhesive protected load cells could achieve
7	Soggy Proof	Not be affected by inundating into water in a stated pressure and time	 Inundate into 1 meter deep water for 30 minutes	Cover(or bellow) welded, inner adhesive protected load cells could achieve. Besides of oil-proof, water proof, it also can proof the common corrosive gas and medium
8	Diving Proof	Can dived into water for a long time	Decided individually	Special required load cells could be customized

IP-6-□  
Soggy Protection class  
Dust-proof(dust could not be introduced to the inner part.)  
International protection



# Table of contents

## Load cells/Force transducers

H2A	1	BM6A	39
H2D	2	BM6E	40
HM2D4	3	BM6G	41
H2F	4	HM8	42
H3	5	H8C	43
H3F	6	HM8C	44
B3G	7	B8D	45
H3G	8	BM8D	46
BM3	9	H8H	47
L3V	10	BM8H	48
L6B	11	H8Q	49
L6C	12	B8Q	50
L6D	13	B9B1	51
L6D21	14	HM9A	52
L6E	15	HM9B	53
B6E	16	B9C	54
H6E	17	H9C	55
L6E3	18	HM9C	56
B6E3	19	B9D	57
H6E3	20	H9D	58
L6F	21	B9E	59
B6F	22	HM9E	60
H6F	23	B9F	61
L6G	24	B9H	62
B6G	25	H9H	63
H6G	26	B9N	64
B6G5	27	H9N	65
H6G5	28	BM11	66
L6H5	29	HM11	67
L6J	30	BM14A	68
L6J1	31	BM14C	69
L6L	32	HM14C	70
L6N	33	BM14D	71
B6N	34	BM14G	72
L6Q	35	HM14H	73
B6Q	36	BM14K	74
L6T	37		
L6W	38		

## Accessories

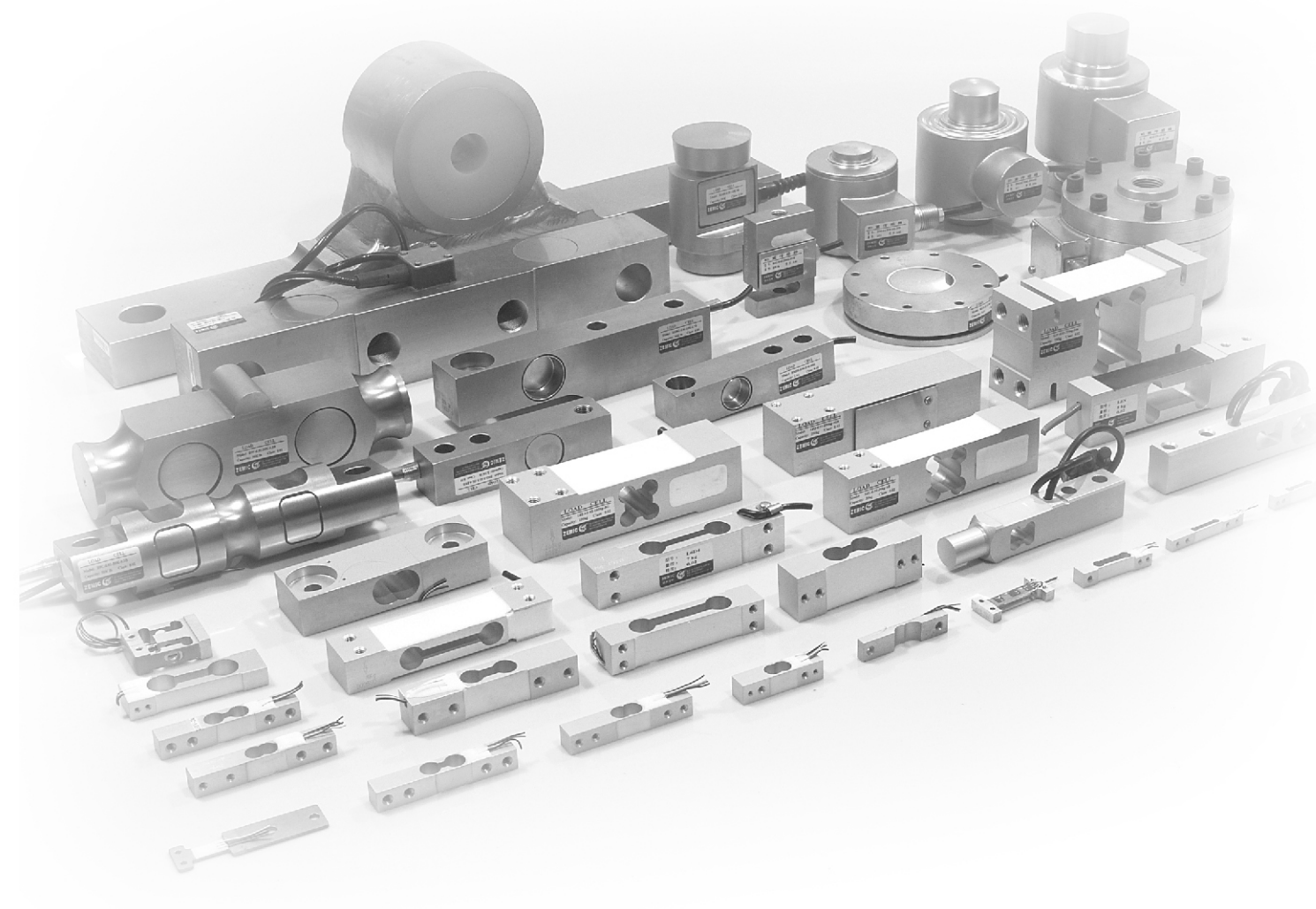
HL-3-001	75	BY-14-102	88
HL-3-002	75	BY-14-103	89
HL-3-003	76	HY-14-104	89
HL-3-004	76	BY-14-105	90
HL-3-005	77	BY-14-106	90
HJ-8-201	78	BY-14-108	91
BJ-8-202	78	BY-14-109	92
HJ-8-203	79	BY-14-117	93
BJ-8-205	79	HM-2-401	94
BJ-8-206	80	HM-8-401	95
BJ-8-207	80	HM-8-402	96
HJ-8-213	81	BM-8-404	97
BJ-8-215	81	BM-8-406	98
HJ-8-216	82	BM-8-411	99
HJ-8-217	82	BM-8-412	100
HJ-8-218	83	HM-9-401	101
BJ-8-219	83	BM-9-402	102
BJ-8-220	84	HM-9-403	103
HD-8-301	84	BM-9-404	104
HY-8-101	85	BM-11-401	105
HY-8-102	85	BM-11-402	106
BY-8-104	86	HM-14-401	107
HY-8-105	86	HM-14-403	108
BY-8-106	87	HM-14-410	109
BY-14-101	87	BM-14-414	110

## Junction box

JB01	111
JB02	112
JB05A	113
JB06	114
JB07	115

## Transmitter

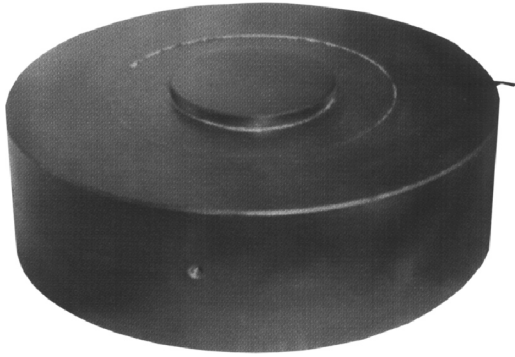
FD-3	116
FD-4	117
FD-5	118



# ZEMIC



# H2A



- H2A load cells are available in the manifold accurate measurement in the capacities 1MN to 5MN.
- Alloy steel, surface bluing treatment, spray painted, oil-proof, waterproof and anti-corrosion, suitable for groundsill measuring and other engineering measuring fields.
- Spoke type, easy installation, suitable for special force measuring equipments.
- Safety and anti-explosive product, can be used in atrocious environments and hazardous areas.

### Features

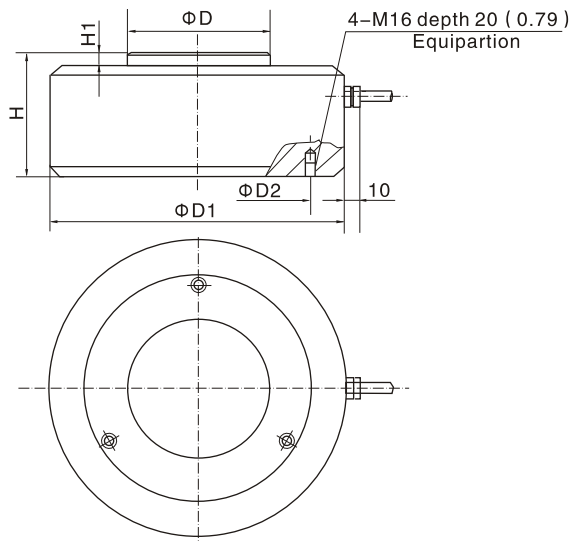
- Capacities: 1MN ~ 5MN
- Alloy steel construction
- High reliability and long life span



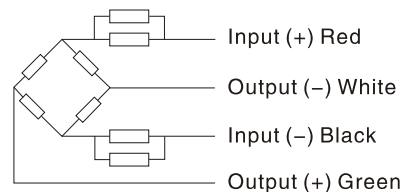
### Specifications

Capacity	MN	1/2/3/4/5		
Accuracy		G1	G2	G3
Combined error	(%FS)	0.1%	0.2%	0.3%
Creep	(%FS/30min)	0.05%	0.05%	0.05%
Temperature effect on sensitivity	(%FS/10°C)	0.05%	0.1%	0.2%
Temperature effect on zero	(%FS/10°C)	0.05%	0.1%	0.2%
Output sensitivity	(mv/v)	≥2.0		
Input resistance	(Ω)	1072±5		
Output resistance	(Ω)	1050±5		
Insulation resistance	(MΩ)	≥5000(50VDC)		
Zero balance	(%FS)	1.0		
Temperature, compensated	(°C)	-10~+40		
Temperature, operating	(°C)	-35~+70		
Excitation, recommended	(V)	5~12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		

### Outline Dimension mm(inch)



Capacity(t)	100	200	300	400	500
D	59 (2.32)	78 (3.07)	91 (3.58)	110 (4.33)	133 (5.24)
D1	260 (10.24)	290 (11.42)	330 (12.99)	400 (15.75)	400 (15.75)
D2	200 (7.87)	225 (8.86)	251 (9.88)	296 (11.65)	307 (12.09)
H	80 (3.15)	104 (4.09)	123 (4.84)	132 (5.20)	132 (5.20)
H1	10 (0.39)	10 (0.39)	10 (0.39)	10 (0.39)	10 (0.39)



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 5m





- H2D load cells are available for manifold accurate measurement in the capacities 5t~20t.
- Alloy steel, sealed by adhesive, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Spoke type, easy installation, suitable for crane scale, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

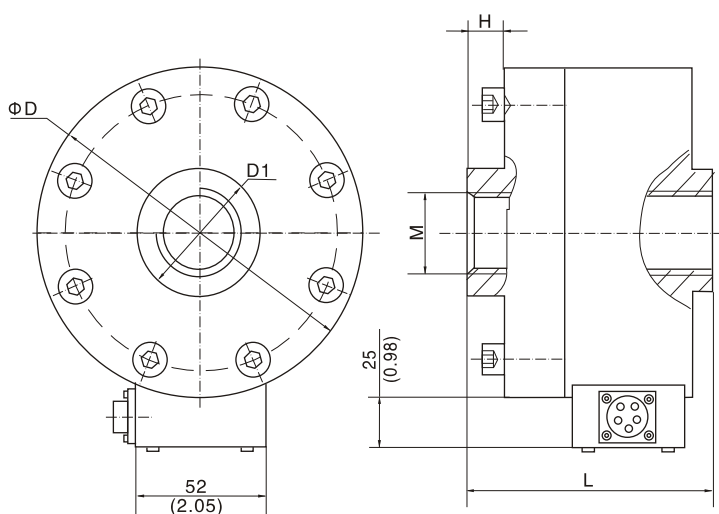
### Features

- Capacity: 5t~20t
- Alloy steel construction
- High accuracy

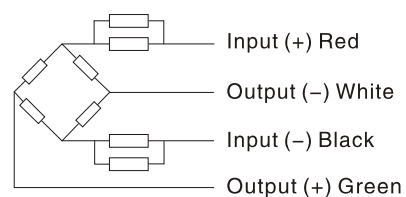
### Specifications

Capacity	t	5/10/20		
Accuracy		C1	C2	C3
Maximum number of verification intervals	n <sub>max</sub>	1000	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /3000	E <sub>max</sub> /5000	E <sub>max</sub> /7500
Combined error	(%FS)	≤ ±0.050	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.038	≤ ±0.023	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.028	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.047	≤ ±0.029	≤ ±0.019
Output sensitivity	(mv/v)	2.0 ± 0.008		
Input resistance	(Ω)	750 ± 10		
Output resistance	(Ω)	700 ± 5		
Insulation resistance	(MΩ)	≥ 5000(50VDC)		
Zero balance	(%FS)	1.0		
Temperature, compensated	(°C)	-10 ~ +40		
Temperature, operating	(°C)	-35 ~ +70		
Excitation, recommended	(V)	5 ~ 12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		

### Outline Dimension mm(inch)



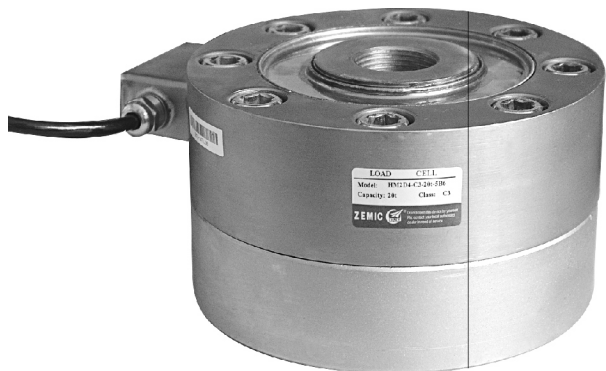
Capacity (t)	Dimension (mm)				
	L	D	D1	M	H
5	83 (3.27)	128 (5.04)	45 (1.77)	M24×2	8 (0.31)
10	150 (5.91)	160 (6.03)	60 (2.36)	M39×2	30 (1.18)
20	220 (8.66)	200 (7.78)	80 (2.99)	M60×2	60 (2.36)



### Wiring:

Five-wire connector  
Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 5m(5,10t), 10m(20t)

# HM2D4



- HM2D4 load cells are available for manifold accurate measurement in the capacities 0.5t~20t.
- Alloy steel, completely welded, oil-proof, waterproof and anti-corrosive gas and medium, suitable for all kinds of environments.
- Spoke type, suitable for electronic truck scales, hopper scales, automotive testing equipments, and other electronic weighing or force measuring fields.

### Features

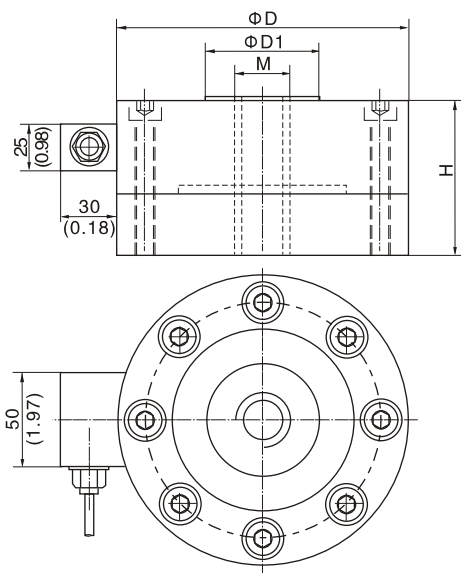
- Capacity: 0.5t~20t
- High accuracy
- Alloy steel construction
- Low profile



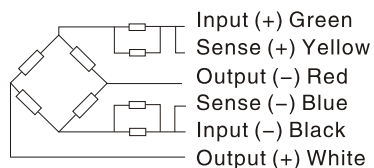
### Specifications

Capacity	t	0.5/1/2/5/10/20		
Accuracy		G1	C1	C2
Maximum number of verification intervals	n <sub>max</sub>	1000	1000	2000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /2000	E <sub>max</sub> /3000	E <sub>max</sub> /5000
Combined error	(%FS)	≤ ±0.050	≤ ±0.050	≤ ±0.030
Creep	(%FS/30min)	≤ ±0.050	≤ ±0.038	≤ ±0.024
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.050	≤ ±0.028	≤ ±0.017
Temperature effect on zero	(%FS/10°C)	≤ ±0.050	≤ ±0.047	≤ ±0.023
Output sensitivity	(mv/v)	2.0±0.002		
Input resistance	(Ω)	350±3		
Output resistance	(Ω)	351±2		
Insulation resistance	(MΩ)	≥5000(50VDC)		
Zero balance	(%FS)	1.0		
Temperature, compensated	(°C)	-10~+40		
Temperature, operating	(°C)	-35~+70		
Excitation, recommended	(V)	5~12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		

### Outline Dimension mm(inch)



Dimension (mm) Capacity(t)	ΦD	ΦD1	H	M
0.5t ~ 2t	105 (4.13)	28 (1.10)	70 (2.76)	M14×2
5t	120 (4.72)	33 (1.3)	80 (3.15)	M20×1.5
10t,20t	155 (6.10)	60.5 (2.38)	90 (3.54)	M32×2



### Wiring:

Adopt shielded, 6 conductor cable: Φ5.6mm  
Standard cable length: 5m





- H2F load cells are available for manifold accurate measurement in the capacities 1t~50t.
- Alloy steel, potted with adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Spoke type, easy installation, suitable for electronic truck scales, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 1t~50t
- Alloy steel construction
- High accuracy

### Accessory

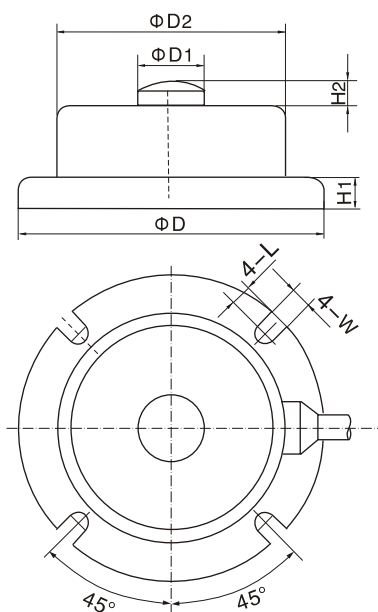
- HM-2-401
- BM-2-402



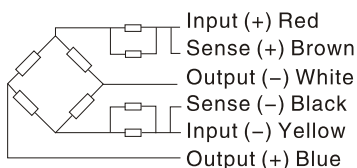
### Specifications

Capacity	t	15/20/30/50	5/10	1/2/3
Accuracy		C1	C2	C3
Maximum number of verification intervals	n <sub>max</sub>	1000	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /3000	E <sub>max</sub> /5000	E <sub>max</sub> /7500
Combined error	(%FS)	≤ ±0.050	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.038	≤ ±0.023	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.028	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.047	≤ ±0.029	≤ ±0.019
Output sensitivity	(mv/v)	2.0±0.01		
Input resistance	(Ω)	770±30		
Output resistance	(Ω)	700±5		
Insulation resistance	(MΩ)	≥5000(50VDC)		
Zero balance	(%FS)	1.5		
Temperature, compensated	(°C)	-10~+40		
Temperature, operating	(°C)	-35~+70		
Excitation, recommended	(V)	5~12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		

### Outline Dimension mm(inch)



Capacity(t)	Dimension(mm)							
	D	D1	D2	H	H1	H2	L	W
1	115 (4.53)	22 (0.87)	86 (3.39)	43 (1.69)	12 (0.47)	5 (0.2)	8 (0.31)	8.4 (0.33)
2	120 (4.72)	26 (1.02)	90 (3.54)	45 (1.77)	12 (0.47)	5 (0.2)	8 (0.31)	8.4 (0.33)
3	128 (5.04)	20 (0.79)	100 (3.94)	46 (1.81)	8 (0.31)	5 (0.2)	7 (0.28)	10.4 (0.41)
5	128 (5.04)	20 (0.79)	100 (3.94)	46 (1.81)	8 (0.31)	5 (0.2)	7 (0.28)	10.4 (0.41)
10	160 (6.3)	40 (1.57)	120 (4.72)	63 (2.48)	15 (0.59)	10 (0.39)	10 (0.39)	10.4 (0.41)
15	194 (7.64)	42 (1.65)	154 (6.06)	68 (2.68)	20 (0.79)	10 (0.39)	12 (0.47)	12.4 (0.49)
20	220 (8.66)	44 (1.73)	170 (6.69)	73 (2.87)	22 (0.87)	10 (0.39)	12 (0.47)	12.4 (0.49)
30	230 (9.06)	48 (1.89)	188 (7.4)	78 (3.07)	25 (0.98)	10 (0.39)	12 (0.47)	12.4 (0.49)
50	264 (10.39)	52 (2.05)	214 (8.43)	90 (3.54)	30 (1.18)	10 (0.39)	12 (0.47)	12.4 (0.49)



### Wiring:

Adopt shielded, 6 conductor cable: Φ6mm  
Standard cable length: 3m(1~3t), 4m(5~10t), 15m(15~50t)



- H3 load cells are available in the capacities 25kg~30t and 100lb~20Klb.
- Alloy steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- S beam design, tension and/or compression loading possible, easy installation, suitable for crane scale, mechanical conversion scale, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 25kg~30t ; 100lb~20Klb
- High accuracy
- Alloy steel construction
- Low profile
- OIML Certificates No:R60/2000-CN-00.01
- PTB Approval No:D09-03.18 Revision 2

### Accessory

- HL-3-001 • HL-3-002
- HL-3-003 • HL-3-004 • HL-3-005

### Specifications

Capacity	t	0.025/0.05/0.1/0.15/0.2/0.25/0.3/0.5/0.6/0.75/1/1.5/2/2.5/3/5/7.5/10/15/20/30						
	lb	100/200/250/300/500/750/1K/1.5K/2K/2.5K/3K/5K/10K/15K/20K						
Accuracy		C2	C3	C4	A5S	A5M	B10S	B10M
Approvals			OIML R60 C3	OIML R60 C4				
Maximum number of verification intervals	nmax	2000	3000	4000	5000	5000	10000	10000
Minimum load cell verification interval	Vmin	Emax/5000	Emax/10000	Emax/14000	Emax/15000	Emax/15000	Emax/10000	Emax/10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.018	≤±0.018	≤±0.026	≤±0.035	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.012	≤±0.012	≤±0.017	≤±0.030	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.009	≤±0.009	≤±0.013	≤±0.030	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.010	≤±0.010	≤±0.014	≤±0.030	≤±0.020
Output sensitivity	(mv/v)	2.0±0.004(Metric)			3.0±0.008(Imperial)			
Input resistance	(Ω)	350±3.5						
Output resistance	(Ω)	351±2.0						
Insulation resistance	(MΩ)	≥5000(50VDC)						
Zero balance	(%FS)	1.5(Metric)			1.0 (Imperial)			
Temperature, compensated	(°C)	-10~+40						
Temperature, operating	(°C)	-35~+70						
Excitation, recommended	(V)	5~12(DC)						
Excitation, max	(V)	18(DC)						
Safe overload	(%FS)	150						
Ultimate overload	(%FS)	300						

### Outline Dimension mm(inch)

25kg~5t 0.1~20Klb

7.5t~30t

Capacity	Dimension (mm)		H	L	W1	W	M	H1 ± 0.4
25 ~ 50kg	76.2(3.0)	50.8(2.0)	12.7(0.5)	16.1(0.63)	M8	15.7(0.62)		
0.1 ~ 0.15t	76.2(3.0)	50.8(2.0)	19.0(0.75)	22.4(0.88)	M10 × 1.5	15.3(0.60)		
0.2 ~ 0.75t	76.2(3.0)	50.8(2.0)	19.0(0.75)	22.4(0.88)	M12 × 1.75	13.6(0.54)		
1 ~ 1.5t	76.2(3.0)	50.8(2.0)	25.4(1.0)	28.8(1.13)	M12 × 1.75	12.1(0.48)		
2 ~ 5t	101.6(4.0)	76.2(3.0)	25.4(1.0)	28.8(1.13)	M20 × 1.5	20(0.79)		
7.5 ~ 10t	175(6.89)	125(4.92)	50(1.97)	/	M33 × 3	40.2(1.58)		
15 ~ 20t	200(7.89)	160(6.3)	60(2.36)	/	M42 × 3	51(2.01)		
30t	230(9.06)	190(7.48)	80(3.15)	/	M42 × 3	57.5(2.26)		
100 ~ 300lb	63.5(2.5)	50.8(2.0)	12.7(0.5)	15.9(0.63)	1/4-28UNF	10.1(0.4)		
500lb	63.5(2.5)	50.8(2.0)	19.05(0.75)	22.25(0.88)	1/2-20UNF			
0.75 ~ 1.5Klb	63.5(2.5)	50.8(2.0)	19.05(0.75)	22.25(0.88)	1/2-20UNF			
2 ~ 2.5Klb	63.5(2.5)	50.8(2.0)	25.4(1.0)	28.6(1.13)	1/2-20UNF			
3Klb	101.6(4.0)	76.2(3.0)	25.4(1.0)	28.6(1.13)	1/2-20UNF	15.24(0.6)		
5 ~ 10Klb	101.6(4.0)	76.2(3.0)	25.4(1.0)	28.6(1.13)	3/4-16UNF	15.24(0.6)		
15Klb	139.7(5.5)	101.6(4.0)	31.75(1.25)	34.95(1.38)	1-14UNS	31(1.22)		
20Klb	177.8(7.0)	127(5.0)	50.8(2.0)	54(2.13)	1 1/4-12UNF	39.9(1.57)		

**Wiring:**  
Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 3m(0.025 ~ 0.75t),  
6m(1 ~ 30t)(0.1 ~ 20Klb)





- H3F load cells are available in the capacities 0.1t~5t and 250lb~20Klb.
- Alloy steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- S beam design, tension and/or compression loading possible, easy installation, suitable for crane scale, mechanical conversion scale, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 0.1t~5t;250lb~20Klb
- High accuracy
- Alloy steel construction
- Low profile

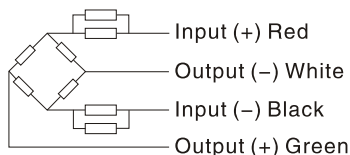
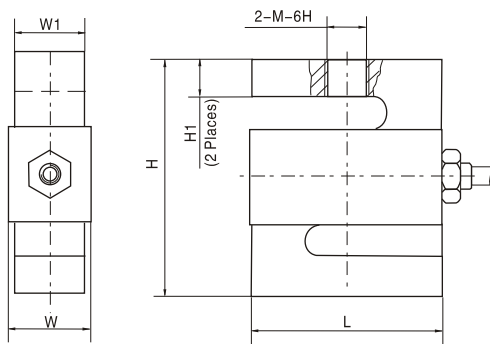
### Accessory

- HL-3-001 • HL-3-002
- HL-3-003 • HL-3-004 • HL-3-005

### Specifications

Capacity	t	0.1/0.25/0.5/0.75/1/1.5/2/2.5/5					
	lb	250/500/750/1K/1.5K/2K/2.5K/3K/5K/7.5K/10K/15K/20K					
Accuracy		C2	C3	A5S	A5M	B10S	B10M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000	E <sub>max</sub> /10000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026	≤ ±0.035	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017	≤ ±0.030	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013	≤ ±0.030	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014	≤ ±0.030	≤ ±0.020
Output sensitivity	(mv/v)	3.0±0.008					
Input resistance	(Ω)	350±3.5					
Output resistance	(Ω)	351±2.0					
Insulation resistance	(MΩ)	≥5000(50VDC)					
Zero balance	(%FS)	1.0					
Temperature, compensated	(°C)	-10~+40					
Temperature, operating	(°C)	-35~+70					
Excitation, recommended	(V)	5~12(DC)					
Excitation, max	(V)	18(DC)					
Safe overload	(%FS)	150					
Ultimate overload	(%FS)	300					

### Outline Dimension mm(inch)



**Wiring:**  
Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 6m

Capacity	H	w	w1	L	H1	M
100kg	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	15.8(0.62)	M10×1.5
250kg	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	15.12(0.6)	M12×1.75
500kg	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	14.2(0.56)	M12×1.75
750kg	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	13.46(0.53)	M12×1.75
1000kg	76.2(3)	27(1.06)	25.4(1)	50.8(2)	13.24(0.52)	M12×1.75
1500kg	76.2(3)	27(1.06)	25.4(1)	50.8(2)	11.82(0.47)	M12×1.75
2000kg	108(4.25)	27(1.06)	25.4(1)	76.2(3)	26.7(1.05)	M18×1.5
2500kg	108(4.25)	27(1.06)	25.4(1)	76.2(3)	25.48(1)	M18×1.5
5000kg	108(4.25)	27(1.06)	25.4(1)	76.2(3)	20.26(0.8)	M18×1.5
250lb	76.2(3)	14.3(0.56)	12.7(0.5)	50.8(2)	15.69(0.62)	3/8-24UNF-2B
500lb	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	15.25(0.6)	1/2-20UNF-2B
750lb	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	14.95(0.59)	1/2-20UNF-2B
1K	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	14.4(0.57)	1/2-20UNF-2B
1.5K	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	13.75(0.54)	1/2-20UNF-2B
2K	76.2(3)	27(1.06)	25.4(1)	50.8(2)	13.4(0.53)	1/2-20UNF-2B
2.5K	76.2(3)	27(1.06)	25.4(1)	50.8(2)	13.03(0.51)	1/2-20UNF-2B
3K	76.2(3)	27(1.06)	25.4(1)	50.8(2)	12.39(0.49)	1/2-20UNF-2B
5K	108(4.25)	27(1.06)	25.4(1)	76.2(3)	27.18(1.07)	3/4-16UNF-2B
7.5K	108(4.25)	27(1.06)	25.4(1)	76.2(3)	25.78(1.01)	3/4-16UNF-2B
10K	108(4.25)	27(1.06)	25.4(1)	76.2(3)	23.88(0.94)	3/4-16UNF-2B
15K	140(5.51)	33.4(1.31)	31.8(1.25)	100(3.94)	31(1.22)	1-14UNS-2B
20K	177.8(7)	50.9(2)	49.3(1.94)	125.5(4.94)	39.9(1.57)	1-1/4-12UNF-2B



- B3G load cells are available in the capacities 50kg ~ 10t and 50lb ~ 20Klb.
- Stainless steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- S beam design, tension and/or compression loading possible, easy installation, suitable for crane scale, mechanical conversion scale, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 50kg ~ 10t ; 50lb ~ 20Klb
- High accuracy
- Stainless steel construction
- Low profile
- OIML Certificates No: R60/2000-CNI-06.02
- PTB Approval No: D09-06.07
- NTEP Certificates No: CC06-099

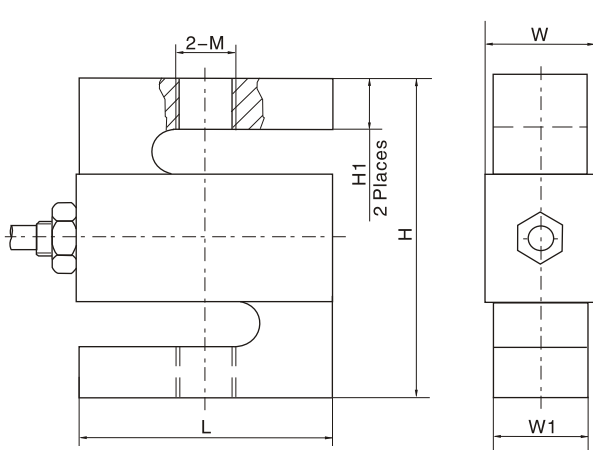
### Accessory

- HL-3-001 • HL-3-002
- HL-3-003 • HL-3-004 • HL-3-005

### Specifications

Capacity	t	0.05/0.1/0.25/0.5/1/2.5/5/7.5/10						
	lb	50/75/100/150/200/250/300/500/750/1K/1.5K/2K/2.5K/3K/5K/7.5K/10K/15K/20K						
Accuracy		C2	C3	C4	A5S	A5M	B10S	B10M
Approvals		OIML R60 C3			III 5000 Single	III 5000 Multiford	IIIL 10000 Single	IIIL 10000 Multiford
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	5000	5000	10000	10000
Minimum load cell verification interval	v <sub>min</sub>	Emax/5000	Emax/10000	Emax/14000	Emax/15000	Emax/15000	Emax/10000	Emax/10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.018	≤±0.018	≤±0.026	≤±0.035	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.012	≤±0.012	≤±0.017	≤±0.030	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.009	≤±0.009	≤±0.013	≤±0.030	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.010	≤±0.010	≤±0.014	≤±0.030	≤±0.020
Output sensitivity	(mv/v)	3.0±0.008						
Input resistance	(Ω)	430±60						
Output resistance	(Ω)	351±2.0						
Insulation resistance	(MΩ)	≥5000(50VDC)						
Zero balance	(%FS)	1.0						
Temperature, compensated	(°C)	-10~+40						
Temperature, operating	(°C)	-35~+70						
Excitation, recommended	(V)	5~12(DC)						
Excitation, max	(V)	18(DC)						
Safe overload	(%FS)	150						
Ultimate overload	(%FS)	300						

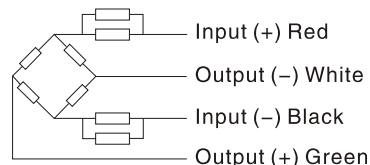
### Outline Dimension mm(inch)



Capacity	Dimension mm	L	H	W1	W	M	H1
50kg, 100kg		50.8	60.96	11.68	15.06	M8	8.89 (0.35)
50lb ~ 300lb		(2.0)	(2.4)	(0.46)	(0.59)	1/4-28UNF	
250kg, 500kg		50.8	60.96	18.03	21.4	M12	
500lb ~ 1.5Klb		(2.0)	(2.4)	(0.71)	(0.84)	1/2-20UNF	
1t		50.8	60.96	24.38	27.76	M12	13.97 (0.55)
2.25Klb		(2.0)	(2.4)	(0.96)	(1.09)	1/2-20UNF	
3Klb		(3.0)	(3.9)	(0.96)	(1.09)	1/2-20UNF	
5t		74.68	99.06	30.74	34.12	M20 x 1.5	18.37(0.72)
10Klb		(2.94)	(3.9)	(1.21)	(1.34)	3/4-16UNF	15.75(0.62)
7.5t		87.38	139.7	37.08	40.46	M24 x 2	27.5
15Klb		(3.44)	(5.5)	(1.46)	(1.59)	1-14UNS	(1.08)
10t		112.78	177.8	42.93	46.31	M30 x 2	39.9
20Klb		(4.44)	(7.0)	(1.69)	(1.82)	1 1/4-12UNS	(1.57)
5Klb		76.2	99.06	24.38	27.76	3/4-16UNF	13.97 (0.55)
		(3.0)	(3.9)	(0.96)	(1.09)		

### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 6m







- H3G load cells are available in the capacities 50kg~7.5t and 50lb~20Klb.
- Alloy steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- S beam design, tension and/or compression loading possible, easy installation, suitable for crane scale, mechanical conversion scale, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 50kg~10t ; 50lb~20Klb
- High accuracy
- Alloy steel construction
- Low profile

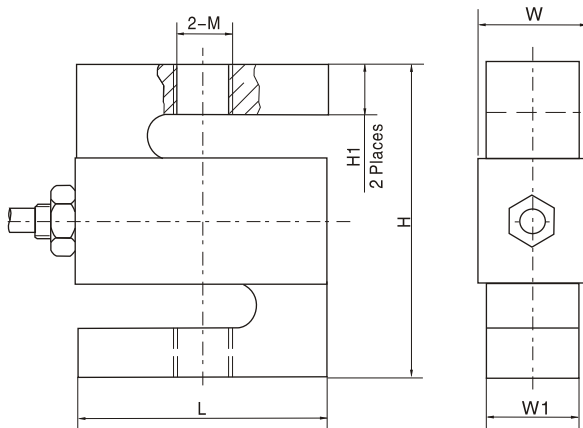
### Accessory

- HL-3-001 • HL-3-002
- HL-3-003 • HL-3-004 • HL-3-005

### Specifications

Capacity	t	0.05/0.1/0.2/0.25/0.5/1/2.5/5/7.5					
	lb	50/75/100/150/200/250/300/500/750/1K/1.5K/2K/2.5K/3K/5K/7.5K//10K/15K/20K					
Accuracy		C2	C3	A5S	A5M	B10S	B10M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000	E <sub>max</sub> /10000	E <sub>max</sub> /10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.018	≤±0.026	≤±0.035	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.012	≤±0.017	≤±0.030	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.009	≤±0.013	≤±0.030	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.010	≤±0.014	≤±0.030	≤±0.020
Output sensitivity	(mv/v)	3.0±0.008					
Input resistance	(Ω)	430±60					
Output resistance	(Ω)	351±2.0					
Insulation resistance	(MΩ)	≥5000(50VDC)					
Zero balance	(%FS)	1.0					
Temperature, compensated	(°C)	-10~+40					
Temperature, operating	(°C)	-35~+70					
Excitation, recommended	(V)	5~12(DC)					
Excitation, max	(V)	18(DC)					
Safe overload	(%FS)	150					
Ultimate overload	(%FS)	300					

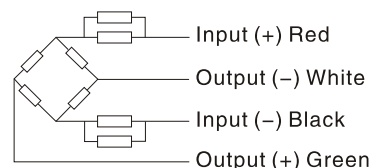
### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 6m

Capacity	Dimension mm	L	H	W1	W	M	H1
50kg, 100kg	50.8 (2.0)	63.5 (2.5)	12.7 (0.5)	16.07 (0.63)	M8	1/4-28UNF	10.16 (0.4)
50lb ~ 300lb	50.8 (2.0)	63.5 (2.5)	19.05 (0.75)	22.43 (0.88)			
200kg, 500kg	50.8 (2.0)	63.5 (2.5)	25.4 (1.0)	28.78 (1.13)	M12	1/2-20UNF	
500lb ~ 1.5Klb	50.8 (2.0)	63.5 (2.5)	25.4 (1.0)	28.78 (1.13)	M12	1/2-20UNF	
1t	50.8 (2.0)	63.5 (2.5)	25.4 (1.0)	28.78 (1.13)	M20 x 1.5	15.2 (0.6)	
2.2.5Klb	76.2 (3.0)	101.6 (4.0)	25.4 (1.0)	28.78 (1.13)	1/2-20UNF	20(0.79)	
2.5t	76.2 (3.0)	101.6 (4.0)	25.4 (1.0)	28.78 (1.13)	M20 x 1.5	15.24(0.6)	
3Klb	76.2 (3.0)	101.6 (4.0)	25.4 (1.0)	28.78 (1.13)	3/4-16UNF	30(1.18)	
5t	101.6 (4.0)	139.7 (5.5)	31.75 (1.25)	35.13 (1.38)	M24 x 2	31(1.22)	
7.5t	101.6 (4.0)	139.7 (5.5)	31.75 (1.25)	35.13 (1.38)	1-14UNS	39.9 (1.57)	
15Klb	127 (5.0)	177.8 (7.0)	50.8 (2.0)	54.6 (2.15)	1 1/4 -12UNF		



# BM3



- BM3 load cells are available in the capacities 500kg~7.5t.
- Stainless steel, hermetically welded, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- S beam design, tension and/or compression loading possible, easy installation, suitable for electronic crane scale, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 500kg ~ 7.5t
- High accuracy
- Stainless steel construction
- Low profile
- PTB Approval NO:D09-08.01

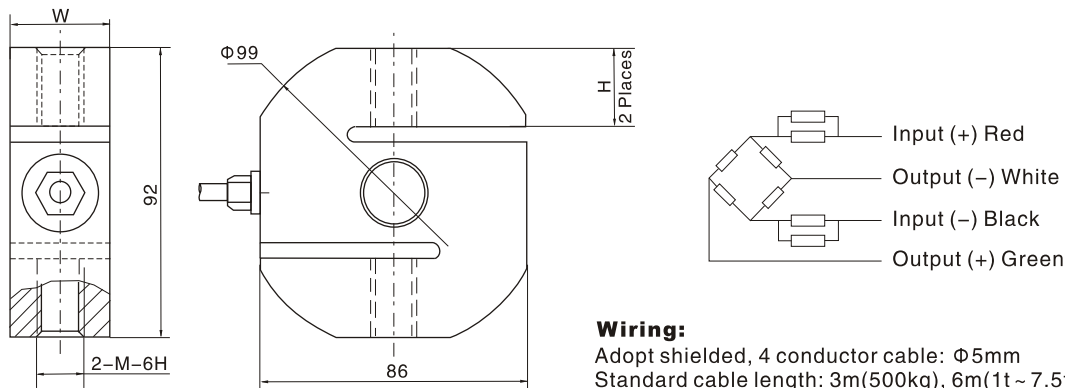
### Accessory

- HL-3-001 • HL-3-002
- HL-3-003 • HL-3-004 • HL-3-005

### Specifications

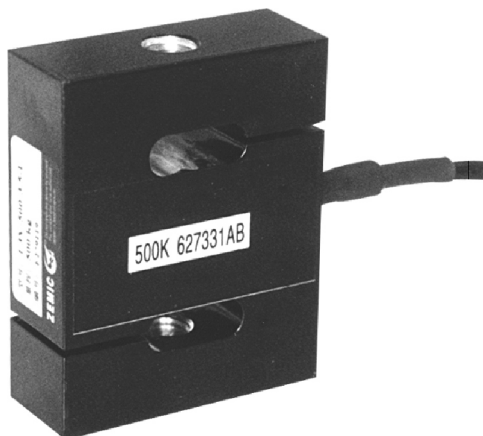
Capacity	t	0.5/1/2/3/4/5/6/7.5					
Accuracy		C2	C3	A5S	A5M	B10S	B10M
Approvals		OIML R60 C3					
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000	E <sub>max</sub> /10000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026	≤ ±0.035	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017	≤ ±0.030	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013	≤ ±0.030	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014	≤ ±0.030	≤ ±0.020
Output sensitivity	(mv/v)	2.0 ± 0.004					
Input resistance	(Ω)	350 ± 3.5					
Output resistance	(Ω)	351 ± 2.0					
Insulation resistance	(MΩ)	≥ 5000(50VDC)					
Zero balance	(%FS)	1.5					
Temperature, compensated	(°C)	-10 ~ +40					
Temperature, operating	(°C)	-35 ~ +70					
Excitation, recommended	(V)	5 ~ 12(DC)					
Excitation, max	(V)	18(DC)					
Safe overload	(%FS)	150					
Ultimate overload	(%FS)	300					

### Outline Dimension mm(inch)



Capacity (t)	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.5
Dimension (mm)								
W	32(1.26)	32(1.26)	32(1.26)	32(1.26)	36(1.42)	50(1.97)	50(1.97)	50(1.97)
M	M12 x 1.75	M12 x 1.75	M20 x 1.5	M20 x 1.5	M20 x 1.5	M24 x 2	M24 x 2	M24 x 2
H	25(0.98)	25(0.98)	25(0.98)	25(0.98)	25(0.98)	24(0.94)	24(0.94)	24(0.94)





- L3V load cells are available in the capacities 200kg and 500kg.
- Aluminum material, sealed with silicon adhesive, surface spraying plastic with good resistance against corrosion.
- Integral construction, easy installation.
- Suitable for textile machinery measuring and other electronic measuring fields.

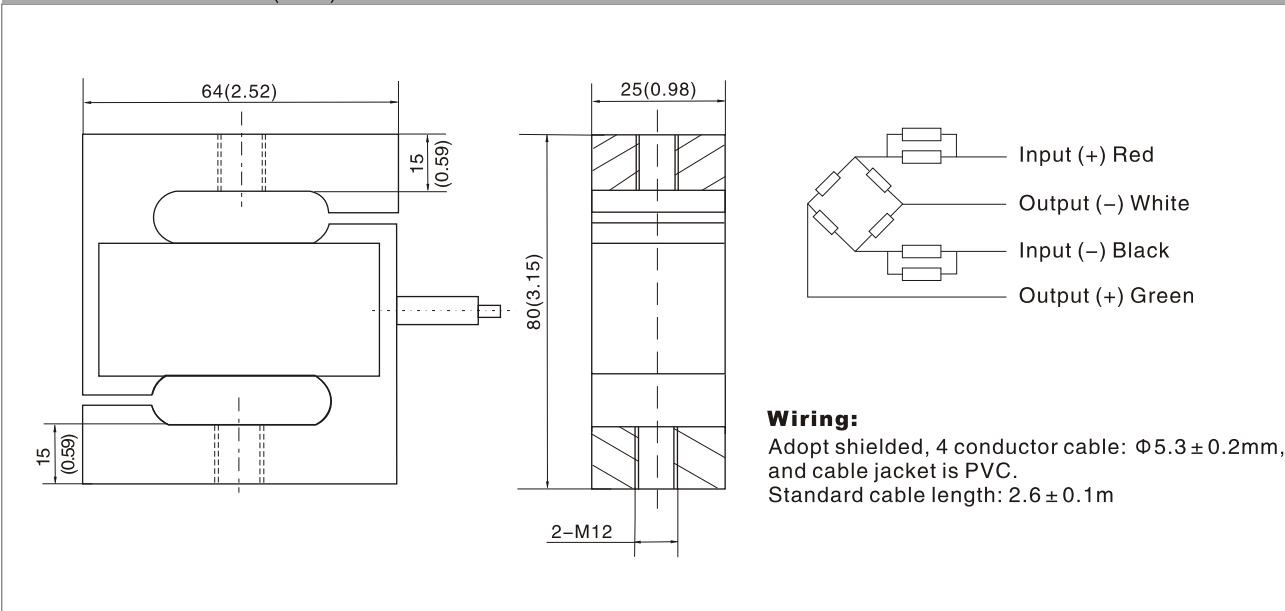
### Features

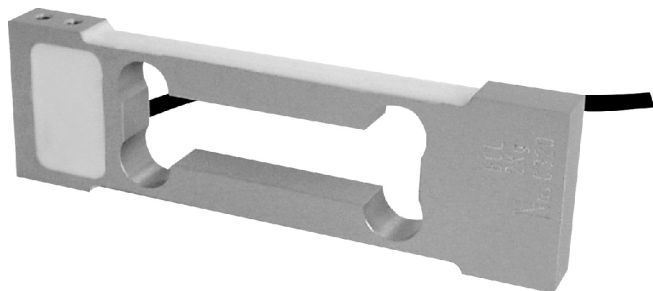
- Capacity: 200kg, 500kg
- Aluminum S beam
- High accuracy
- High reliability



Specifications		
Capacity	kg	200/500
Accuracy		C2
Maximum number of verification intervals	n <sub>max</sub>	2000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000
Combined error	(%FS)	≤ ±0.030
Creep	(%FS/30min)	≤ ±0.024
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017
Temperature effect on zero	(%FS/10°C)	≤ ±0.023
Output sensitivity	(mV/V)	2.3 ± 0.04
Input resistance	(Ω)	410 ± 30
Output resistance	(Ω)	351 ± 2
Insulation resistance	(MΩ)	≥ 5000(50VDC)
Zero balance	(%FS)	2
Temperature, compensated	(°C)	-10 ~ +40
Temperature, operating	(°C)	-35 ~ +70
Excitation, recommended	(V)	5 ~ 12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300

### Outline Dimension mm(inch)





- L6B load cells are available in the capacities 0.3kg~3kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic balance and other electronic weighing devices.

### Features

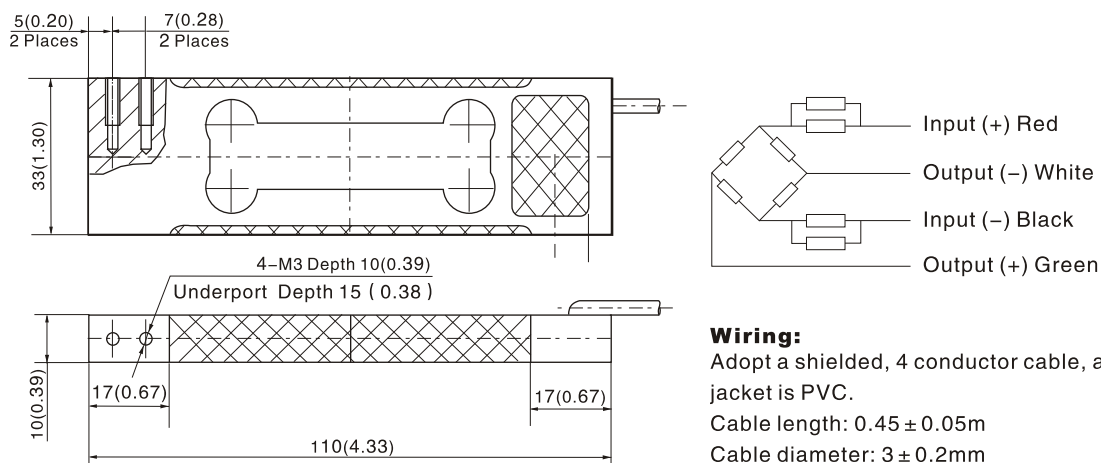
- Capacity: 0.3kg~3kg
- High accuracy
- Max. platform size: 200×200mm



### Specifications

Capacity	kg	0.3/0.6/1.2/3
Accuracy		C3D
Maximum number of verification intervals	n <sub>max</sub>	2500
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000
Combined error	(%FS)	≤ ±0.030
Creep	(%FS/30min)	≤ ±0.020
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021
Temperature effect on zero	(%FS/10°C)	≤ ±0.028
Output sensitivity	(mv/v)	0.9±0.2
Input resistance	(Ω)	406±6
Output resistance	(Ω)	350±3
Insulation resistance	(MΩ)	≥5000(50VDC)
Zero balance	(%FS)	2
Temperature, compensated	(°C)	-10~+40
Temperature, operating	(°C)	-35~+70
Excitation, recommended	(V)	5~12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300
Corner correction		0.02%load value/100mm

### Outline Dimension mm(inch)

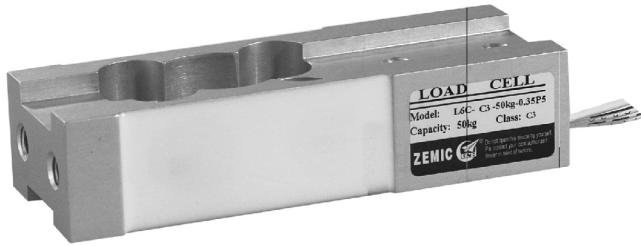


### Wiring:

Adopt a shielded, 4 conductor cable, and cable jacket is PVC.

Cable length: 0.45 ± 0.05m

Cable diameter: 3 ± 0.2mm



- L6C load cells are available in the capacities 3kg~50kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for pricing scale, counting scale, electronic balance and other electronic weighing devices.

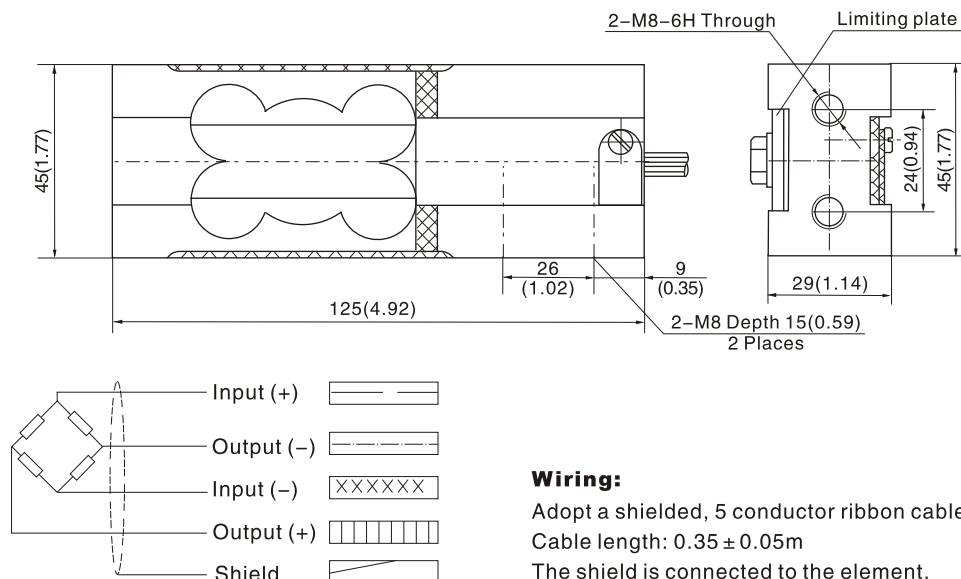
### Features

- Capacity: 3kg~50kg
- High accuracy
- Max. platform size: 450×450mm
- Installed screw request M8, 8.8 class, with oiled screw, torque 25Nm.

### Specifications

Capacity	kg	3/5/8/20/30/50		
		C3D	C3	C3G
Accuracy				
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ± 0.030	≤ ± 0.020	≤ ± 0.015
Creep	(%FS/30min)	≤ ± 0.020	≤ ± 0.0167	≤ ± 0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ± 0.021	≤ ± 0.0175	≤ ± 0.0131
Temperature effect on zero	(%FS/10°C)	≤ ± 0.028	≤ ± 0.020	≤ ± 0.0127
Output sensitivity	(mv/v)		1.9 ± 0.2	
Input resistance	(Ω)		409 ± 6	
Output resistance	(Ω)		350 ± 3	
Insulation resistance	(MΩ)		≥ 5000(50VDC)	
Zero balance	(%FS)		2	
Temperature, compensated	(°C)		-10 ~ +40	
Temperature, operating	(°C)		-35 ~ +70	
Excitation, recommended	(V)		5 ~ 12(DC)	
Excitation, max	(V)		18(DC)	
Safe overload	(%FS)		150	
Ultimate overload	(%FS)		300	
Corner correction			0.02%load value/100mm	

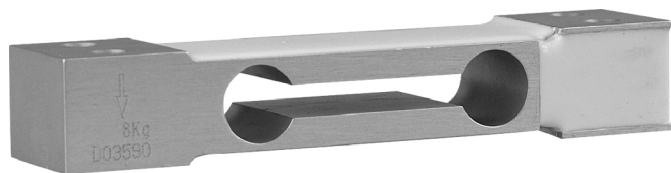
### Outline Dimension mm(inch)



### Wiring:

Adopt a shielded, 5 conductor ribbon cable.  
Cable length: 0.35 ± 0.05m  
The shield is connected to the element.





- L6D load cells are available in the capacities 2.5kg~50kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for pricing scale, platform scale and other electronic weighing devices.

### Features

- Capacity: 2.5kg~50kg
- High accuracy
- Max. platform size: 250×350mm
- OIML Certificates No:R60/2000-CN-00.05 Revision 1
- PTB Approval No:D09-03.20 Revision 1



### Specifications

Capacity	kg	2.5/3/5/6/8/10/15/20/30/35/40/50		
Accuracy		C3D	C3	C3G
Approvals			OIML R60 C3	
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.015
Creep	(%FS/30min)	≤ ±0.020	≤ ±0.0167	≤ ±0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021	≤ ±0.0175	≤ ±0.0131
Temperature effect on zero	(%FS/10°C)	≤ ±0.028	≤ ±0.020	≤ ±0.0127
Output sensitivity	(mv/v)	2.0 ± 0.2		
Input resistance	(Ω)	409 ± 6/1065 ± 15		
Output resistance	(Ω)	350 ± 3/1000 ± 10		
Insulation resistance	(MΩ)	≥ 5000(50VDC)		
Zero balance	(%FS)	2		
Temperature, compensated	(°C)	-10 ~ +40		
Temperature, operating	(°C)	-35 ~ +70		
Excitation, recommended	(V)	5 ~ 12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		
Corner correction		0.02%load value/100mm		

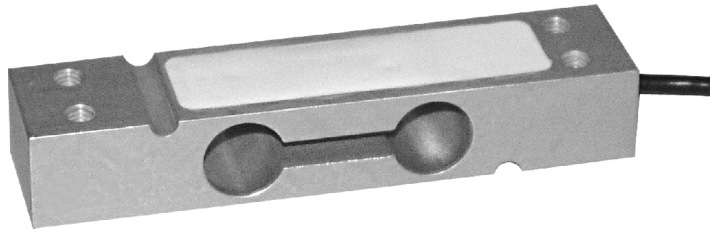
### Outline Dimension mm(inch)

Technical drawing showing the outline dimensions of the L6D load cell. The top view shows a length of 130(5.21) mm and a width of 22(0.87) mm. The side view shows a height of 30(1.18) mm. Dimensions include 15(0.59) mm for the mounting holes, 12(0.47) mm for the hole spacing, and 25(0.98) mm for the terminal spacing. There are 2 places for each of these dimensions. The drawing also indicates 4-M6-6H Through holes. A wiring diagram shows the connections: Input (+) Red, Output (-) White, Input (-) Black, and Output (+) Green.

Output resistance	Input		Output		Shield
	+	-	+	-	
1000(Ω)	R	W	G	B	Transparent
350(Ω)	R	B	G	W	

**Wiring:**  
Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
Cable length: 0.40 ± 0.05m  
Cable diameter: 3.8 ± 0.2mm

# L6D21



- L6D21 load cells are available in the capacities 3kg ~ 50kg.
- Aluminum construction with parallel beam.
- Special sealing techniques and surface anodized makes waterproof and anti-corrosion.
- Integral structure and easy installation.
- Suitable for pricing scales, platform scales and other electronic weighing devices which has high requirements for waterproof ability.

### Features

- Capacity: 3kg ~ 50kg
- Excellent waterproof ability
- High accuracy
- Max. platform size: 250 × 350mm



### Specifications

Capacity	kg	3/6/10/15/20/30/40/50		
Accuracy		C3D	C3	C3G
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.015
Creep	(%FS/30min)	≤ ±0.020	≤ ±0.0167	≤ ±0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021	≤ ±0.0175	≤ ±0.0131
Temperature effect on zero	(%FS/10°C)	≤ ±0.028	≤ ±0.020	≤ ±0.0127
Output sensitivity	(mv/v)	2.0 ± 0.2		
Input resistance	(Ω)	409 ± 6		
Output resistance	(Ω)	350 ± 3		
Insulation resistance	(MΩ)	≥ 5000(50VDC)		
Zero balance	(%FS)	2		
Temperature, compensated	(°C)	-10 ~ +40		
Temperature, operating	(°C)	-35 ~ +70		
Excitation, recommended	(V)	5 ~ 12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		
Corner correction		0.02%load value/100mm		

### Outline Dimension mm(inch)

Technical drawing showing the outline dimensions of the L6D21 load cell. The drawing includes a side view and a top view. Dimensions are provided in millimeters (mm) and inches (inch).

- Side view dimensions: 22 (0.87) mm height.
- Top view dimensions: 106 (4.17) mm length for the main body, 130 (5.12) mm total length including the cable connector, and 30 (1.18) mm width.
- Top view features: 4-M6 Through holes, 15 (0.59) mm diameter holes in 2 places.

Wiring diagram showing the following connections:

- Input (+) Red
- Output (-) White
- Input (-) Black
- Output (+) Green

**Wiring:**  
 Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
 Cable length: 4m  
 Cable diameter: 3.8 ± 0.2mm



- L6E load cells are available in the capacities 50kg~300kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for pricing scales, platform scales and other electronic weighing devices.

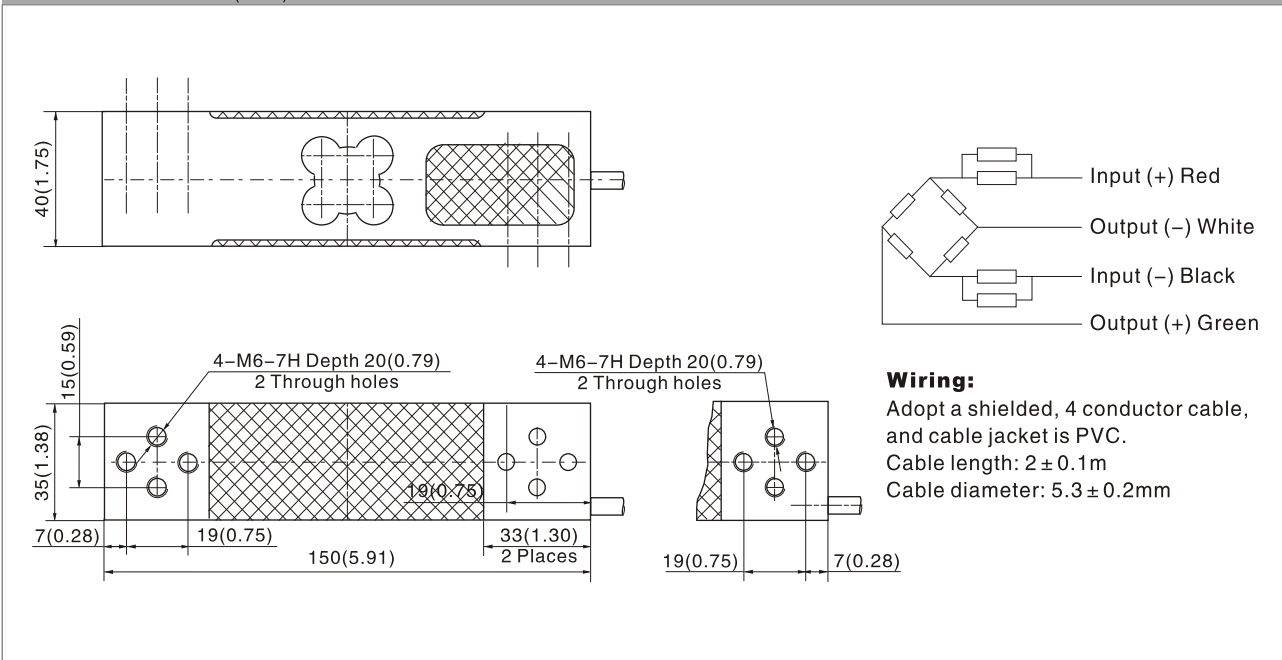
### Features

- Capacity: 50kg~300kg
- High accuracy
- Max. platform size: 400×400mm
- OIML Certificates No:R60/2000-CN-00.04 Revision 1
- PTB Approval No:D09-03.21 Revision 1



Specifications				
Capacity	kg	50/60/80/100/150/200/300		
Accuracy		C3D	C3	C3G
Approvals			OIML R60 C3	
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.015
Creep	(%FS/30min)	≤ ±0.020	≤ ±0.0167	≤ ±0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021	≤ ±0.0175	≤ ±0.0131
Temperature effect on zero	(%FS/10°C)	≤ ±0.028	≤ ±0.020	≤ ±0.0127
Output sensitivity	(mv/v)		2.0 ± 0.2	
Input resistance	(Ω)		406 ± 6	
Output resistance	(Ω)		350 ± 3	
Insulation resistance	(MΩ)		≥ 5000(50VDC)	
Zero balance	(%FS)		2	
Temperature, compensated	(°C)		-10 ~ +40	
Temperature, operating	(°C)		-35 ~ +70	
Excitation, recommended	(V)		5 ~ 12(DC)	
Excitation, max	(V)		18(DC)	
Safe overload	(%FS)		150	
Ultimate overload	(%FS)		300	
Corner correction			0.02%load value/100mm	

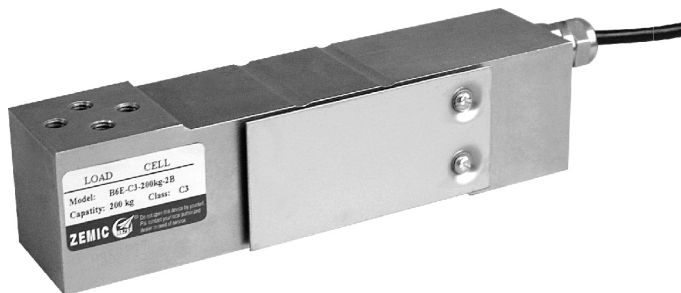
### Outline Dimension mm(inch)



### Wiring:

Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
Cable length: 2 ± 0.1m  
Cable diameter: 5.3 ± 0.2mm





- B6E load cells are available in the capacities 20kg~300kg.
- 17-4PH stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Recommended platform size: 400×400mm

### Features

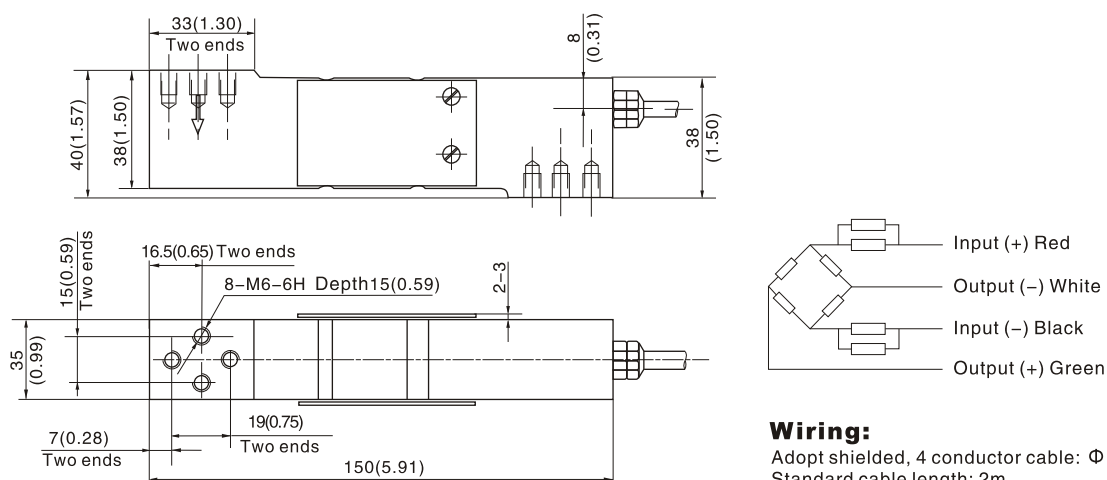
- Capacity: 20kg~300kg
- High accuracy
- Stainless steel construction
- Low profile and easy installation



Specifications		20/30/50/75/100/150/200/250/300	
Capacity	kg		
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0±0.2/2.0±0.002	
Input resistance	(Ω)	384±4/400±20	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(V)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

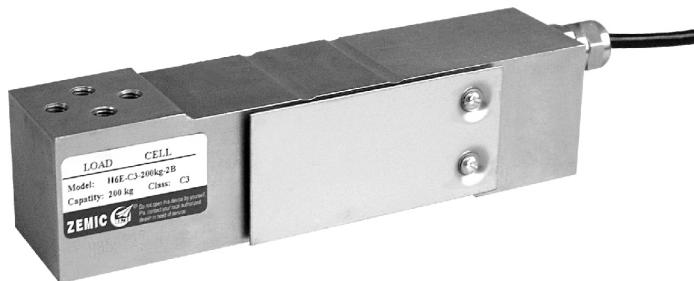
Note: output sensitivity of S1 type is 2.0±0.002mv/v, input resistance is 400±20

### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 2m



- H6E load cells are available in the capacities 20kg~300kg.
- Alloy steel construction, nickel plated, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Recommended platform size: 400×400mm

### Features

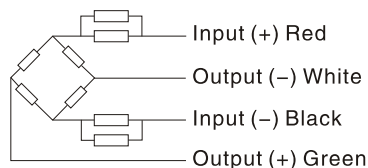
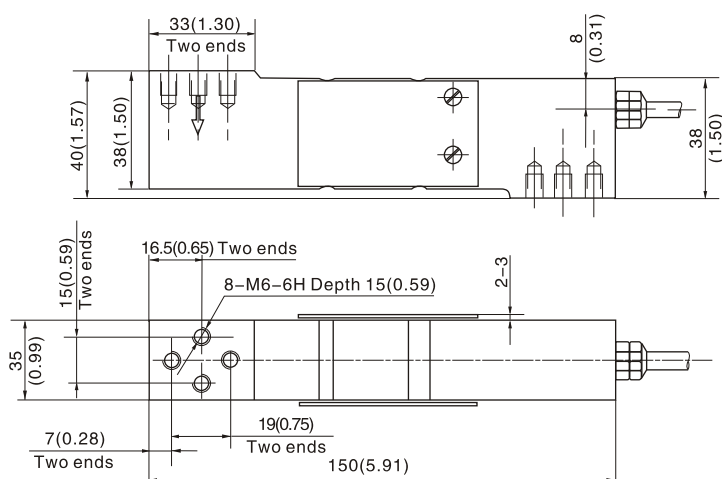
- Capacity: 20kg~300kg
- High accuracy
- Alloy steel construction
- Low profile and easy installation



Specifications			
Capacity	kg	20/30/50/75/100/150/200/250/300	
Accuracy		C2	C3
Maximum number of verification intervals	nmax	2000	3000
Minimum load cell verification interval	Vmin	Emax/5000	Emax/10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0 ± 0.2/2.0 ± 0.002	
Input resistance	(Ω)	384 ± 4/400 ± 20	
Output resistance	(Ω)	351 ± 2.0	
Insulation resistance	(MΩ)	≥ 5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10 ~ +40	
Temperature, operating	(°C)	-35 ~ +70	
Excitation, recommended	(V)	5 ~ 12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

Note: output sensitivity of S1 type is 2.0±0.002mv/v, input resistance is 400±20

### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 2m

# L6E3



- L6E3 load cells are available in the capacities 50kg~500kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic pricing scales, electronic platform scales and other electronic weighing devices.

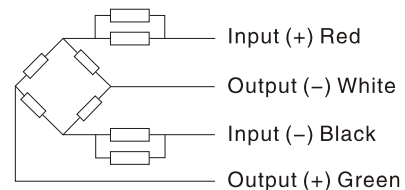
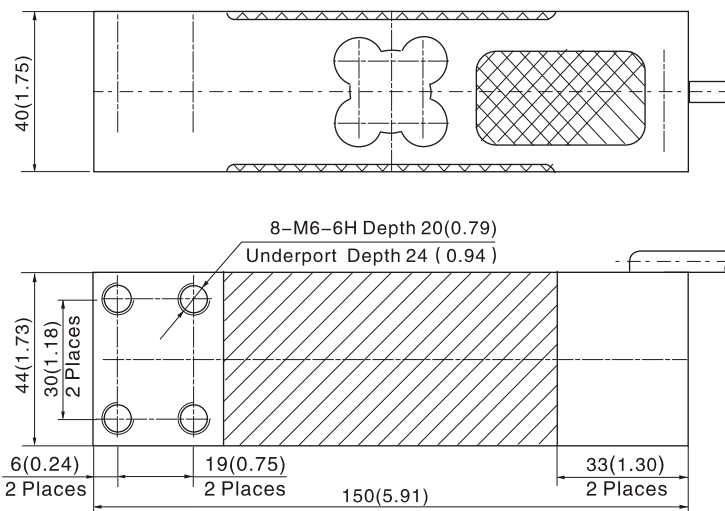
### Features

- Capacity: 50kg~500kg
- High accuracy
- Max. platform size: 450×450mm
- OIML Certificates No:R60/2000-CN1-06.08
- PTB Approval No: D09-06.09



Specifications				
Capacity	kg	50/100/150/200/250/300/500		
Accuracy		C3D	C3	C3G
Approvals			OIML R60 C3	
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.015
Creep	(%FS/30min)	≤ ±0.020	≤ ±0.0167	≤ ±0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021	≤ ±0.0175	≤ ±0.0131
Temperature effect on zero	(%FS/10°C)	≤ ±0.028	≤ ±0.020	≤ ±0.0127
Output sensitivity	(mv/v)	2.0 ± 0.2		
Input resistance	(Ω)	409 ± 6		
Output resistance	(Ω)	350 ± 3		
Insulation resistance	(MΩ)	≥ 5000(50VDC)		
Zero balance	(%FS)	2		
Temperature, compensated	(°C)	-10 ~ +40		
Temperature, operating	(°C)	-35 ~ +70		
Excitation, recommended	(V)	5 ~ 12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		
Corner correction		0.02%load value/100mm		

### Outline Dimension mm(inch)



### Wiring:

Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
 Cable length: 3 ± 0.1m  
 Cable diameter: 5.3 ± 0.2mm



# B6E3



- B6E3 load cells are available in the capacities 20kg~300kg.
- 17-4PH stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Max. platform size: 400×400mm

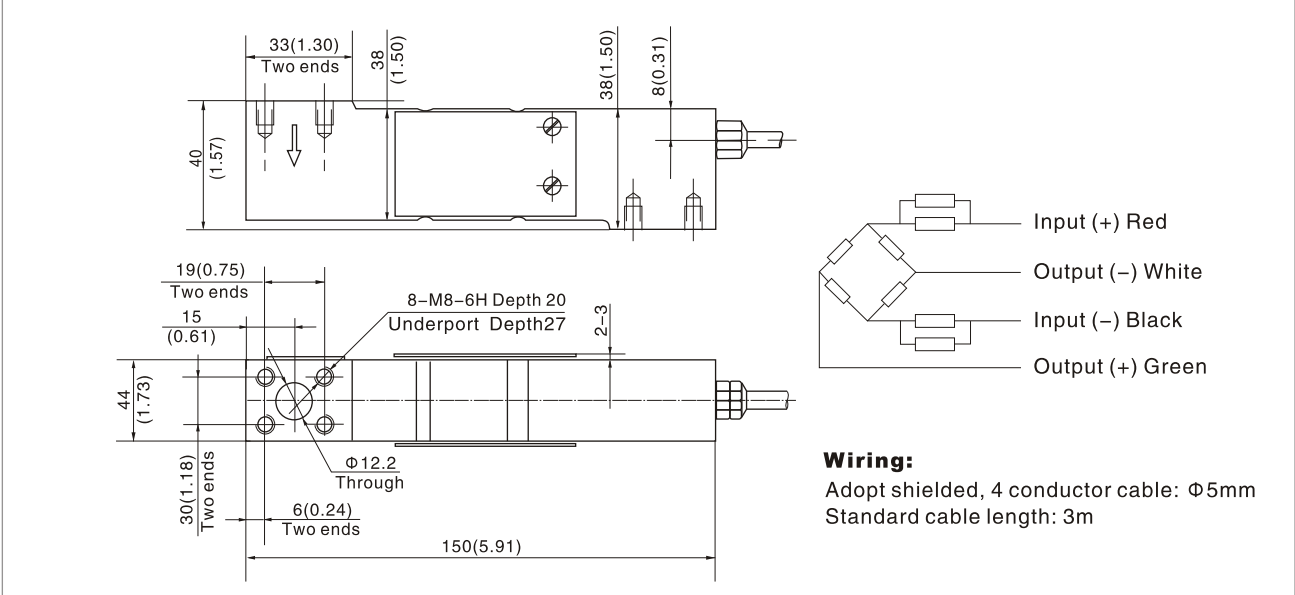
### Features

- Capacity: 20kg~300kg
- High accuracy
- Stainless steel construction
- Low profile and easy installation



Specifications			
Capacity	kg	20/30/50/75/100/150/200/250/300	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0±0.002	
Input resistance	(Ω)	384±4	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(V)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

### Outline Dimension mm(inch)



# H6E3



- H6E3 load cells are available in the capacities 20kg~300kg.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Max. platform size: 400×400mm

### Features

- Capacity: 20kg~300kg
- High accuracy
- Alloy steel construction
- Low profile and easy installation

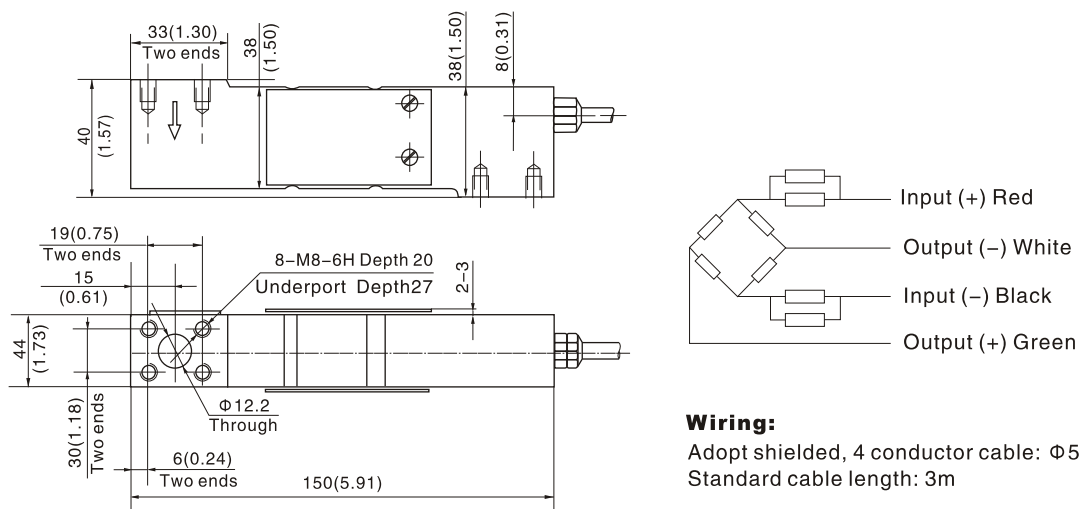


### Specifications

Capacity	kg	20/30/50/75/100/150/200/250/300	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0±0.2/2.0±0.002	
Input resistance	(Ω)	384±4/400±20	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(V)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

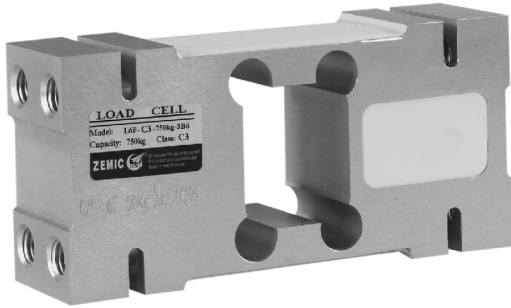
Note: output sensitivity of S1 type is 2.0±0.002mv/v, input resistance is 400±20 Ω

### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 3m



- L6F load cells are available in the capacities 50kg~2000kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic pricing scales, platform scales and other electronic weighing devices.

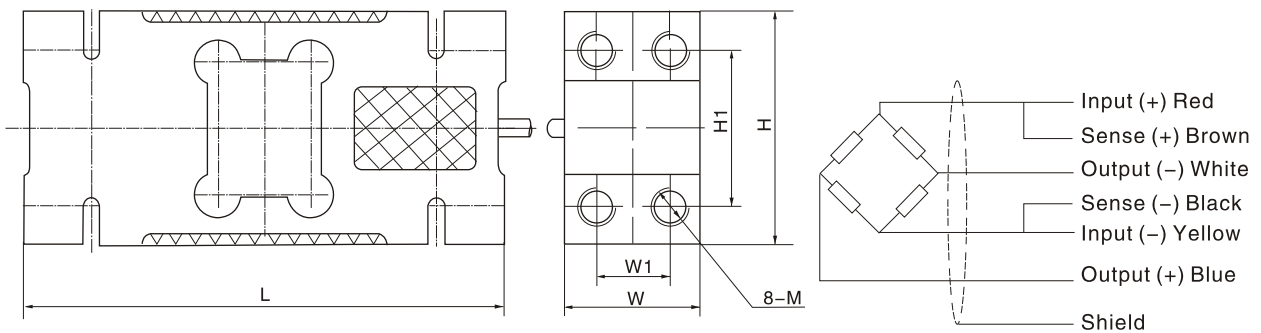
### Features

- Capacity: 50kg~2000kg
- High accuracy
- Max. platform size:  
50kg~200kg 600×600mm  
250kg~500kg 600×800mm  
750kg~2000kg 1200×1200mm
- OIML Certificates No:R60/2000-CN1-06.01 Revision 1
- PTB Approval No:D09-06.10



Specifications		50/100/150/200/250/500/750/1000/2000		
Capacity	kg			
Accuracy		C3D	C3	C3G
Approvals			OIML R60 C3	
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.015
Creep	(%FS/30min)	≤ ±0.020	≤ ±0.0167	≤ ±0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021	≤ ±0.0175	≤ ±0.0131
Temperature effect on zero	(%FS/10°C)	≤ ±0.028	≤ ±0.020	≤ ±0.0127
Output sensitivity	(mv/v)	2.0±0.2		
Input resistance	(Ω)	406±6		
Output resistance	(Ω)	350±3		
Insulation resistance	(MΩ)	≥5000(50VDC)		
Zero balance	(%FS)	2		
Temperature, compensated	(°C)	-10~+40		
Temperature, operating	(°C)	-35~+70		
Excitation, recommended	(V)	5~12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		
Corner correction		0.02%load value/100mm		

### Outline Dimension mm(inch)



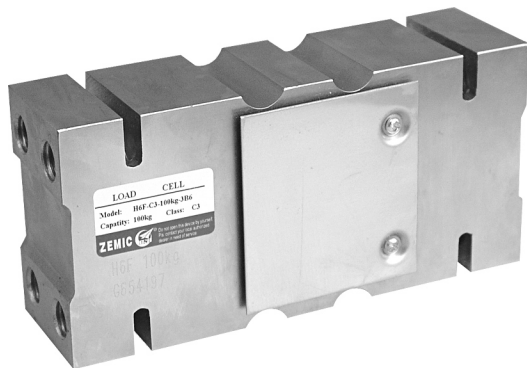
Dimension	H	H1	L	W	W1	M
Capacity						
50 - 200kg,250kgSE	75(2.95)	50(1.97)	156(6.14)	44(1.73)	24(0.94)	M12-7H Depth20(0.79)
250 - 500kg,750kgSE	95(3.74)	70(2.76)	146(5.75)	60(2.36)	36(1.42)	M12-7H Depth18(0.71)
750 - 2000kg	125(4.92)	85(3.35)	176(6.93)	76(2.99)	46(1.81)	M16-7H Depth20(0.79)

### Wiring:

Adopt a shielded, 6 conductor cable, and cable jacket is PVC.  
Cable length: 3 ± 0.1m  
Cable diameter: 6.2 ± 0.2mm







- H6F load cells are available in the capacities 50kg~2000kg.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Max. platform size:  
50kg~200kg 400×400mm  
250kg~500kg 600×800mm  
750kg~2000kg 1200×1200mm

### Features

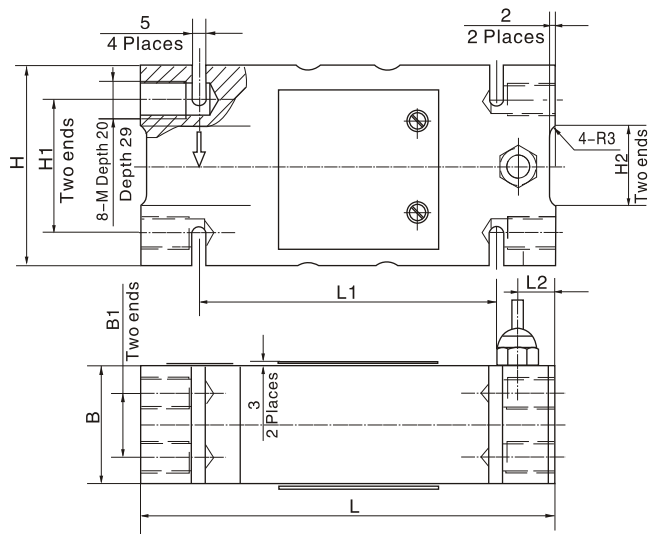
- Capacity: 50kg~2000kg
- High accuracy
- Alloy steel construction
- Low profile and easy installation

### Specifications

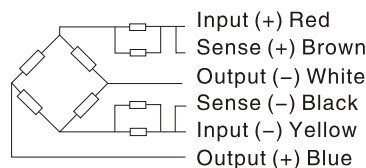
Capacity	kg	50/100/150/200/250/300/400/500/750/1000/1500/2000	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0±0.2/2.0±0.002	
Input resistance	(Ω)	384±4/400±20	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(V)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

Note: output sensitivity of S1 type is 2.0±0.002mv/v, input resistance is 400±20

### Outline Dimension mm(inch)



Capacity Dimension	50kg~200kg	250kg~500kg	750kg~2t
B	44(1.73)	60(2.36)	76(2.99)
B1	24(0.94)	36(1.42)	46(1.81)
H	75(2.95)	95(3.74)	125(4.92)
H1	50(1.97)	70(2.76)	95(3.74)
H2	30(1.18)	30(1.18)	65(2.56)
L	156(6.14)	146(5.75)	176(6.93)
L1	112(4.4)	110(4.33)	110(4.33)
L2	14(0.55)	11(0.43)	24(0.94)
M	M12-7H	M12-7H	M16-7H



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 3m



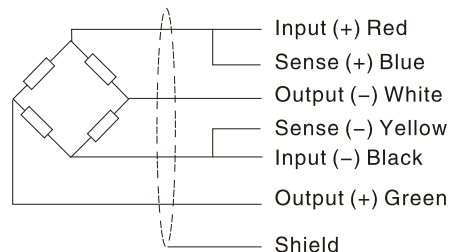
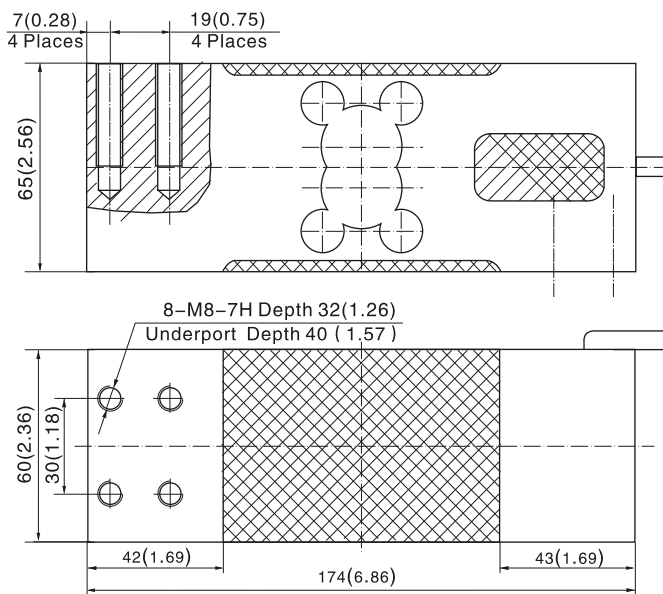
- L6G load cells are available in the capacities 50kg~600kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic pricing scales, platform scales and other electronic weighing devices.

### Features

- Capacity: 50kg~600kg
- High accuracy
- Max. platform size: 600×600mm
- OIML Certificates No:R60/2000-CN-00.03
- PTB Approval No:D09-03.22 Revision 2

Specifications				
Capacity	kg	50/100/150/200/250/300/500/600		
Accuracy		C3D	C3	C3G
Approvals	n <sub>max</sub>		OIML R60 C3	
Maximum number of verification intervals	v <sub>min</sub>	2500	3000	4000
Minimum load cell verification interval		E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ± 0.030	≤ ± 0.020	≤ ± 0.015
Creep	(%FS/30min)	≤ ± 0.020	≤ ± 0.0167	≤ ± 0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ± 0.021	≤ ± 0.0175	≤ ± 0.0131
Temperature effect on zero	(%FS/10°C)	≤ ± 0.028	≤ ± 0.020	≤ ± 0.0127
Output sensitivity	(mv/v)	2.0±0.2		
Input resistance	(Ω)	406±6/1065±15		
Output resistance	(Ω)	350±3/1000±10		
Insulation resistance	(MΩ)	≥5000(50VDC)		
Zero balance	(%FS)	2		
Temperature, compensated	(°C)	-10~+40		
Temperature, operating	(°C)	-35~+70		
Excitation, recommended	(V)	5~12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		
Corner correction		0.02%load value/100mm		

### Outline Dimension mm(inch)



### Wiring:

Adopt a shielded, 6 conductor cable, and cable jacket is PVC.  
Cable length: 3±0.1m  
Cable diameter: 6±0.2mm  
The shield is connected to the element.



- B6G load cells are available in the capacities 50kg ~ 635kg.
- 17-4PH stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Recommended platform size: 600 × 600mm

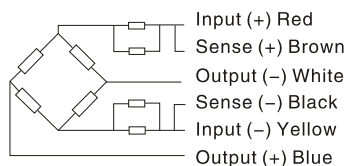
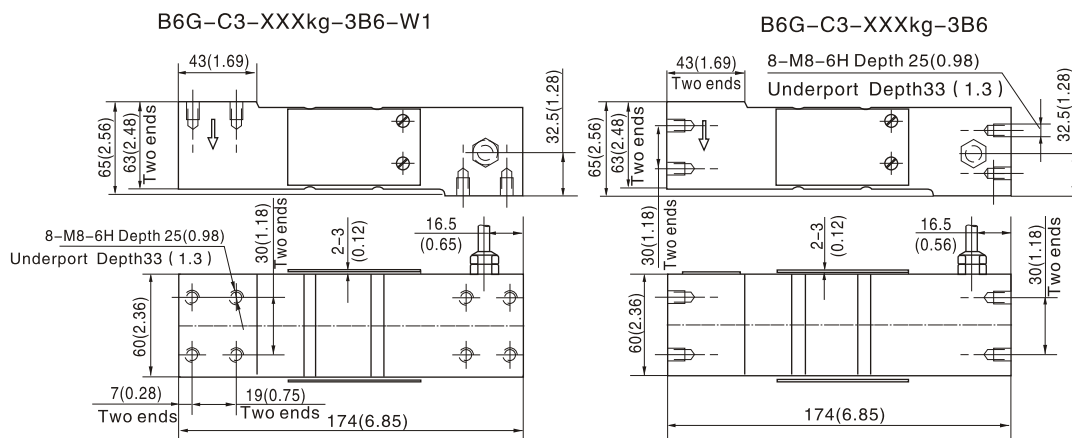
### Features

- Capacity: 50kg ~ 635kg
- High accuracy
- Stainless steel construction
- Low profile and easy installation

### Specifications

Capacity	kg	50/100/150/200/250/300/400/500/600/635	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error		≤ ± 0.030	≤ ± 0.020
Creep	(%FS)	≤ ± 0.024	≤ ± 0.016
Temperature effect on sensitivity	(%FS/30min)	≤ ± 0.017	≤ ± 0.011
Temperature effect on zero	(%FS/10°C)	≤ ± 0.023	≤ ± 0.015
Output sensitivity	(%FS/10°C)	2.0 ± 0.002	
Input resistance	(mv/v)	384 ± 4	
Output resistance	(Ω)	351 ± 2.0	
Insulation resistance	(Ω)	≥ 5000(50VDC)	
Zero balance	(MΩ)	1.5	
Temperature, compensated	(%FS)	-10 ~ +40	
Temperature, operating	(°C)	-35 ~ +70	
Excitation, recommended	(°C)	5 ~ 12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(V)	150	
Ultimate overload	(%FS)	300	
Corner correction	(%FS)	0.02%load value/100mm	

### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 6 conductor cable: Φ6.2mm  
Standard cable length: 3m



- H6G load cells are available in the capacities 50kg~635kg.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Recommended platform size: 600×600mm

### Features

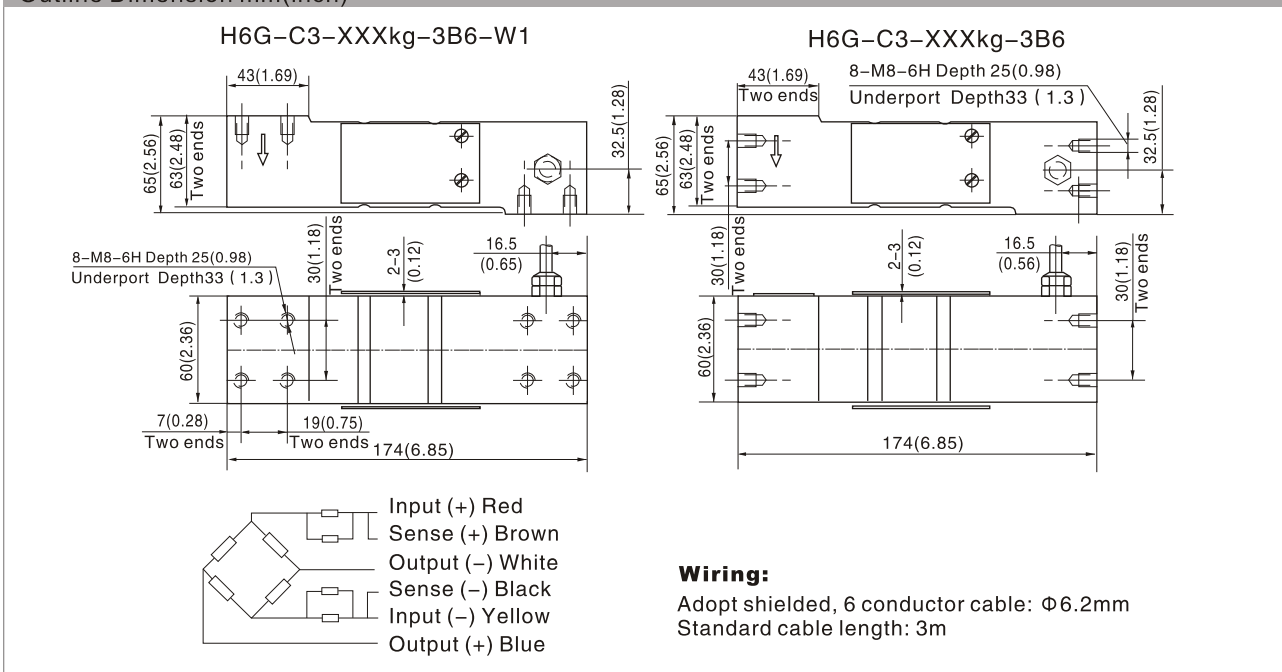
- Capacity: 50kg~635kg
- High accuracy
- Alloy steel construction
- Low profile and easy installation



### Specifications

Capacity	kg	50/100/150/200/250/300/400/500/600/635	
Accuracy		C2	C3
Maximum number of verification intervals	$n_{max}$	2000	3000
Minimum load cell verification interval	$v_{min}$	$E_{max}/5000$	$E_{max}/10000$
Combined error		$\leq \pm 0.030$	$\leq \pm 0.020$
Creep	(%FS)	$\leq \pm 0.024$	$\leq \pm 0.016$
Temperature effect on sensitivity	(%FS/30min)	$\leq \pm 0.017$	$\leq \pm 0.011$
Temperature effect on zero	(%FS/10°C)	$\leq \pm 0.023$	$\leq \pm 0.015$
Output sensitivity	(%FS/10°C)	$2.0 \pm 0.002$	
Input resistance	(mv/v)	$384 \pm 4$	
Output resistance	( $\Omega$ )	$351 \pm 2.0$	
Insulation resistance	( $\Omega$ )	$\geq 5000(50VDC)$	
Zero balance	(M $\Omega$ )	1.5	
Temperature, compensated	(%FS)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(°C)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(V)	150	
Ultimate overload	(%FS)	300	
Corner correction	(%FS)	0.02%load value/100mm	

### Outline Dimension mm(inch)







- B6G5 load cells are available in the capacities 50kg~2000kg.
- 17-4PH stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Max. platform size:  
50kg~1t 600×800mm  
1.5t~2t 1000×1000mm

### Features

- Capacity: 50kg~2000kg
- High accuracy
- Stainless steel construction
- Low profile and easy installation

Specifications			
Capacity	t	0.05/0.1/0.15/0.2/0.25/0.3/0.4/0.5/0.6/0.75/1/1.5/2	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0±0.002	
Input resistance	(Ω)	384±4	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(V)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

### Outline Dimension mm(inch)

Capacity Dimension	50kg ~ 1t	1.5t ~ 2t
L	150(5.91)	150(5.91)
H	77(3.03)	88(3.46)
H1	46(1.81)	55(2.17)
W	68(2.68)	76(2.99)
W1	38(1.50)	42(1.65)

**Wiring:**  
Adopt shielded, 4 conductor cable: Φ6.2mm  
Standard cable length: 3m

# H6G5



- H6G5 load cells are available in the capacities 50kg~2000kg.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Max. platform size:  
50kg~1t 600×800mm  
1.5t~2t 1000×1000mm

### Features

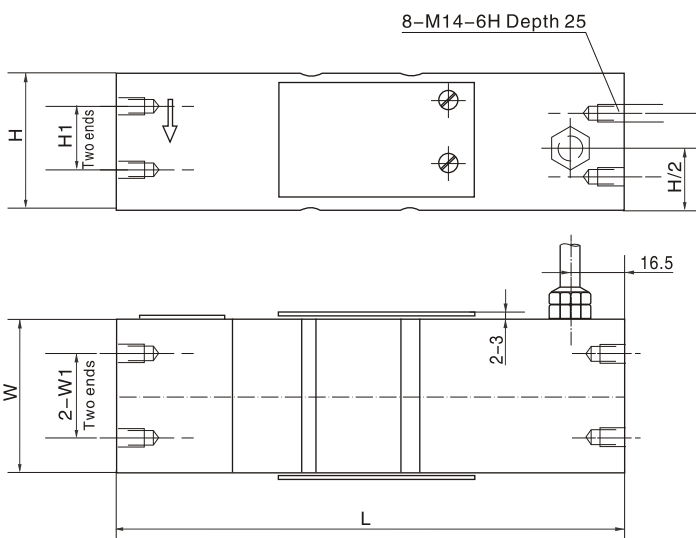
- Capacity: 50kg~2000kg
- High accuracy
- Alloy steel construction
- Low profile and easy installation



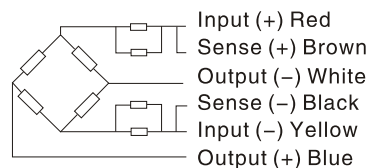
### Specifications

Capacity	t	0.05/0.1/0.15/0.2/0.25/0.3/0.4/0.5/0.6/0.75/1/1.5/2	
Accuracy		C2	C3
Maximum number of verification intervals	nmax	2000	3000
Minimum load cell verification interval	vmin	Emax/5000	Emax/10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0±0.002	
Input resistance	(Ω)	384±4	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(V)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	120	
Ultimate overload	(%FS)	150	
Corner correction		0.02%load value/100mm	

### Outline Dimension mm(inch)



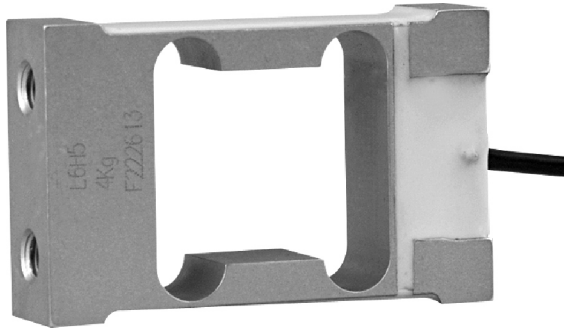
Capacity	50kg ~ 1t	1.5t ~ 2t
Dimension		
L	150(5.91)	150(5.91)
H	77(3.03)	88(3.46)
H1	46(1.81)	55(2.17)
W	68(2.68)	76(2.99)
W1	38(1.50)	42(1.65)



### Wiring:

Adopt shielded, 4 conductor cable: Φ6.2mm  
Standard cable length: 3m

# L6H5



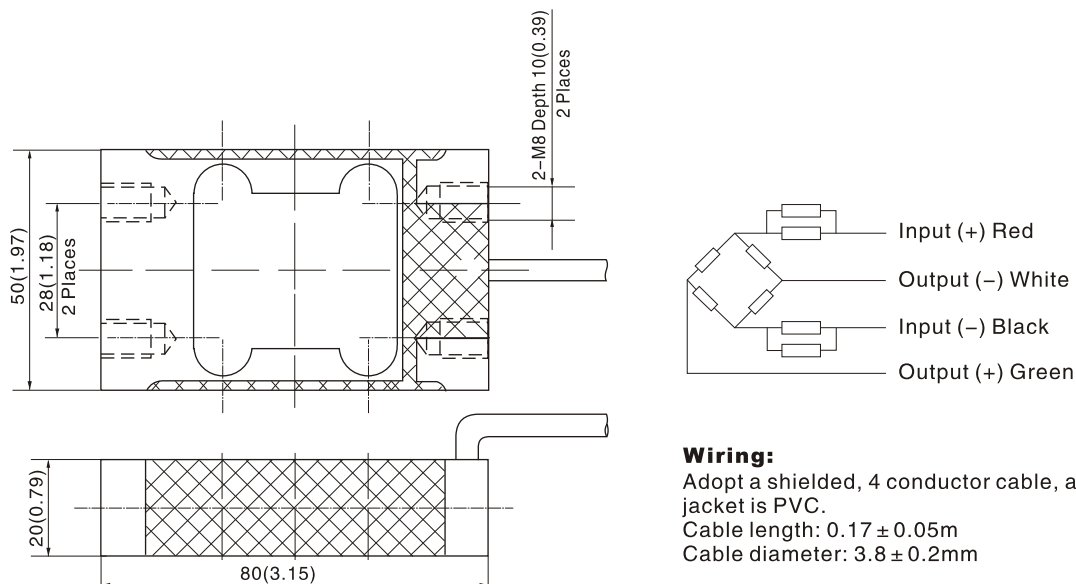
- L6H5 load cells are available in the capacities 4kg~20kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic balance and other electronic weighing devices.

### Features

- Capacity: 4kg~20kg
- High accuracy
- Max. platform size: 200×200mm

Specifications		
Capacity	kg	4/5/8/10/20
Accuracy		C3D
Maximum number of verification intervals	n <sub>max</sub>	2500
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000
Combined error	(%FS)	≤ ±0.030
Creep	(%FS/30min)	≤ ±0.020
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021
Temperature effect on zero	(%FS/10°C)	≤ ±0.028
Output sensitivity	(mv/v)	0.9±0.2
Input resistance	(Ω)	409±6
Output resistance	(Ω)	350±3
Insulation resistance	(MΩ)	≥5000(50VDC)
Zero balance	(%FS)	2
Temperature, compensated	(°C)	-10~+40
Temperature, operating	(°C)	-35~+70
Excitation, recommended	(V)	5~12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300
Corner correction		0.02%load value/100mm

### Outline Dimension mm(inch)



### Wiring:

Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
Cable length: 0.17 ± 0.05m  
Cable diameter: 3.8 ± 0.2mm



- L6J load cells are available in the capacities 1kg~20kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic balance and other electronic weighing devices.

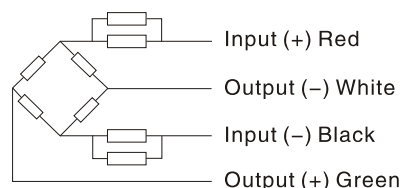
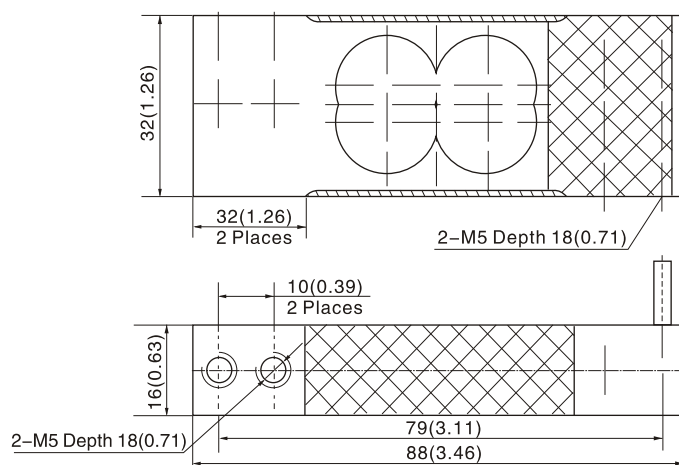
### Features

- Capacity: 1kg~20kg
- High accuracy
- Max. platform size: 200×200mm



Specifications		
Capacity	kg	1/2/3/5/8/10/15/20
Accuracy		C3D
Maximum number of verification intervals	n <sub>max</sub>	2500
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000
Combined error	(%FS)	≤ ±0.030
Creep	(%FS/30min)	≤ ±0.020
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021
Temperature effect on zero	(%FS/10°C)	≤ ±0.028
Output sensitivity	(mv/v)	1.5±0.2
Input resistance	(Ω)	409±6
Output resistance	(Ω)	350±3
Insulation resistance	(MΩ)	≥5000(50VDC)
Zero balance	(%FS)	2
Temperature, compensated	(°C)	-10~+40
Temperature, operating	(°C)	-35~+70
Excitation, recommended	(V)	5~12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300
Corner correction		0.02%/load value/100mm

### Outline Dimension mm(inch)

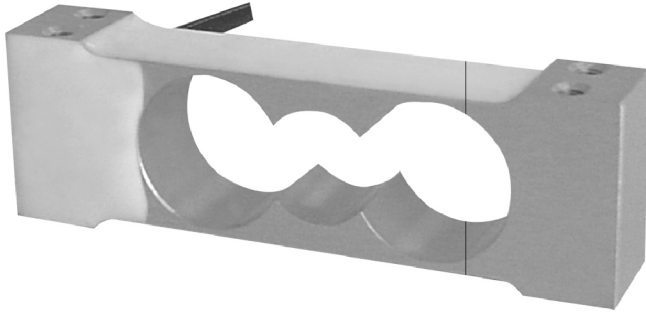


### Wiring:

Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
Cable length: 0.45 ± 0.05m  
Cable diameter: 3.0 ± 0.2mm



# L6J1



- L6J1 load cells are available in the capacities 0.3kg~3kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic balance and other electronic weighing devices.

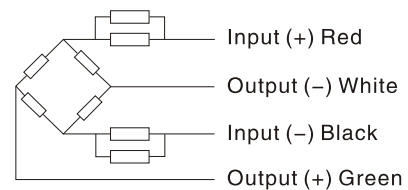
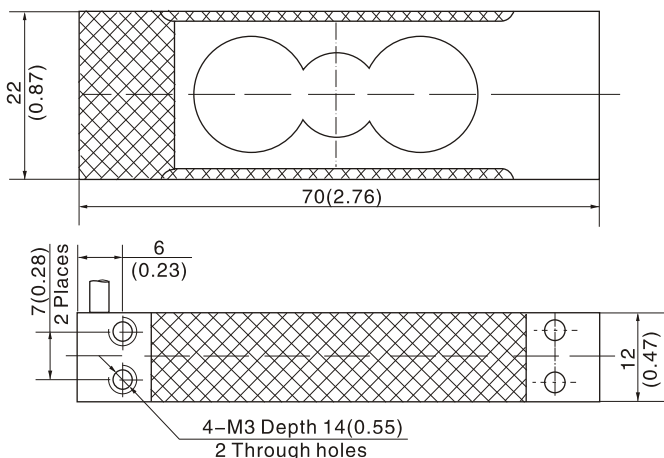
### Features

- Capacity: 0.3kg~3kg
- High accuracy
- Max. platform size: 200×200mm



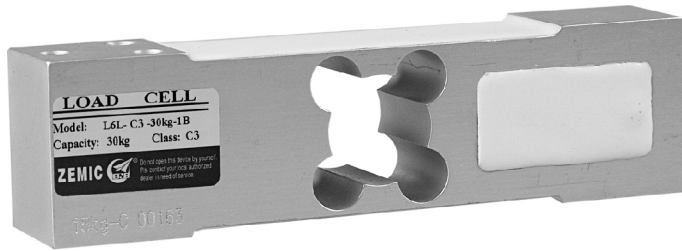
Specifications		
Capacity	kg	0.3/0.4/0.5/0.6/1/3
Accuracy		C3D
Maximum number of verification intervals	n <sub>max</sub>	2500
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000
Combined error	(%FS)	≤ ±0.030
Creep	(%FS/30min)	≤ ±0.020
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021
Temperature effect on zero	(%FS/10°C)	≤ ±0.028
Output sensitivity	(mv/v)	1.0±0.1
Input resistance	(Ω)	394±6
Output resistance	(Ω)	350±3
Insulation resistance	(MΩ)	≥5000(50VDC)
Zero balance	(%FS)	2
Temperature, compensated	(°C)	-10~+40
Temperature, operating	(°C)	-35~+70
Excitation, recommended	(V)	5~12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300
Corner correction		0.02%load value/100mm

### Outline Dimension mm(inch)



### Wiring:

Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
Cable length: 0.45 ± 0.05m  
Cable diameter: 3.0 ± 0.2mm



- L6L load cells are available in the capacities 5kg~200kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic balance and other electronic weighing devices.

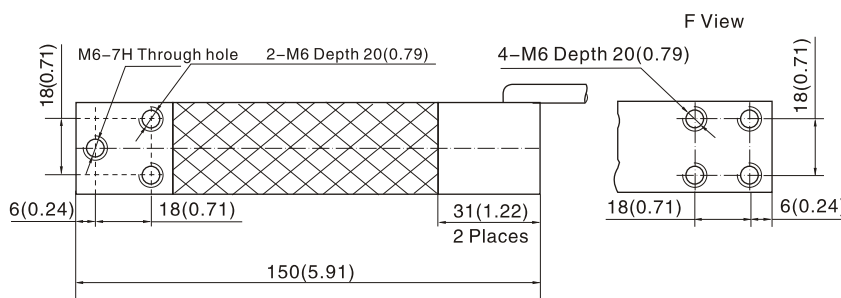
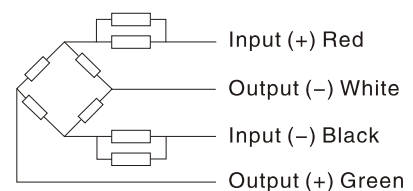
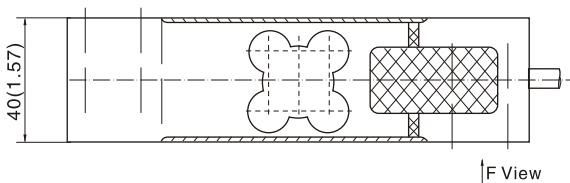
### Features

- Capacity: 5kg~200kg
- High accuracy
- Max. platform size: 350×400mm



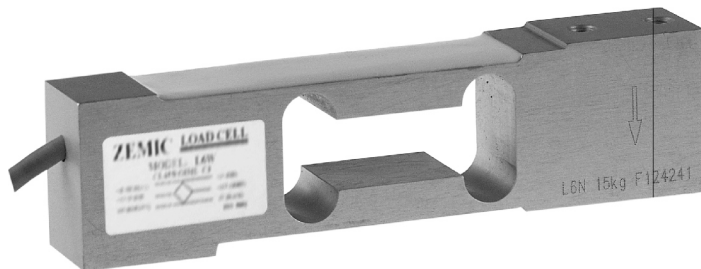
Specifications		
Capacity	kg	5/8/10/15/20/30/50/80/100/150/200
Accuracy		C3D
Maximum number of verification intervals	n <sub>max</sub>	2500
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000
Combined error	(%FS)	≤ ±0.030
Creep	(%FS/30min)	≤ ±0.020
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021
Temperature effect on zero	(%FS/10°C)	≤ ±0.028
Output sensitivity	(mv/v)	2.0±0.2
Input resistance	(Ω)	394±6
Output resistance	(Ω)	350±3
Insulation resistance	(MΩ)	≥5000(50VDC)
Zero balance	(%FS)	2
Temperature, compensated	(°C)	-10~+40
Temperature, operating	(°C)	-35~+70
Excitation, recommended	(V)	5~12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300
Corner correction		0.02%load value/100mm

### Outline Dimension mm(inch)



### Wiring:

Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
Cable length: 1.0 ± 0.05m  
Cable diameter: 5.3 ± 0.2mm



- L6N load cells are available in the capacities 3kg~100kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic balance and other electronic weighing devices.

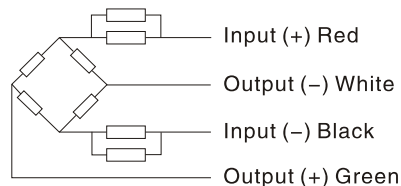
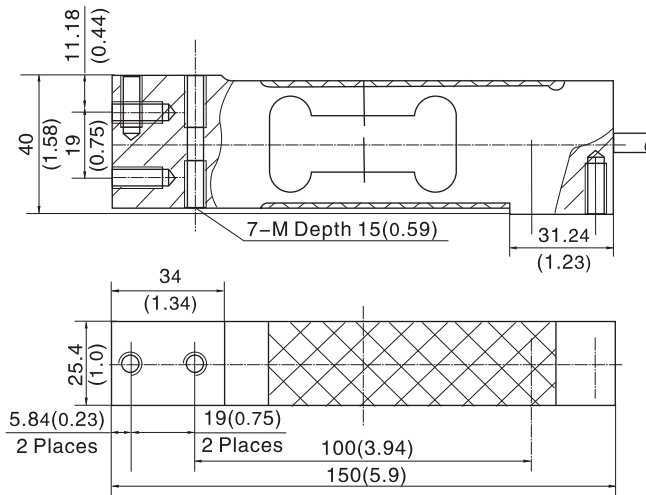
### Features

- Capacity: 3kg~100kg
- High accuracy
- Max. Platform size: 400×400mm
- OIML Certificates No:R60/2000-CN1-06.04
- PTB Approval No:D09-06.11

### Specifications

Capacity	kg	50/100/150/200/250/500/750/1000/2000
Accuracy		C3
Approvals		OIML R60 C3
Maximum number of verification intervals	n <sub>max</sub>	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /7000
Combined error	(%FS)	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.0167
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.0175
Temperature effect on zero	(%FS/10°C)	≤ ±0.020
Output sensitivity	(mv/v)	2.0±0.2
Input resistance	(Ω)	394±6
Output resistance	(Ω)	350±3
Insulation resistance	(MΩ)	≥5000(50VDC)
Zero balance	(%FS)	2
Temperature, compensated	(°C)	-10~+40
Temperature, operating	(°C)	-35~+70
Excitation, recommended	(V)	5~12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300
Corner correction		0.02%load value/100mm

### Outline Dimension mm (inch)



### Wiring:

Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
Cable length: 3.0 ± 0.05m  
Cable diameter: 5.0 ± 0.2mm

# B6N



- B6N load cells are available in the capacities 5kg~200kg.
- 17-4PH stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Recommended platform size: 400×400mm

### Features

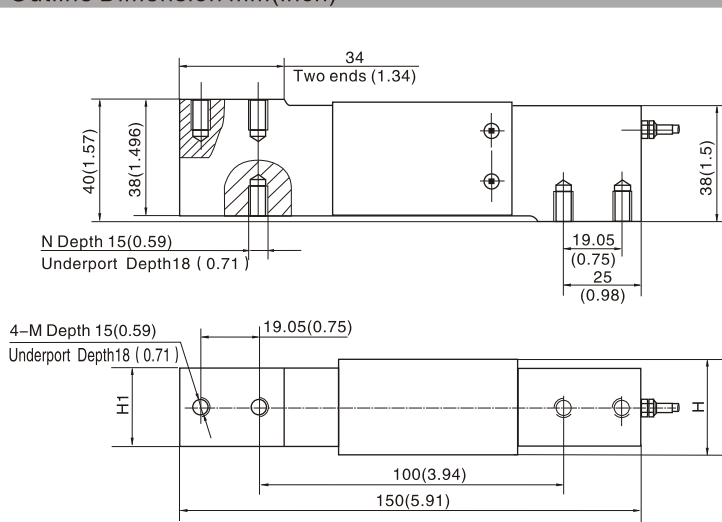
- Capacity: 5kg~200kg
- High accuracy
- Stainless steel construction
- Low profile and easy installation



### Specifications

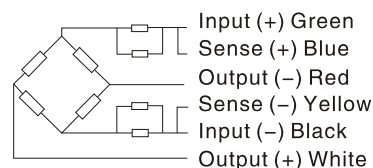
Capacity	kg	5/8/10/15/20/30/50/75/100/150/200	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤±0.030	≤±0.020
Creep	(%FS/30min)	≤±0.024	≤±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015
Output sensitivity	(mv/v)	2.0±0.002	
Input resistance	(Ω)	384±4	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(V)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

### Outline Dimension mm(inch)



### Note:

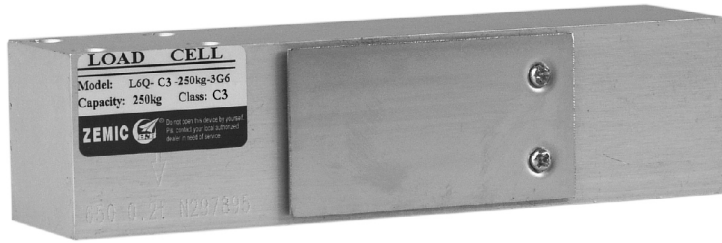
- Machining thread hole M and N are basing on customers' requirements.
- When customers require imperial: Thread hole M is 1/4-20UNC-2B, Thread hole N is 1/4-28UNF-2B;
- When customers require metric: Both thread holes M and N are M6-6H, and there will be an "M" under exit hole.



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 1m





- L6Q load cells are available in the capacities 50kg~250kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, stainless steel cover, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic pricing scales, platform scales and other electronic weighing devices.

### Features

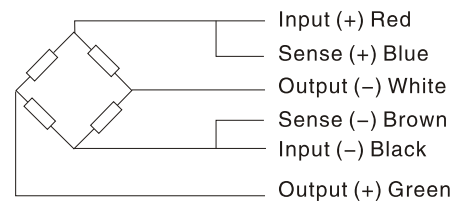
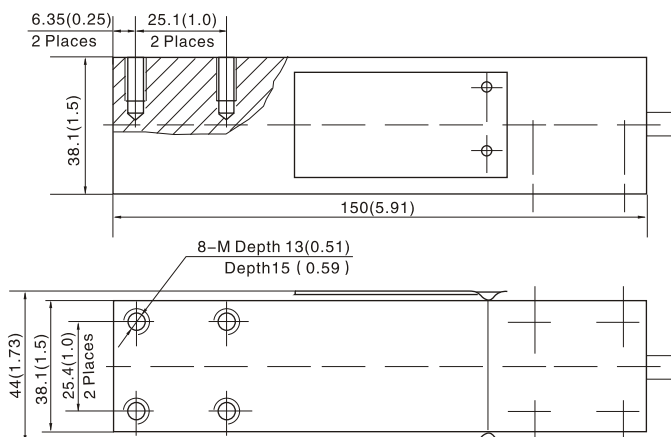
- Capacity: 50kg~250kg
- High accuracy
- Max. platform size: 400×400mm
- PTB Approval No: D09-07.06



### Specifications

Capacity	kg	50/100/150/200/250		
Accuracy		C3D	C3	C3G
Approvals			OIML R60 C3	
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ±0.030	≤ ± 0.020	≤ ± 0.015
Creep	(%FS/30min)	≤ ±0.020	≤ ± 0.0167	≤ ± 0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021	≤ ± 0.0175	≤ ± 0.0131
Temperature effect on zero	(%FS/10°C)	≤ ±0.028	≤ ± 0.020	≤ ± 0.0127
Output sensitivity	(mv/v)	2.0±0.2		
Input resistance	(Ω)	406±6		
Output resistance	(Ω)	350±3		
Insulation resistance	(MΩ)	≥5000(50VDC)		
Zero balance	(%FS)	2		
Temperature, compensated	(°C)	-10~+40		
Temperature, operating	(°C)	-35~+70		
Excitation, recommended	(V)	5~12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		
Corner correction		0.02%load value/100mm		

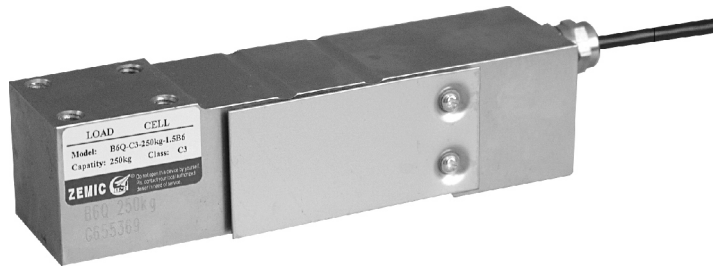
### Outline Dimension mm(inch)



### Wiring:

Adopt a shielded, 6 conductor cable, and cable jacket is PVC.  
Cable length: 3.0 ± 0.05m  
Cable diameter: 5.0 ± 0.2mm

M	Metric	Imperial
	M6	1/4-20UNC



- B6Q load cells are available in the capacities 150kg, 200kg, and 250kg.
- 17-4PH stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Recommended platform size: 400×400mm

### Features

- Capacity: 150kg, 200kg, and 250kg.
- High accuracy
- Stainless steel construction
- Low profile and easy installation



Specifications			
Capacity	kg	150/200/250	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10℃)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10℃)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0±0.2/2.0±0.002	
Input resistance	(Ω)	384±4/400±20	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(℃)	-10~+40	
Temperature, operating	(℃)	-35~+70	
Excitation, recommended	(V)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

Note: output sensitivity of S1 type is 2.0±0.002mv/v, input resistance is 400±20

### Outline Dimension mm(inch)

**Wiring:**  
Adopt shielded, 6 conductor cable: Φ5.0mm  
Standard cable length: 1.5m



- L6T load cells are available in the capacities 50kg~1000kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic pricing scales, electronic platform scales and other electronic weighing devices.

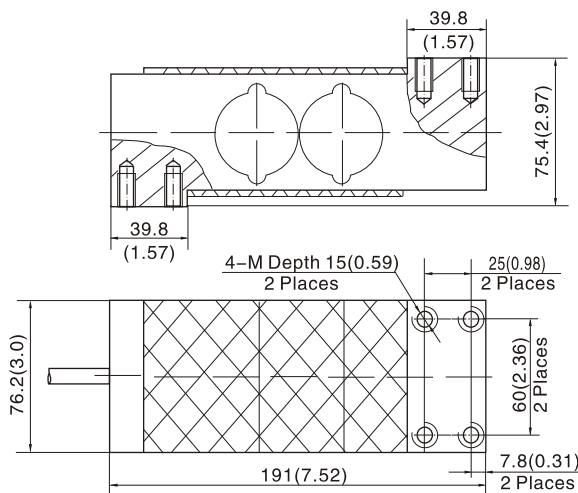
### Features

- Capacity: 50kg~1000kg
- High accuracy
- Max. platform size: 600×600mm

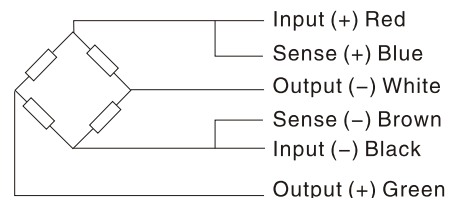


Specifications				
Capacity	kg	50/75/100/150/200/250/300/500/635/1000		
Accuracy		C3D	C3	C3G
Approvals			OIML R60 C3	
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /11000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.015
Creep	(%FS/30min)	≤ ±0.020	≤ ±0.0167	≤ ±0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021	≤ ±0.0175	≤ ±0.0131
Temperature effect on zero	(%FS/10°C)	≤ ±0.028	≤ ±0.020	≤ ±0.0127
Output sensitivity	(mv/v)	2.0±0.2		
Input resistance	(Ω)	409±6		
Output resistance	(Ω)	350±3		
Insulation resistance	(MΩ)	≥5000(50VDC)		
Zero balance	(%FS)	2		
Temperature, compensated	(°C)	-10~+40		
Temperature, operating	(°C)	-35~+70		
Excitation, recommended	(V)	5~12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		
Corner correction		0.02%load value/100mm		

### Outline Dimension mm(inch)

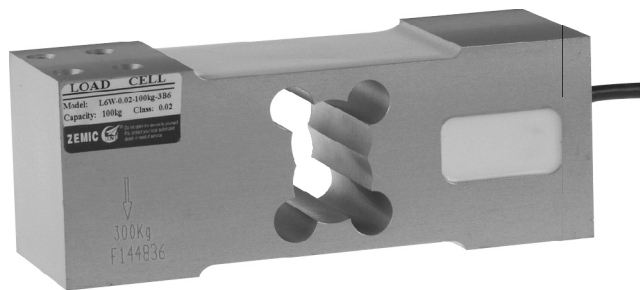


M	Metric	Imperial
	M6	5/16-18UNC



### Wiring:

Adopt a shielded, 6 conductor cable, and cable jacket is PVC.  
Cable length: 3.0 ± 0.1m  
Cable diameter: 5.0 ± 0.2mm



- L6W load cells are available in the capacities 50kg~635kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic balance and other electronic weighing devices.

### Features

- Capacity: 50kg~635kg
- High accuracy
- Recommended platform size:  
50kg~200kg: 600×600mm  
250kg~635kg: 600×800mm
- OIML Certificates No: R60/2000-CNI-06.03
- PTB Approval No: D09-06.12



Specifications		
Capacity	kg	50/75/100/150/200/250/300/500/635
Accuracy		C3
Approvals		OIML R60 C3
Maximum number of verification intervals	n <sub>max</sub>	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /7000
Combined error	(%FS)	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.0167
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.0175
Temperature effect on zero	(%FS/10°C)	≤ ±0.020
Output sensitivity	(mv/v)	2.0±0.2
Input resistance	(Ω)	406±6
Output resistance	(Ω)	350±3
Insulation resistance	(MΩ)	≥5000(50VDC)
Zero balance	(%FS)	2
Temperature, compensated	(°C)	-10~+40
Temperature, operating	(°C)	-35~+70
Excitation, recommended	(V)	5~12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300
Corner correction		0.02%load value/100mm

**Outline Dimension mm(inch)**

**Wiring:**  
 Adopt a shielded, 4 conductor cable, and cable jacket is PVC.  
 Cable length: 3.0 ± 0.1m  
 Cable diameter: 4.7 ± 0.2mm



# BM6A



- BM6A load cells are available in the capacities 6kg ~ 60kg, and 25 ~ 100lb.
- 17-4PH stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales, packaging scales and other electronic weighing devices.
- Recommended platform size: 300 x 300mm

### Features

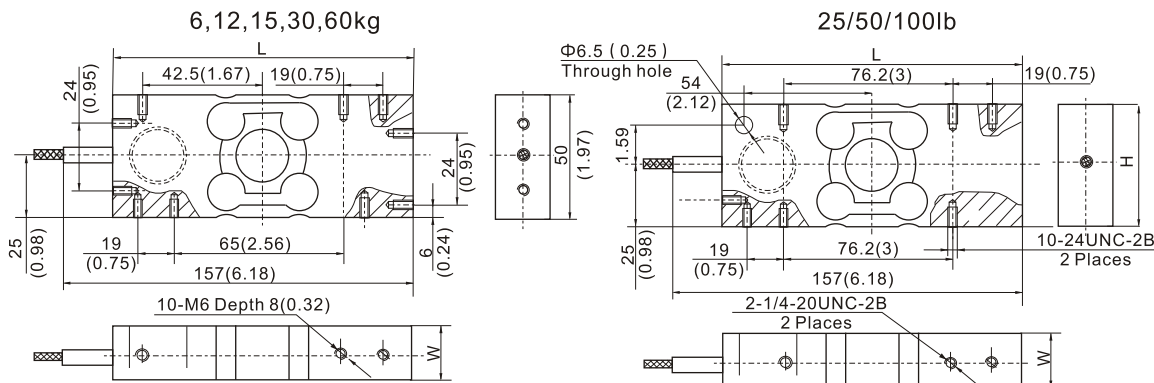
- Capacity: 6kg ~ 60kg, 25 ~ 100lb
- High accuracy
- Stainless steel construction
- Low profile and easy installation

### Specifications

Capacity	kg	6/12/15/30/60	
	lb	25/50/100	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ± 0.030	≤ ± 0.020
Creep	(%FS/30min)	≤ ± 0.024	≤ ± 0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ± 0.017	≤ ± 0.011
Temperature effect on zero	(%FS/10°C)	≤ ± 0.023	≤ ± 0.015
Output sensitivity	(mv/v)	2.0 ± 0.2/2.0 ± 0.002/3.0 ± 0.2	
Input resistance	(Ω)	400 ± 20	
Output resistance	(Ω)	351 ± 2.0	
Insulation resistance	(MΩ)	≥ 5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10 ~ +40	
Temperature, operating	(°C)	-35 ~ +70	
Excitation, recommended	(V)	5 ~ 12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

Note: output sensitivity of S1 type is 2.0 ± 0.002mv/v; output of imperial model is 3.0 ± 0.2mv/v,

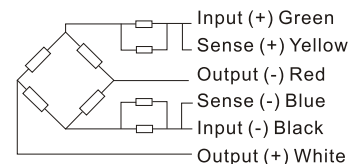
### Outline Dimension mm(inch)



Capacity	Dimension	L	H	W
6, 12, 15, 30kg		130(5.12)	50(1.96)	18.5(0.73)
60kg		130(5.12)	50(1.96)	23.5(0.92)
25lb		127.4(5.02)	50(1.96)	18.5(0.73)
50lb		127.4(5.02)	49.7(1.95)	18.5(0.73)
100lb		127.4(5.02)	46.3(1.82)	23.9(0.94)

### Wiring:

Both 4 and 6 conductor wires are available on customers' requirements.  
Cable diameter:  $\Phi 5 \pm 0.2$ mm  
Standard length for 4 conductor cable: 3m  
Standard length for 6 conductor cable: 6m



Note: Connection of 6 conductor wires are as above. For 4 conductor wires the yellow and blue sense wires are removed.

# BM6E



- BM6E load cells are available in the capacities 50kg~300kg.
- Stainless steel construction, hermetically welded oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Recommended platform size: 600×600mm

### Features

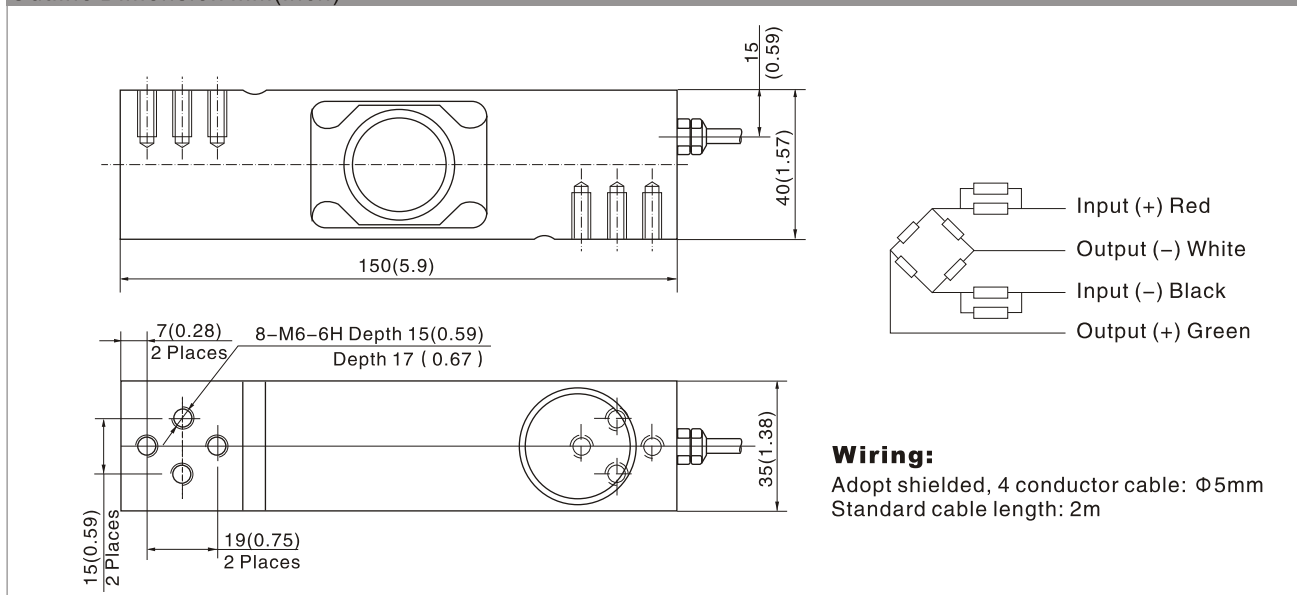
- Capacity: 50kg~300kg
- High accuracy
- Stainless steel construction
- Low profile and easy installation



Specifications			
Capacity	kg	50/200/300	
Accuracy		C2	C3
Maximum number of verification intervals	n <sub>max</sub>	2000	3000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(mv/v)	2.0 ± 0.2 / 2.0 ± 0.002	
Input resistance	(Ω)	350 ± 3.5	
Output resistance	(Ω)	351 ± 2.0	
Insulation resistance	(MΩ)	≥ 5000(50VDC)	
Zero balance	(%FS)	1.5	
Temperature, compensated	(°C)	-10 ~ +40	
Temperature, operating	(°C)	-35 ~ +70	
Excitation, recommended	(V)	5 ~ 12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(%FS)	150	
Ultimate overload	(%FS)	300	
Corner correction		0.02%load value/100mm	

Note: output sensitivity of S1 type is 2.0±0.002mv/v

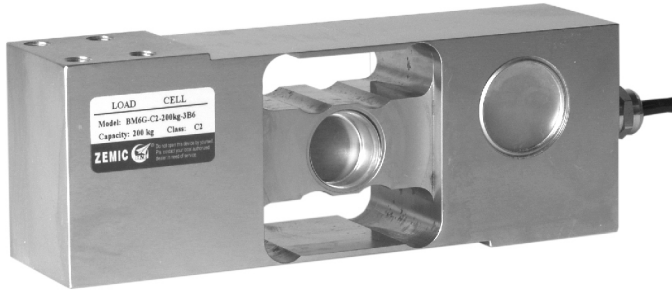
### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 2m

# BM6G



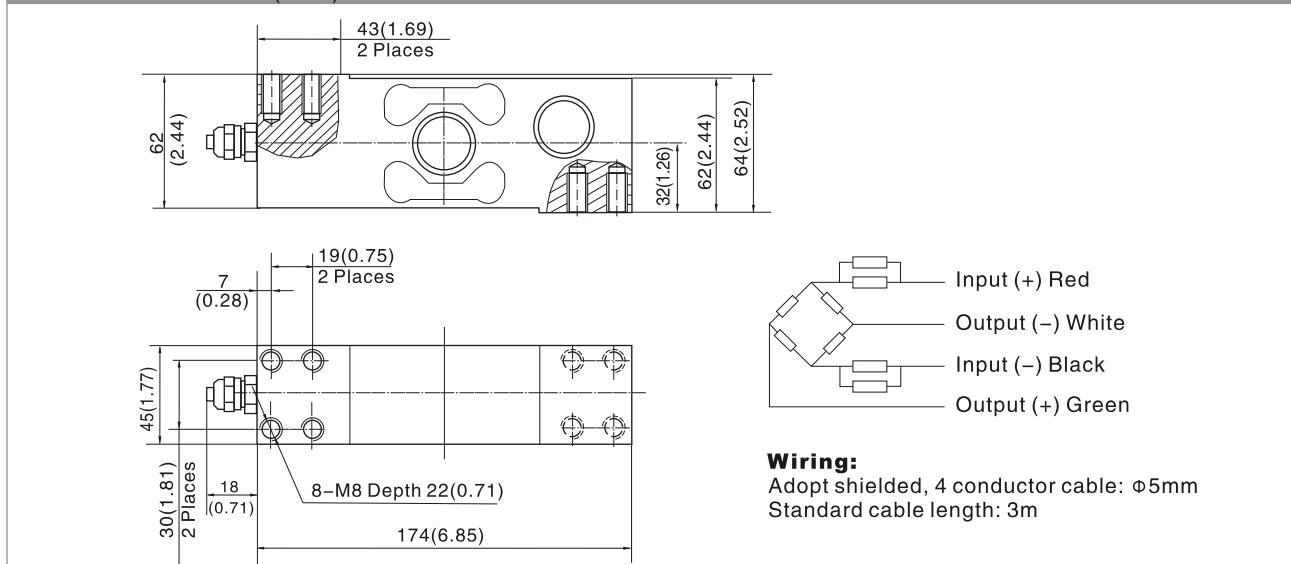
- BM6G load cells are available in the capacities 75kg~500kg.
- 17-4PH stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, platform scales, belt scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.
- Recommended platform size: 600×600mm

### Features

- Capacity: 75kg~500kg
- High accuracy
- Stainless steel construction
- Low profile and easy installation
- PTB Approval NO: D09-10.06
- OIML Certificates NO:R60/2000-DE1-10.02

Specifications			
Capacity	kg	75/100/150/200/300/400/500	
Accuracy		C2	C3
Approvals			OIML R60 C3
Maximum number of verification intervals		2000	3000
Minimum load cell verification interval	nmax	Emax/5000	Emax/10000
Combined error	vmin	≤ ±0.030	≤ ±0.020
Creep	(%FS)	≤ ±0.024	≤ ±0.016
Temperature effect on sensitivity	(%FS/30min)	≤ ±0.017	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015
Output sensitivity	(%FS/10°C)	2.0±0.2/2.0±0.002	
Input resistance	(mv/v)	350±3.5	
Output resistance	(Ω)	351±2.0	
Insulation resistance	(Ω)	≥5000(50VDC)	
Zero balance	(MΩ)	1.5	
Temperature, compensated	(%FS)	-10~+40	
Temperature, operating	(°C)	-35~+70	
Excitation, recommended	(°C)	5~12(DC)	
Excitation, max	(V)	18(DC)	
Safe overload	(V)	150	
Ultimate overload	(%FS)	300	
Corner correction	(%FS)	0.02%load value/100mm	
Note: output sensitivity of S1 type is 2.0 ± 0.002mv/v			

### Outline Dimension mm(inch)





- HM8 load cells are available in the capacities 1t~30t.
- Alloy steel, hermetically welded, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic truck scales, track scales, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 1t~30t
- High accuracy
- Alloy steel construction
- Low profile

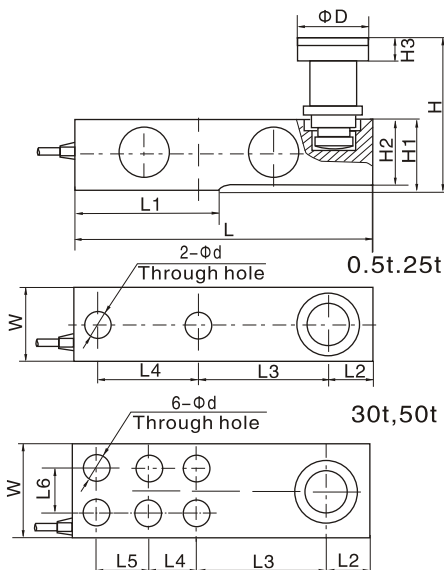
### Accessories

- HY-8-101
- HM-8-401
- HM-8-406

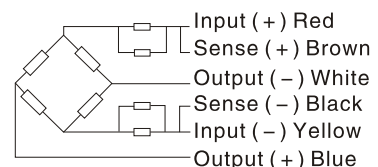


Specifications					
Capacity	t	1/2/2.5/3/5/10/15/20/25/30			
Accuracy		C2	C3	A5M	B10M
Maximum number of verification intervals	nmax	2000	3000	5000	10000
Minimum load cell verification interval	vmin	Emax/5000	Emax/10000	Emax/15000	Emax/10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.026	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.017	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.013	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.014	≤±0.020
Output sensitivity	(mv/v)	2.0±0.002			
Input resistance	(Ω)	350±3.5			
Output resistance	(Ω)	352±3.0			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.5			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



Dimension	Capacity													
	H	H1	H2	H3	ΦD	Φd	W	L	L1	L2	L3	L4	L5	L6
1-2t	57.9 (2.28)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	13 (0.51)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
2.5 t	57.9 (2.28)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	15 (0.59)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
3t	62.9 (2.48)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	15 (0.59)	37 (1.47)	203 (7.997)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
5t	78.7 (3.1)	52 (2.05)	48 (1.89)	8 (0.31)	42 (1.65)	21 (0.83)	48 (1.89)	235 (9.25)	110 (4.33)	22 (0.87)	124 (4.88)	66 (2.6)	/	/
10t,15t	127.7 (5.03)	67 (2.64)	60 (2.36)	12 (0.47)	57 (2.24)	28 (1.10)	60 (2.36)	279 (10.98)	133 (5.24)	32 (1.26)	140 (5.51)	82 (3.32)	/	/
20t,25t	143.5 (5.65)	82.5 (3.25)	70 (2.76)	12 (0.47)	70 (2.76)	34 (1.34)	70 (2.76)	318 (12.52)	153 (6.02)	38 (1.5)	159 (6.26)	89 (3.5)	/	/
30t	174 (6.85)	115 (4.53)	90 (3.54)	18 (0.71)	70 (2.76)	26 (1.02)	96 (3.78)	374 (14.72)	189 (7.44)	44.5 (1.75)	181 (7.13)	76 (2.99)	51 (2.01)	46 (1.81)



### Wiring:

Adopt shielded, 6 conductor cable: Φ6.2mm  
Standard cable length: 6m

# H8C



- H8C load cells are available in the capacities 1Klb~20Klb; 0.5t~10t.
- Alloy steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Single shear beam, easy for installation.
- Suitable for electronic platform scales, hopper scales, and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 1Klb~20Klb; 0.5t~10t
- High accuracy
- Alloy steel construction
- Low profile
- OIML Certificates No:R60/2000-CN-00.02
- PTB Approval No:D09-03.19 Revision 2
- NTEP Certificates No: CC07-012

### Accessories

- HD-8-301 • HJ-8-201 • HJ-8-203 • HJ-8-208
- HJ-8-210 • HJ-8-213 • HJ-8-214 • HJ-8-216
- HJ-8-221 • HY-8-102 • HY-8-105 • HM-8-402



### Specifications

Capacity	t	0.5/1/1.5/2/2.5/3/5/10				
		1/1.5/2/2.5/3/4/5/5KSE/7.5/10/20				
Accuracy		C2	C3	C4	A5M	B10M
Approvals	nmax		OIML R60 C3		III 5000 Multiple	IIIL 10000 Multiple
Maximum number of verification intervals	vmin	2000	3000	4000	5000	10000
Minimum load cell verification interval	(%FS)	Emax/5000	Emax/10000	Emax/14000	Emax/15000	Emax/10000
Combined error	(%FS/30min)	≤±0.030	≤±0.020	≤±0.018	≤±0.026	≤±0.050
Creep	(%FS/10°C)	≤±0.024	≤±0.016	≤±0.012	≤±0.017	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.009	≤±0.013	≤±0.040
Temperature effect on zero	(mv/v)	≤±0.023	≤±0.015	≤±0.010	≤±0.014	≤±0.020
Output sensitivity	(Ω)	2.0±0.002		3.0±0.003		
Input resistance	(Ω)	350±3.5				
Output resistance	(MΩ)	350±3.5				
Insulation resistance	(%FS)	≥5000(50VDC)				
Zero balance	(°C)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(V)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(%FS)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload		300				

Note: output sensitivity of S1 type is 2.0 ± 0.002

### Outline Dimension mm(inch)

Dimension Capacity	L	L1	L2	L3	L4	H	H1	W	W1	D	d	M
0.5t ~ 2t	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	54.2 (2.13)	31.8 (1.25)	15.8 (0.62)	31.8 (1.25)	34 (1.34)	13.5 (0.53)	13.5 (0.53)	M12 x 1.75
1K~4K	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3)	54.2 (2.13)	31.8 (1.25)	15.8 (0.62)	31.8 (1.25)	34 (1.34)	13.5 (0.53)	13.5 (0.53)	1/2-20UNF
5KSE	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3)	54.2 (2.13)	31.8 (1.25)	15.8 (0.62)	31.8 (1.25)	34 (1.34)	13.5 (0.53)	13.5 (0.53)	1/2-20UNF
2.5t ~ 5t	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)	18.8 (0.74)	38.1 (1.5)	40 (1.57)	19.8 (0.78)	19.8 (0.78)	M18 x 1.5
5K~10K	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)	18.8 (0.74)	38.1 (1.5)	40 (1.57)	19.8 (0.78)	19.8 (0.78)	3/4-16UNF
10t	222.3 (8.75)	25.4 (1.0)	50.8 (2.0)	120.7 (4.75)	101.6 (4)	50.8 (2.0)	25.4 (1.0)	50.8 (2)	52.4 (2.06)	26.92 (1.06)	26 (1.02)	M24 x 2
20K	222.3 (8.75)	25.4 (1.0)	50.8 (2.0)	120.7 (4.75)	101.6 (4)	50.8 (2.0)	25.4 (1.0)	50.8 (2)	52.4 (2.06)	26.92 (1.06)	26 (1.02)	1-12UNF

**Wiring:**  
Adopt shielded, 4 conductor cable: φ5mm  
Standard cable length: 4m(0.5t ~ 2t),  
6m(2.5t ~ 10t, 1Kb ~ 20Klb)

Note: This product has the stress groove, is not suitable for Australia market. For Australia users please choose H8C-XX-XX-XW.





- HM8C load cells are available in the capacities 0.5t~5t.
- Alloy steel, hermetically welded, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic platform scales, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 0.5t~5t
- High accuracy
- Alloy steel construction
- Low profile

### Accessories

- HJ-8-201 • HJ-8-216 • HJ-8-203 • HY-8-102
- HJ-8-204 • HY-8-103 • HJ-8-208 • HY-8-105
- HJ-8-213 • HD-8-301 • HJ-8-214 • HM-8-402
- HJ-8-215

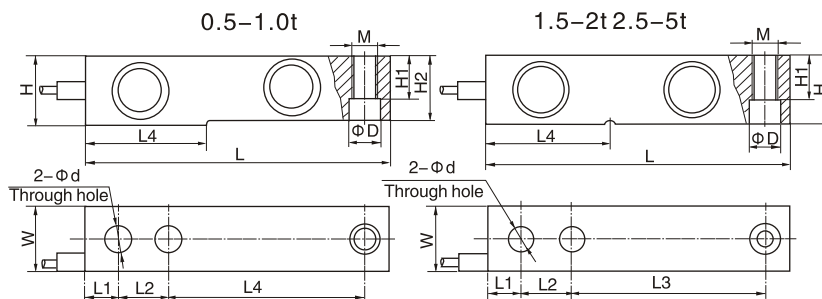


### Specifications

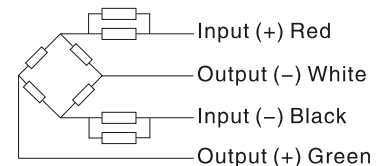
Capacity	t	0.5/1/1.5/2/2.5/3/5				
		C1	C2	C3	A5M	B10M
Accuracy						
Maximum number of verification intervals	n <sub>max</sub>	1000	2000	3000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /3000	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤±0.050	≤±0.030	≤±0.020	≤±0.026	≤±0.050
Creep	(%FS/30min)	≤±0.038	≤±0.024	≤±0.016	≤±0.017	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.028	≤±0.017	≤±0.011	≤±0.013	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.047	≤±0.023	≤±0.015	≤±0.014	≤±0.020
Output sensitivity	(mv/v)	2.0±0.004				
Input resistance	(Ω)	350±3.5				
Output resistance	(Ω)	351±2.0				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.5				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

Note: output sensitivity of S1 type is 2.0 ± 0.002

### Outline Dimension mm(inch)



Dimension Capacity (t)	L	L1	L2	L3	L4	H	H1	H2	W	D	d	M
0.5	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	53.7 (2.11)	31.8 (1.25)	15.8 (0.62)	26 (1.02)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
1.0	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3)	53.7 (2.11)	31.8 (1.25)	15.8 (0.62)	28 (1.1)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
1.5-2	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3)	54.2 (2.13)	31.8 (1.25)	15.8 (0.62)	—	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
2.5	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	76.2 (3.0)	38.1 (1.5)	18.8 (0.74)	34 (1.34)	38.1 (1.5)	19.8 (0.78)	19.8 (0.78)	M18 × 1.5
3-5	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)	18.8 (0.74)	—	38.1 (1.5)	19.8 (0.78)	19.8 (0.78)	M18 × 1.5



### Wiring:

Adopt shielded, 4 conductor cable: φ5mm  
Standard cable length: 4m(0.5t ~ 2t),  
6m(2.5t ~ 10t)



- B8D load cells are available in the capacities 0.25Klb~20Klb; 0.5t~5t.
- Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic truck scales, automobile testing facilities, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 0.25Klb~20Klb; 0.5t~5t
- High accuracy
- Stainless steel construction
- Low profile
- OIML Certificates No:R60/2000-CNI-06.05
- PTB Approval No:D09-05.19

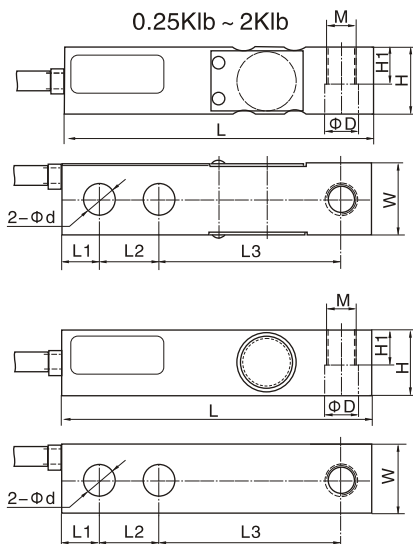
### Accessories

- BJ-8-202 • BJ-8-219 • BJ-8-205 • BJ-8-220
- BJ-8-209 • BJ-8-221 • BJ-8-211 • BY-8-104
- BJ-8-212 • BM-8-104

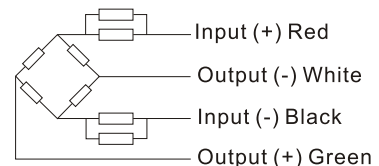
### Specifications

Capacity	t	0.5/1/2/5			
		Klb			
		0.25/0.5/0.75/1/1.5/2/2.5/2.5KSE/3/4/5/5KSE/7.5/10/15/20			
Accuracy		C2	C3	A5M	B10M
Approvals			OIML R60 C3		
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.026	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.017	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.013	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.014	≤±0.020
Output sensitivity	(mv/v)	3.0±0.008			
Input resistance	(Ω)	350±3.5			
Output resistance	(Ω)	350±3.5			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



Capacity	Dimension									
	L	L1	L2	L3	d	H	W	D	H1	M
0.25Klb, 0.5Klb 0.75Klb, 1Klb	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	13.46 (0.52)	30.2 (1.19)	30.7 (1.20)	13.4 (0.53)	16 (0.63)	M12-6H 1/2-20UNF-2B
0.5t, 1t, 2t, 2.5Klb, 3Klb, 4Klb, 5KSE	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	13.4 (0.53)	31.32 (1.23)	31.32 (1.23)	13.4 (0.53)	15.75 (0.62)	M12-6H 1/2-20UNF-2B
3t, 5t 2.5KSE, 5K, 7.5K, 10K, 15K	171 (6.73)	19 (0.75)	38.1 (1.5)	95.2 (3.75)	20.65 19.81	36.8 (1.45)	36.8 (1.45)	20.65 19.81	17.78 (0.7)	M20 × 2.5-6H 3/4-15UNF-2B
20K	222.25 (8.75)	25.4 (1.0)	50.8 (2.0)	120.7 (4.75)	26.9 (1.06)	49.5 (1.95)	49.5 (1.95)	27.56 (1.08)	24.78 (0.97)	M24 × 2-6H 1-12UNF-2B



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 6m



- BM8D load cells are available in the capacities 1Klb~20Klb; 0.5t~10t.
- Stainless steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic platform scales, electronic truck scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 1Klb~20Klb; 0.5t~10t
- High accuracy
- Stainless steel construction
- Low profile

### Accessories

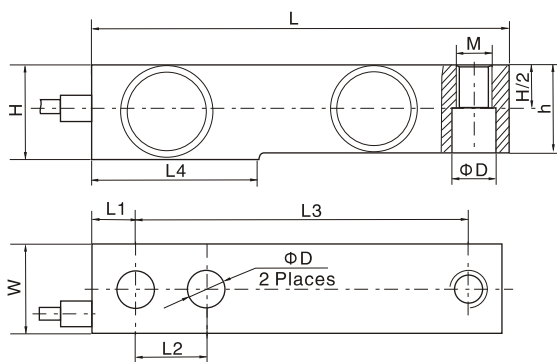
- BJ-8-209 • BJ-8-208 • BJ-8-211
- BJ-8-210 • BJ-8-215 • HJ-8-213
- BJ-8-219 • HJ-8-214 • BJ-8-220



Capacity	t Klb	0.5/1/1.5/2/2.5/3/5/7.5/10			
		1/1.5/2/2.5/2.5KSE/3/4/5/5KSE/7.5/10/15/20			
Accuracy		C2	C3	A5M	B10M
Maximum number of verification intervals	nmax	2000	3000	5000	10000
Minimum load cell verification interval	vmin	Emax/5000	Emax/10000	Emax/15000	Emax/10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.026	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.017	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.013	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.014	≤±0.020
Output sensitivity	(mv/v)	2.0±0.04		3.0±0.008	
Input resistance	(Ω)	350±3.5			
Output resistance	(Ω)	350±3.5			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

Note: output sensitivity of S1 type is 2.0±0.04

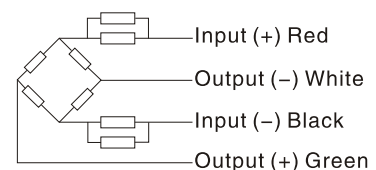
### Outline Dimension mm(inch)



Dimension Capacity	W	D	H	h	L	L1	L2	L3	L4	M
1K	30.7	13.5	30.2	24.76(0.98)						
1.5K, 2K	(1.21)	(0.53)	(1.89)	26(1.024)						
2.5K				27(1.06)						
3K-5KSE	31.3	13.5	31.3	29.3(1.15)	130	15.7	25.4	101.6	57.1	1/2-20UNF-2B
0.5t	(1.23)	(0.53)	(1.23)	24.76(0.98)	(5.12)	(0.62)	(1)	(4)	(2.25)	
1t				26(1.024)						M12 x 1.75
1.5t-2t				29.3(1.15)						
2.5KSE	36.8	19.8	36.8	32.8(1.29)	171.5	19.1	38.1	133.3	76.2	3/4-16UNF-2B
5K-15K	(1.45)	(0.779)	(1.45)	34.8(1.37)	(6.75)	(0.748)	(1.5)	(5.25)	(3)	M20 x 2.5
2.5t-5t		20.5(0.81)								M20 x 2.5
20K	49.5	26.9	49.5	47.5(1.87)	222.2	25.4	50.8	171.5	101.6	1-12UNF-2B
7.5t-10t	(1.95)	(1.06)	(1.95)		(8.75)	(1)	(2)	(6.75)	(4)	M24 x 2

### Wiring:

Adopt shielded, 4 conductor cable.  
Standard cable length: 6m





- H8H load cells are available in the capacities 0.25t~5t, 0.5Klb~10Klb.
- Alloy steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic truck scales, track scales, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 0.25t~5t, 0.5Klb~10Klb
- High accuracy
- Alloy steel construction
- Low profile

### Accessories

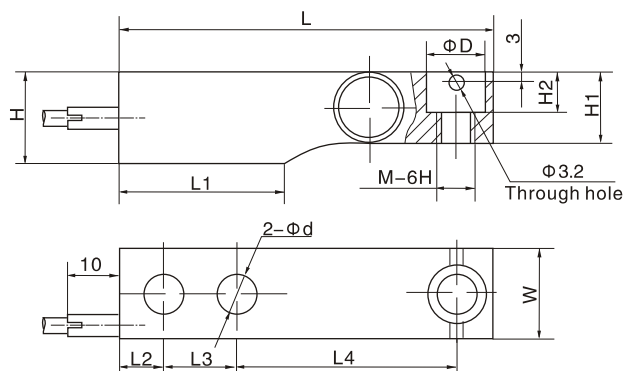
- HJ-8-217 • HJ-8-218



### Specifications

Capacity	t Klb	0.25/0.5/1/2/5			
		0.5/1/2/2.5/4/5/10			
		C2	C3	A5M	B10M
Accuracy					
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.026	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.017	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.013	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.014	≤±0.020
Output sensitivity	(mv/v)	2.0±0.02			
Input resistance	(Ω)	1000±50		350±3.5	
Output resistance	(Ω)	1000±10		350±3.5	
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

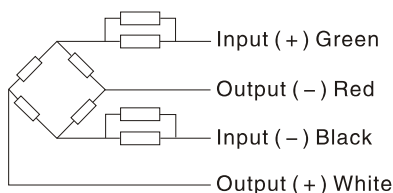
### Outline Dimension mm(inch)



Capacity Dimension	0.25t 0.5Klb	0.5t 1Klb	1.0t 2Klb, 2.5Klb	2.0t 4Klb, 5Klb	5.0t 10Klb
L	130.0 (5.12)	130.0 (5.12)	130.0 (5.12)	130.0 (5.12)	172 (6.71)
L1	57 (2.24)	57.1 (2.25)	57.1 (2.25)	57.1 (2.25)	76.2 (3.0)
L2	15.5 (0.62)	15.5 (0.62)	15.5 (0.62)	15.5 (0.62)	19.1 (0.75)
L3	25.4 (1.0)	25.4 (1.0)	25.4 (1.0)	25.4 (1.0)	38.1 (1.5)
L4	76.2 (3.01)	76.2 (3.0)	76.2 (3.0)	76.2 (3.0)	95.3 (3.75)
H	31.8 (1.24)	31.8 (1.24)	31.8 (1.24)	35.9 (1.41)	44 (1.72)
H1	25.50 25.32	26.0 (1.02)	27.95 (1.1)	31.95 (1.26)	40.0 (1.57)
H2	14.2 (0.55)	14.2 (0.55)	14.2 (0.55)	14.2 (0.55)	20 (0.78)
W	31.8 (1.23)	31.8 (1.23)	31.8 (1.23)	31.8 (1.23)	38 (1.48)
D	20.5 (0.81)	20.5 (0.81)	20.5 (0.81)	20.5 (0.81)	30.2 (1.19)
d	13 (0.51)	13 (0.51)	13 (0.51)	13 (0.51)	20.5 (0.8)
M	M12 1/2-20UNF	M12 1/2-20UNF	M12 1/2-20UNF	M12 1/2-20UNF	M20 3/4-20UNF

### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 6m(250Kg ~ 1t, 0.5Klb ~ 2.5Klb)  
3m(2t ~ 5t, 4Klb ~ 10Klb)



# BM8H



- BM8H load cells are available in the capacities 500lb~10Klb; 0.25t~5t.
- Stainless steel construction, hermetically welded, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic truck scales, track scales, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 500lb~10Klb; 0.25t~5t
- High accuracy
- Stainless steel construction
- Low profile
- PTB Approval No:D09-08.24
- NTEP Certificates NO:CC10-056

### Accessories

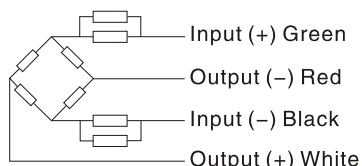
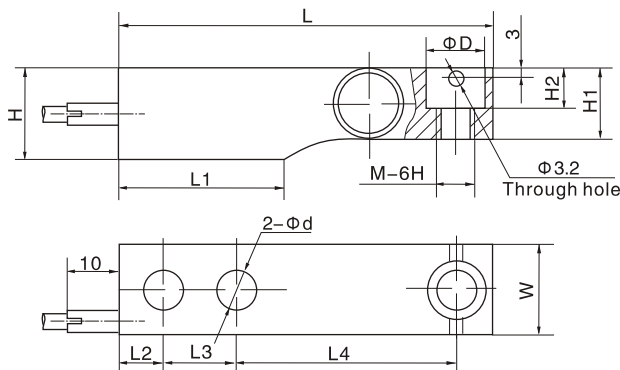
- BJ-8-206 • BJ-8-207 • BM-8-406



### Specifications

Capacity	t Klb	0.25/0.5/1/2/5 0.5/1/2.5/4/5/10				
		C2	C3	C4	A5M	B10M
Accuracy						
Approvals			OIML R60 C3		III 5000 Multiple	
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /14000	E <sub>max</sub> /20000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	2.0±0.02				
Input resistance	(Ω)	1000±10			350±3.5	
Output resistance	(Ω)	1004±5			351±2.0	
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

### Outline Dimension mm(inch)

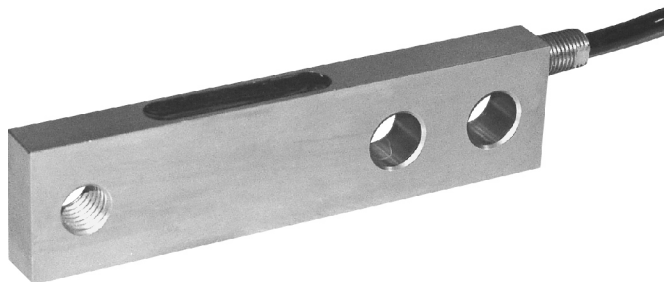


### Wiring:

Adopt shielded, 4 conductor cable.  
Standard cable length: 6m(2t ~ 5t, 4Klb ~ 10Klb)  
3m(0.5t ~ 1t, 1Klb ~ 2.5Klb)

Capacity Dimension	250kg (500lb)	500kg (1Klb)	1.0t(2Klb) (2.5K)	1.5t,2.0t (4Klb,5Klb)	5.0t (10Klb)
L	130.0 (5.12)	130.0 (5.12)	130.0 (5.12)	130.0 (5.12)	172 (6.71)
L1	57 (2.24)	57.1 (2.25)	57.1 (2.25)	57.1 (2.25)	76.2 (3.0)
L2	15.5 (0.62)	15.5 (0.62)	15.5 (0.62)	15.5 (0.62)	19.1 (0.75)
L3	25.4 (1.0)	25.4 (1.0)	25.4 (1.0)	25.4 (1.0)	38.1 (1.5)
L4	76.2 (3.01)	76.2 (3.0)	76.2 (3.0)	76.2 (3.0)	95.3 (3.75)
H	31.8 (1.24)	31.8 (1.24)	31.8 (1.24)	35.9 (1.41)	44 (1.72)
H1	25.50 25.32	26.0 (1.02)	27.95 (1.1)	31.95 (1.26)	40.0 (1.57)
H2	14.2 (0.55)	14.2 (0.55)	14.2 (0.55)	14.2 (0.55)	20 (0.78)
W	31.8 (1.23)	31.8 (1.23)	31.8 (1.23)	31.8 (1.23)	38 (1.48)
D	20.5 (0.81)	20.5 (0.81)	20.5 (0.81)	20.5 (0.81)	30.2 (1.19)
d	13 (0.51)	13 (0.51)	13 (0.51)	13 (0.51)	20.5 (0.8)
M	M12 1/2-20UNF	M12 1/2-20UNF	M12 1/2-20UNF	M12 1/2-20UNF	M20 3/4-20UNF





- H8Q load cells are available in the capacities 200kg~2t.
- Alloy steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic platform, hopper scales, floor scales and other electronic weighing devices.

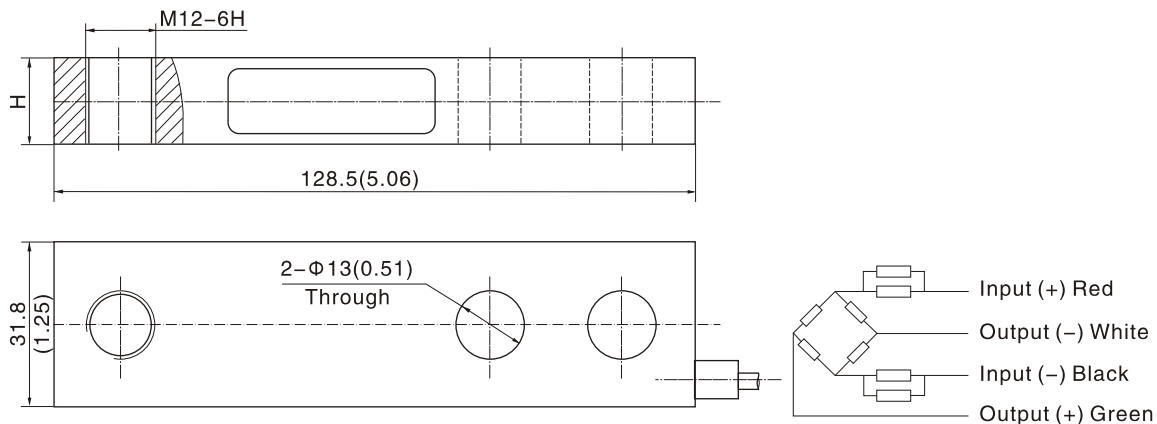
### Features

- Capacity: 200kg~2t
- High accuracy
- Alloy steel construction
- Extremely low profile



Specifications					
Capacity	t	0.2/0.5/1/2			
Accuracy		C2	C3	A5S	A5M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.002			
Input resistance	(Ω)	1000±5			
Output resistance	(Ω)	1000±3			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



Capacity	200kg	500kg	1t	2t
Dimension				
H	12.7 (0.5)	15.9 (0.63)	19.1 (0.75)	25.4 (1.0)

### Wiring:

Adopt shielded, 4 conductor cable:  $\phi$ 5mm  
Standard cable length: 3m



- B8Q load cells are available in the capacities 200kg~2t.
- Stainless steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic platform, hopper scales, floor scales and other electronic weighing devices.

### Features

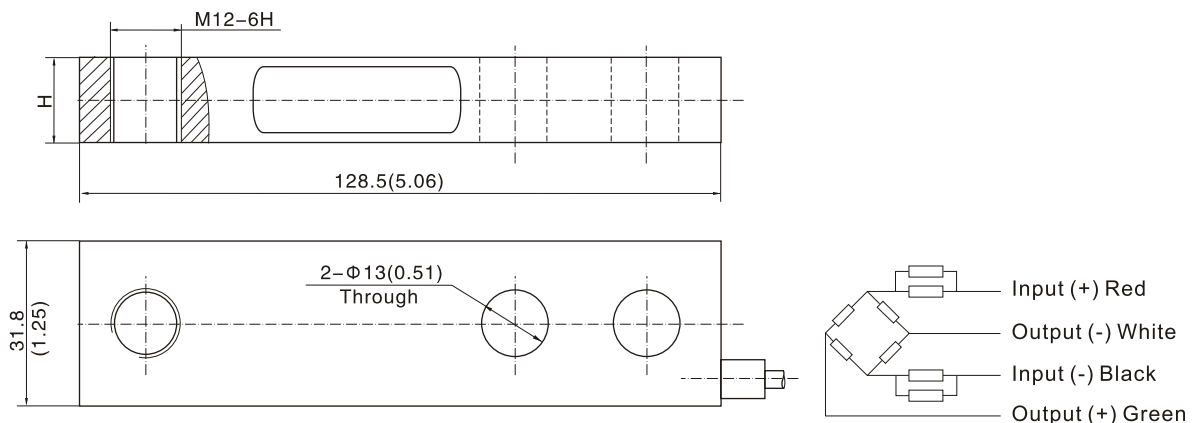
- Capacity: 200kg~2t
- High accuracy
- Stainless steel construction
- Extremely low profile



### Specifications

Capacity	t	0.2/0.5/1/2			
		C2	C3	A5S	A5M
Accuracy					
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.002			
Input resistance	(Ω)	1000±5			
Output resistance	(Ω)	1000±3			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



Capacity	200kg	500kg	1t	2t
Dimension				
H	12.7 (0.5)	15.9 (0.63)	19.1 (0.75)	25.4 (1.0)

### Wiring:

Adopt shielded, 4 conductor cable: φ5mm  
Standard cable length: 3m



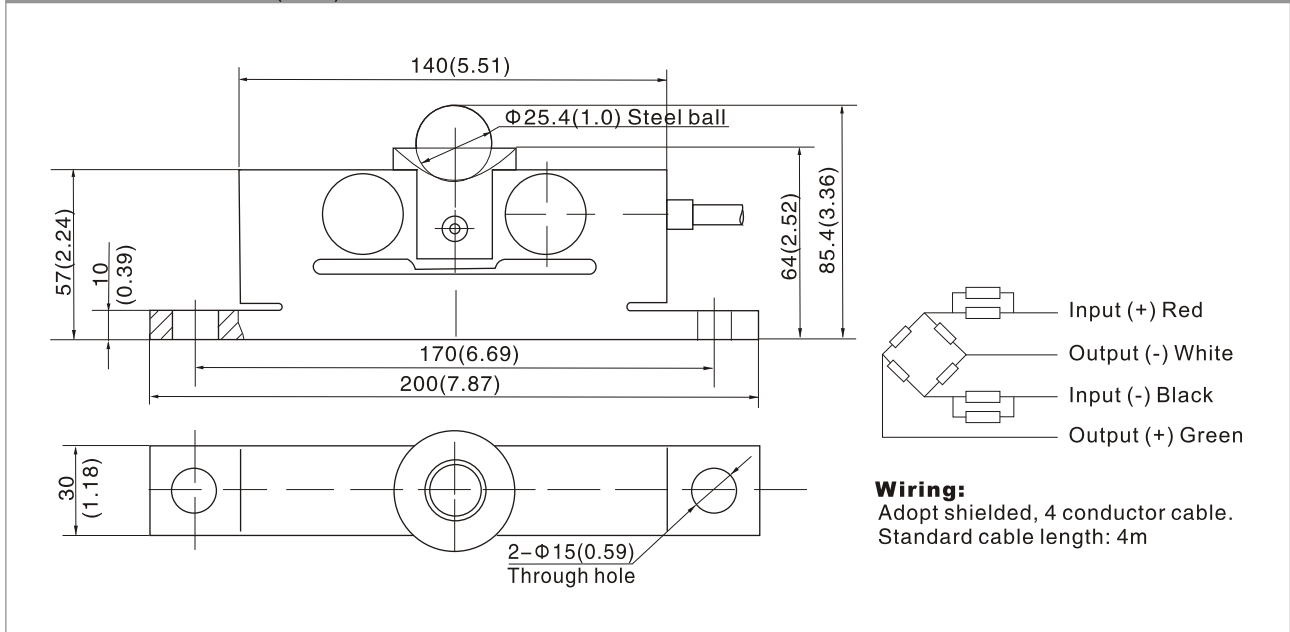
- B9B1 load cells are available in the capacity of 2t.
- Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, easy for installation, suitable for electronic platform scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 2t
- High accuracy
- Stainless steel construction
- Low profile

Specifications						
Capacity	t	2				
Accuracy		C1	C2	C3	A5M	B10M
Maximum number of verification intervals	n <sub>max</sub>	1000	2000	3000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /3000	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.050	≤ ±0.030	≤ ±0.020	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.038	≤ ±0.024	≤ ±0.016	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.028	≤ ±0.017	≤ ±0.011	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.047	≤ ±0.023	≤ ±0.015	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	1.2±0.004				
Input resistance	(Ω)	700±7				
Output resistance	(Ω)	703±4				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	2.5				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

### Outline Dimension mm(inch)



# HM9A



- HM9A load cells are available in the capacities 10t~50t.
- Alloy steel construction, nickel plated, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, railway scales and other electronic weighing devices.

### Features

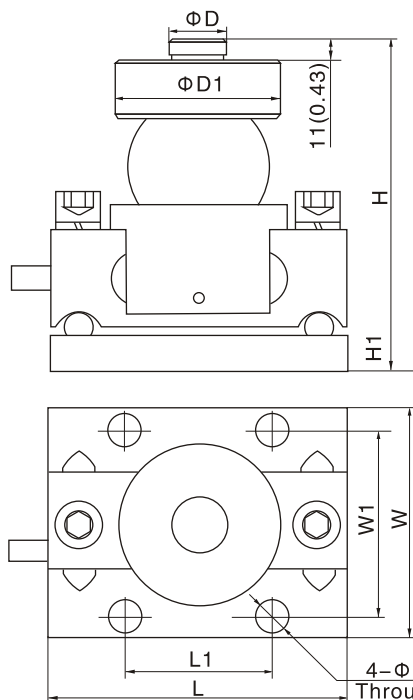
- Capacity: 10t~50t
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance

### Accessories

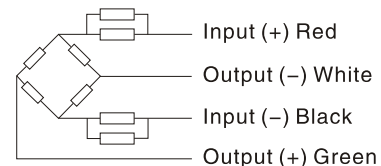
Button, steel ball, ball cup, base plate

Specifications						
Capacity	t	10/15/20/25/30/40/40SE/50				
Accuracy		C1	C2	C3	A5M	B10M
Maximum number of verification intervals	n <sub>max</sub>	1000	2000	3000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /3000	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.050	≤ ±0.030	≤ ±0.020	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.038	≤ ±0.024	≤ ±0.016	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.028	≤ ±0.017	≤ ±0.011	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.047	≤ ±0.023	≤ ±0.015	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	2.0±0.002				
Input resistance	(Ω)	700±3.5				
Output resistance	(Ω)	703±3.5				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.5				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

### Outline Dimension mm(inch)



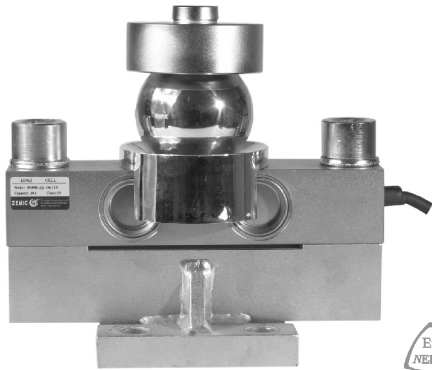
Dimension	L	L1	W	W1	W2	H	H1	D	D1	D2	SR
Capacity											
10t ~ 40tSE	160 (6.29)	80 (3.14)	125 (4.92)	100 (3.93)	56 (2.2)	179 (7.04)	19 (0.74)	30 (1.18)	88 (3.46)	18 (0.70)	76.2 (3)
40t ~ 50t	200 (7.87)	124 (4.88)	155 (6.1)	124 (4.88)	62 (2.44)	220 (8.66)	24 (0.84)	40 (1.57)	98 (3.85)	21 (0.82)	82 (3.22)



### Wiring:

Adopt shielded, 4 conductor cable:  $\phi$ 5.5mm  
Standard cable length: 12m  
Cable type and cable length for customers own applications are available on requests.

# HM9B



- HM9B load cells are available in the capacities 10t~50t.
- Alloy steel construction, nickel plated, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, railway scales and other electronic weighing devices.

### Features

- Capacity: 10t~50t
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance
- OIML Certificates No:R60/2000-CNI-06.06
- PTB Approval No:D09-06.08

### Accessories

Button, steel ball, ball cup, base plate

### Specifications

Capacity	t	10/20/25/30/40/40tSE/50				
Accuracy		C1	C2	C3	A5M	B10M
Approvals				OIML R60 C3		
Maximum number of verification intervals	n <sub>max</sub>	1000	2000	3000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /3000	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.050	≤ ±0.030	≤ ±0.020	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.038	≤ ±0.024	≤ ±0.016	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.028	≤ ±0.017	≤ ±0.011	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.047	≤ ±0.023	≤ ±0.015	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	2.0±0.002				
Input resistance	(Ω)	700±7		750±7		
Output resistance	(Ω)	700±7				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.5				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

### Outline Dimension mm(inch)

**10-40tSE**

**40t,50t**

Capacity	10t	20t~40tSE	40t,50t
Dimension			
H	195 (7.68)	225 (8.86)	267 (10.51)
SΦ	50 (1.97)	76 (2.99)	82 (3.22)

**Wiring:**  
Adopt shielded, 4 conductor cable: Φ5.5mm  
Standard cable length: 12m





- B9C load cells are available in the capacities 5Klb~250Klb.
- Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, automobile testing facilities, track scales, tank scales and other electronic weighing devices.

### Features

- Capacity 5Klb~250Klb
- High accuracy
- Stainless steel construction, easy installation and reliable performance
- Low profile

### Accessories

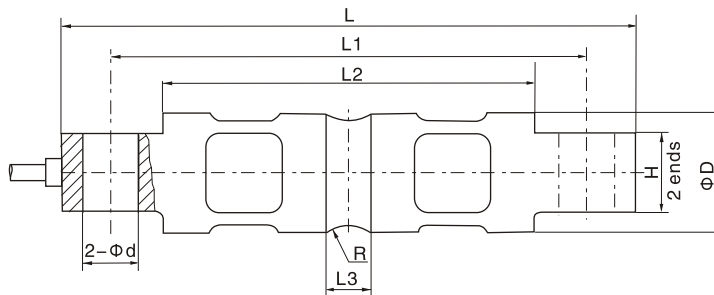
- BM-9-402 • HM-9-401



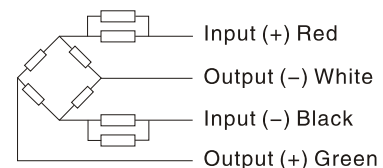
## Specifications

Capacity	Klb	5/10/20/30/40/50/60/75/100/150/200/250				
Accuracy		C2	C3	C4	A5M	B10M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /14000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	3.0±0.008				
Input resistance	(Ω)	700±7				
Output resistance	(Ω)	703±4				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

## Outline Dimension mm(inch)



Dimension Capacity	L	L1	L2	L3	ΦD	W	Φd	R
5 ~ 10	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	15.7 (0.62)	Φ43.2 (1.7)	28.4 (1.12)	Φ16.7 (0.66)	R12.7 (0.5)
15 ~ 20	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	21.3 (0.84)	Φ49.5 (1.95)	28.4 (1.12)	Φ16.7 (0.66)	R12.7 (0.5)
30 ~ 75	260.4 (10.25)	215.9 (8.5)	165.1 (6.5)	25.4 (1.0)	Φ76.2 (3.0)	60.2 (2.37)	Φ26.9 (1.06)	R25.4 (1.0)
90 ~ 100	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	Φ88.9 (3.5)	63.5 (2.5)	Φ26.9 (1.06)	R38.1 (1.5)
150	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	Φ99.1 (3.9)	71.1 (2.8)	Φ26.9 (1.06)	R38.1 (1.5)
200 ~ 250	408.9 (16.1)	330.3 (13.0)	254.0 (10.0)	31.7 (1.25)	Φ136.6 (5.38)	116.8 (4.6)	Φ39.6 (1.56)	R50.8 (2.0)



### Wiring:

Adopt shielded, 4 conductor cable.  
Cable diameter: Φ5mm(5K~20K),  
Φ8mm(30K~250K)  
Standard cable length: 9.3m



- H9C load cells are available in the capacities 5Klb~250Klb.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, automobile testing facilities, track scales, tank scales and other electronic weighing devices.

### Features

- Capacity 5Klb~250Klb
- High accuracy
- Alloy steel construction, easy installation and reliable performance
- Low profile
- PTB Approval No:D09-07.07
- NTEP Certificates No:CC07-018

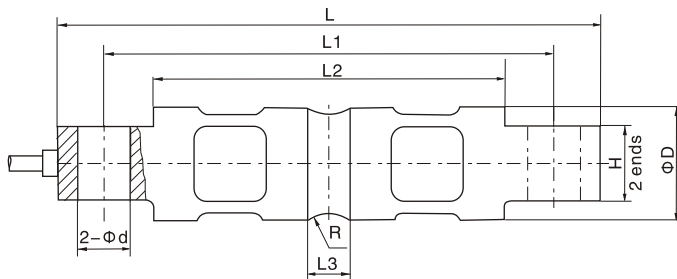
### Accessories

- HM-9-401 • BM-9-402

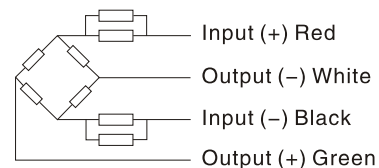
## Specifications

Capacity	Klb	5/10/20/30/40/50/60/75/100/150/200/250				
Accuracy		C2	C3	C4	A5M	B10M
Approvals			OIML R60 C3	OIML R60 C4	III 5000 Multiple	IIIL 10000 Multiple
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /14000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	3.0±0.008				
Input resistance	(Ω)	700±7				
Output resistance	(Ω)	703±4				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

## Outline Dimension mm(inch)



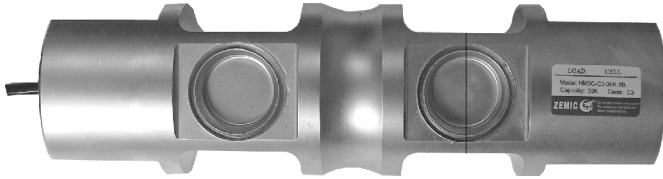
Dimension	L	L1	L2	L3	ΦD	W	Φd	R
Capacity								
5~10	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	15.7 (0.62)	Φ43.2 (1.7)	28.4 (1.12)	Φ16.7 (0.66)	R12.7 (0.5)
15~20	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	21.3 (0.84)	Φ49.5 (1.95)	28.4 (1.12)	Φ16.7 (0.66)	R12.7 (0.5)
30~75	260.4 (10.25)	215.9 (8.5)	165.1 (6.5)	25.4 (1.0)	Φ76.2 (3.0)	60.2 (2.37)	Φ26.9 (1.06)	R25.4 (1.0)
90~100	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	Φ88.9 (3.5)	63.5 (2.5)	Φ26.9 (1.06)	R38.1 (1.5)
150	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	Φ99.1 (3.9)	71.1 (2.8)	Φ26.9 (1.06)	R38.1 (1.5)
200~250	408.9 (16.1)	330.3 (13.0)	254.0 (10.0)	31.7 (1.25)	Φ136.6 (5.38)	116.8 (4.6)	Φ39.6 (1.56)	R50.8 (2.0)



### Wiring:

Adopt shielded, 4 conductor cable.  
Cable diameter: Φ5mm(5K~20K),  
Φ8mm(30K~250K)  
Standard cable length: 9.3m

# HM9C



- HM9C load cells are available in the capacities 5Klb~250Klb.
- Alloy steel construction, hermetically sealed, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, automobile testing facilities, track scales and other electronic weighing devices.

### Features

- Capacity 5Klb~250Klb
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance
- PTB Approval No: D09-06.46

### Accessories

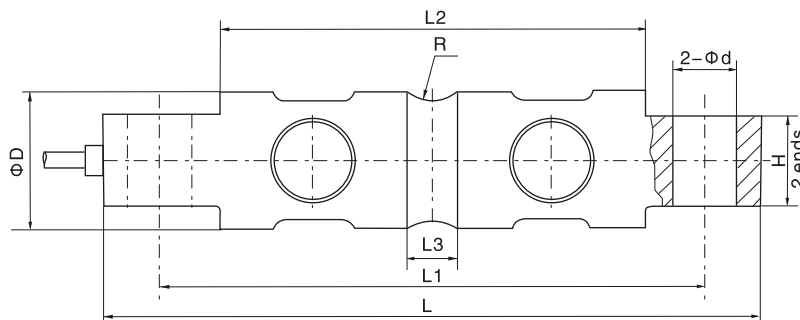
- HM-9-401 • BM-9-402



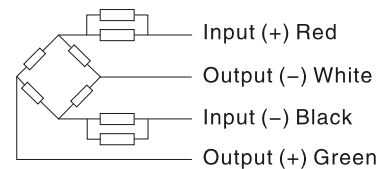
### Specifications

Capacity	Klb	5/10/15/20/30/40/50/60/75/90/100/150/200/250			
Accuracy		C2	C3	A5S	A5M
Approvals			OIML R60 C3		
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	3.0±0.008			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)

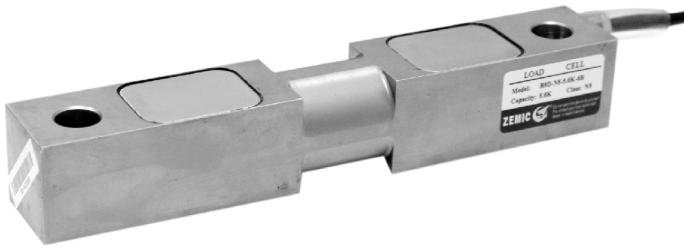


Dimension Capacity	L	L1	L2	L3	ΦD	Φd	H	R
5~10	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	15.7 (0.62)	Φ43.2 (1.7)	Φ16.7 (0.66)	28.4 (1.12)	R12.7 (0.5)
15~20	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	21.3 (0.84)	Φ49.5 (1.95)	Φ16.7 (0.66)	28.4 (1.12)	R12.7 (0.5)
30~75	260.0 (10.25)	215.9 (8.5)	165.1 (6.5)	25.4 (1.0)	Φ76.2 (3.0)	Φ26.9 (1.06)	60.2 (2.37)	R25.4 (1.0)
90~100	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	Φ88.9 (3.5)	Φ26.9 (1.06)	63.5 (2.5)	R38.1 (1.5)
150	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	Φ99.1 (3.9)	Φ26.9 (1.06)	71.1 (2.8)	R38.1 (1.5)
200~250	408.9 (16.1)	330.3 (13.0)	254.0 (10.0)	31.7 (1.25)	Φ136.6 (5.38)	Φ39.6 (1.56)	116.8 (4.6)	R50.8 (2.0)



### Wiring:

Adopt shielded, 4 conductor cable.  
Cable diameter: Φ5mm(5K~20K),  
Φ8mm(30K~250K)  
Standard cable length: 9.3m



- B9D load cells are available in the capacities 1Klb~75Klb.
- Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, automobile testing facilities, track scales, tank scales and other electronic weighing devices.

### Features

- Capacity 1Klb~75Klb
- High accuracy
- Stainless steel construction, easy installation and reliable performance
- Low profile

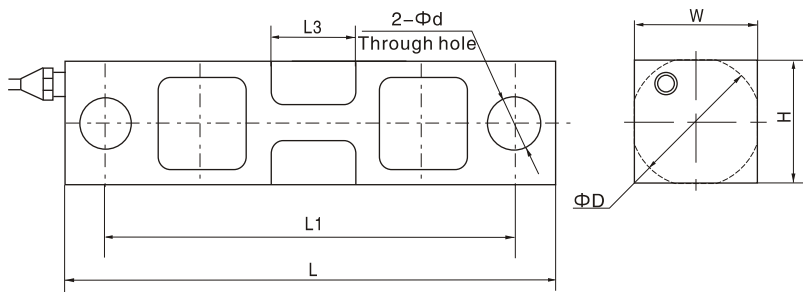
### Accessories

- HM-9-403 • BM-9-404

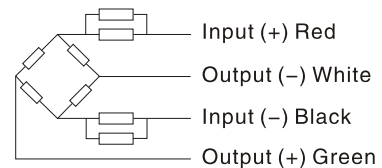
## Specifications

Capacity	Klb	1/1.5/2/2.5/4/5/10/15/20/25/35/50/75				
Accuracy		C2	C3	C4	A5M	B10M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /14000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	3.0±0.008				
Input resistance	(Ω)	700±7				
Output resistance	(Ω)	703±4				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

## Outline Dimension mm(inch)

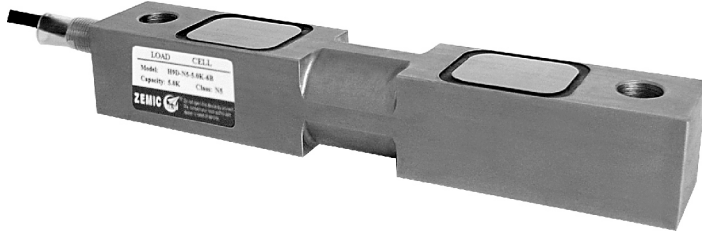


Dimension	L	L1	L2	ΦD	Φd	H	W
Capacity							
1~5	190.5 (7.5)	158.75 (6.25)	30.48 (1.2)	Φ31.5 (1.24)	Φ12.7 (0.5)	30.99 (1.22)	30.99 (1.22)
10~35	222.25 (8.75)	190.5 (7.5)	41.15 (1.62)	Φ50.8 (2.0)	Φ20.57 (0.81)	49.15 (1.94)	36.45 (1.44)
50~75	342.9 (13.5)	292.1 (11.5)	82.55 (3.25)	Φ75.95 (2.99)	Φ33.32 (1.31)	74.68 (2.94)	61.98 (2.44)



### Wiring:

Adopt shielded, 4 conductor cable.  
Cable diameter: Φ5mm  
Standard cable length: 6m



- H9D load cells are available in the capacities 1Klb~75Klb.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, automobile testing facilities, track scales, tank scales and other electronic weighing devices.

### Features

- Capacity 1Klb~75Klb
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance
- Low profile

### Accessories

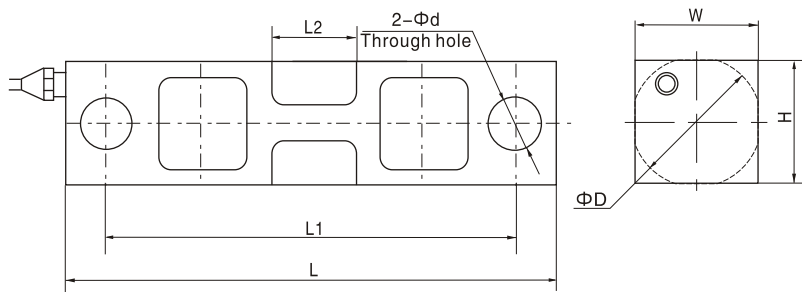
- HM-9-403 • BM-9-404



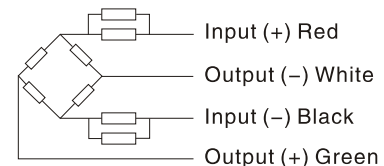
### Specifications

Capacity	Klb	1/1.5/2/2.5/4/5/10/15/20/25/35/50/75				
Accuracy		C2	C3	C4	A5M	B10M
Maximum number of verification intervals	$n_{max}$	2000	3000	4000	5000	10000
Minimum load cell verification interval	$v_{min}$	$E_{max}/5000$	$E_{max}/10000$	$E_{max}/14000$	$E_{max}/15000$	$E_{max}/10000$
Combined error	(%FS)	$\leq \pm 0.030$	$\leq \pm 0.020$	$\leq \pm 0.018$	$\leq \pm 0.026$	$\leq \pm 0.050$
Creep	(%FS/30min)	$\leq \pm 0.024$	$\leq \pm 0.016$	$\leq \pm 0.012$	$\leq \pm 0.017$	$\leq \pm 0.040$
Temperature effect on sensitivity	(%FS/10°C)	$\leq \pm 0.017$	$\leq \pm 0.011$	$\leq \pm 0.009$	$\leq \pm 0.013$	$\leq \pm 0.040$
Temperature effect on zero	(%FS/10°C)	$\leq \pm 0.023$	$\leq \pm 0.015$	$\leq \pm 0.010$	$\leq \pm 0.014$	$\leq \pm 0.020$
Output sensitivity	(mv/v)	$3.0 \pm 0.008$				
Input resistance	( $\Omega$ )	$700 \pm 7$				
Output resistance	( $\Omega$ )	$703 \pm 4$				
Insulation resistance	(M $\Omega$ )	$\geq 5000(50VDC)$				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

### Outline Dimension mm(inch)



Dimension Capacity	L	L1	L2	$\Phi D$	$\Phi d$	H	W
1~5	190.5 (7.5)	158.75 (6.25)	30.48 (1.2)	$\Phi 31.5$ (1.24)	$\Phi 12.7$ (0.5)	30.99 (1.22)	30.99 (1.22)
10~35	222.25 (8.75)	190.5 (7.5)	41.15 (1.62)	$\Phi 50.8$ (2.0)	$\Phi 20.57$ (0.81)	49.15 (1.94)	36.45 (1.44)
50~75	342.9 (13.5)	292.1 (11.5)	82.55 (3.25)	$\Phi 75.95$ (2.99)	$\Phi 33.32$ (1.31)	74.68 (2.94)	61.98 (2.44)

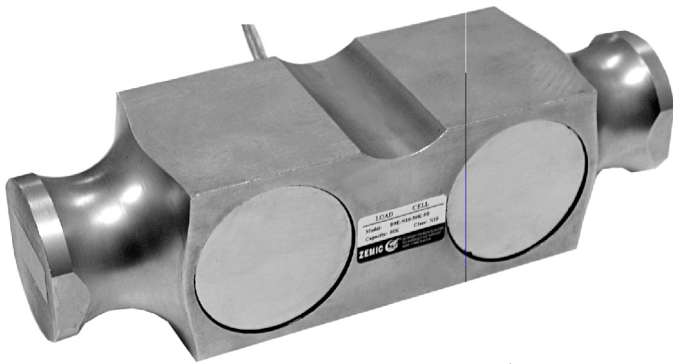


### Wiring:

Adopt shielded, 4 conductor cable.  
Cable diameter:  $\Phi 5mm$   
Standard cable length: 6m



# B9E



- B9E load cells are available in the capacities 50Klb~150Klb.
- Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, track scales, hopper scales and other electronic weighing devices.

### Features

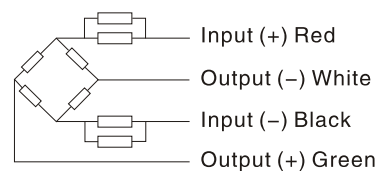
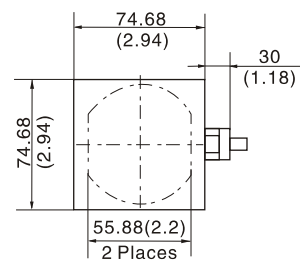
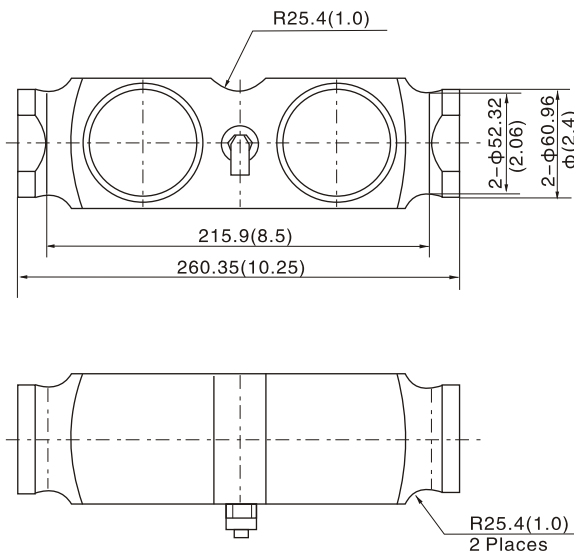
- Capacity 50Klb~150Klb
- High accuracy
- Stainless steel construction,
- Easy installation and reliable performance



### Specifications

Capacity	Klb	50/60/65/75/100/125/150			
Accuracy		C2	C3	A5S	A5M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	3.0±0.008			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 9m

# HM9E



- HM9E load cells are available in the capacities 5Klb~250Klb, 20t~100t.
- Alloy steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, automobile testing facilities, track scales and other electronic weighing devices.

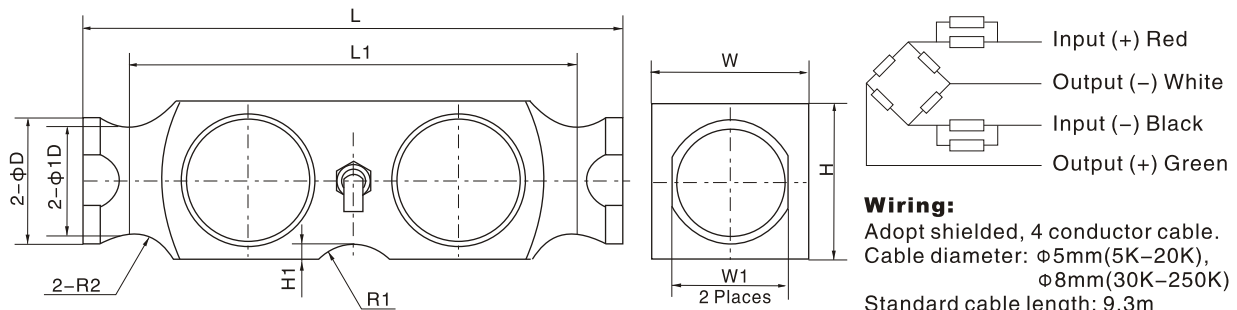
### Features

- Capacity 5Klb~250Klb; 20t~100t
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance
- NTEP Certificates No:CC10-057A1

### Specifications

Capacity	Klb t	50/60/65/75/100/125/150/200/250			
		20/30/40/45/50/60/100			
Accuracy		C2	C3	A5M	B10M
Approvals			OIML R60 C3		IIIL 10000 Multiple
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	3.0±0.003			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



Capacity \ Dimension	L	L1	H	H1	W	W1	φD	φD1	R1	R2
20t - 60t, 50Klb ~ 125Klb	260 (10.24)	215.9 (8.5)	76.2 (3.0)	7 (0.28)	76 (2.99)	55.9 (2.2)	φ61 (2.4)	φ52.3 (2.06)	25.4 (1.0)	25.4 (1.0)
100t, 150Klb ~ 250Klb	304 (11.97)	254 (10.0)	86.36 (3.4)	10 (0.39)	86.1 (3.39)	63.5 (2.5)	φ70 (2.76)	φ59.7 (2.35)	38.1 (1.5)	38.1 (1.5)

# B9F



- B9F load cells are available in the capacities 10Klb~75Klb.
- Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, hopper scales, track scales, and other electronic weighing devices.

### Features

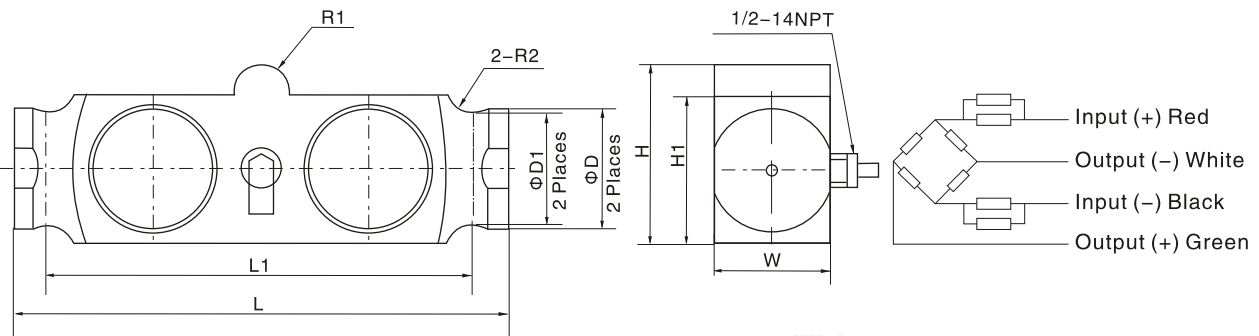
- Capacity 10Klb~75Klb
- High accuracy
- Stainless steel construction,
- Easy installation and reliable performance



### Specifications

Capacity	Klb	10/15/20/25/30/40/50/60/75			
Accuracy		C2	C3	A5S	A5M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	3.0±0.003			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)

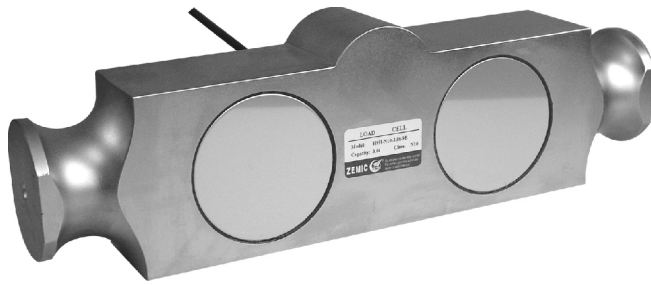


### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 9m

Dimension Capacity	L	L1	H	H1	W	ΦD	ΦD1	R1	R2
10~25Klb	203.2 (8.0)	180.95 (7.12)	58.8 (2.31)	49.28 (1.94)	36.58 (1.44)	Φ25.4 (1.0)	Φ20.32 (0.8)	R9.52 (0.38)	R9.53 (0.37)
40~75Klb	215.9 (8.5)	184.15 (7.25)	76.12 (3.0)	62.23 (2.45)	49.53 (1.95)	Φ50.8 (2.0)	Φ44.45 (1.75)	R12.7 (0.5)	R19.05 (0.75)





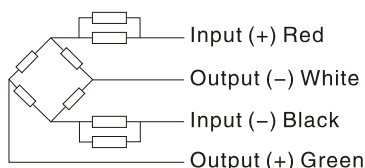
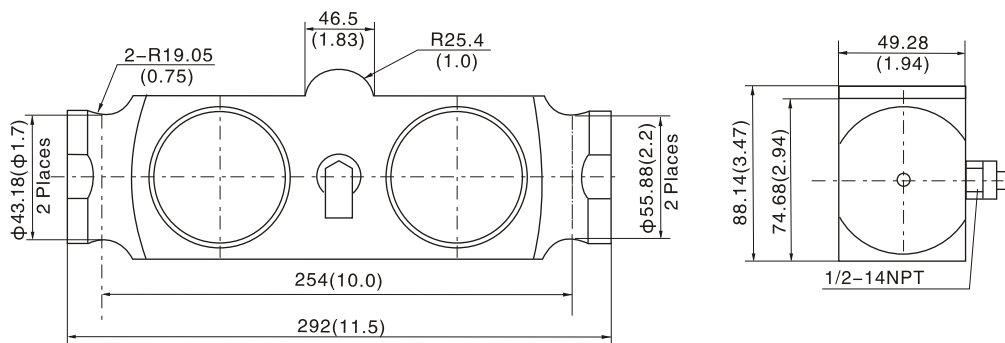
- H9H load cells are available in the capacities 50Klb~100Klb.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.

### Features

- Capacity 50Klb~100Klb
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance

Specifications					
Capacity	Klb	50/60/75/100			
Accuracy		C2	C3	A5S	A5M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	3.0±0.003			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

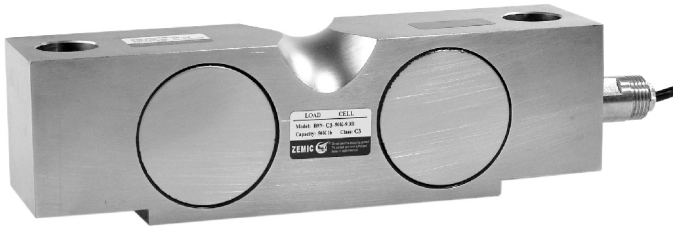
### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 9m





- B9N load cells are available in the capacities 10Klb~125Klb.
- Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.

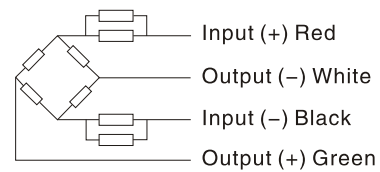
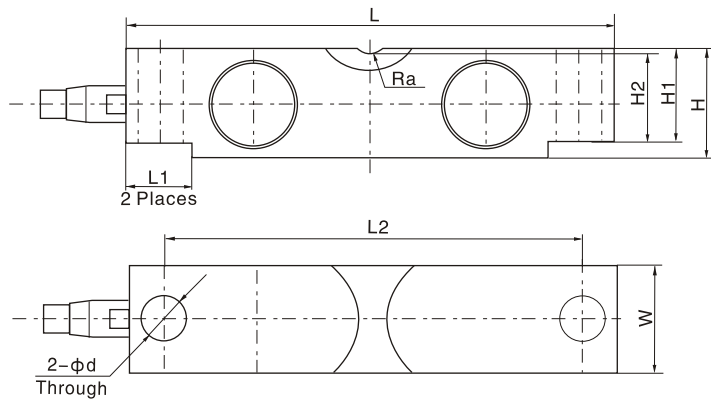
### Features

- Capacity 10Klb~125Klb
- High accuracy
- Stainless steel construction
- Easy installation and reliable performance



Specifications					
Capacity	Klb	10/15/20/25/30/40/50/60/75/100/125			
Accuracy		C2	C3	A5S	A5M
Maximum number of verification intervals	$n_{max}$	2000	3000	5000	5000
Minimum load cell verification interval	$v_{min}$	$E_{max}/5000$	$E_{max}/10000$	$E_{max}/15000$	$E_{max}/15000$
Combined error	(%FS)	$\leq \pm 0.030$	$\leq \pm 0.020$	$\leq \pm 0.018$	$\leq \pm 0.026$
Creep	(%FS/30min)	$\leq \pm 0.024$	$\leq \pm 0.016$	$\leq \pm 0.012$	$\leq \pm 0.017$
Temperature effect on sensitivity	(%FS/10°C)	$\leq \pm 0.017$	$\leq \pm 0.011$	$\leq \pm 0.009$	$\leq \pm 0.013$
Temperature effect on zero	(%FS/10°C)	$\leq \pm 0.023$	$\leq \pm 0.015$	$\leq \pm 0.010$	$\leq \pm 0.014$
Output sensitivity	(mv/v)	$3.0 \pm 0.003$			
Input resistance	( $\Omega$ )	$700 \pm 7$			
Output resistance	( $\Omega$ )	$703 \pm 4$			
Insulation resistance	(M $\Omega$ )	$\geq 5000(50VDC)$			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	$-10 \sim +40$			
Temperature, operating	(°C)	$-35 \sim +70$			
Excitation, recommended	(V)	$5 \sim 12(DC)$			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable:  $\phi 5mm$   
Standard cable length: 9m

Dimension \ Capacity	L	L1	L2	H	H1	H2	$\Phi d$	W	Ra
10 ~ 25Klb	197 (7.75)	35 (1.38)	165 (6.5)	49.3 (1.94)	43.2 (1.7)	41.4 (1.63)	$\Phi 17.3$ (0.68)	43 (1.7)	R19.1 (0.75)
30 ~ 40Klb	260.4 (10.25)	49 (1.93)	216 (8.5)	62 (2.44)	53.3 (2.1)	50.8 (2.0)	$\Phi 20.6$ (0.81)	49.3 (1.94)	R25.4 (1.0)
50 ~ 75Klb	260.4 (10.25)	49 (1.93)	216 (8.5)	74.7 (2.94)	67.3 (2.65)	64.5 (2.54)	$\Phi 26.9$ (1.06)	62 (2.44)	R25.4 (1.0)
100 ~ 125Klb	387.4 (15.25)	79.5 (3.13)	324 (12.76)	98 (3.86)	87.1 (3.43)	83.8 (3.3)	$\Phi 41.2$ (1.62)	73.7 (2.9)	R38.1 (1.5)



- H9N load cells are available in the capacities 25Klb~200Klb.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.

### Features

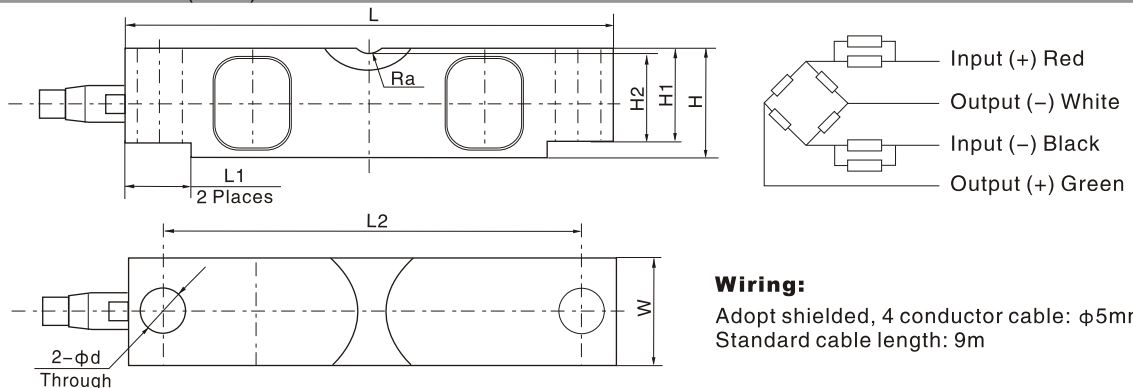
- Capacity 25Klb~200Klb
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance
- NTEP Certificates NO: CC10-057



### Specifications

Capacity	Klb	25/40/50/60/75/100/125/150/200			
Accuracy		C2	C3	A5M	B10M
Approvals					III 10000 Multiple
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.026	≤ ±0.05
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.017	≤ ±0.04
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.013	≤ ±0.04
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	3.0±0.003			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



### Wiring:

Adopt shielded, 4 conductor cable: φ5mm  
Standard cable length: 9m

Dimension Capacity	L	L1	L2	H	H1	H2	Φd	W	Ra
25Klb	197 (7.75)	35 (1.38)	165 (6.5)	49.3 (1.94)	43.2 (1.7)	41.4 (1.63)	Φ17.3 (0.68)	43 (1.7)	R19.1 (0.75)
40Klb	260.4 (10.25)	49 (1.93)	216 (8.5)	62 (2.44)	53.3 (2.1)	50.8 (2.0)	Φ20.6 (0.81)	49.3 (1.94)	R25.4 (1.0)
50~75Klb	260.4 (10.25)	49 (1.93)	216 (8.5)	74.7 (2.94)	67.3 (2.65)	64.5 (2.54)	Φ26.9 (1.06)	62 (2.44)	R25.4 (1.0)
100~125Klb	387.4 (15.25)	79.5 (3.13)	324 (12.76)	98 (3.86)	87.1 (3.43)	83.8 (3.3)	Φ41.2 (1.62)	73.7 (2.9)	R38.1 (1.5)
150~200Klb	489 (19.25)	127.8 (5.03)	387.4 (15.25)	147.3 (5.8)	130.1 (5.12)	112.8 (4.44)	Φ41.2 (1.62)	96.5 (3.8)	R50.8 (2.0)

# BM11



- BM11 load cells are available in the capacities 5kg~500kg.
- Stainless steel construction, welded with bellow, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with bellow, easy installation, suitable for crane scales, mechanical conversion scales, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity 5kg~500kg
- High accuracy
- Stainless steel construction
- Low profile
- PTB Approval No: D09-06.44
- NTEP Certificates No: CC07-020

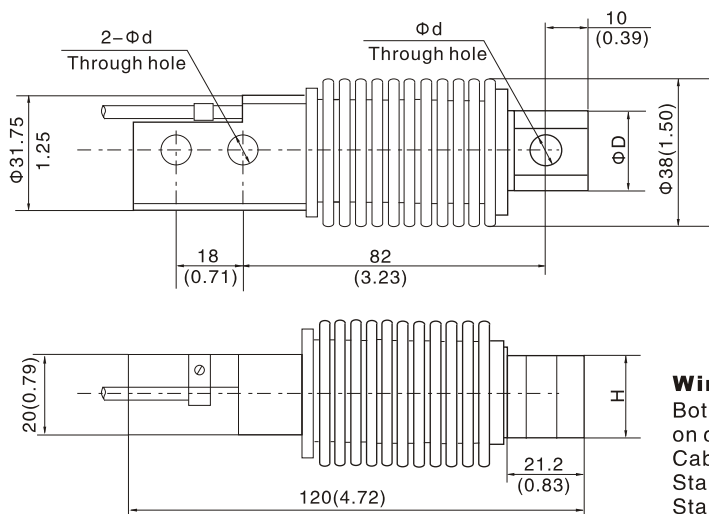
### Accessories

- BM-11-401 • BM-11-402

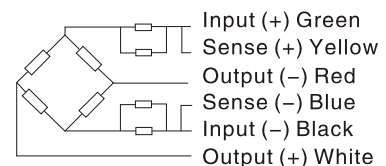
### Specifications

Capacity	kg	5/10/20/30/50/100/200/250/300/350/500					
		C2	C3	A5S	A5M	B10S	B10M
Accuracy							
Approvals			OIML R60 C3		III 5000 Multiple		III L 10000 Multiple
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000	E <sub>max</sub> /10000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026	≤ ±0.035	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017	≤ ±0.030	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013	≤ ±0.030	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014	≤ ±0.030	≤ ±0.020
Output sensitivity	(mv/v)	2.0 0.02					
Input resistance	(Ω)	460±50					
Output resistance	(Ω)	351±2.0					
Insulation resistance	(MΩ)	5000(50VDC)					
Zero balance	(%FS)	1.0					
Temperature, compensated	(°C)	-10 +40					
Temperature, operating	(°C)	-35 +70					
Excitation, recommended	(V)	5 12(DC)					
Excitation, max	(V)	18(DC)					
Safe overload	(%FS)	150					
Ultimate overload	(%FS)	300					

### Outline Dimension mm(inch)



Dimension	Capacity (kg)	
	5, 10, 20, 30, 50	100, 200, 300
d	8.2 (0.32)	10.3 (0.41)
D	23 (0.91)	24 (0.94)
H	20 (0.79)	19 (0.75)

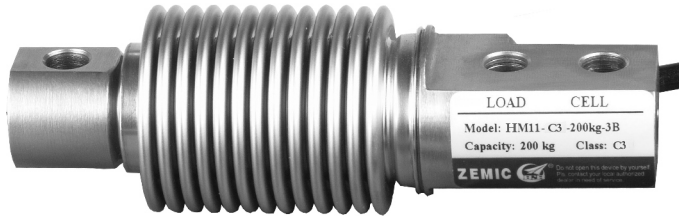


### Wiring:

Both 4 and 6 conductor wires are available on customers' requirements.  
Cable diameter:  $\phi 5 \pm 0.2\text{mm}$   
Standard length for 4 conductor cable: 3m  
Standard length for 6 conductor cable: 6m

Note: Connection of 6 conductor wires are as above. For 4 conductor wires the yellow and blue sense wires are removed

# HM11



- HM11 load cells are available in the capacities 5kg~500kg.
- Alloy steel construction, welded with bellow, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with bellow, easy installation, suitable for crane scales, mechanical conversion scales, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

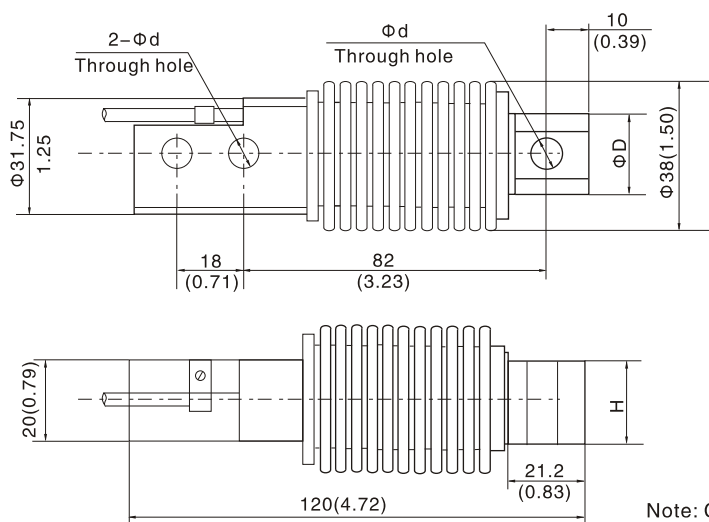
- Capacity 5kg~500kg
- High accuracy
- Alloy steel construction
- Low profile

### Accessories

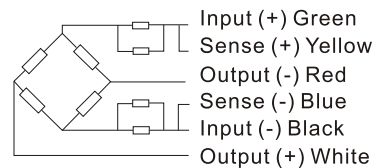
- BM-11-401 • BM-11-402

Specifications							
Capacity	kg	5/10/20/30/50/100/200/250/300/350/500					
Accuracy		C2	C3	A5S	A5M	B10S	B10M
Maximum number of verification intervals	$n_{max}$	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	$v_{min}$	$E_{max}/5000$	$E_{max}/10000$	$E_{max}/15000$	$E_{max}/15000$	$E_{max}/10000$	$E_{max}/10000$
Combined error	(%FS)	$\leq \pm 0.030$	$\leq \pm 0.020$	$\leq \pm 0.018$	$\leq \pm 0.026$	$\leq \pm 0.035$	$\leq \pm 0.050$
Creep	(%FS/30min)	$\leq \pm 0.024$	$\leq \pm 0.016$	$\leq \pm 0.012$	$\leq \pm 0.017$	$\leq \pm 0.030$	$\leq \pm 0.040$
Temperature effect on sensitivity	(%FS/10°C)	$\leq \pm 0.017$	$\leq \pm 0.011$	$\leq \pm 0.009$	$\leq \pm 0.013$	$\leq \pm 0.030$	$\leq \pm 0.040$
Temperature effect on zero	(%FS/10°C)	$\leq \pm 0.023$	$\leq \pm 0.015$	$\leq \pm 0.010$	$\leq \pm 0.014$	$\leq \pm 0.030$	$\leq \pm 0.020$
Output sensitivity	(mv/v)	2.0±0.02					
Input resistance	(Ω)	460±50					
Output resistance	(Ω)	351±2.0					
Insulation resistance	(MΩ)	$\geq 5000(50VDC)$					
Zero balance	(%FS)	1.0					
Temperature, compensated	(°C)	-10~+40					
Temperature, operating	(°C)	-35~+70					
Excitation, recommended	(V)	5~12(DC)					
Excitation, max	(V)	18(DC)					
Safe overload	(%FS)	150					
Ultimate overload	(%FS)	300					

### Outline Dimension mm(inch)



Dimension	Capacity (kg)	
	5, 10, 20, 30, 50	350, 500
d	8.2 (0.32)	10.3 (0.41)
D	23 (0.91)	24 (0.94)
H	20 (0.79)	19 (0.75)



### Wiring:

Both 4 and 6 conductor wires are available on customers' requirements.  
Cable diameter:  $\phi 5 \pm 0.2\text{mm}$   
Standard length for 4 conductor cable: 3m  
Standard length for 6 conductor cable: 6m

Note: Connection of 6 conductor wires are as above. For 4 conductor wires the yellow and blue sense wires are removed.

# BM14A



- BM14A load cells are available in the capacities 10t~100t, 10Klb~500Klb.
- Stainless steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- Column structure, good self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices.

### Features

- Capacity 10t~100t; 10Klb~500Klb
- High accuracy
- Four-column construction
- Stainless steel construction
- Easy installation and reliable performance
- PTB Approval No: D09-07.01

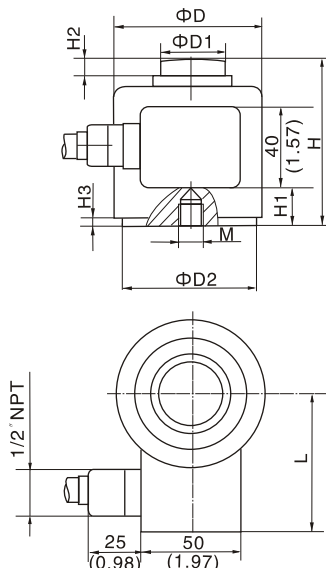
### Accessories

- BY-14-101

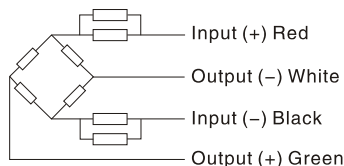
### Specifications

Capacity	t	10/25/40/60/100			
		Klb			
		10/25/50/100/200/300/500			
		C2	C3	A5S	A5M
Accuracy					
Approvals			OIML R60 C3		
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.002			
Input resistance	(Ω)	450±4.5			
Output resistance	(Ω)	480±4.8			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



Capacity	10t,25t	40t,60t	100t	25K,50K	100K	200K,300K	500K
Dimension							
ΦD	73 (2.87)	105 (4.13)	151.4 (6.0)	73 (2.87)	105 (4.13)	151.4 (6.0)	162.6 (6.4)
ΦD1	31.8 (1.25)	58.7 (2.31)	79.4 (3.13)	31.8 (1.25)	58.7 (2.31)	79.4 (3.13)	93.7 (3.69)
ΦD2	58 (2.28)	82.5 (3.25)	123.8 (4.87)	58 (2.28)	82.5 (3.25)	123.8 (4.87)	136.3 (5.37)
H	82.5 (3.25)	127 (5.0)	184.2 (7.25)	82.5 (3.25)	127 (5.0)	184.2 (7.25)	228.6 (9.0)
H1	38.23 (1.5)	65.07 (2.56)	87.35 (3.44)	38.23 (1.5)	65.07 (2.56)	87.35 (3.44)	101.5 (4.0)
H2	7.75 (0.31)	9.4 (0.37)	23.15 (0.91)	7.75 (0.31)	9.4 (0.37)	23.15 (0.91)	10.85 (0.43)
H3	2.6 (0.10)	4 (0.16)	3.7 (0.15)	2.6 (0.10)	4 (0.16)	3.7 (0.15)	3.7 (0.15)
L	64 (2.52)	87 (3.43)	108.2 (4.26)	64 (2.52)	87 (3.43)	108.2 (4.26)	121.9 (4.8)
M	M12×1.75	M20×2.5	M20×2.5	1/2-20UNF	3/4-16UNF	3/4-16UNF	3/4-20UNF



### Wiring:

Adopt shielded, 4 conductor cable:  $\phi$ 7.5mm  
Standard cable length:  
10t : 10m;  
25t ~ 100t : 20m;  
10Klb ~ 500Klb: 9m



# BM14C



- BM14C load cells are available in the capacities 0.5t~50t.
- Stainless steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- Column structure, anti-reversal design, good self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity 0.5t~50t
- High accuracy
- Stainless steel construction
- Easy installation and reliable performance
- PTB Approval No: D09-07.03 Revision 1

### Accessories

- BM-14-407 • HM-14-401
- BM-14-408 • HM-14-403
- BM-14-414 • HM-14-416

### Specifications

Capacity	t	0.5/1/2/3/5/10/20/25/30/40/50				
		C2	C3	C4	A5S	A5M
Accuracy			OIML R60 C3	OIML R60 C4		
Approvals						
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /14000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.002				
Input resistance	(Ω)	700±7				
Output resistance	(Ω)	703±4				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

### Outline Dimension mm(inch)

Side View Dimensions:  
 Total height: 118.5 (4.67)  
 Top section height: 31.5 (1.24)  
 Middle section height: 14 (0.55)  
 Bottom section height: 11 (0.43)  
 Diameter of top section: ΦD  
 Diameter of main body: Φ88.9 (Φ3.5)

Top View (A View) Dimensions:  
 Outer diameter: Φ50 (1.97)  
 Inner diameter: L  
 Radius: R5  
 Width of base: 70 (2.75)

Capacity Dimension	0.5t ~ 30t	40t, 50t
ΦD	40(1.57)	50(1.97)
L	22(0.87)	28(1.06)

**Wiring:**  
 Adopt shielded, 4 conductor cable: Φ5mm  
 Standard cable length: 15m

# HM14C



- HM14C load cells are available in the capacities 10t~50t.
- Alloy steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- Column structure, anti-reversal design, good self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices.

### Features

- Capacity 10t~50t
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance

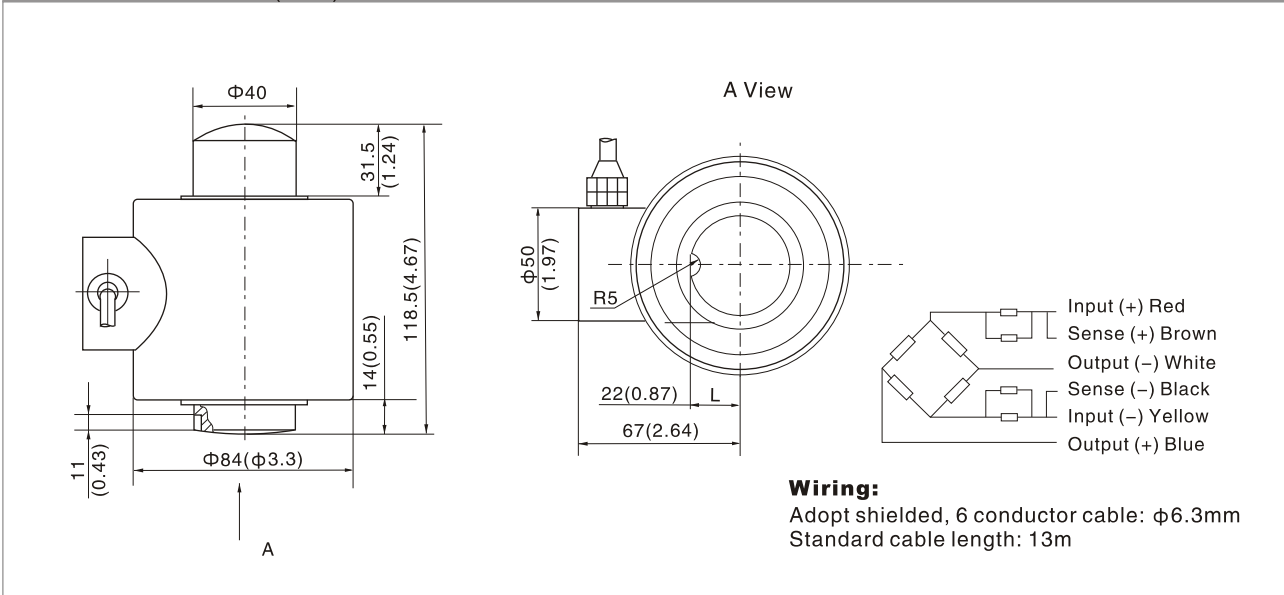
### Accessories

- HM-14-401 • BM-14-407
- HM-14-403 • BM-14-408

### Specifications

Capacity	t	10/20/25/30/50			
		C2	C3	A5S	A5M
Accuracy					
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.004			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



# BM14D



- BM14D load cells are available in the capacities 10t~100t.
- Stainless steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- Column structure, anti-reversal design, good self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices and force measuring fields.

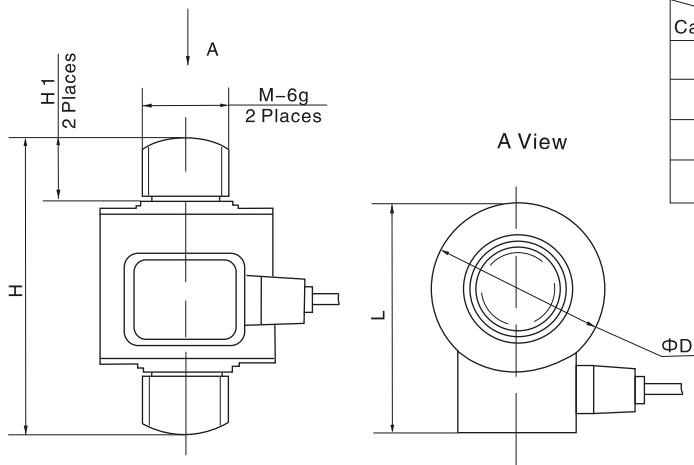
### Features

- Capacity 10t~100t
- High accuracy
- Stainless steel construction
- Easy installation and reliable performance

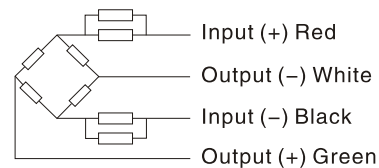


Specifications					
Capacity	t	10/20/25/30/40/50/100			
Accuracy		C2	C3	A5S	A5M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	1.5±0.003			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)



Dimension Capacity	H	H1	ΦD	L	M
10t~20t	180 (7.08)	69.3 (2.73)	73 (2.87)	99.7 (3.92)	M36×3
25t~30t	200 (7.87)	70 (2.75)	88.9 (3.5)	115.6 (4.55)	M42×3
40t~60t	250 (9.84)	99.3 (3.91)	105 (4.13)	138.3 (5.44)	M56×4
100t	350 (13.7)	131.9 (5.19)	152.4 (4.93)	183.9 (7.14)	M76×4



### Wiring:

Adopt shielded, 6 conductor cable: φ5mm  
Standard cable length: 20m

# BM14G



- BM14G load cells are available in the capacities 10t~50t.
- Stainless steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- Column structure, anti-reversal design, good self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices.

### Features

- Capacity 10t~50t
- High accuracy
- Stainless steel construction
- Easy installation and reliable performance
- PTB Approval No: D09-05.21 Revision 1

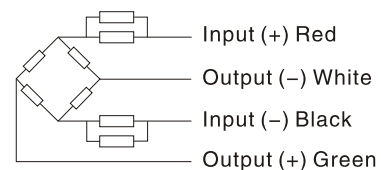
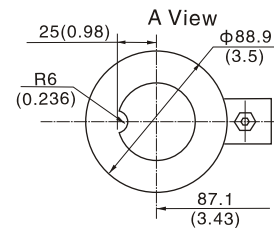
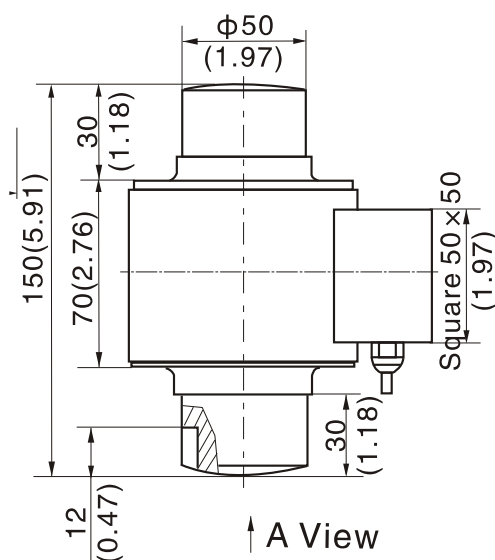
### Accessories

- BY-14-105 • BY-14-106
- BY-14-108

Specifications						
Capacity	t	10/20/30/40/50				
Accuracy		C2	C3	C4	A5S	A5M
Approvals			OIML R60 C3			
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /14000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.02				
Input resistance	(Ω)	700±7				
Output resistance	(Ω)	703±4				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

### Outline Dimension mm(inch)

BM14G-XX-XX-XB-W1



### Wiring:

Adopt shielded, 4 conductor cable: φ5mm  
Standard cable length: 15m

# HM14H



- HM14H load cells are available in the capacities 10t~60t.
- Alloy steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- Column structure, anti-reversal design, good self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices.

### Features

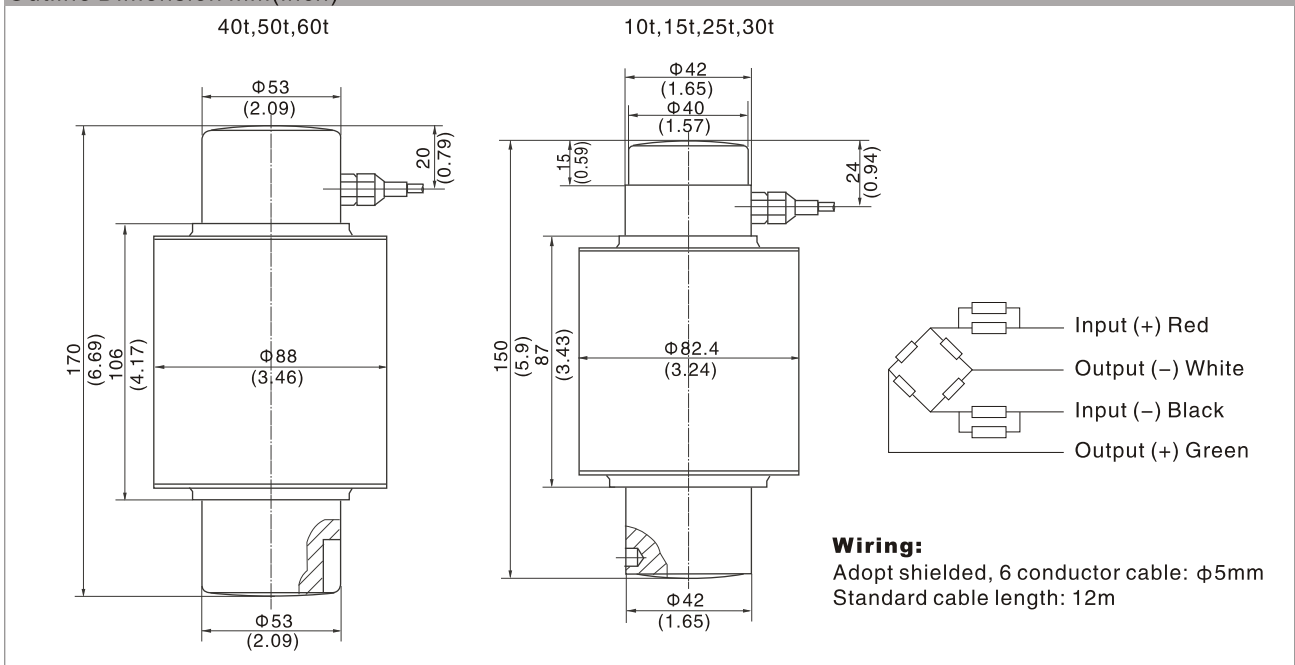
- Capacity 10t~60t
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance

### Accessories

- HM-14-409 • BM-14-410

Specifications					
Capacity	t	10/15/20/25/30/40/50/60			
Accuracy		C2	C3	A5S	A5M
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.002			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	-10~+40			
Temperature, operating	(°C)	-35~+70			
Excitation, recommended	(V)	5~12(DC)			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

### Outline Dimension mm(inch)





# BM14K



- BM14K load cells are available in the capacities 10t ~ 100t.
- Stainless steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- Column structure, anti-reversal design, good self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices.

### Features

- Capacity 10t ~ 100t
- High accuracy
- Stainless steel construction
- Easy installation and reliable performance
- PTB Approval No: D09-07.02

### Accessories

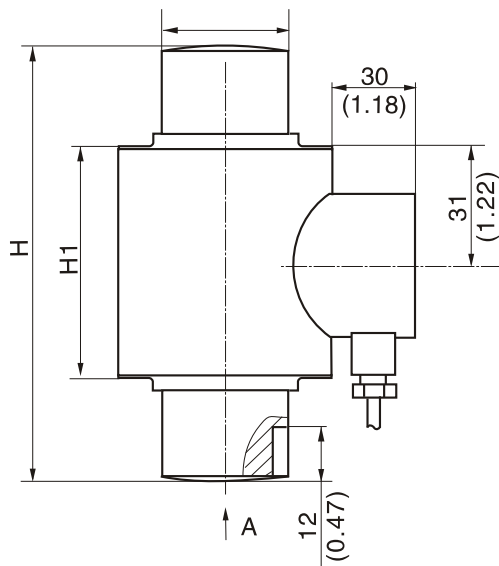
- BY-14-102 • BY-14-109

### Specifications

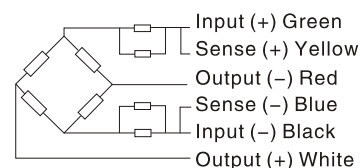
Capacity	t	10/15/20/30/40/50/60/100				
		C2	C3	C4	A5S	A5M
Accuracy						
Approvals			OIML R60 C3			
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	5000	5000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /14000	E <sub>max</sub> /15000	E <sub>max</sub> /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.02				
Input resistance	(Ω)	700±7				
Output resistance	(Ω)	703±4				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-35~+70				
Excitation, recommended	(V)	5~12(DC)				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

### Outline Dimension mm(inch)

BM14K-XX-XX-XB-W1



Dimension Capacity	H	H1	H2	H3	ΦD	ΦD1
10t,15t	130 (5.12)	80 (3.15)	12 (0.47)	3 (0.12)	44 (1.73)	74 (2.91)
20t~40t	150 (5.91)	92 (3.62)	19 (0.75)	5 (0.2)	44 (1.73)	74 (2.91)
50t,60t	210 (8.27)	92 (3.62)	19 (0.75)	5 (0.2)	44 (1.73)	74 (2.91)
100t	260 (10.24)	121 (4.76)	19 (0.75)	5 (0.2)	64 (2.52)	93 (3.66)



### Wiring:

Adopt shielded, 6 conductor cable: φ5.0mm  
Standard cable length:  
10t ~ 30t : 12m;  
40t ~ 100t : 20m

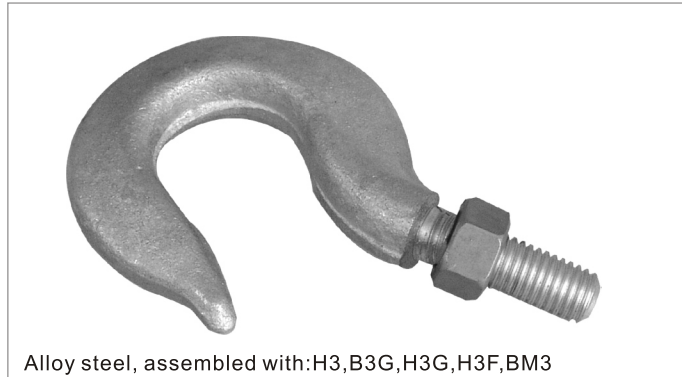
## Accessory

### HL-3-001

Capacity	Part number
25kg-50kg	HL-3-001-25/50kg
100kg-150kg	HL-3-001-100/150kg
200kg-300kg	HL-3-001-200/300kg
500kg-750kg	HL-3-001-500/750kg
1t-1.5t	HL-3-001-1/1.5t
2t-3t	HL-3-001-2/3t
5t	HL-3-001-5t

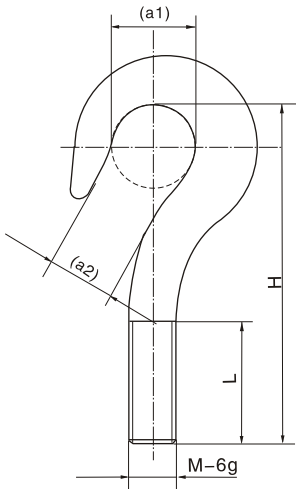
**Features:**

Matched with S type load cells, suitable for hybrid scales, crane scales, packaging scales and hopper scales.



Alloy steel, assembled with: H3, B3G, H3G, H3F, BM3

Outline Dimension mm(inch)



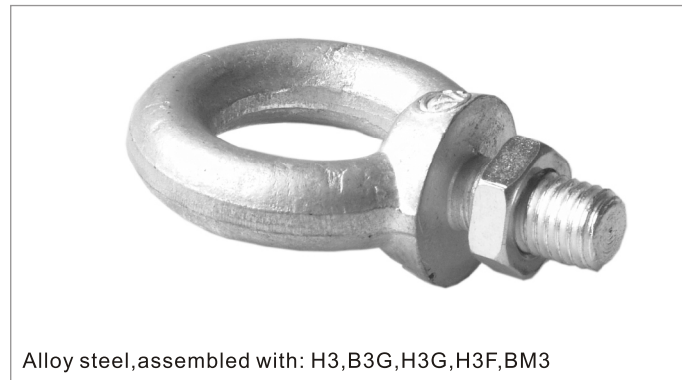
Capacity	a1	a2	H	M x L	Hook type	Lifting weight
25kg-50kg	25(0.98)	20(0.79)	97.5(3.84)	M8 x 24	Straight handle with single hook LM-006-T	0.25t
100kg-150kg	25(0.98)	20(0.79)	97.5(3.84)	M10 x 26	Straight handle with single hook LM-006-T	0.25t
200kg-300kg	28(0.98)	22(0.87)	106(4.17)	M12 x 28	Straight handle with single hook LM-010-T	0.4t
500kg-750kg	34(1.34)	27(1.06)	135.5(5.33)	M12 x 28	Straight handle with single hook LM-020-T	0.8t
1t	40(1.57)	32(1.26)	152.5(6.0)	M12 x 28	Straight handle with single hook LM-04-T	1.6t
1.5t	40(1.57)	32(1.26)	152.5(6.0)	M12 x 28	Straight handle with single hook LM-04-T	1.6t
2t-3t	48(1.89)	38(1.5)	183(7.2)	M20 x 1.5 x 35	Straight handle with single hook LM-08-T	3.2t
5t	56(2.2)	45(1.77)	221(8.7)	M20 x 1.5 x 35	Straight handle with single hook LM-1.6-T	6.3t

### HL-3-002

Capacity	Part number
25kg-50kg	HL-3-002-25/50kg
100kg-150kg	HL-3-002-100/150kg
200kg-300kg	HL-3-002-200/300kg
500kg-750kg	HL-3-002-500/750kg
1t-1.5t	HL-3-002-1/1.5t
2t-3t	HL-3-002-2/3t
5t	HL-3-002-5t

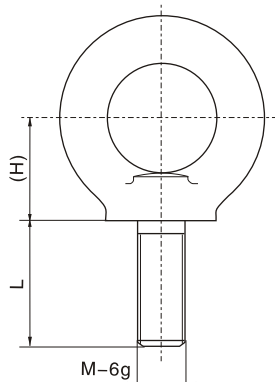
**Features:**

Matched with S type load cells, suitable for hybrid scales, crane scales, packaging scales and hopper scales.



Alloy steel, assembled with: H3, B3G, H3G, H3F, BM3

Outline Dimension mm(inch)



Capacity	H	M x L	Hook type	Lifting weight
25kg-50kg	18(0.71)	M8 x 24	Screw GB/T825-88 M8	0.16t
100kg-150kg	22(0.87)	M10 x 26	Screw GB/T825-88 M10	0.25t
200kg-300kg	26(1.02)	M12 x 22	Screw GB/T825-88 M12	0.4t
500kg-750kg	31(1.22)	M12 x 22	Screw GB/T825-88 M16	1.0t
1t	36(1.42)	M12 x 22	Screw GB/T825-88 M20	1.6t
1.5t	36(1.42)	M12 x 22	Screw GB/T825-88 M20	1.6t
2t-3t	53(2.09)	M20 x 1.5 x 35	Screw GB/T825-88 M30	4.0t
5t	63(2.48)	M20 x 1.5 x 35	Screw GB/T825-88 M36	6.3t

## Accessory

### HL-3-003

Capacity	Part number
25kg-50kg	HL-3-003-25/50kg
100kg-150kg	HL-3-003-100/150kg
200kg-1000kg	HL-3-003-200/1000kg
1.5t	HL-3-003-1.5t
2t-3t	HL-3-003-2/3t
5t	HL-3-003-5t

#### Features:

Matched with S type load cells, suitable for hybrid scales, crane scales, packaging scales, hopper scales, and other electronic weighing devices.



Alloy steel, assembled with: H3, B3G, H3G, H3F, BM3

#### Outline Dimension mm(inch)

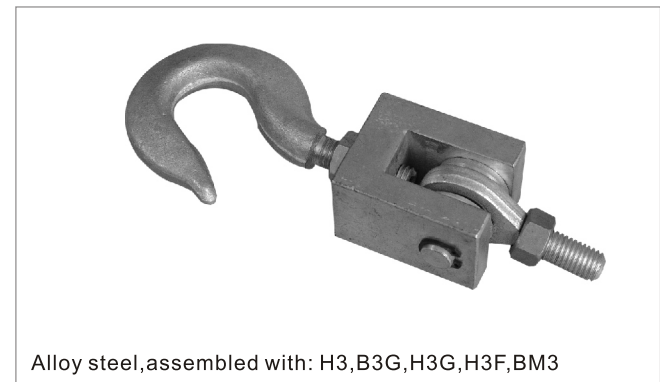
Capacity	H	M×L	Shaft joint bearing	Lifting weight
25kg-50kg	42(1.65)	M8×24	Bearing GB/T9161-2001 SA 8E	0.55t
100kg-150kg	48(1.89)	M10×26	Bearing GB/T9161-2001 SA 10E	0.81t
200kg-300kg	54(2.13)	M12×28	Bearing GB/T9161-2001 SA 12E	1.08t
500kg-750kg	54(2.13)	M12×28	Bearing GB/T9161-2001 SA 12E	1.08t
1t	54(2.13)	M12×28	Bearing GB/T9161-2001 SA 12E	1.08t
1.5t	63(2.48)	M12×28	Bearing GB/T9161-2001 SA 20E	3.0t
2t-3t	78(3.07)	M20×1.5×43	Bearing GB/T9161-2001 SA 20E	3.0t
5t	89(3.5)	M20×1.5×43	Bearing GB/T9161-2001 SA30ES	6.0t

### HL-3-004

Capacity	Part number
25kg-50kg	HL-3-004-25/50kg
100kg-150kg	HL-3-004-100/150kg
200kg-300kg	HL-3-004-200/300kg
500kg-750kg	HL-3-004-500/750kg
1t-1.5t	HL-3-004-1/1.5t
2t-3t	HL-3-004-2/3t
5t	HL-3-004-5t

#### Features:

Matched with S type load cells, suitable for hybrid scales, crane scales, packaging scales, hopper scales, and other electronic weighing devices.



Alloy steel, assembled with: H3, B3G, H3G, H3F, BM3

#### Outline Dimension mm(inch)

Capacity	Dimension							Lifting weight
	a1	a2	L	L1	L2	M		
25kg-50kg	25(0.98)	20(0.79)	77(3.03)	21(0.83)	77.5(3.05)	M8	0.25t	
100kg-150kg	25(0.98)	20(0.79)	83(3.27)	26(1.02)	80.5(3.17)	M10	0.25t	
200kg-300kg	28(1.10)	22(0.87)	89(3.50)	28(1.10)	91(3.58)	M12	0.4t	
500kg-750kg	34(1.34)	27(1.06)	89(3.50)	28(1.10)	120.5(4.74)	M12	0.8t	
1t	40(1.57)	32(1.26)	89(3.50)	28(1.10)	137.5(5.41)	M12	1.08t	
1.5t	40(1.57)	32(1.26)	118(4.65)	28(1.10)	130.5(5.14)	M12	1.6t	
2t-3t	48(1.89)	38(1.5)	133(5.24)	43(1.69)	158(6.22)	M20×1.5	3.0t	
5t	56(2.20)	45(1.77)	149(5.87)	43(1.69)	201(7.91)	M20×1.5	6.0t	

Accessory

# HL-3-005

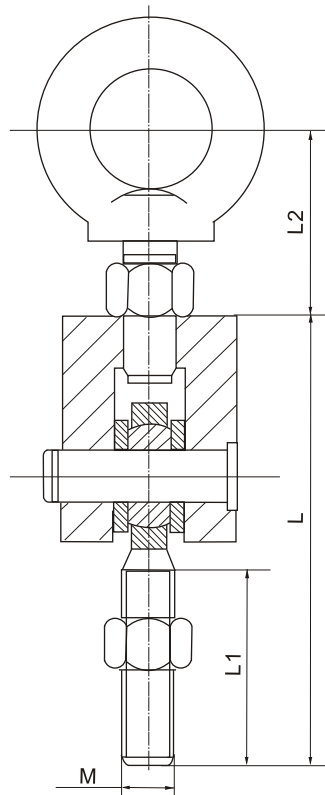
Capacity	Part number
25kg-50kg	HL-3-005-25/50kg
100kg-150kg	HL-3-005-100/150kg
200kg-1000kg	HL-3-005-200/1000kg
1.5t	HL-3-005-1.5t
2t-3t	HL-3-005-2/3t
5t	HL-3-005-5t

**Features:**  
Matched with S type load cells, suitable for hybrid scales, crane scales, packaging scales, hopper scales, and other electronic weighing devices.



Alloy steel, assembled with: H3, B3G, H3G, H3F, BM3.

Outline Dimension mm(inch)



Capacity	Dimension	L	L1	L2	M	Lifting weight
25kg-50kg		77(3.03)	21(0.83)	22(0.87)	M8	0.16t
100kg-150kg		83(3.27)	26(1.02)	27(1.06)	M10	0.25t
200kg-300kg		89(3.50)	28(1.10)	33(1.3)	M12	0.4t
500kg-750kg		89(3.50)	28(1.10)	38(1.5)	M12	1.0t
1t		89(3.50)	28(1.10)	43(1.7)	M12	1.08t
1.5t		118(4.65)	28(1.10)	42(1.65)	M12	1.6t
2t-3t		133(5.24)	43(1.69)	63(2.48)	M20 × 1.5	3.0t
5t		149(5.87)	43(1.69)	78(3.07)	M20 × 1.5	6.0t

## Accessory

### HJ-8-201

Capacity	Part number
0.5-2t	HJ-8-201-0.5/2t
(0.5-2t)-M1	HJ-8-201-0.5/2t-M1
2.5-5t	HJ-8-201-2.5/5t
250lb-4KSE	HJ-8-201-250lb/4KSE
5Klb-10Klb	HJ-8-201-5/10K

**Features:**

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.



#### Outline Dimension mm(inch)

Dimension Capacity	ΦD	H	H1	M
0.5t-2t	60 (2.36)	92 (3.62)	50 (1.97)	M12 × 1.75
250lb-4Klb				1/2-20UNF
2.5t-5t	80 (3.15)	105 (4.13)	50 (1.97)	M18 × 1.5 (Only for H8C) M20 × 2.5 (Only for B8D)
5K-10Klb				3/4-16UNF
10t	86 (3.39)	112 (4.41)	50 (1.97)	M24 × 2
(0.5t-2t)-M1	60 (2.36)	92 (3.62)	50 (1.97)	M16 × 1.5

### BJ-8-202

Capacity	Part number
0.5-2t	BJ-8-202-0.5/2t
2.5-5t	BJ-8-202-2.5/5t
250lb-4KSE	BJ-8-202-250lb/4KSE
5K-10Klb	BJ-8-202-5/10K
10t	BJ-8-202-10t

**Features:**

Easy installation, adjustable height, anti-corrosion, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices under hazardous environments.



#### Outline Dimension mm(inch)

Dimension Capacity	ΦD	H	H1	M
0.5t-2t	60 (2.36)	90 (3.54)	50 (1.97)	M12 × 1.75
250lb-4Klb				1/2-20UNF
2.5t-5t	80 (3.15)	105 (4.13)	50 (1.97)	M20 × 2.5 (Only for B8D)
5K-10Klb				3/4-16UNF

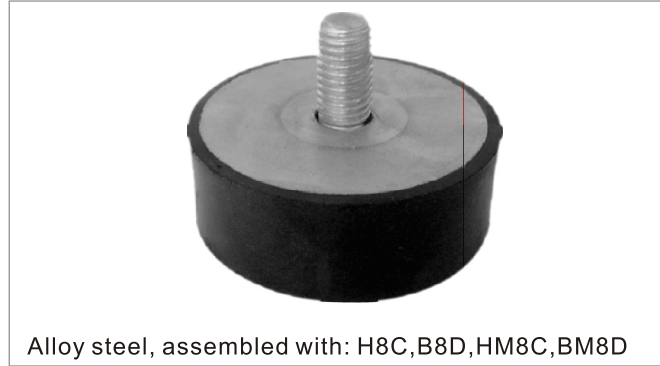


Accessory

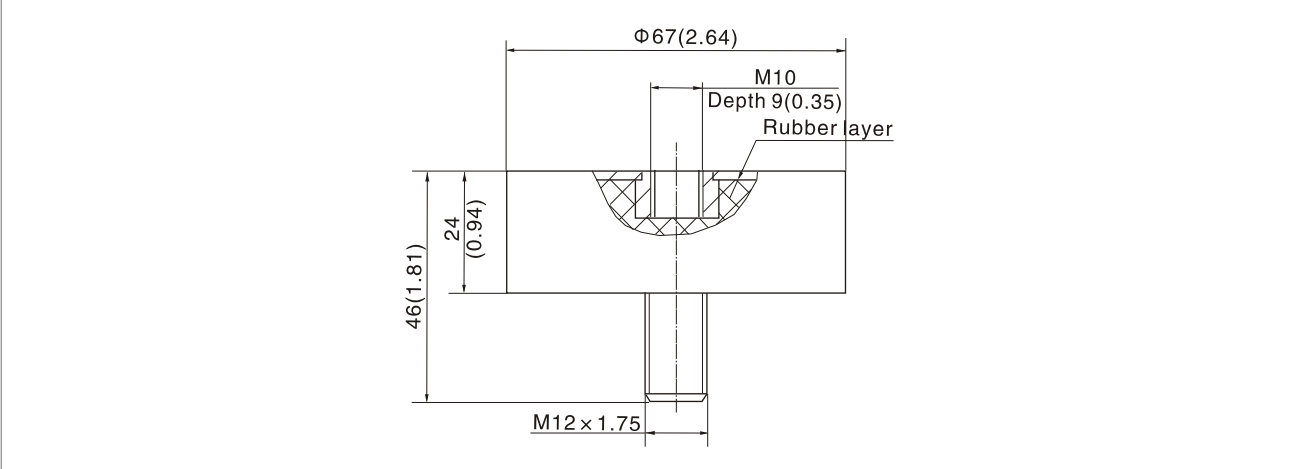
# HJ-8-203

**Capacity**      **Part number**  
0.5-2t            HJ-8-203-0.5/2t

**Features:**  
Alloy steel with rubber inside, slightly adjustable of the slant, easy installation.  
Mainly used for platform scales, packaging scales, hybrid scales and other electronic weighing devices.



Outline Dimension mm(inch)



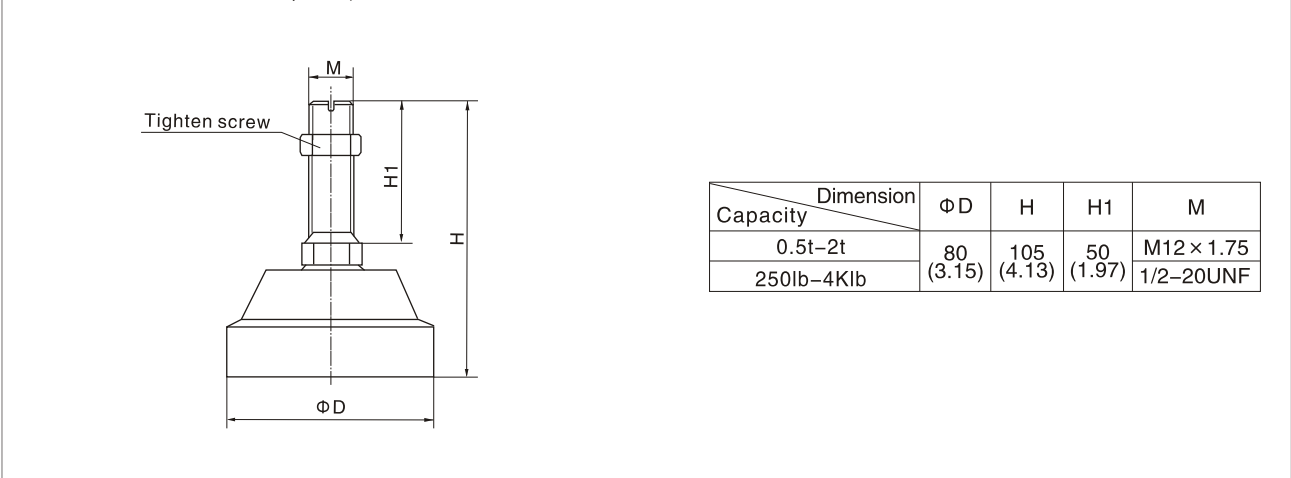
# BJ-8-205

**Capacity**      **Part number**  
0.5-2t            BJ-8-205-0.5/2t  
250lb-4KSE      BJ-8-205-250lb/4KSE

**Feature:**  
Easy installation, adjustable height, anti-corrosion, automatically centralized inside, good ability of anti-side loading.  
Mainly used for platform scales, floor scales and other electronic weighing devices under hazardous environments.



Outline Dimension mm(inch)



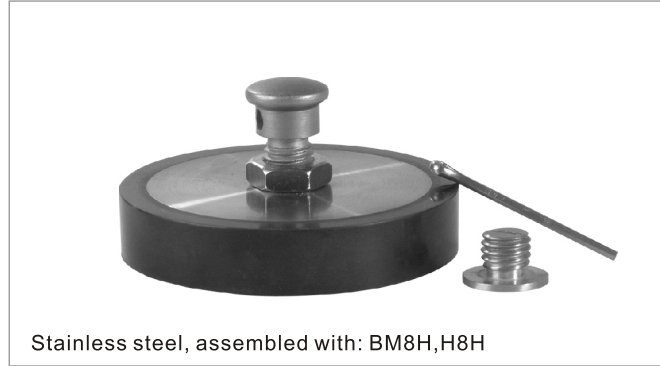
## Accessory

### BJ-8-206

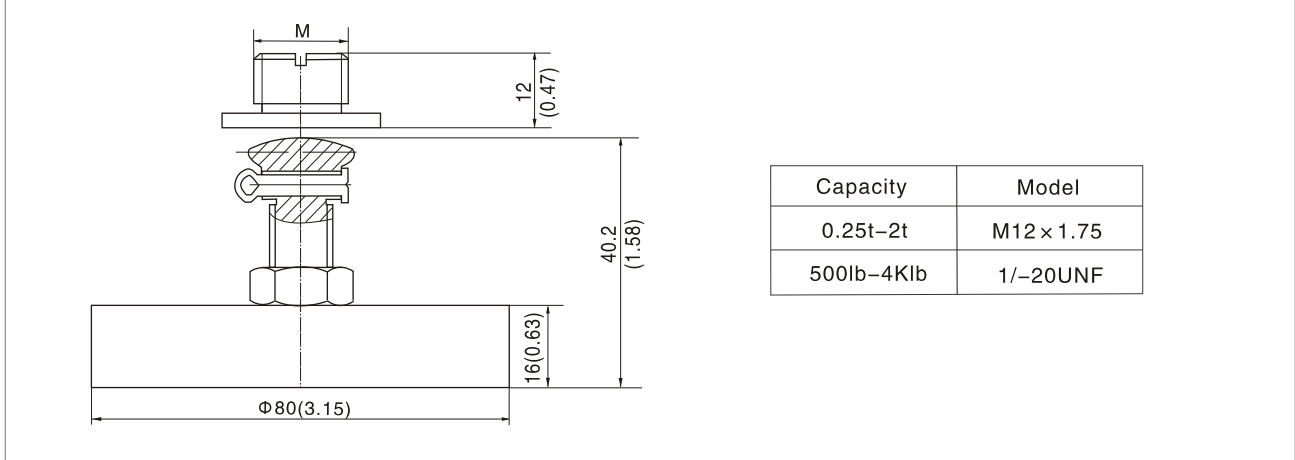
Capacity	Part number
0.25t-2t	BJ-8-206-0.25/2t
500lb-4K	BJ-8-206-500lb/4K

**Features:**

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.



**Outline Dimension mm(inch)**

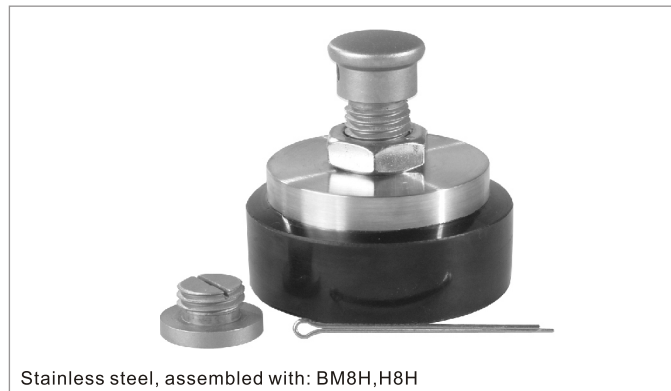


### BJ-8-207

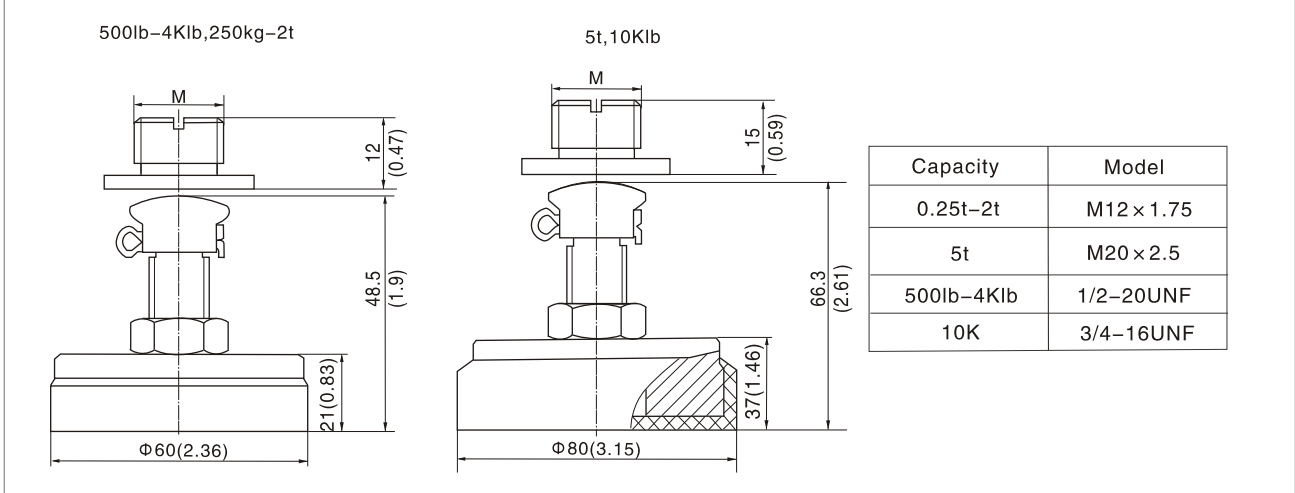
Capacity	Part number
0.25t-2t	BJ-8-207-0.25/2t
5t	BJ-8-207-5t
500lb-4Klb	BJ-8-207-500lb/4K
10K	BJ-8-207-10K

**Features:**

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.



**Outline Dimension mm(inch)**



## Accessory

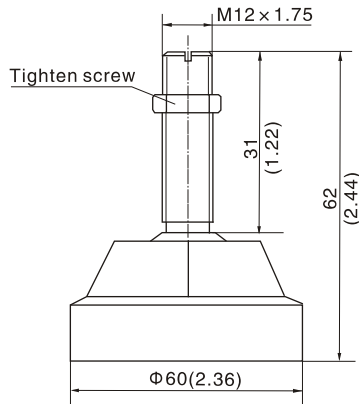
# HJ-8-213

**Capacity** 0.5-2t  
**Part number** HJ-8-213-0.5/2t

**Features:**  
Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.



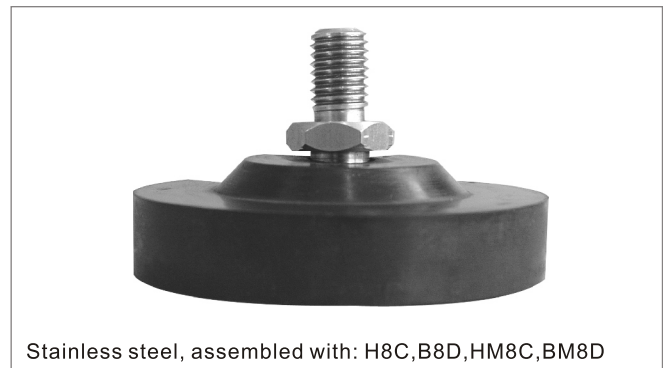
### Outline Dimension mm(inch)



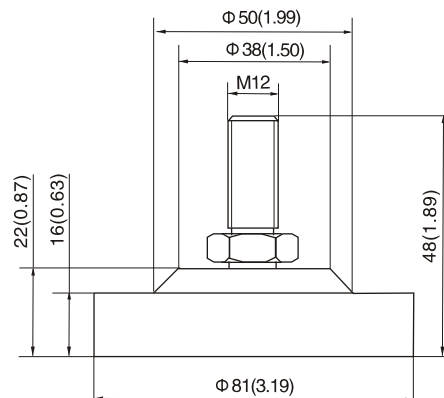
# BJ-8-215

**Capacity** 0.5t-2t  
**Part number** BJ-8-215-0.5/2t

**Features:**  
Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.



### Outline Dimension mm(inch)



## Accessory

### HJ-8-216

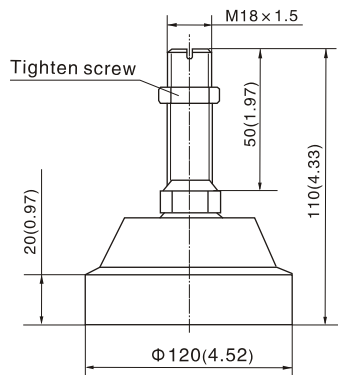
**Capacity** 2.5t-5t  
**Part number** HJ-8-216-2.5/5t

**Features:**  
Easy installation, automatically centralized inside, good ability of anti-side loading.  
Mainly used for platform scales, floor scales and other electronic weighing devices.



Alloy steel, assembled with: H8C,B8D

#### Outline Dimension mm(inch)



### HJ-8-217

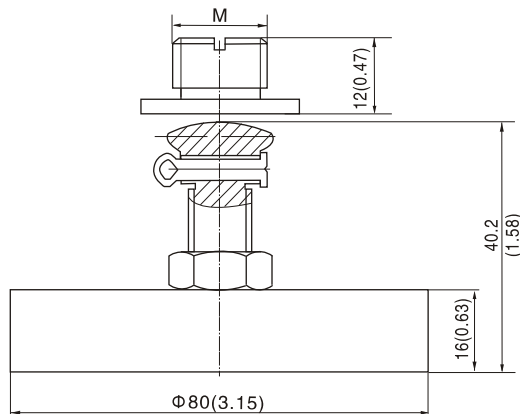
**Capacity** 0.5t-2t  
500lb-4Klb  
**Part number** HJ-8-217-0.5/2t  
HJ-8-217-500lb/4K

**Features:**  
Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading.  
Mainly used for platform scales, floor scales and other electronic weighing devices.



Alloy steel, rubber supporting subassembly , assembled with: BM8H,H8H

#### Outline Dimension mm(inch)



Capacity	M
0.25-2t	M12×1.75
500lb-4K	1/2-20UNF

## Accessory

### HJ-8-218

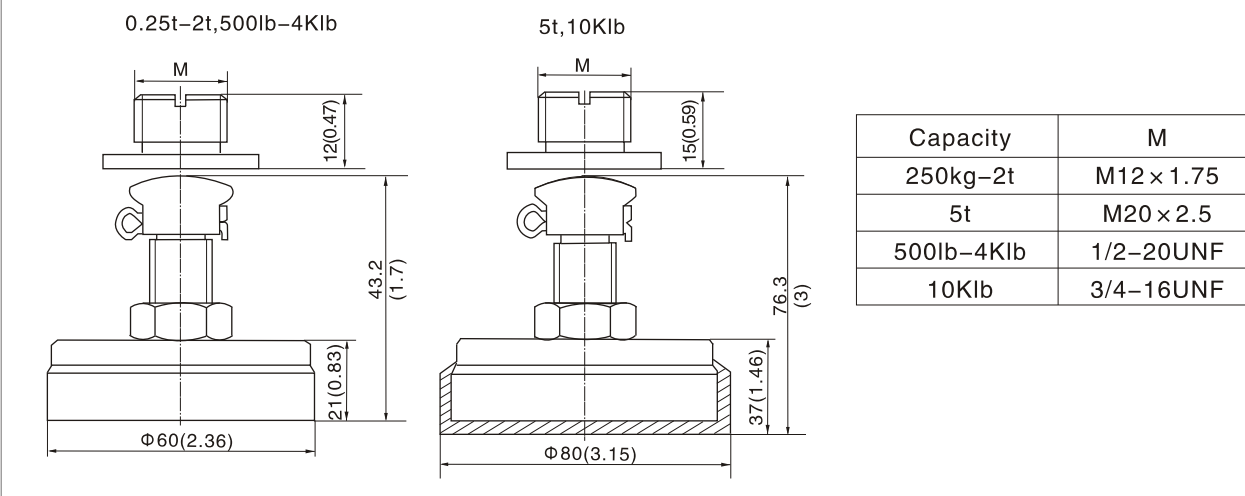
Capacity	Part number
0.25t-2t	HJ-8-218-0.25/2t
5t	HJ-8-218-5t
500lb-4Klb	HJ-8-218-500lb/4K
10Klb	HJ-8-218-10K

**Features:**

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.



Outline Dimension mm(inch)

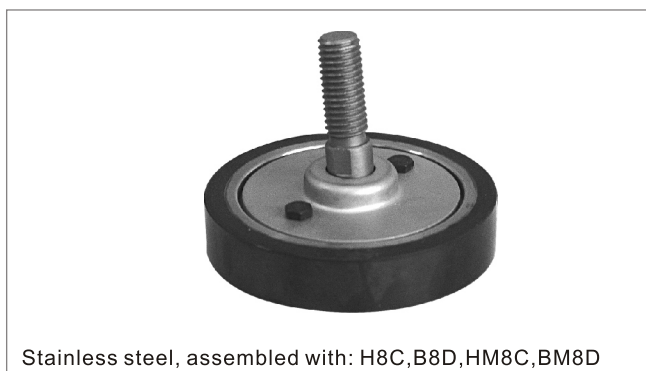


### BJ-8-219

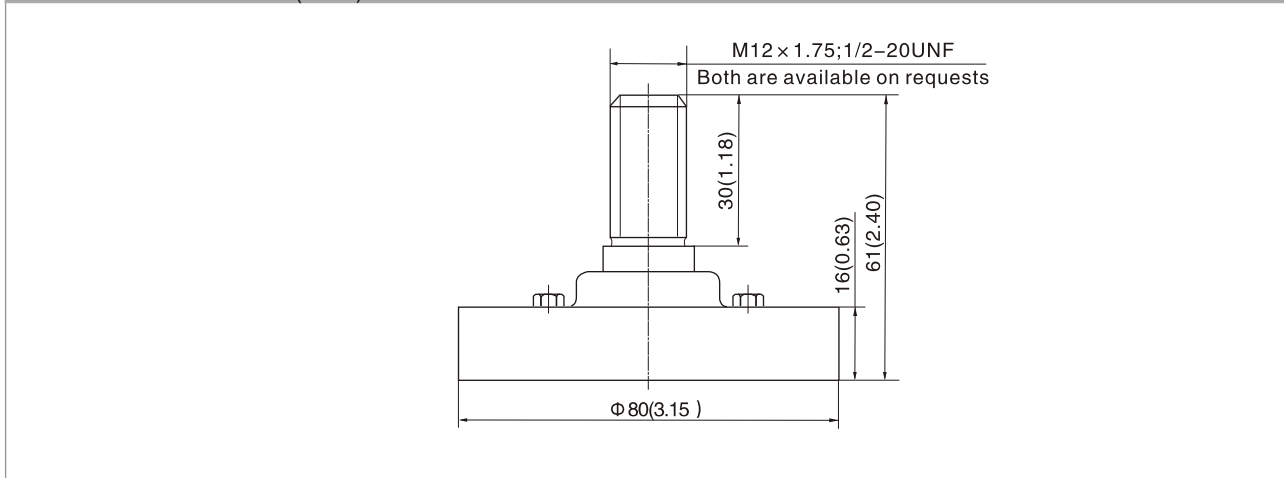
Capacity	Part number
0.5t-2t	BJ-8-219-0.5/2t
1Klb-4Klb	BJ-8-219-1/4K

**Features:**

Easy installation, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.



Outline Dimension mm(inch)





## Accessory

### BJ-8-220

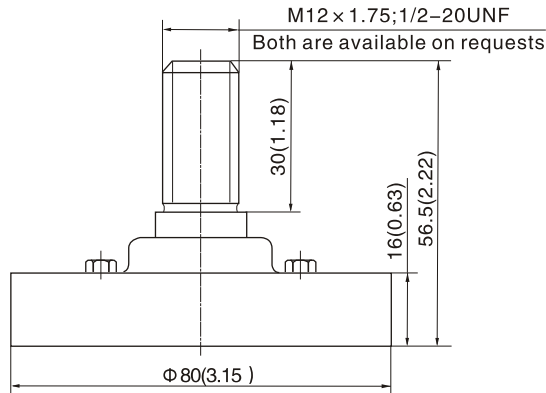
Capacity	Part number
0.5t-2t	BJ-8-220-0.5/2t
1Klb-4Klb	BJ-8-220-1/4K

**Features:**

Easy installation, automatically centralized inside, good ability of anti-side loading.  
Mainly used for platform scales, floor scales and other electronic weighing devices.



Outline Dimension mm(inch)



### HD-8-301

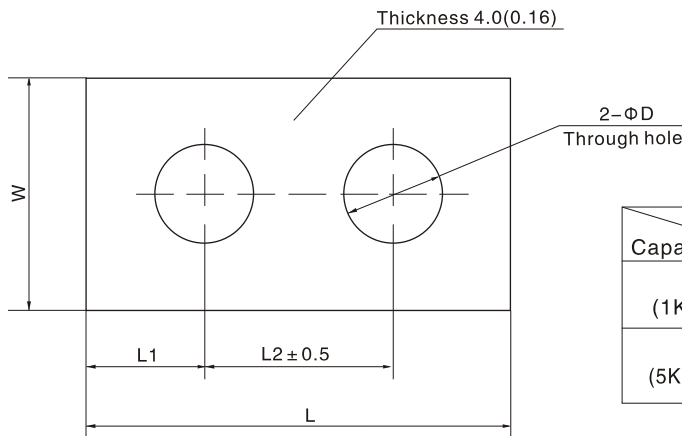
Capacity	Part number
0.5t-2t	HD-8-301-0.5/2t
2.5t-5t	HD-8-301-2.5/5t
1Klb-4Klb	HD-8-301-1/4K
5Klb-10Klb	HD-8-301-5/10K

**Features:**

Mainly used for platform scales, floor scales and other electronic weighing devices.



Outline Dimension mm(inch)



Dimension Capacity	L	L1	L2	W	D
0.5t-2t (1Klb-4Klb)	54 (2.13)	13 (0.51)	25.4 (1.0)	32 (1.26)	14 (0.55)
2.5t-5t (5Klb-10Klb)	76 (2.99)	19 (0.75)	38 (1.50)	38 (1.50)	20 (0.79)

## Accessory

### HY-8-101

Capacity	Model
0.5t-3t	HY-8-101-0.5/3t
5t	HY-8-101-5t
10t-15t	HY-8-101-10/5t
20t-25t	HY-8-101-10/25t
30t	HY-8-101-30t
50t	HY-8-101-50t

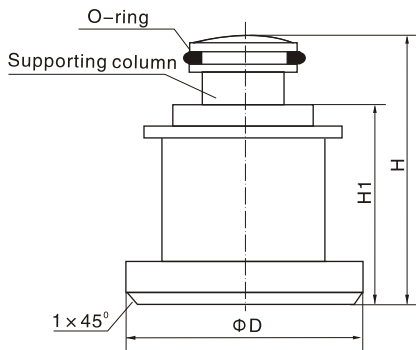
#### Features:

Easy installation, anti-corrosion, non-downable structure, good self-aligning ability.  
Mainly used for truck scales, platform scales and other electronic weighing devices.



Alloy steel, assembled with: H8, HM8

#### Outline Dimension mm(inch)



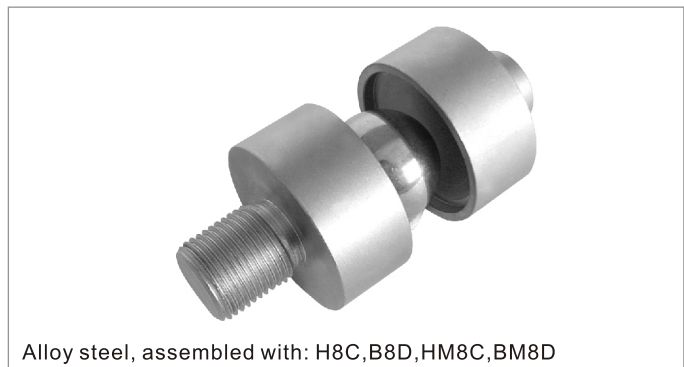
Dimension Capacity	ΦD	H	H1
0.5t-3t	35(1.38)	44.9(1.77)	24.9(0.98)
5t	42(1.65)	56.7(2.23)	34.7(1.37)
10t-15t	57(2.24)	80.7(3.18)	66.7(2.63)
20t-25t	70(2.76)	85(3.35)	67(2.64)
30t	70(2.76)	91(3.58)	70(2.76)
50t	85(3.35)	102(4.04)	82(3.23)

### HY-8-102

Capacity	Part number
0.5t-2t	HY-8-102-0.5/2t
2.5t-5t	HY-8-102-2.5/5t
1K-4KSE	BY-8-104-1/4KSE
5K-10K	BY-8-104-5/10K

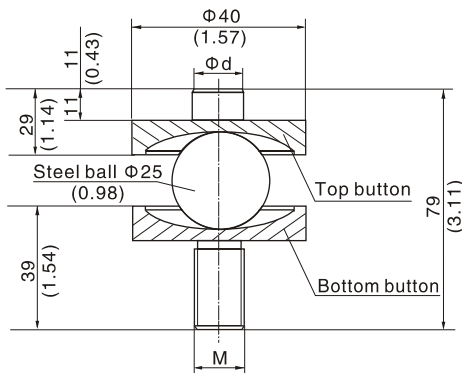
#### Features:

Easy installation, automatically centralized with steel ball, good self-aligning ability.  
Mainly used for platform scales and other electronic weighing devices.



Alloy steel, assembled with: H8C, B8D, HM8C, BM8D

#### Outline Dimension mm(inch)



Dimension Capacity	Φd	M
0.5t-2t 1K-4KSE	12 (0.47)	M12 × 1.75
2.5t-5t 5K-10K	18 (0.71)	M18 × 1.5

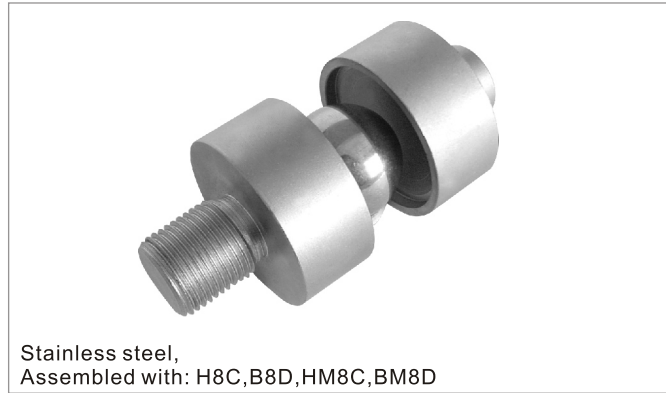
## Accessory

### BY-8-104

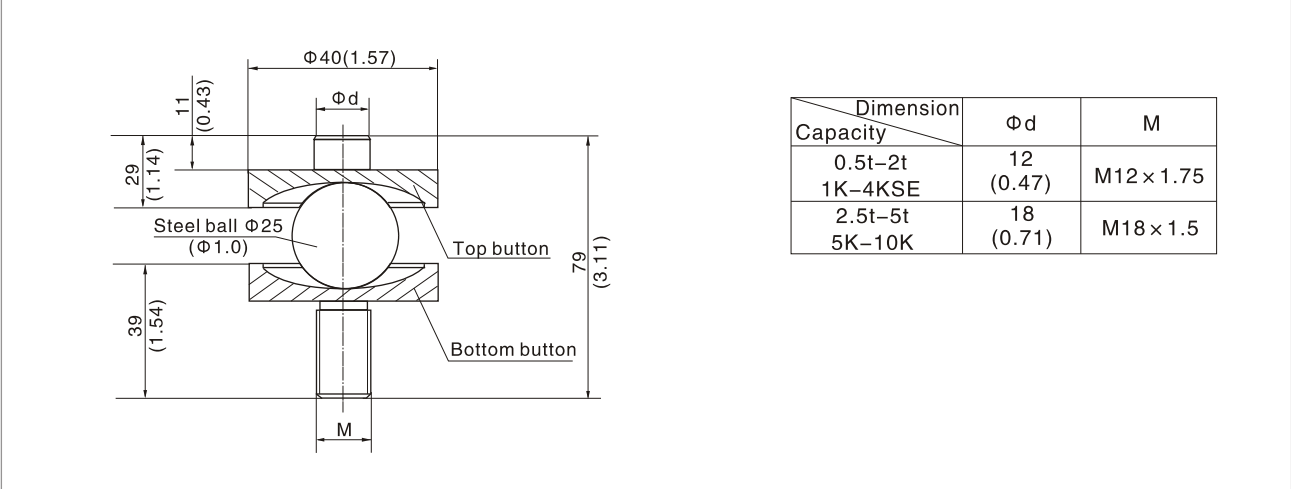
Capacity	Part number
0.5t-2t	BY-8-104-0.5/2t
2.5t-5t	BY-8-104-2.5/5t
1K-4KSE	BY-8-104-1/4KSE
5K-10K	BY-8-104-5/10K

**Features:**

Easy installation, good self-aligning ability, automatically centralized with steel ball.  
Stainless steel construction, anti-corrosion, can be used under hazardous environments.  
Mainly used for platform scales and other electronic weighing devices.



Outline Dimension mm(inch)



### HY-8-105

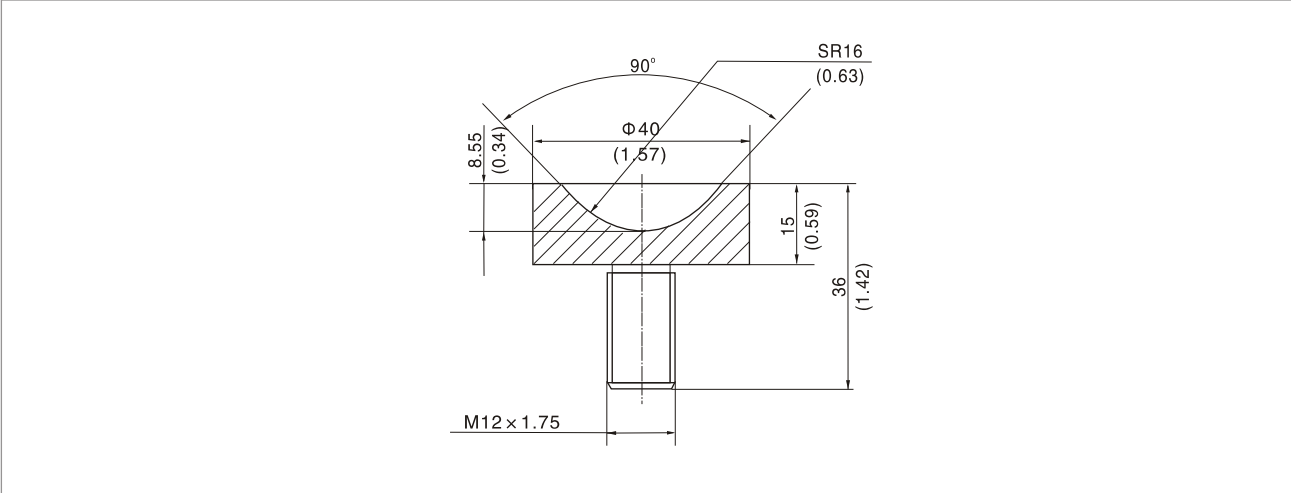
Capacity	Part number
0.5t-2t	HY-8-105-0.5/2t

**Features:**

Easy installation, good self-aligning ability.  
Mainly used for platform scales and other electronic weighing devices.



Outline Dimension mm(inch)



## Accessory

### BY-8-106

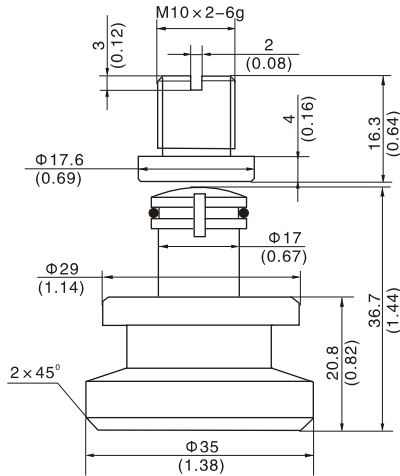
**Capacity**      **Part number**  
0.5t-2t            BY-8-106-0.5/2t

**Features:**

Easy installation, adjustable height, automatically centralized inside.  
Stainless steel construction, anti-corrosion, can be used under hazardous environments.  
Mainly used for platform scales and other electronic weighing devices under hazardous environments.



#### Outline Dimension mm(inch)



### BY-14-101

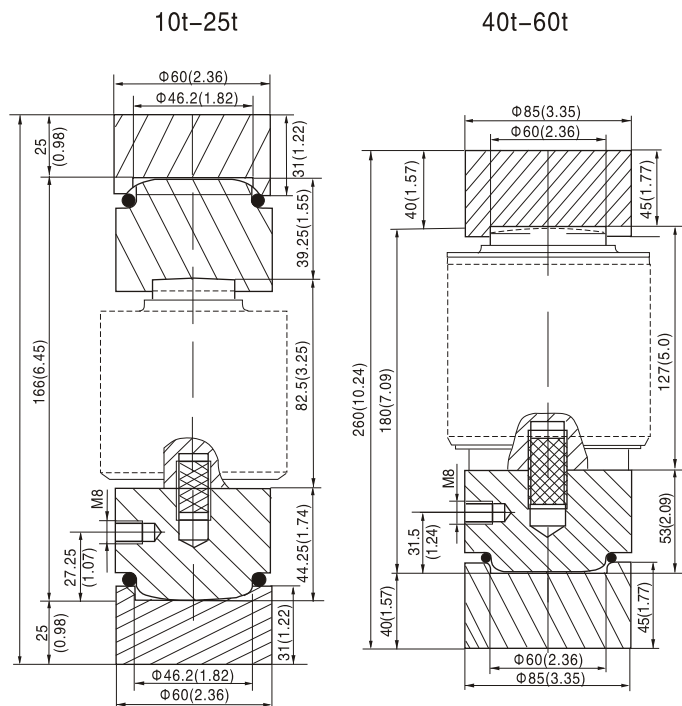
**Capacity**      **Part number**  
10t, 25t            BY-14-101-10/25t  
40t, 60t            BY-14-101-40/60t

**Features:**

Easy installation, good self-aligning ability, anti-reversal ability.  
Stainless steel construction, anti-corrosion, can be used under hazardous environments.  
Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.



#### Outline Dimension mm(inch)



Accessory

# BY-14-102

Capacity	Part number
10t, 15t	BY-14-102-10/15t
20t-40t	BY-14-102-20/40t
50t, 60t	BY-14-102-50/60t
100t	BY-14-102-100t

**Features:**

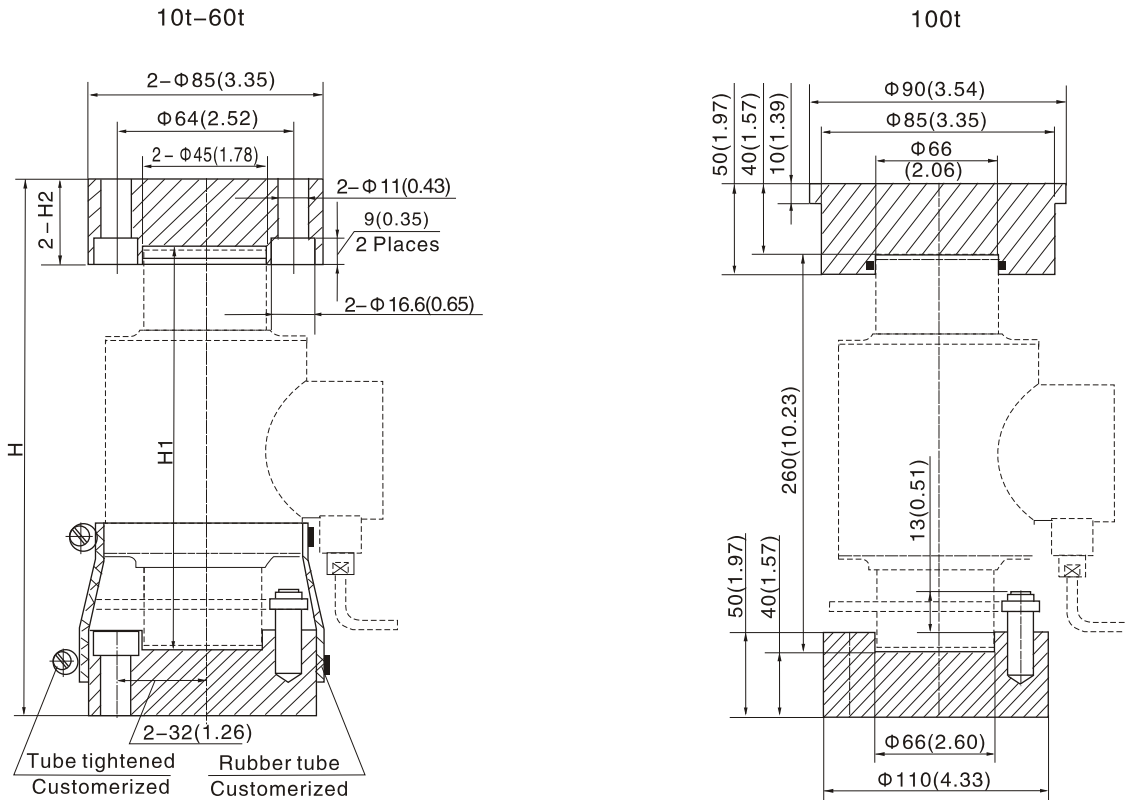
Easy installation, good self-aligning ability, anti-reversal ability.

Stainless steel construction, anti-corrosion, can be used under hazardous environments.

Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.

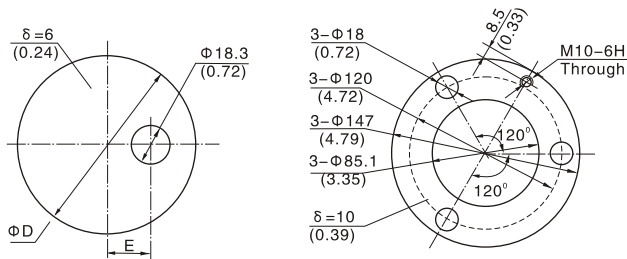


Outline Dimension mm(inch)



The locating circle can be offered on requests.

Eccentric washer, Φ165(6.5)  
Customized



Dimension	10t, 15t	20t-40t	50t, 60t	100t
Capacity	10t, 15t	20t-40t	50t, 60t	100t
H	160(6.3)	200(7.87)	260(10.24)	See pictures
H1	130(5.12)	150(5.91)	210(8.27)	See pictures
H2	22(0.87)	32(1.26)	32(1.26)	See pictures
D	80(3.15)	80(3.15)	80(3.15)	55(2.17)
W	18.9(0.74)	18.9(0.74)	18.9(0.74)	14(0.55)



Accessory

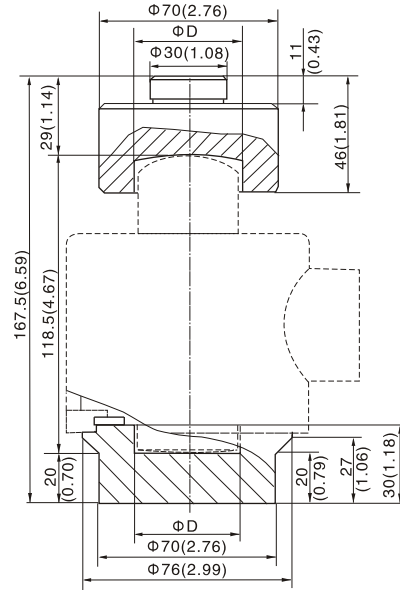
# BY-14-103

Capacity	Part number
10t-30t	BY-14-103-10/30t
40t,50t	BY-14-103-40/50t

**Features:**  
 Easy installation, good self-aligning ability, anti-reversal ability.  
 Stainless steel construction, anti-corrosion, can be used under hazardous environments.  
 Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.



## Outline Dimension mm(inch)



Capacity	10t-30t	40t,50t
Dimension		
ΦD	42(1.65)	52(2.05)

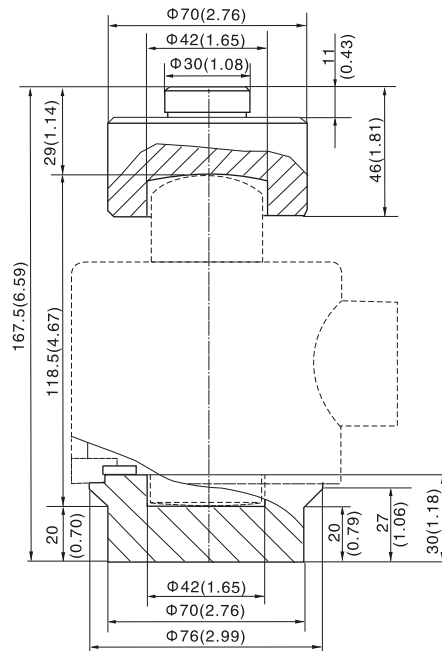
# HY-14-104

Capacity	Part number
10t-30t	HY-14-104-10/30t

**Features:**  
 Easy installation, good self-aligning ability, anti-reversal ability.  
 Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.



## Outline Dimension mm(inch)

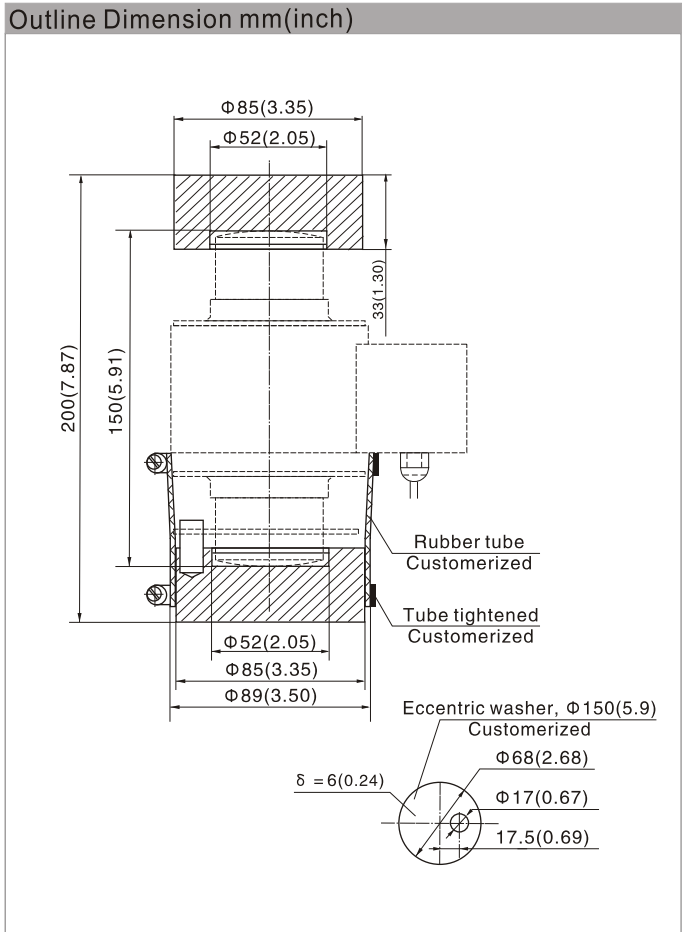


Accessory

# BY-14-105

**Capacity** 10t-50t  
**Part number** BY-14-105-10/50t

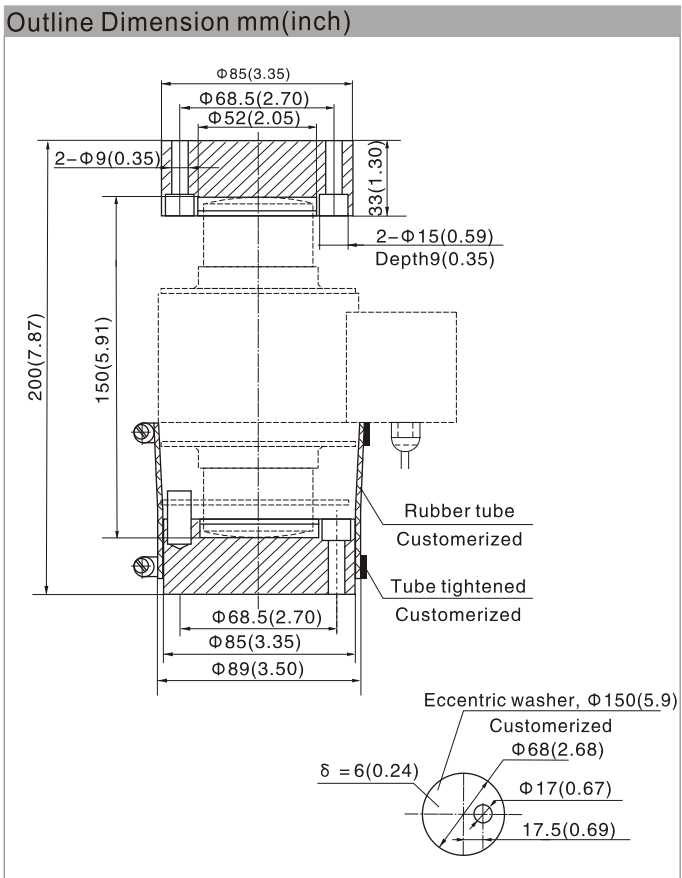
**Features:**  
Easy installation, good self-aligning ability, anti-reversal ability.  
Stainless steel construction, anti-corrosion, can be used under hazardous environments.  
Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.



# BY-14-106

**Capacity** 10t-50t  
**Part number** BY-14-106-10/50t

**Features:**  
Easy installation, good self-aligning ability, anti-reversal ability.  
Stainless steel construction, anti-corrosion, can be used under hazardous environments.  
Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.



Accessory

# BY-14-108

**Capacity** 10t-50t  
**Part number** BY-14-108-10/50t

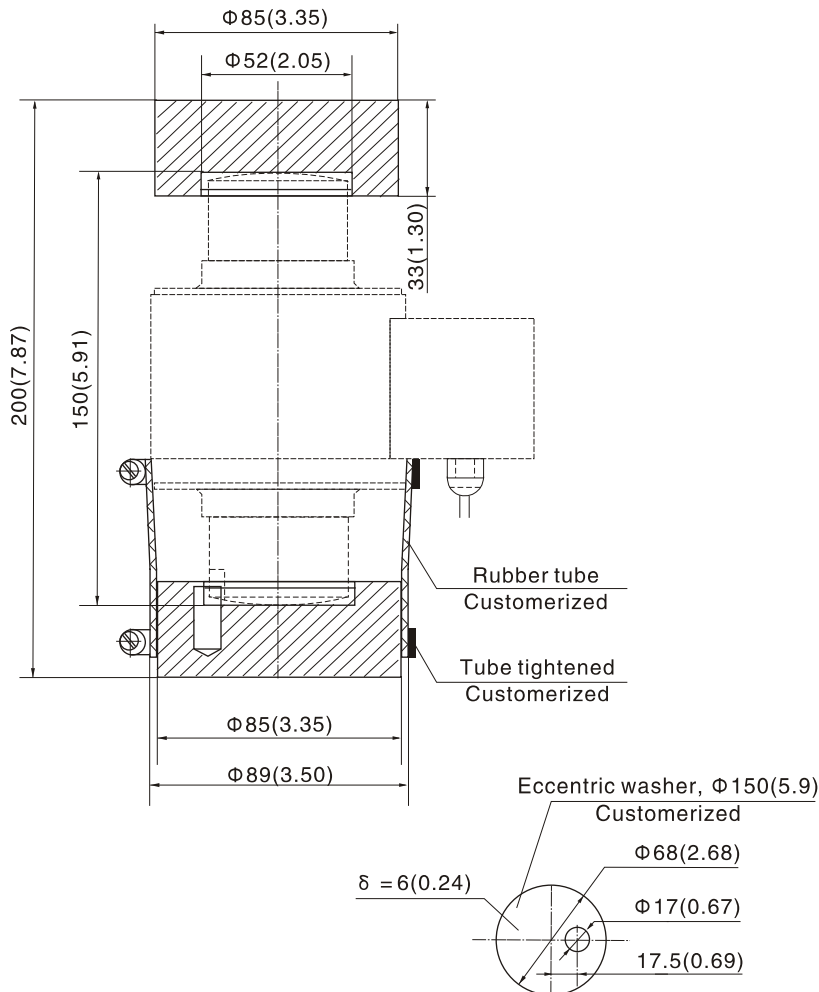
**Features:**

Easy installation, good self-aligning ability, anti-reversal ability.  
Stainless steel construction, anti-corrosion, can be used under hazardous environments.  
Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.



Stainless steel, assembled with: BM14G (-W1型)

Outline Dimension mm(inch)



Accessory

# BY-14-109

Capacity	Part number
10t, 15t	BY-14-109-10/15t
20t-40t	BY-14-109-20/40t
50t, 60t	BY-14-109-50/60t
100t	BY-14-109-100t

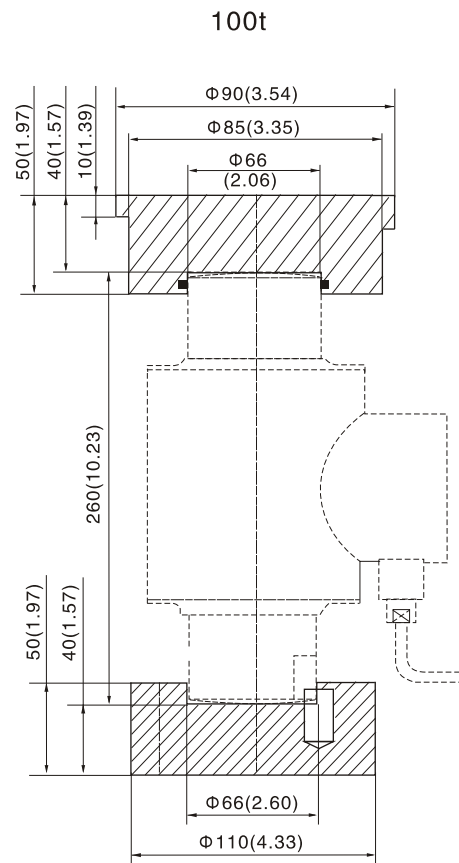
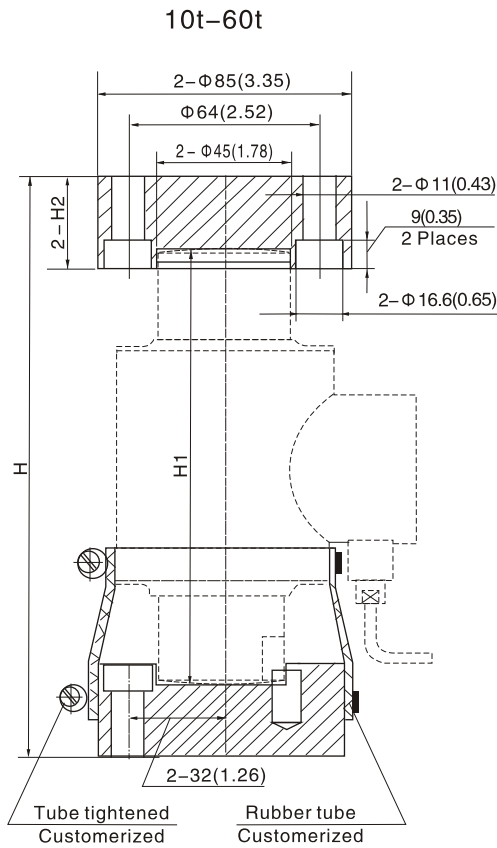
**Features:**

Easy installation, good self-aligning ability, anti-reversal ability.  
Stainless steel construction, anti-corrosion, can be used under hazardous environments.  
Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.



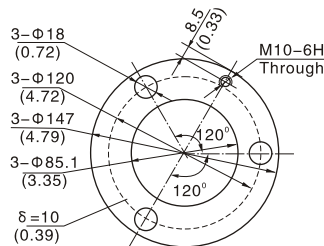
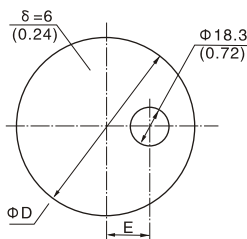
Stainless steel, assembled with: BM14K (-W型)  
Locating pin on the bottom plate is for anti-rotation occasion.

Outline Dimension mm(inch)



Locating circle can be offered on requests.

Eccentric washer, Φ165(6.5) Customized



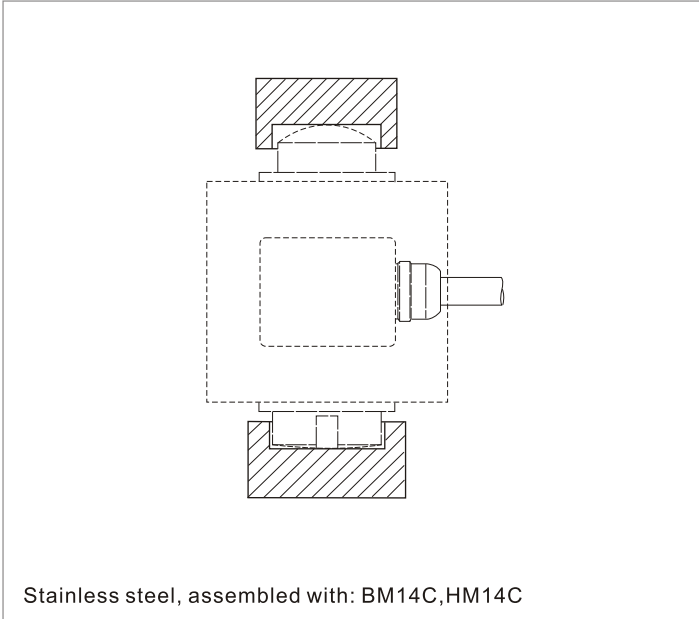
Dimension Capacity	10t,15t	20t-40t	50t,60t	100t
H	160(6.3)	200(7.87)	260(10.24)	See pictures
H1	130(5.12)	150(5.91)	210(8.27)	See pictures
H2	22(0.87)	32(1.26)	32(1.26)	See pictures
D	80(3.15)	80(3.15)	80(3.15)	55(2.17)
W	18.9(0.74)	18.9(0.74)	18.9(0.74)	14(0.55)

Accessory

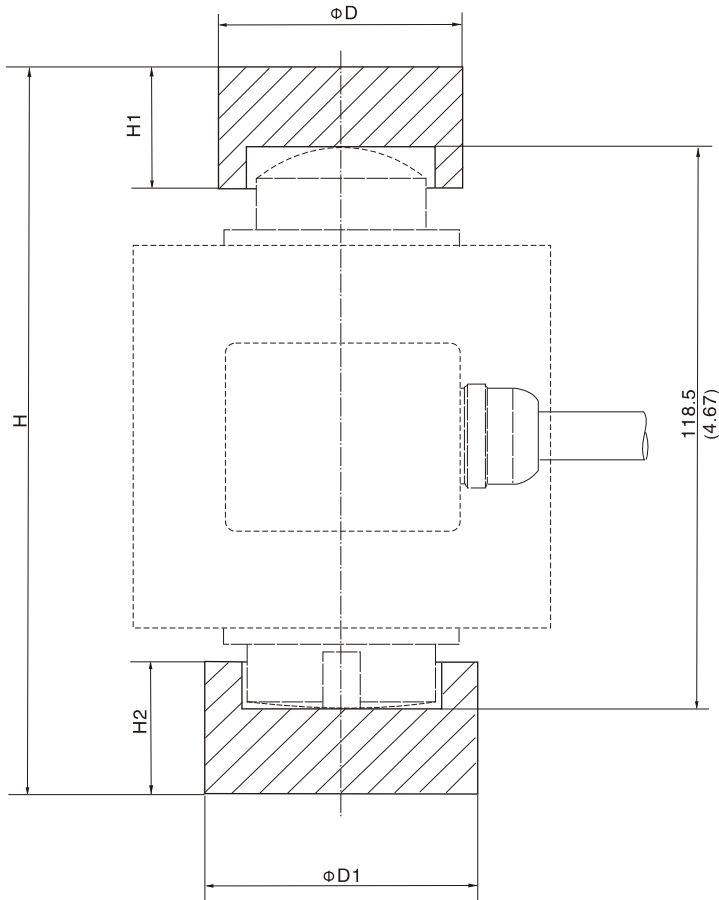
# BY-14-117

Capacity	Part number
0.5t-5t	BY-14-117-0.5/5t
10t-50t	BY-14-117-10/50t

**Features:**  
With slope stopping ability,  
and anti-rotation construction.



Outline Dimension mm(inch)



Dimension	Capacity	
	0.5t-5t	10t-50t
ΦD	52 (2.05)	68 (2.68)
ΦD1	58 (2.28)	68 (2.68)
H	154.5 (6.08)	168.5 (6.63)
H1	23 (0.91)	35 (1.38)
H2	28 (1.1)	35 (1.38)



Accessory

# HM-2-401

Capacity	Part number
1t	HM-2-401-1t
2t	HM-2-401-2t
3t	HM-2-401-3t
5t	HM-2-401-5t
10t	HM-2-401-10t
15t	HM-2-401-15t
20t	HM-2-401-20t
30t	HM-2-401-30t
50t	HM-2-401-50t

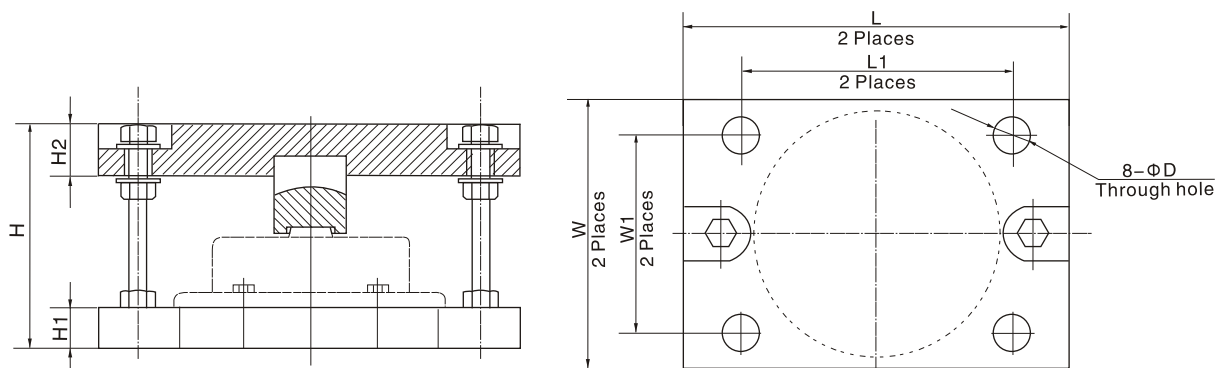
**Features:**

- Compact construction, easy installation
- With anti-reversal ability
- With horizontal locating ability
- With self-aligning ability



Alloy steel, assembled with: H2F

Outline Dimension mm(inch)



Dimension Capacity	H	H1	H2	L	L1	W	W1	ΦD
1t-5t	112 (4.41)	20 (0.79)	27 (1.06)	228 (8.98)	168 (6.61)	170 (6.69)	110 (4.33)	17.5 (0.69)
10t	143 (5.63)	25 (0.98)	31 (1.22)	260 (10.24)	200 (7.87)	200 (7.87)	140 (5.51)	20 (0.79)
15t	163 (6.42)	30 (1.18)	37 (1.46)	294 (11.57)	234 (9.21)	234 (9.21)	174 (6.85)	20 (0.79)
20t	173 (6.81)	30 (1.18)	37 (1.46)	320 (12.6)	260 (10.24)	260 (10.24)	200 (7.87)	20 (0.79)
30t	200 (7.87)	35 (1.38)	47 (1.85)	330 (12.99)	270 (10.63)	270 (10.63)	210 (8.27)	23 (0.91)
50t	225 (8.86)	40 (1.57)	55 (2.17)	364 (14.33)	294 (11.57)	294 (11.57)	224 (8.82)	27 (1.06)

## Accessory

# HM-8-401

Capacity	Part number
0.5t-3t	HM-8-401-0.5/3t
5t	HM-8-401-5t
10t-15t	HM-8-401-10/15t
20t	HM-8-401-20t

### Features:

- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability
- Using under heavy static load or slight dynamic load



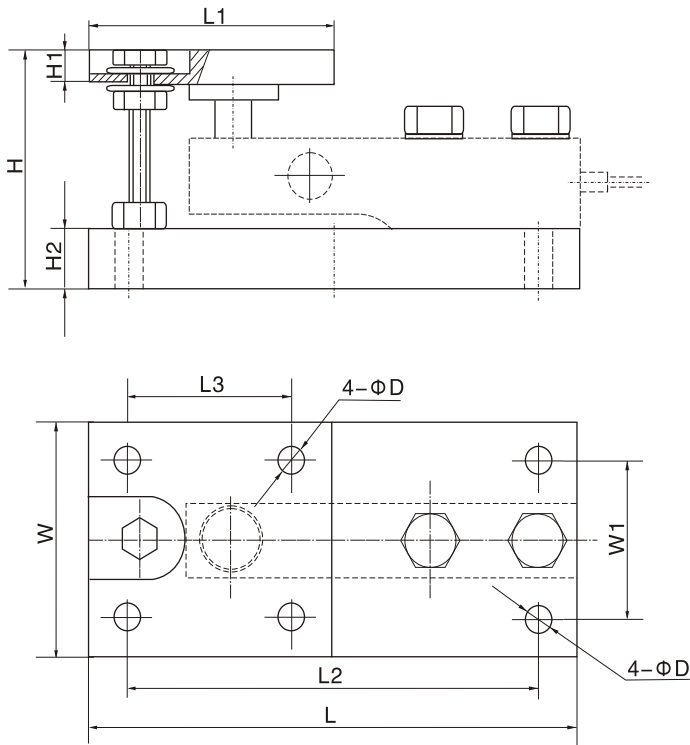
### Optional table

Part number	Designation	Cutline
HM-8-401-1	Fixed	
HM-8-401-2	Half-floating	
HM-8-401-3	Floating	

### Specifications

Capacity	t	0.5-3	5	10-15	20
Ultimate load	%FS	150	150	150	150
Max. Horizontal displacement	mm	5	4		
Max. anti-rotation	KN	3	10	30	50
Material	Alloy steel				

### Outline Dimension mm(inch)



Dimension	Capacity			
	0.5-3t	5t	10-15t	20t
L	241.3 (9.5)	300 (11.8)	355.6 (14.0)	406.4 (16.0)
L1	114.3 (4.5)	152.4 (6.0)	203.2 (8.0)	228.6 (9.0)
L2	214.6 (4.5)	249.2 (9.81)	304.8 (12.0)	342.9 (13.5)
L3	88.9 (4.5)	101.6 (4.0)	152.4 (6.0)	165.1 (6.5)
H	104.8 (4.13)	136.5 (5.37)	190.5 (7.5)	228.6 (9.0)
H1	19 (0.75)	25.4 (1.0)	44.5 (1.75)	50.8 (2.0)
H2	25.4 (1.0)	32 (1.26)	44.5 (1.75)	50.8 (2.0)
W	241.3 (9.5)	300 (11.8)	355.6 (14.0)	406.4 (16.0)
W1	88.9 (4.5)	101.6 (4.0)	152.4 (6.0)	165.1 (6.5)
ΦD	11 (0.43)	17.5 (0.69)	20.6 (0.81)	25.5 (1.0)

Accessory

# HM-8-402

Capacity	Part number
0.5t-2t	HM-8-402-0.5/2t
2.5t-5t	HM-8-402-2.5/5t
1Klb-4Klb	HM-8-402-1/4K
5Klb-10Klb	HM-8-402-5/10K

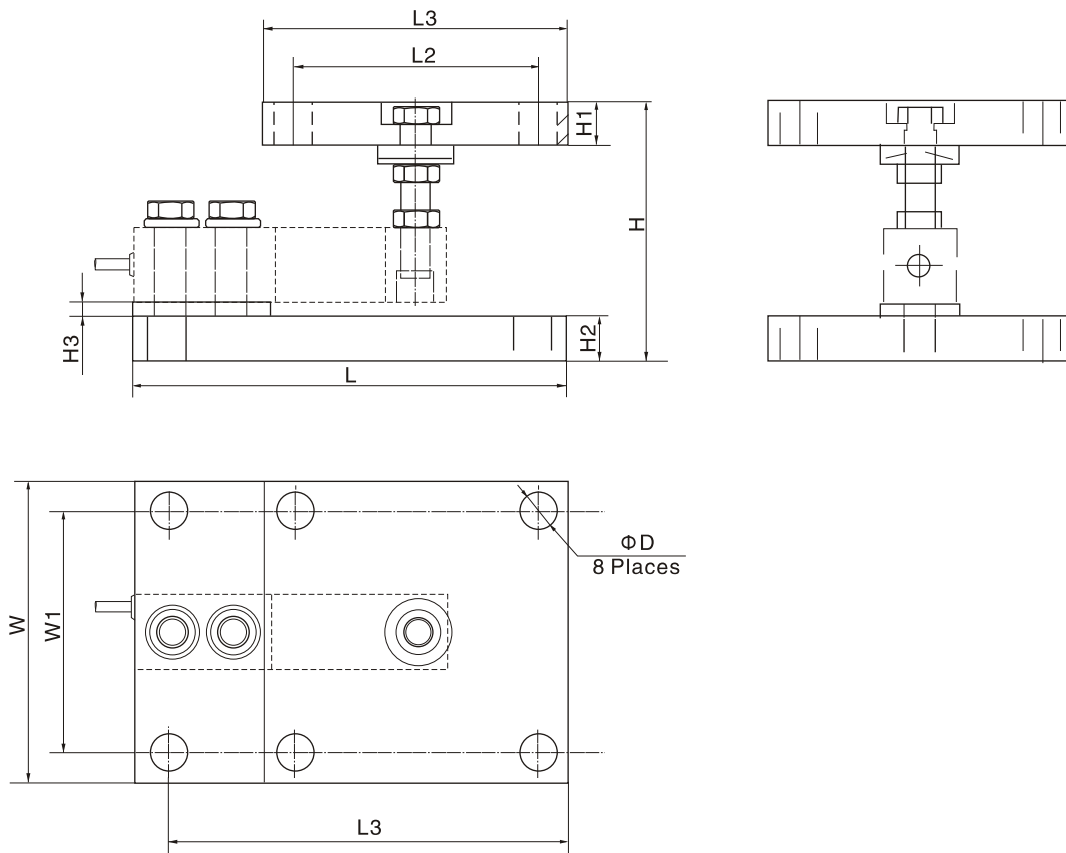
**Features:**

- Compact construction, easy installation
- Adjustable mounting height
- Using under heavy static load or slight dynamic load



Alloy steel, assembled with: B8D,H8C

Outline Dimension mm(inch)



Dimension Capacity	L	L1	L2	L3	H	H1	H2	H3	W	W1	ΦD
0.5t-2t 1Klb-4Klb	180.9 (7.12)	127 (5.0)	101.6 (5.0)	152.4 (6.0)	100-120 (3.94-4.72)	18 (0.71)	18 (0.71)	6.1 (0.24)	127 (5.0)	101.6 (4.0)	16 (0.63)
2.5t-5t 5Klb-10Klb	215.9 (8.5)	127 (5.0)	101.6 (5.0)	177.8 (7.0)	130-150 (5.12-5.91)	26 (1.02)	26 (1.02)	6.1 (0.24)	127 (5.0)	101.6 (4.0)	16 (0.63)

Accessory

# BM-8-404

Capacity	Part number
0.5t-2t	BM-8-404-0.5/2t
2.5t-5t	BM-8-404-2.5/5t
1Klb-4Klb	BM-8-404-1/4K
5Klb-10Klb	BM-8-404-5/10K

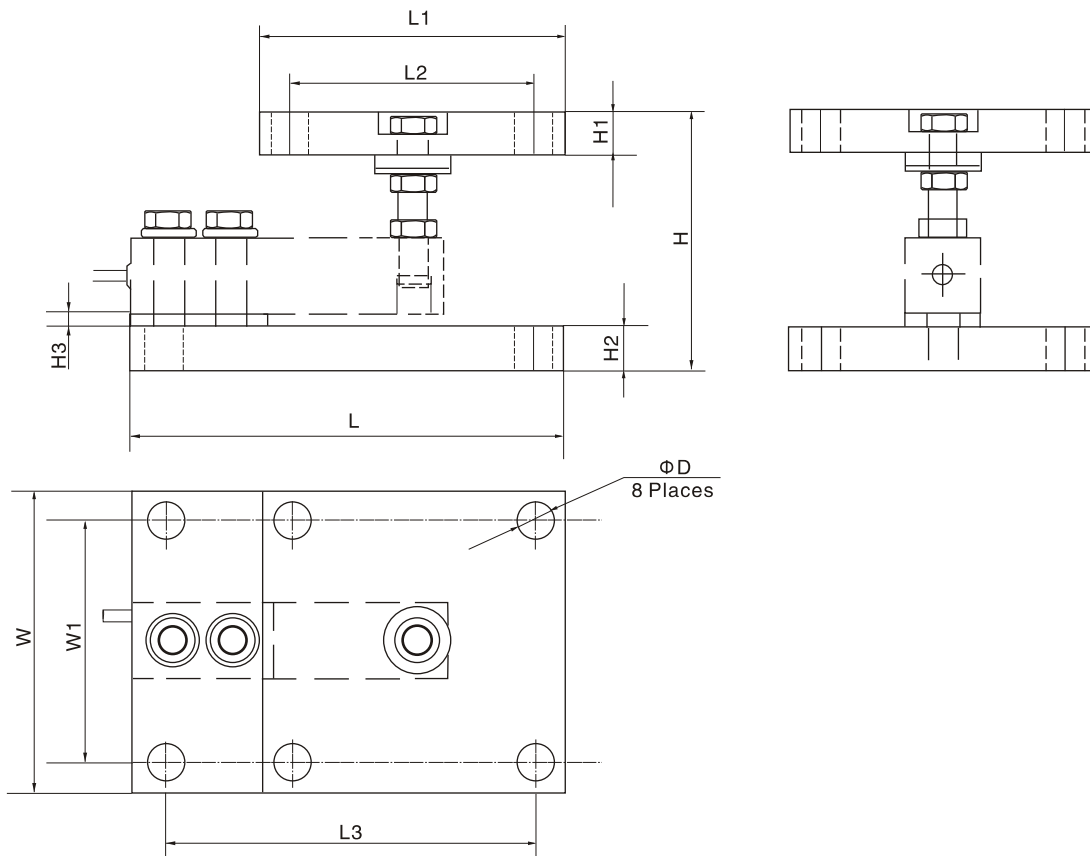
**Features:**

- Compact construction, easy installation
- Adjustable mounting height
- Using under heavy static load or slight dynamic load
- Good ability against corrosive environments



Stainless steel, assembled with: B8D,H8C

Outline Dimension mm(inch)



Dimension Capacity	L	L1	L2	L3	H	H1	H2	H3	W	W1	ΦD
0.5t-2t 1Klb-4Klb	180.9 (7.12)	127 (5.0)	101.6 (5.0)	152.4 (6.0)	100-120 (3.94-4.72)	18 (0.71)	18 (0.71)	6.1 (0.24)	127 (5.0)	101.6 (4.0)	16 (0.63)
2.5t-5t 5Klb-10Klb	215.9 (8.5)	127 (5.0)	101.6 (5.0)	177.8 (7.0)	130-150 (5.12-5.91)	26 (1.02)	26 (1.02)	6.1 (0.24)	127 (5.0)	101.6 (4.0)	16 (0.63)

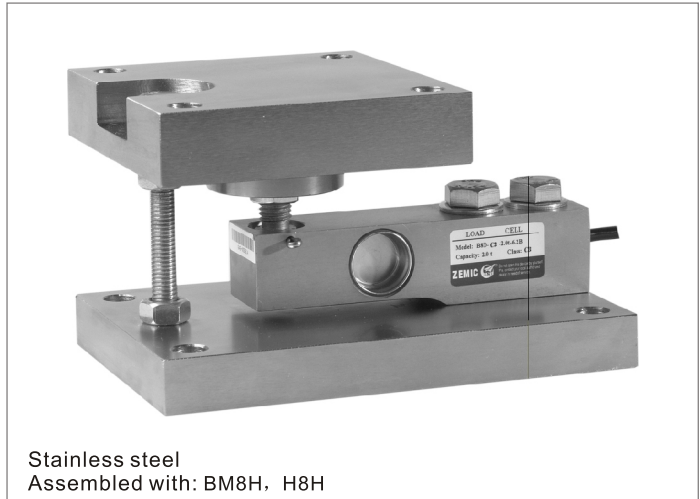
Accessory

# BM-8-406

Capacity	Part number
0.25t-2t	BM-8-406-0.25/2t
5t	BM-8-406-5t
500lb-5Klb	BM-8-406-500lb/5K
10Klb	BM-8-406-10K

**Features:**

- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability
- Good ability against corrosive environments.



Stainless steel  
Assembled with: BM8H, H8H

Optional table

Part number	Designation	Cutline
BM-8-406-1	Fixed	
BM-8-406-2	Half-floating	
BM-8-406-3	Floating	

Specifications

Capacity	t	0.25-2	5
Ultimate load	%FS	150	150
Max. Horizontal displacement	mm	4	4
Max. anti-rotation	KN	3	10
Material	Stainless steel		

Outline Dimension mm(inch)

Dimension	Capacity	
	0.25-2t 0.5-5Klb	5t 10Klb
L	177.8 (7.0)	235 (9.25)
L1	114.3 (4.5)	152.4 (6.0)
L2	152.4 (6.0)	184.2 (7.25)
L3	88.9 (4.5)	101.6 (4.0)
H	104.8 (4.13)	136.5 (5.37)
H1	25.4 (1.0)	32 (1.26)
H2	19 (0.75)	25.4 (1.0)
W	104.8 (4.13)	136.5 (5.37)
W1	88.9 (4.5)	101.6 (4.0)
ΦD	11 (0.43)	17.5 (0.69)



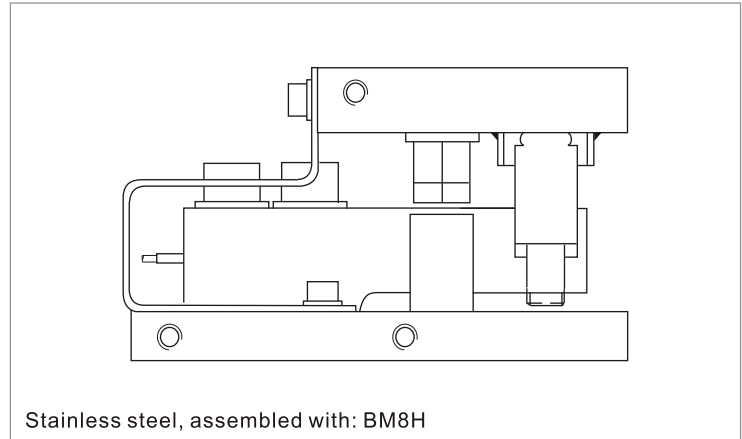
Accessory

# BM-8-411

**Capacity** 0.5t-2t  
**Part number** BM-8-411-0.5/2t

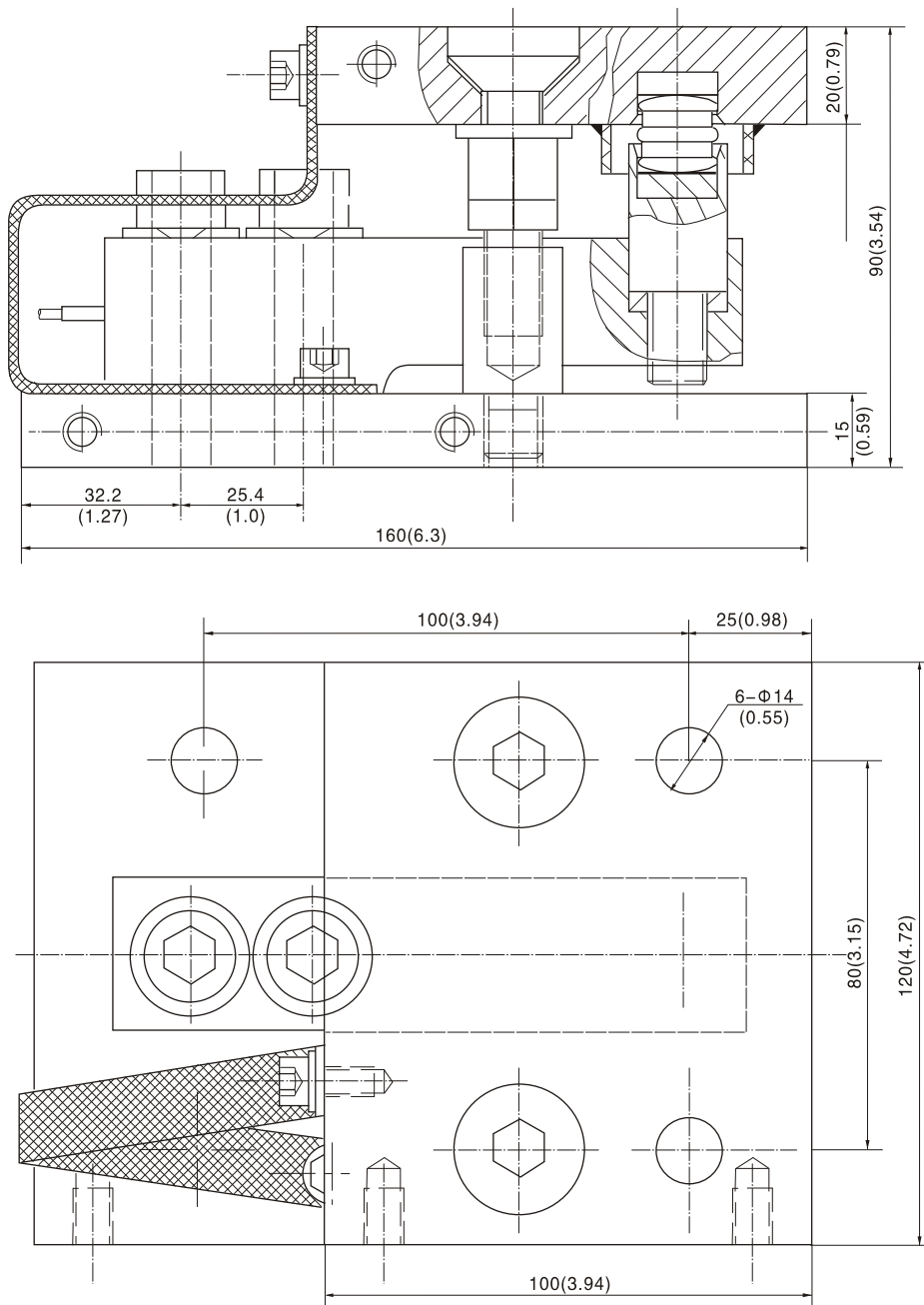
**Features:**

- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability



Stainless steel, assembled with: BM8H

Outline Dimension mm(inch)



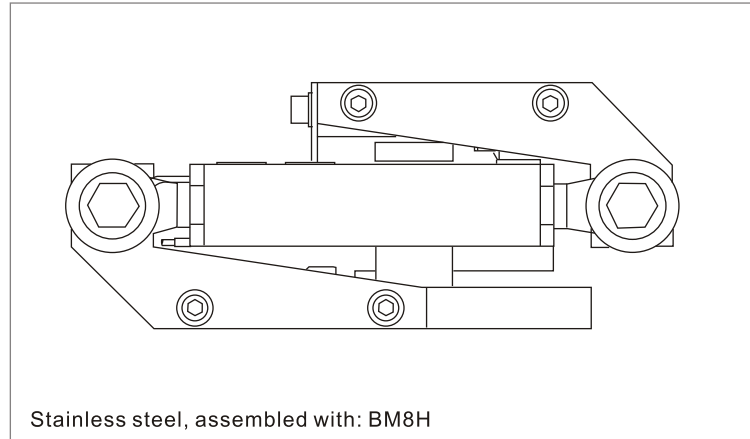
Accessory

# BM-8-412

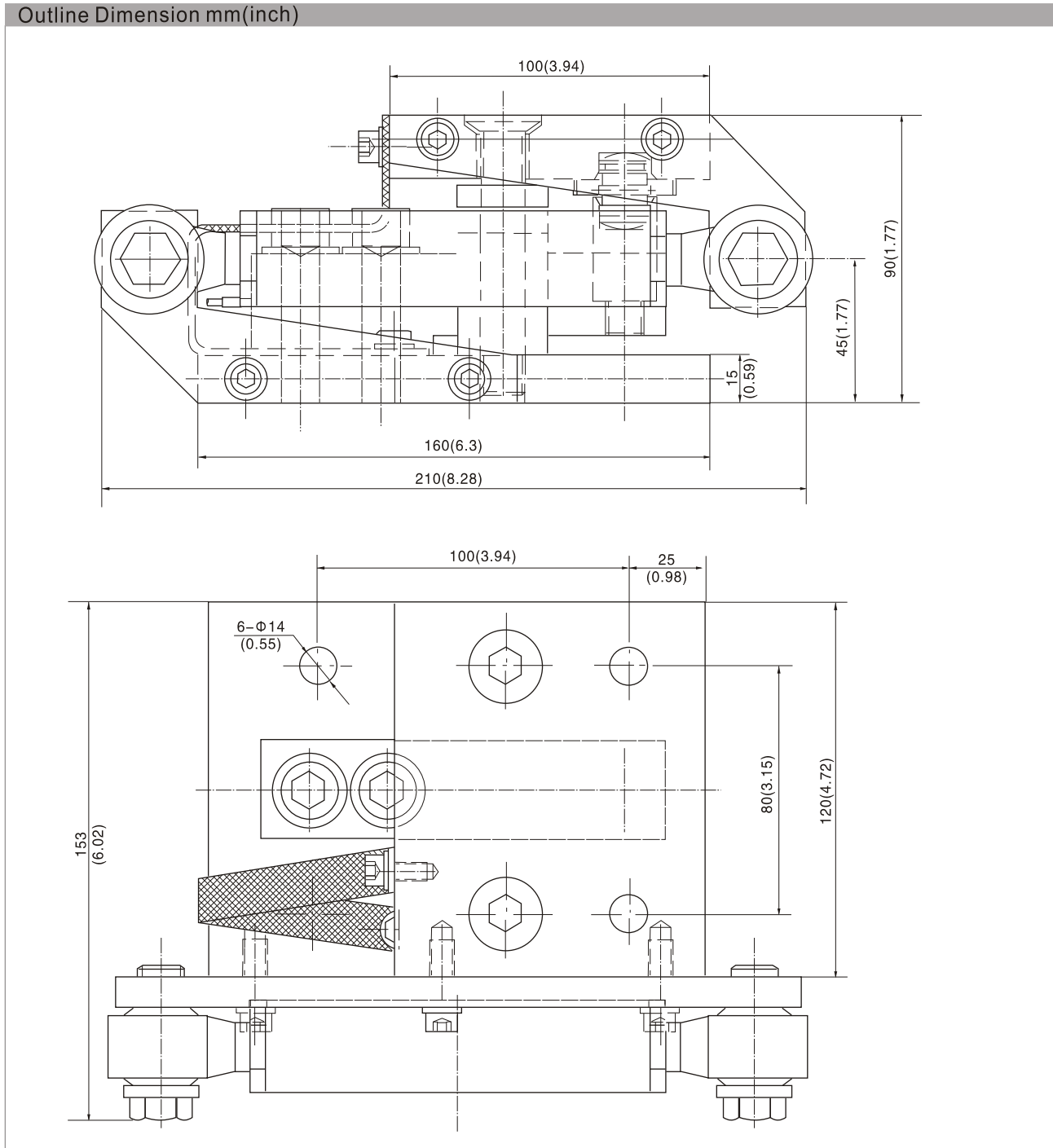
**Capacity** 0.5t-2t  
**Part number** BM-8-412-0.5/2t

**Features:**

- Compact construction, easy installation
- With horizontal locating ability
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability



Outline Dimension mm(inch)



Accessory

# HM-9-401

**Capacity**

5Klb-20Klb  
30Klb-75Klb  
100Klb-150Klb  
200Klb-250Klb  
5KlbSPEC-20KlbSPEC  
200KlbSPEC-250KlbSPEC

**Part number**

HM-9-401-5/20Klb  
HM-9-401-30/75Klb  
HM-9-401-100/150Klb  
HM-9-401-200/250Klb  
HM-9-401-5/20KlbSPEC  
HM-9-401-200/250KlbSPEC

**Features:**

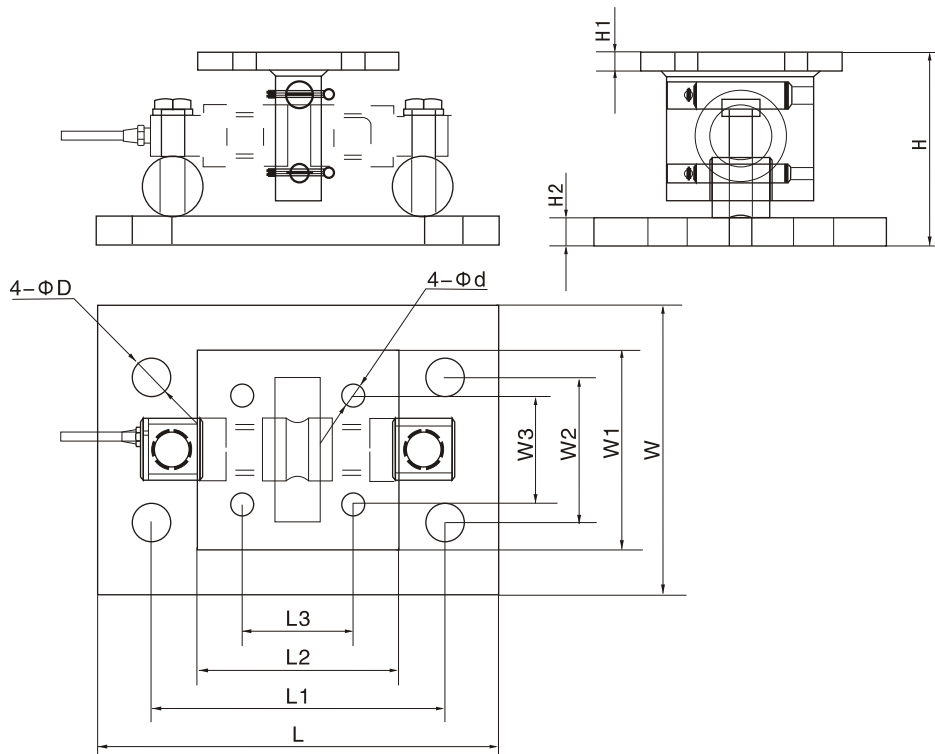
- Compact construction, easy installation
- With anti-reversal ability
- Using under heavy static load or slight dynamic load

**Specifications**

Safe overload	150%FS
Ultimate overload	300%FS
Max. anti-rotation	40%FS
Max. anti-side loading	20%FS
Max. vertical lifting	5-20K:3.3K(1.5t)/30-75K:11K(5t) 100-150K:16.5K(7.5t)/200-250K:68K(31t)



**Outline Dimension mm(inch)**



Dimension \ Capacity	L	L1	L2	L3	W	W1	W2	W3	H	H1	H2	ΦD	Φd
5-20Klb	279.4 (11)	203.2 (8)	139.7 (5.5)	76.2 (3)	203.2 (8)	139.7 (5.5)	101.6 (4)	76.2 (3)	139.2 (5.48)	12.7 (0.5)	19 (0.75)	26.9 (1.06)	16 (0.63)
30-75Klb	381 (15)	292.1 (11.5)	203.2 (8)	130.3 (5.13)	254 (10)	203.2 (8)	152.4 (6)	130.3 (5.13)	214.1 (8.43)	19.1 (0.75)	25 (1.0)	31 (1.22)	19.1 (0.75)
100-150Klb	457.2 (18)	355.6 (14)	254 (10)	190.5 (7.5)	304.8 (12)	254 (10)	228.6 (9)	190.5 (7.5)	246 (10.39)	31.8 (1.25)	31.8 (1.25)	35.1 (1.38)	20.6 (0.81)
200-250Klb	660.4 (26)	508 (20)	304.8 (12)	228.6 (9)	304.8 (12)	304.8 (12)	152.4 (6)	228.6 (9)	400 (15.73)	50.8 (2)	50.8 (2)	47.8 (1.88)	26.9 (1.06)
5-20KlbSPEC	279.4 (11)	203.2 (8)	152.4 (6)	76.2 (3)	190.5 (7.5)	152.4 (6)	101.6 (4)	76.2 (3)	139.2 (5.48)	12.7 (0.5)	19 (0.75)	26.9 (1.06)	14.22 (0.56)
200-250KlbSPEC	660.4 (26)	508 (20)	317.5 (12.5)	203.2 (8)	304.8 (12)	317.5 (12.5)	152.4 (6)	203.2 (8)	400 (15.73)	50.8 (2)	50.8 (2)	47.8 (1.88)	40.6 (1.6)

## Accessory

# BM-9-402

Capacity	Part number
5Klb-20Klb	BM-9-402-5/20Klb
50Klb-75Klb	BM-9-402-50/75Klb
100Klb-150Klb	BM-9-402-100/150Klb
200Klb-250Klb	BM-9-402-200/250Klb

### Features:

- Compact construction, easy installation
- With anti-reversal ability
- Using under heavy static load or slight dynamic load
- Stainless steel, with good ability against corrosive environments.

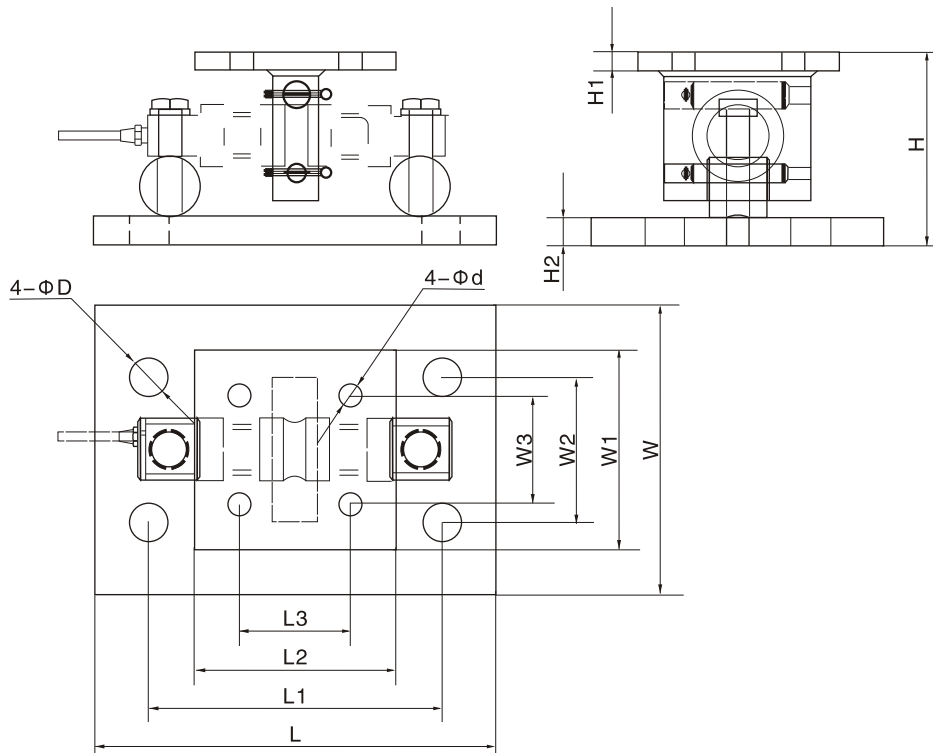
### Specifications

Safe overload	150%FS
Ultimate overload	300%FS
Max. anti-rotation	40%FS
Max. anti-side loading	20%FS
Max. vertical lifting	5-20K:3.3K(1.5t)/30-75K:11K(5t) 100-150K:16.5K(7.5t)/200-250K:68K(31t)



Stainless steel, assembled with: H9C,B9C

### Outline Dimension mm(inch)



Dimension Capacity	L	L1	L2	L3	W	W1	W2	W3	H	H1	H2	ΦD	Φd
5-20Klb	279.4 (11)	203.2 (8)	139.7 (5.5)	76.2 (3)	203.2 (8)	139.7 (5.5)	101.6 (4)	76.2 (3)	139.2 (5.48)	12.7 (0.5)	19 (0.75)	26.9 (1.06)	16 (0.63)
30-75Klb	381 (15)	292.1 (11.5)	203.2 (8)	130.3 (5.13)	254 (10)	203.2 (8)	152.4 (6)	130.3 (5.13)	214.1 (8.43)	19.1 (0.75)	25 (1.0)	31 (1.22)	19.1 (0.75)
100-150Klb	457.2 (18)	355.6 (14)	254 (10)	190.5 (7.5)	304.8 (12)	254 (10)	228.6 (9)	190.5 (7.5)	246 (10.39)	31.8 (1.25)	31.8 (1.25)	35.1 (1.38)	20.6 (0.81)
200-250Klb	660.4 (26)	508 (20)	304.8 (12)	228.6 (9)	304.8 (12)	304.8 (12)	152.4 (6)	228.6 (9)	400 (15.73)	50.8 (2)	50.8 (2)	47.8 (1.88)	26.9 (1.06)

Accessory

# HM-9-403

Capacity	Part number
1Klb-5Klb	HM-9-403-1/5Klb
10Klb-35Klb	HM-9-403-10/35Klb
50Klb-75Klb	HM-9-403-50/75Klb

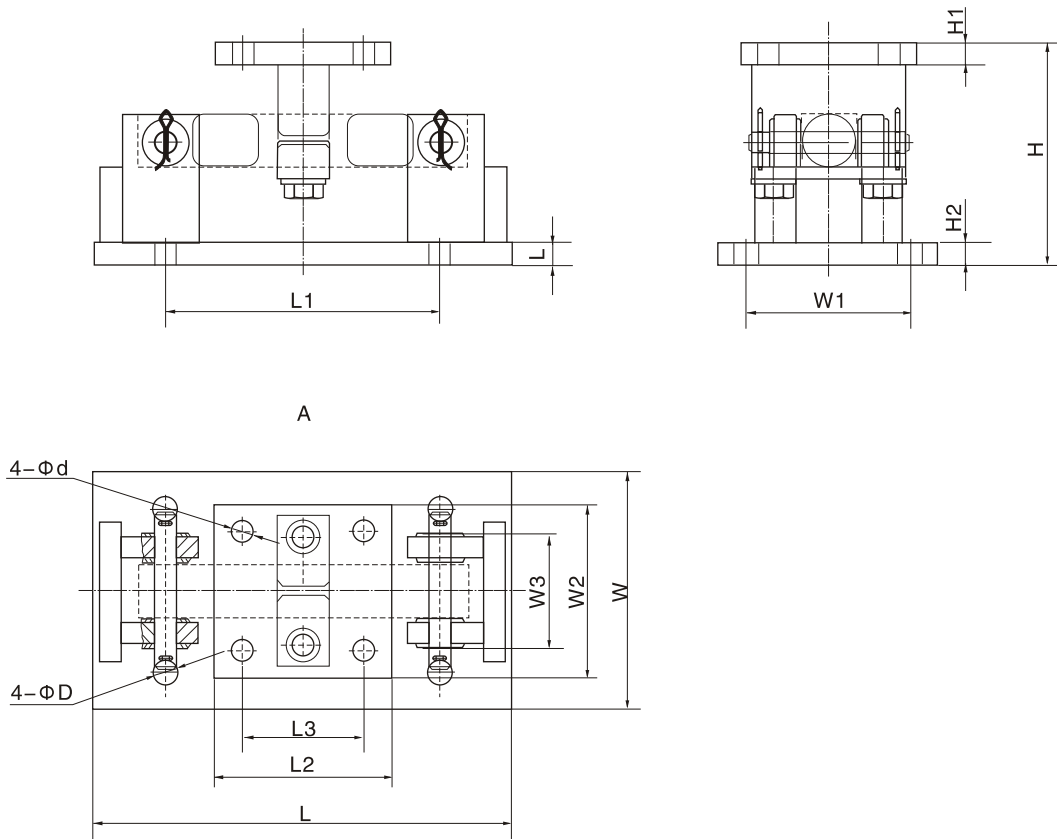
**Features:**

- Compact construction, easy installation
- Excellent anti-side loading ability
- With self-aligning ability
- Using under heavy static load or slight dynamic load



Alloy steel, assembled with: H9D,B9D

Outline Dimension mm(inch)



Dimension Capacity	L	L1	L2	L3	W	W1	W2	W3	H	H1	H2	ΦD	Φd
1-5Klb	235 (9.25)	158.8 (6.25)	101.6 (4)	69.9 (2.75)	127 (5)	95.3 (3.75)	101.6 (4)	69.9 (2.75)	130.3 (5.13)	12.7 (0.5)	12.7 (0.5)	14.2 (0.56)	14.2 (0.56)
10-35Klb	304.8 (12)	190.5 (7.5)	203.2 (8)	152.4 (6)	203.2 (8)	152.4 (6)	203.2 (8)	152.4 (6)	200.67 (7.90)	19.1 (0.75)	19.1 (0.75)	20.6 (0.81)	20.6 (0.81)
50-75Klb	412.8 (16.25)	292.1 (11.5)	228.6 (9.0)	165.1 (6.5)	304.8 (12)	241.3 (9.5)	228.6 (9.0)	165.1 (6.5)	236.2 (9.3)	25.4 (1)	25.4 (1)	20.6 (0.81)	20.6 (0.81)

Accessory

# BM-9-404

Capacity	Part number
1Klb-5Klb	BM-9-404-1/5Klb
10Klb-35Klb	BM-9-404-10/35Klb
50Klb-75Klb	BM-9-404-50/75Klb

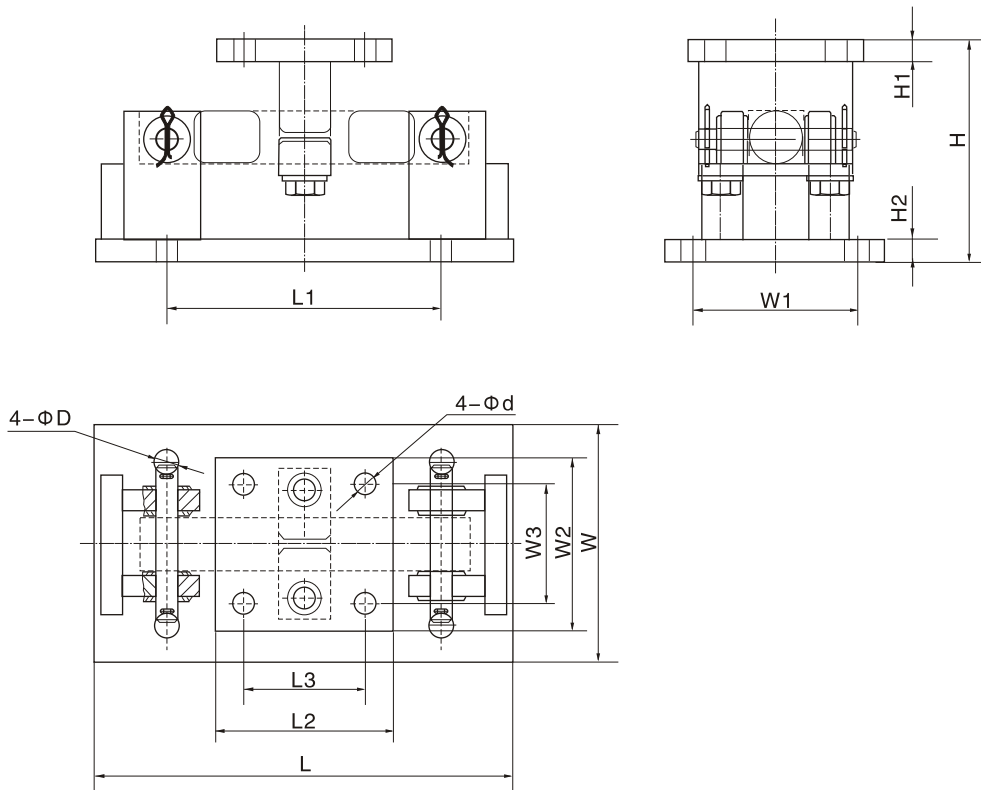
**Features:**

- Compact construction, easy installation
- Excellent anti-side loading ability
- Using under heavy static load or slight dynamic load
- Stainless steel, with good ability against corrosive environments.



Stainless steel, assembled with: H9D, B9D

Outline Dimension mm(inch)



Dimension Capacity	L	L1	L2	L3	W	W1	W2	W3	H	H1	H2	ΦD	Φd
1-5Klb	241.3 (9.5)	158.8 (6.25)	101.6 (4)	69.9 (2.75)	139.7 (5.5)	95.3 (3.75)	101.6 (4)	69.9 (2.75)	130.3 (5.13)	12.7 (0.5)	12.7 (0.5)	14.2 (0.56)	14.2 (0.56)
10-35Klb	292.1 (17.5)	190.5 (7.5)	203.2 (8)	152.4 (6)	203.2 (8)	152.4 (6)	203.2 (8)	152.4 (6)	200.67 (7.90)	19.1 (0.75)	19.1 (0.75)	20.6 (0.81)	20.6 (0.81)
50-75Klb	406.4 (16)	292.1 (11.5)	203.2 (8)	165.1 (6.5)	298.5 (11.75)	241.3 (9.5)	203.2 (8)	165.1 (6.5)	233.7 (9.2)	25.4 (1)	25.4 (1)	20.6 (0.81)	20.6 (0.81)



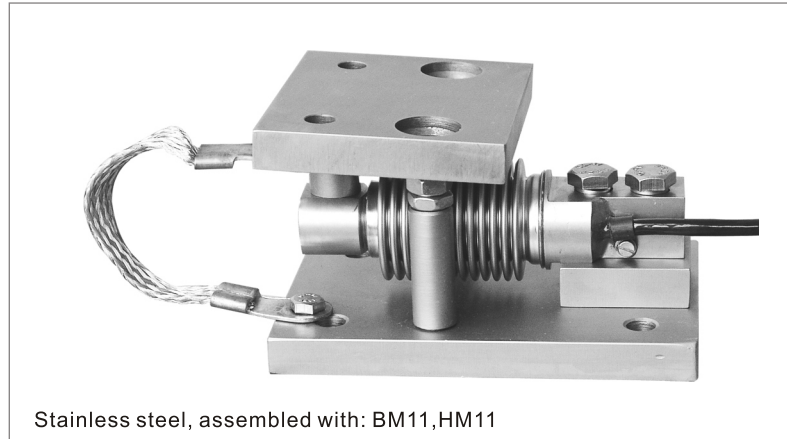
Accessory

# BM-11-401

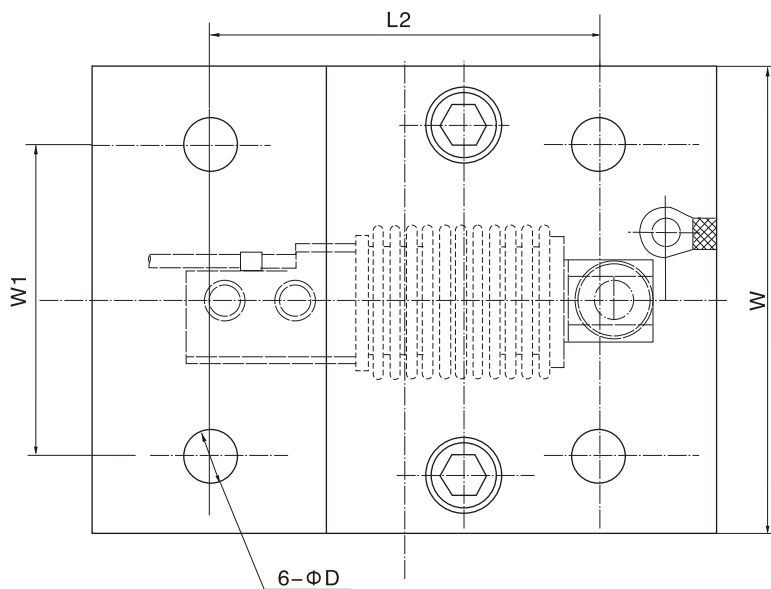
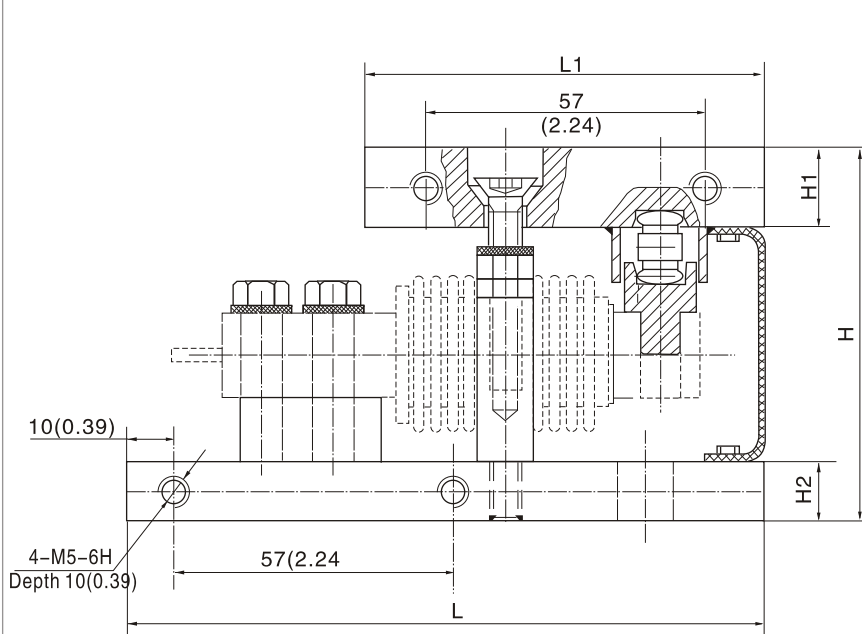
Capacity	Part number
5kg-200kg	BM-11-401-5/200kg
350kg-500kg	BM-11-401-350/500kg

**Features:**

- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability



Outline Dimension mm(inch)



Capacity Dimension	5kg-200kg	350kg-500kg
H	77 (3.03)	90 (3.54)
H1	12 (0.47)	20 (0.79)
H2	12 (0.47)	15 (0.59)
L	130 (5.12)	160 (5.3)
L1	75 (2.95)	100 (3.94)
L2	95 (3.74)	100 (3.94)
W	90 (3.54)	120 (4.72)
W1	60 (2.36)	80 (3.15)
ΦD	Φ9 (0.35)	Φ14 (0.55)

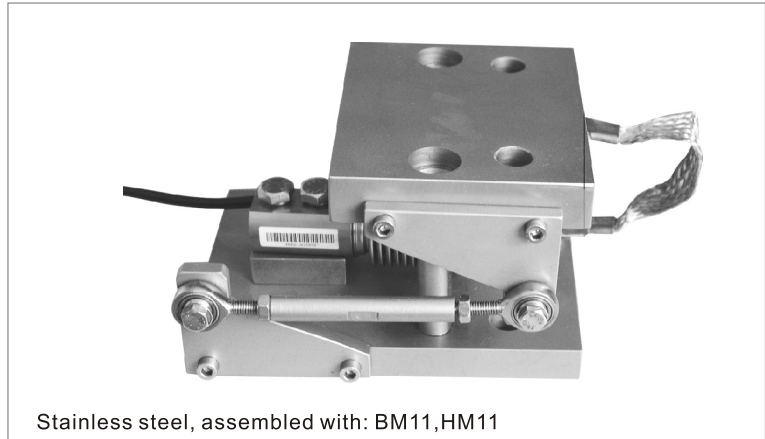
Accessory

# BM-11-402

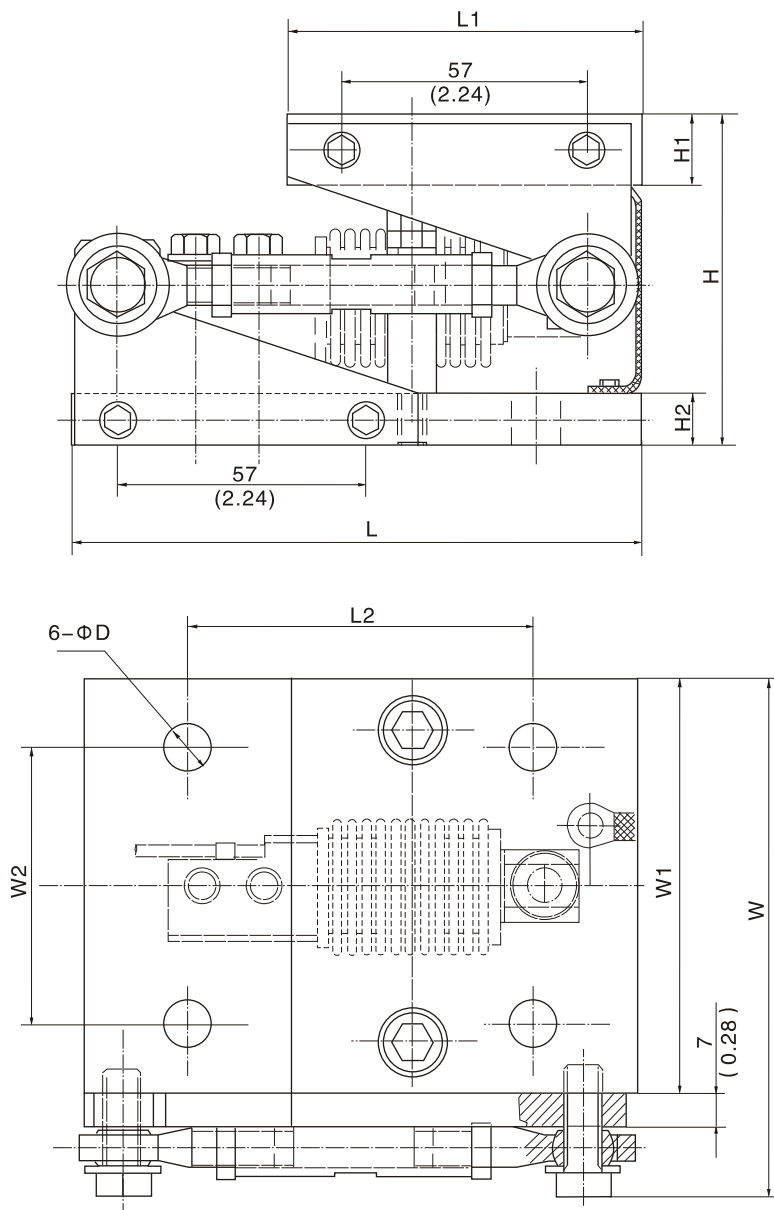
Capacity	Part number
5kg-200kg	BM-11-402-5/200kg
350kg-500kg	BM-11-401-350/500kg

**Features:**

- Compact construction, easy installation
- With anti-reversal ability
- With horizontal locating ability
- With anti-overloading ability
- With self-aligning ability



Outline Dimension mm(inch)



Capacity	5kg-200kg	350kg-500kg
H	77 (3.03)	90 (3.54)
H1	12 (0.47)	20 (0.79)
H2	12 (0.47)	15 (0.59)
L	130 (5.12)	160 (5.3)
L1	75 (2.95)	100 (3.94)
L2	95 (3.74)	100 (3.94)
W	111 (4.37)	141 (5.55)
W1	90 (3.54)	120 (4.72)
W2	60 (2.36)	80 (3.15)
ΦD	Φ9 (0.35)	Φ14 (0.55)

## Accessory

# HM-14-401

**Capacity** 10t-50t  
**Part number** HM-14-401-10/50t

**Features:**

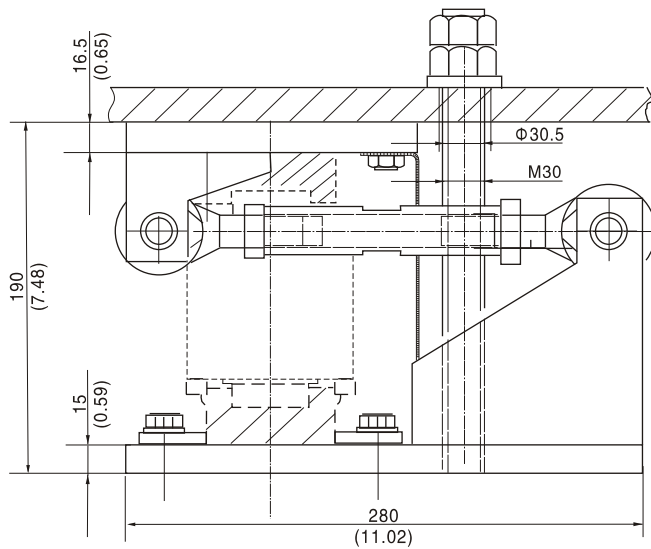
- Compact construction, easy installation
- With anti-reversal ability
- With horizontal locating ability
- With self-aligning ability

**Specifications**

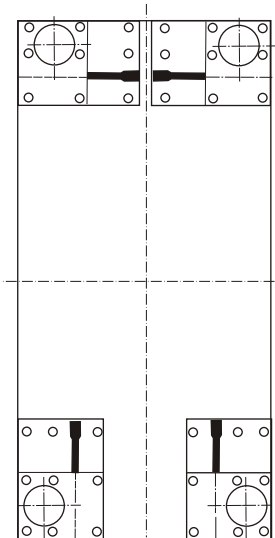
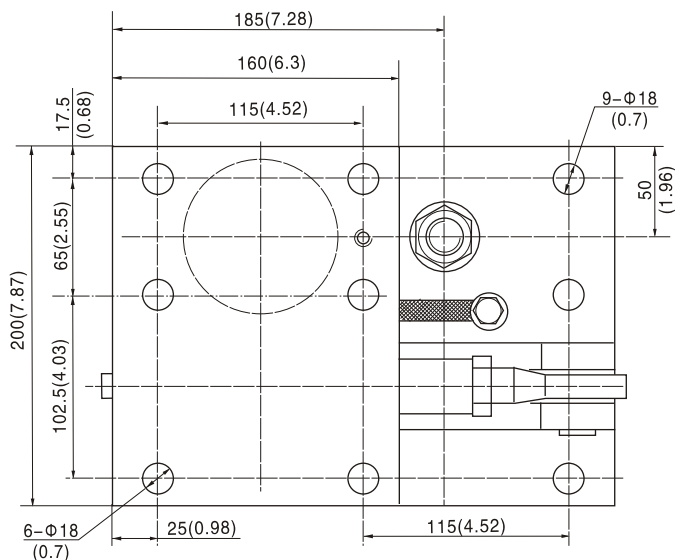
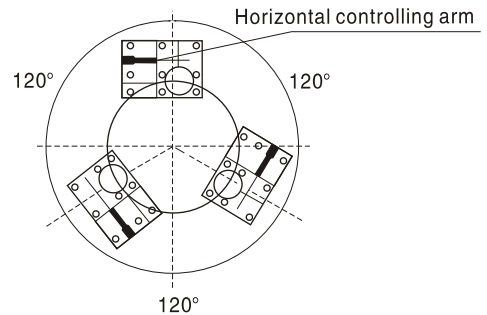
Ultimate load	150%FS
Max. anti-rotation	50KN
Max. anti-side loading	50KN
Max. horizontal displacement	5.4mm



**Outline Dimension mm(inch)**



**Installation**



Accessory

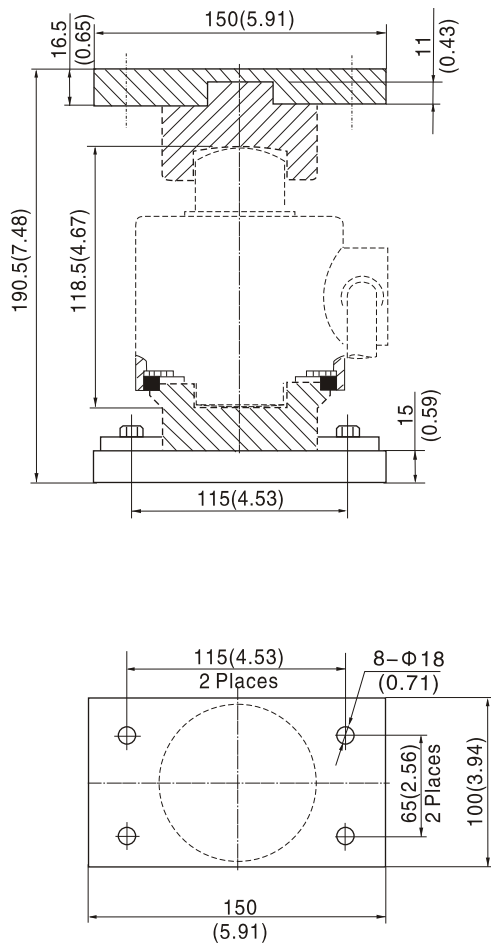
# HM-14-403

**Capacity** 10t-50t  
**Part number** HM-14-403-10/50t

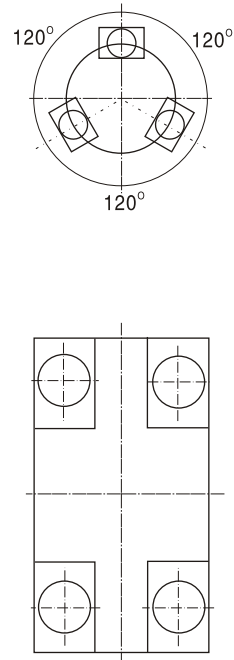
- Features:**
- Compact construction, easy installation
  - With self-aligning ability



Outline Dimension mm(inch)



Installation



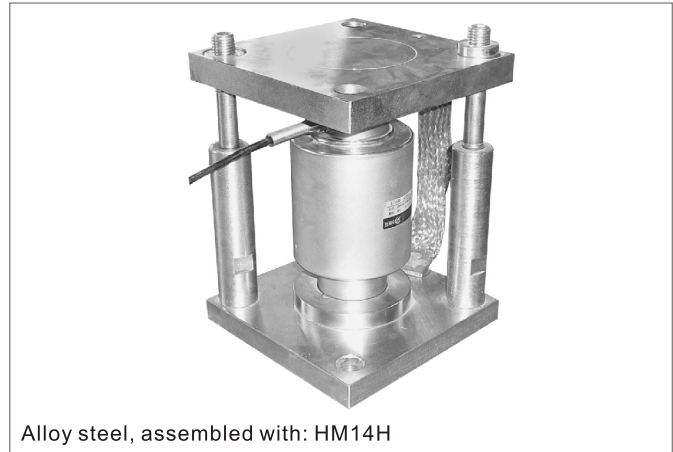
## Accessory

# HM-14-410

Capacity	Model
10t-30t	HM-14-410-10/30t
40t-60t	HM-14-410-40/60t

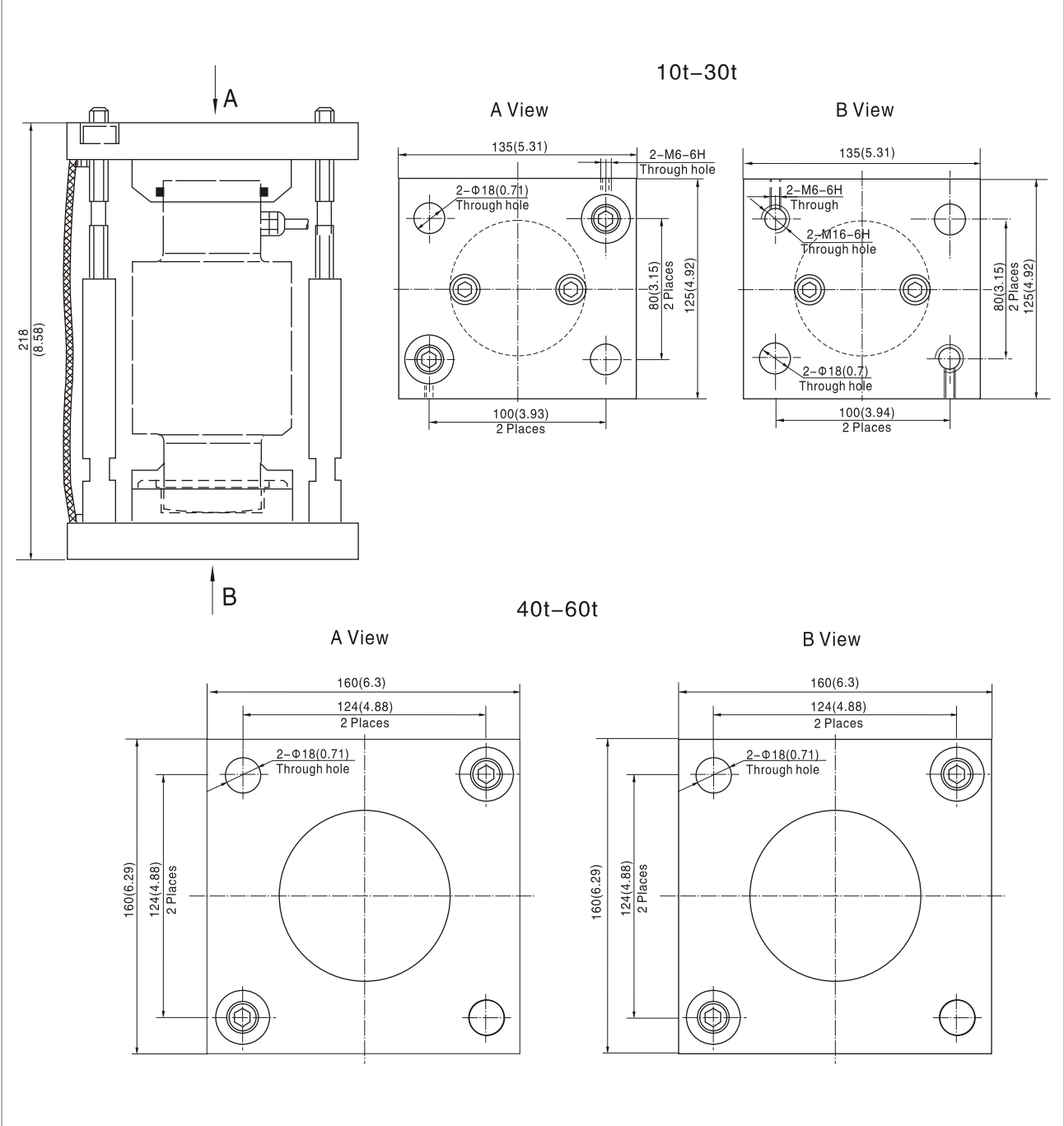
### Features:

- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability



Alloy steel, assembled with: HM14H

### Outline Dimension mm(inch)



Accessory

# BM-14-414

**Capacity**

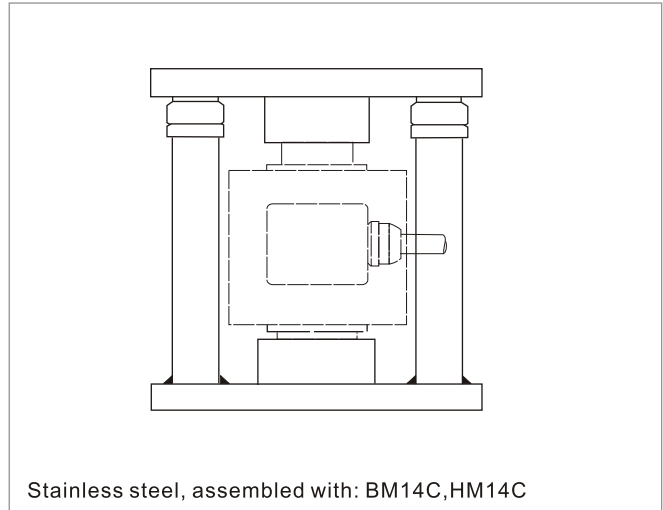
0.5t-5t  
10t-50t

**Model**

BM-14-414-0.5/5t  
BM-14-414-10/50t

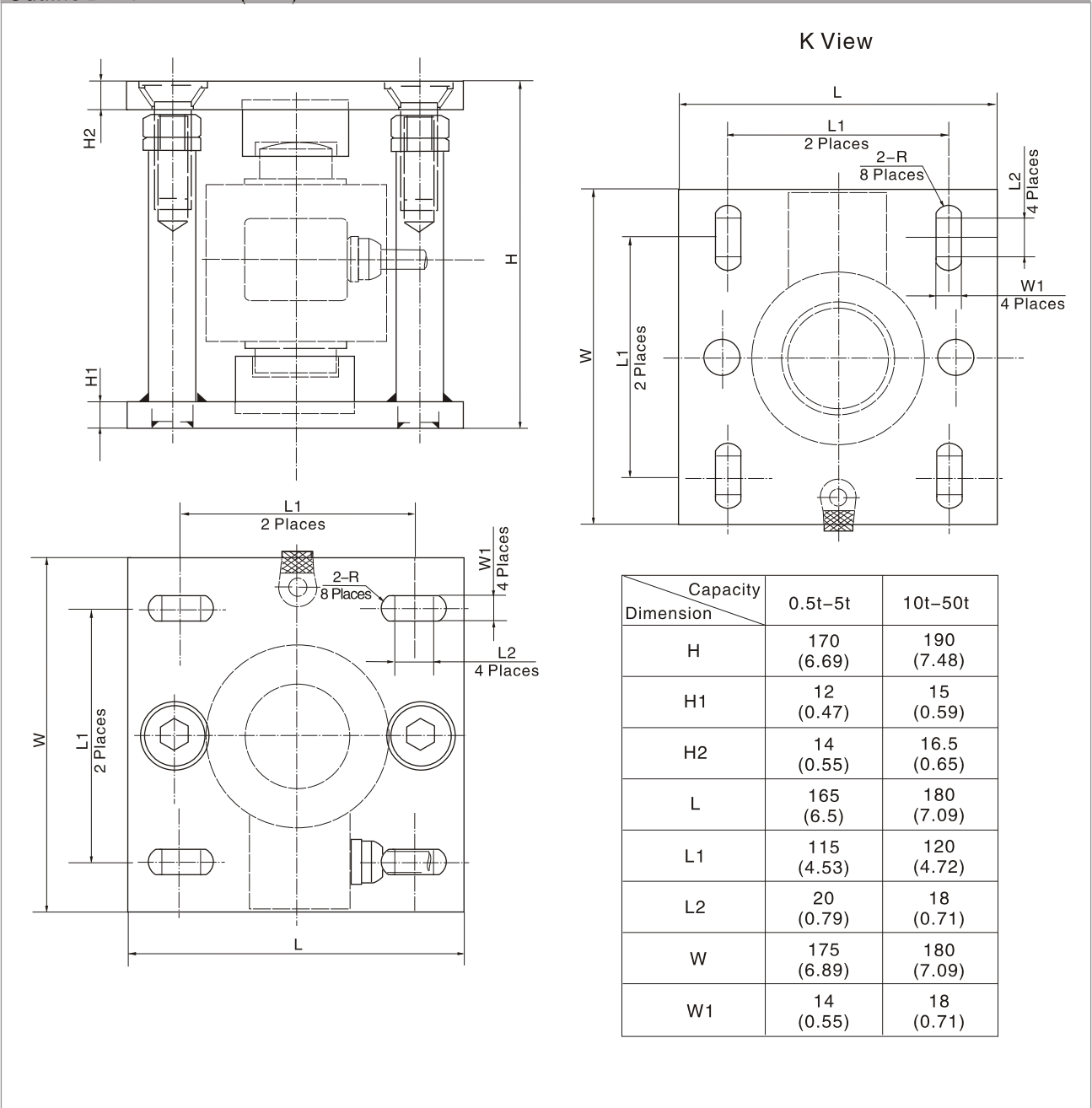
**Features:**

- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability



Stainless steel, assembled with: BM14C, HM14C

Outline Dimension mm(inch)





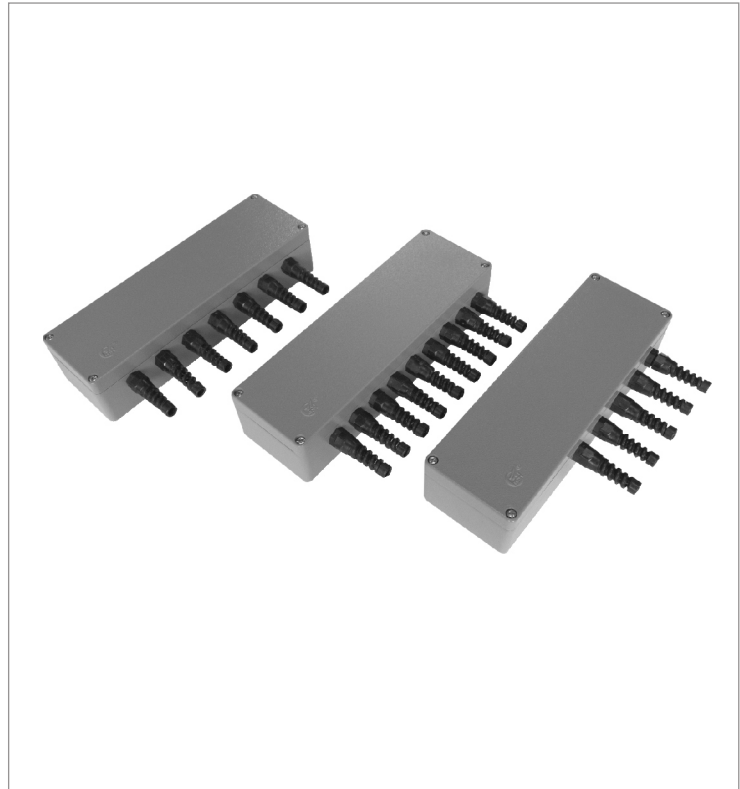
## JB01

### Features:

- Cast aluminum, plastic-sprayed
- Easy to assembly and calibrate, high reliability
- Fully encapsulated, water-proof and moisture proof
- Sensitivity matched adjusting methods
- Operating temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

### Description

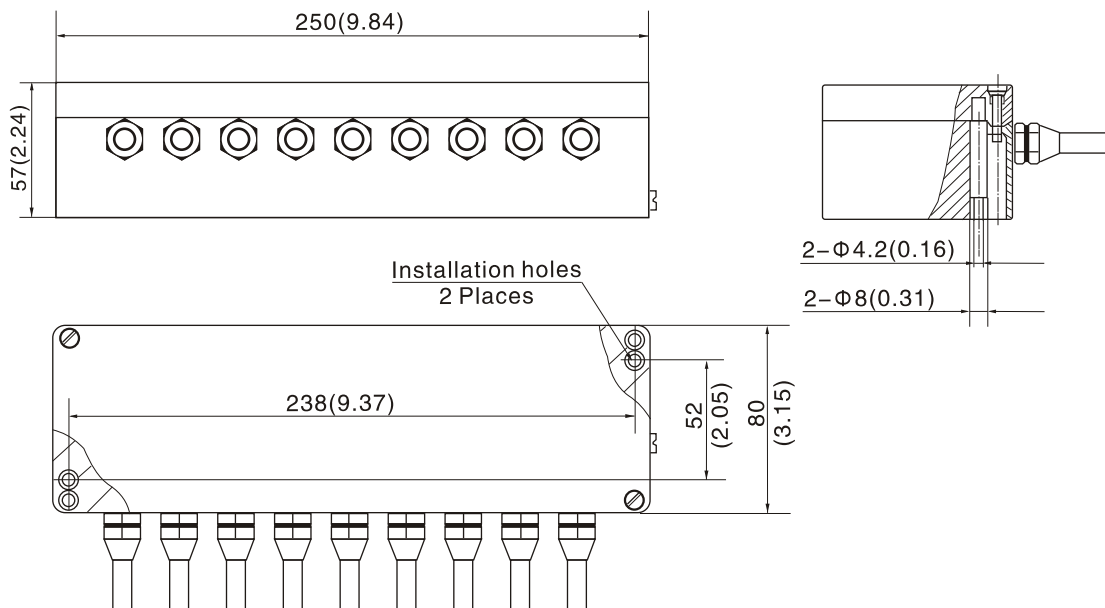
- Specially designed for scales
- This model are available to connect 2 to 8 load cells with 4-wire or 6-wire cable on different requests.



### Optional table

Part number	Channels
JB01-2	2
JB01-3	3
JB01-4	4
JB01-6	6
JB01-8	8

### Outline Dimension mm(inch)



## JB02

### Features:

- Cast aluminum, plastic-sprayed
- Easy to assembly and calibrate, high reliability
- Fully encapsulated, water-proof and moisture proof
- Sensitivity matched adjusting methods
- Operating temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

### Description

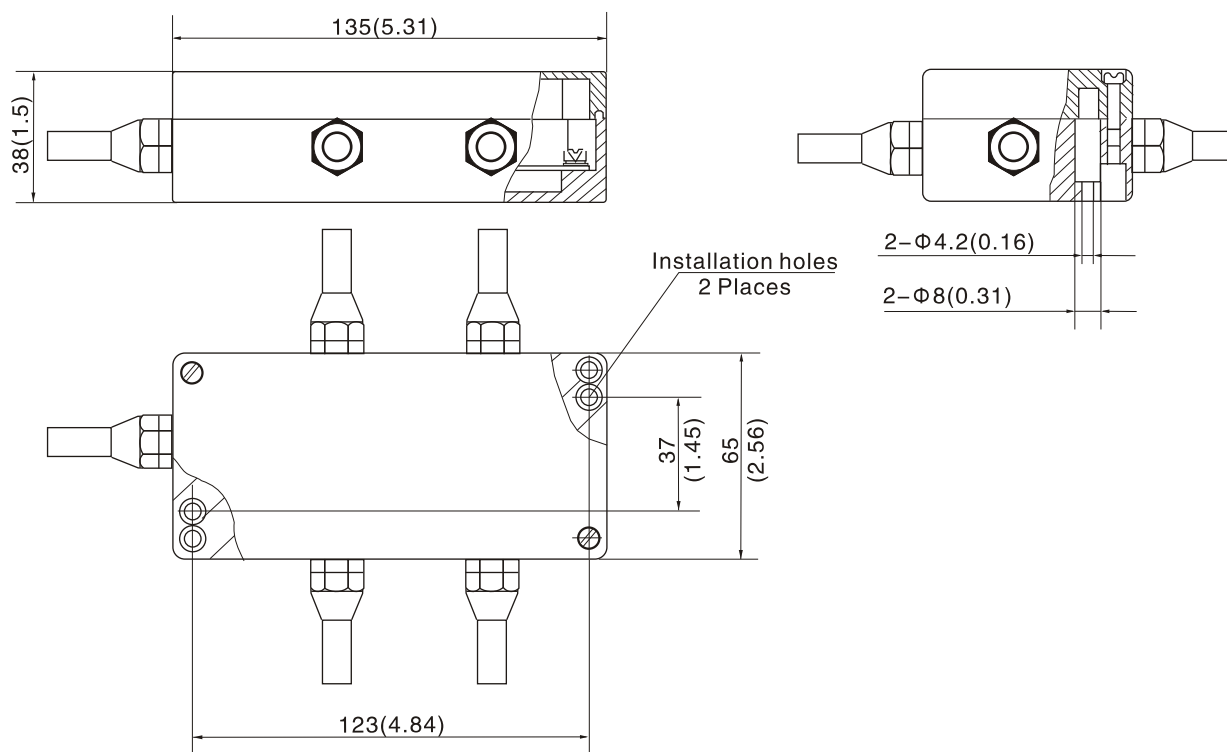
- Specially designed for scales
- This model are available to connect 2 to 4 load cells with 4-wire or 6-wire cable on different requests.

### Optional table

Part number	Channels
JB02-2	2
JB02-3	3
JB02-4	4



### Outline Dimension mm(inch)



## JB05A

### Features

- Cast aluminum, plastic-sprayed
- East to assemble and calibrate, high reliability
- Fully encapsulated, water-proof, moisture proof and lightning protected.
- Surge protection
- Sensitivity matched adjusting method
- Operating temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

### Description

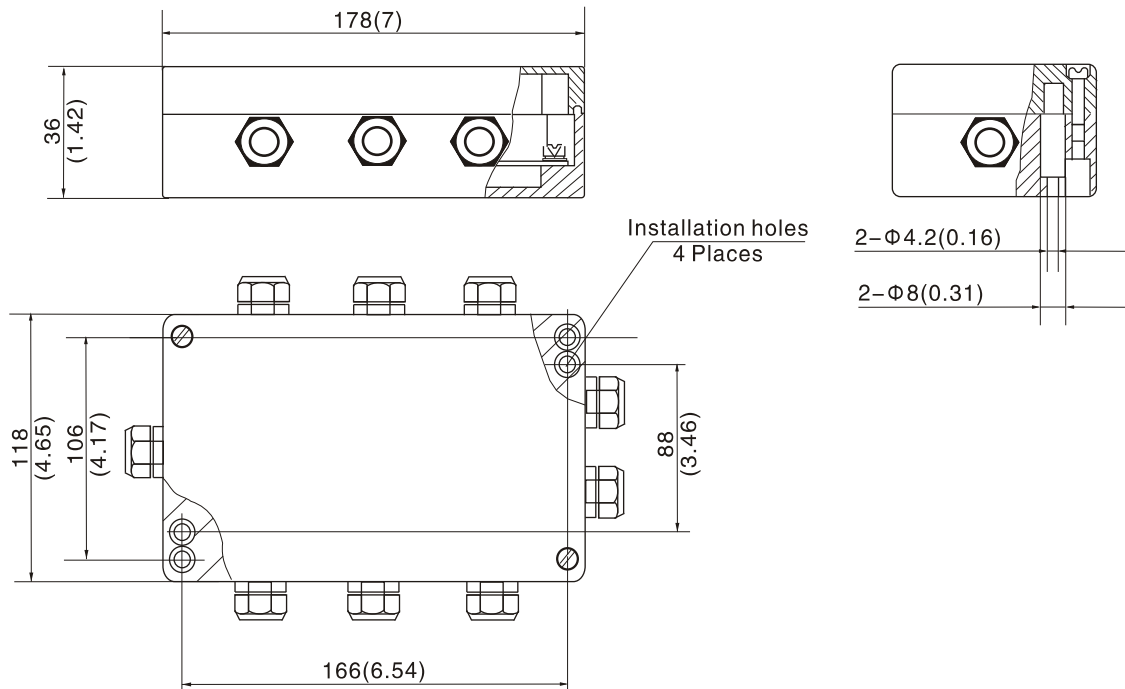
- Specially designed for scales
- This model are available to connect 4 to 8 load cells with 4-wire cable on different requests.



### Optional table

Part number	Channels
JB05A-4	2
JB05A-6	3
JB05A-8	4

### Outline Dimension mm(inch)



## JB06

### Features

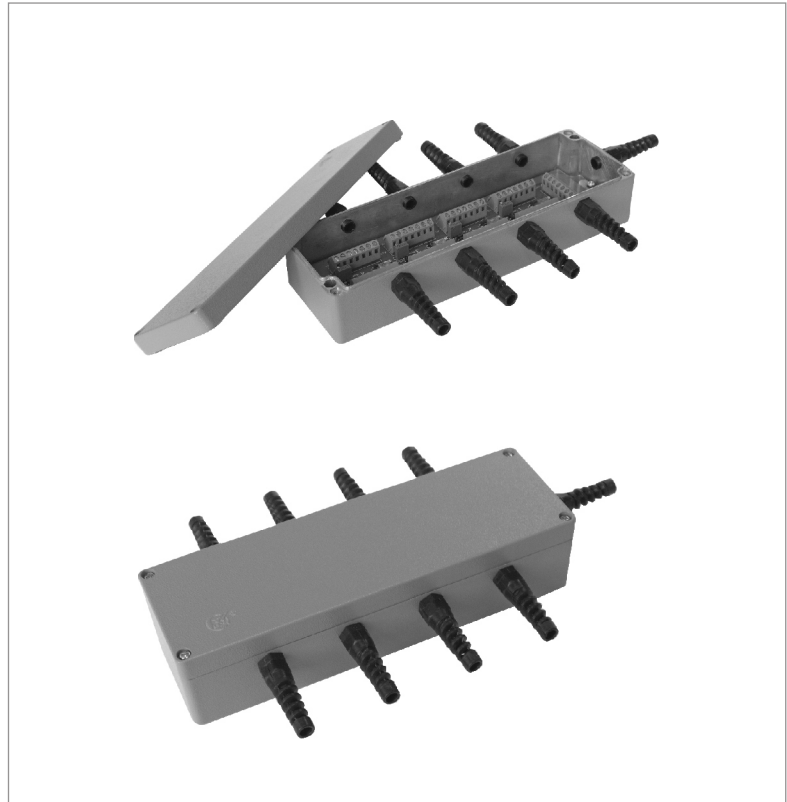
- Cast aluminum, plastic-sprayed
- East to assemble and calibrate, high reliability
- Fully encapsulated, water-proof, moisture proof and lightning protected.
- Surge protection
- Sensitivity matched adjusting method
- Operating temperature: -40℃ ~ +85℃

### Description

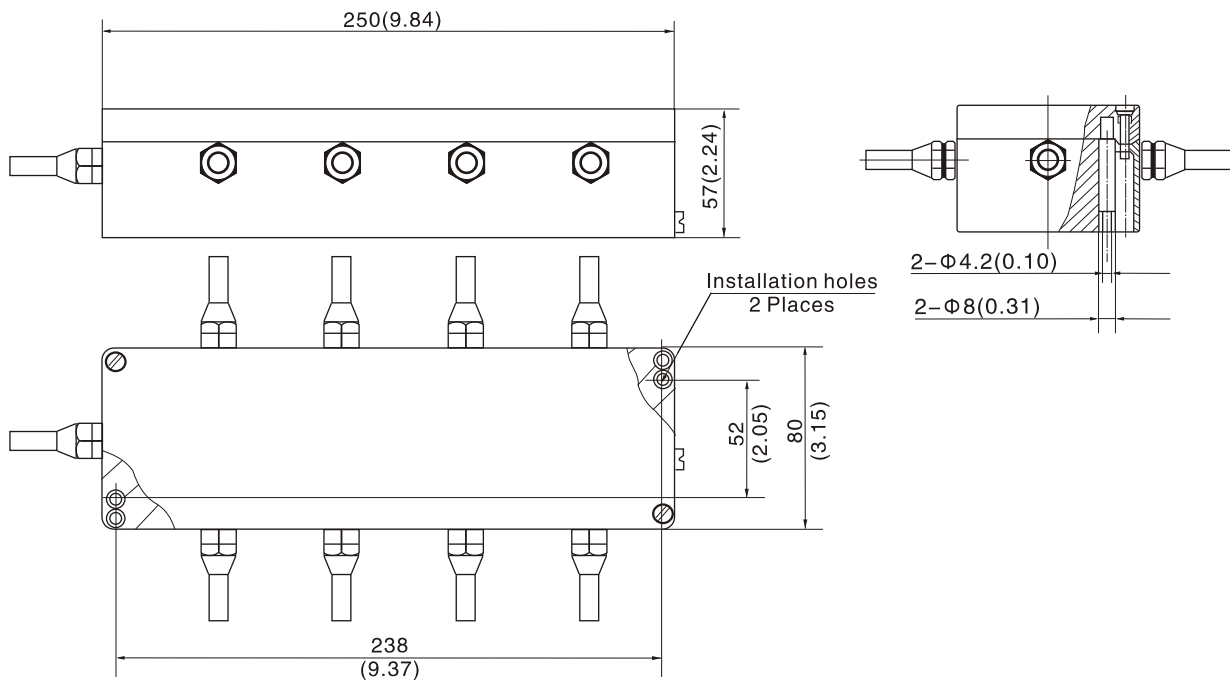
- Specially designed for scales
- This model are available to connect 2 to 8 load cells with 4-wire or 6-wire cable on different requests.

### Optional table

Part number	Channels
JB06-2	2
JB06-3	3
JB06-4	4
JB06-6	6
JB06-8	8



### Outline Dimension mm(inch)



## JB07

### Features

- Cast aluminum, plastic-sprayed
- Easy to assemble and calibrate, high reliability
- Fully encapsulated, water-proof, moisture proof and lightning protected.
- Surge protection
- Sensitivity matched adjusting method
- Operating temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

### Description

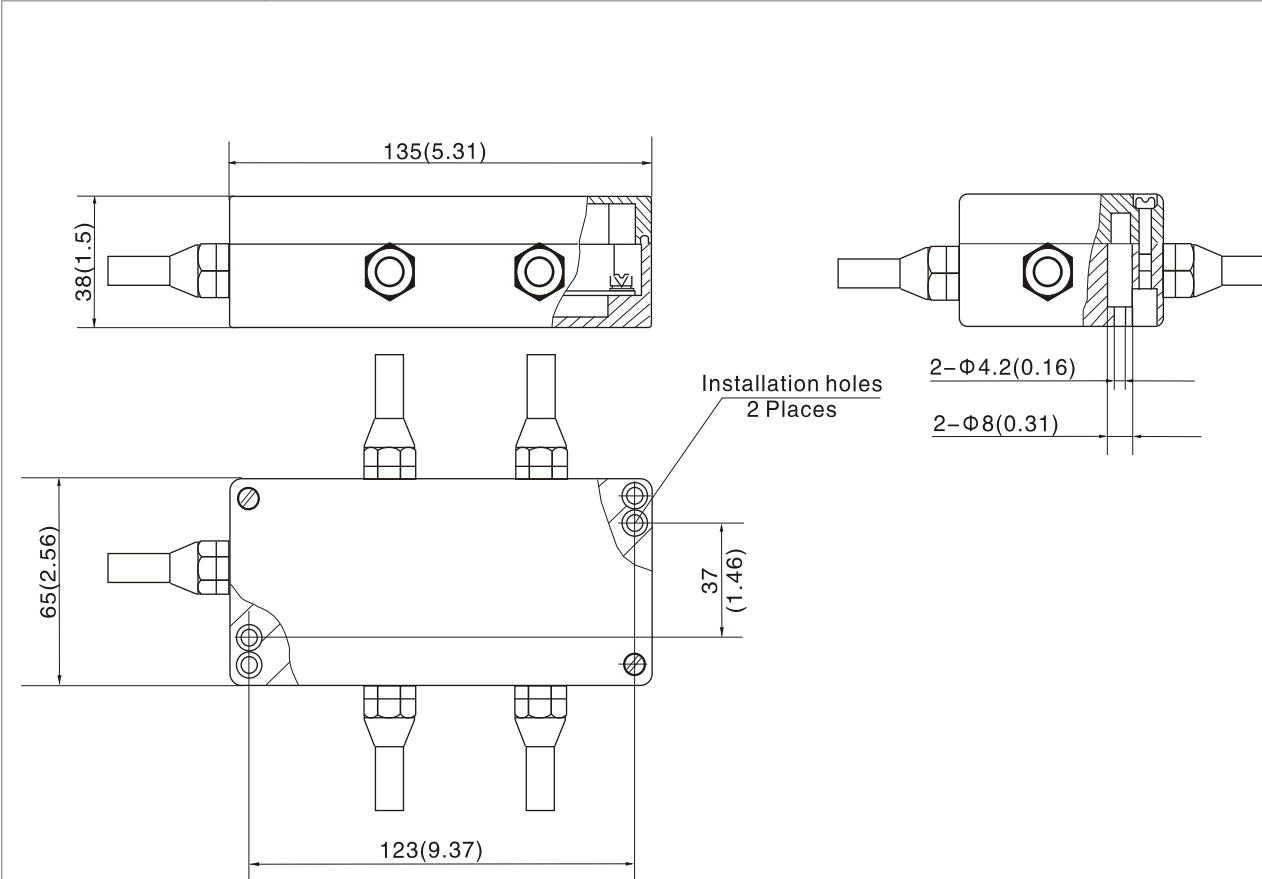
- Specially designed for scales
- This model are available to connect 2 to 4 load cells with 4-wire or 6-wire cable on different requests.



### Optional table

Part number	Channels
JB07-2	2
JB07-3	3
JB07-4	4

### Outline Dimension mm(inch)



# Transmitter

## FD-3

### Features

- Adjustable stable voltage
- Voltage counter-connection protection
- Zero adjustable resistors can be outer connected
- Terminal tabs connection
- Protection class: IP65

### Specifications (current output):

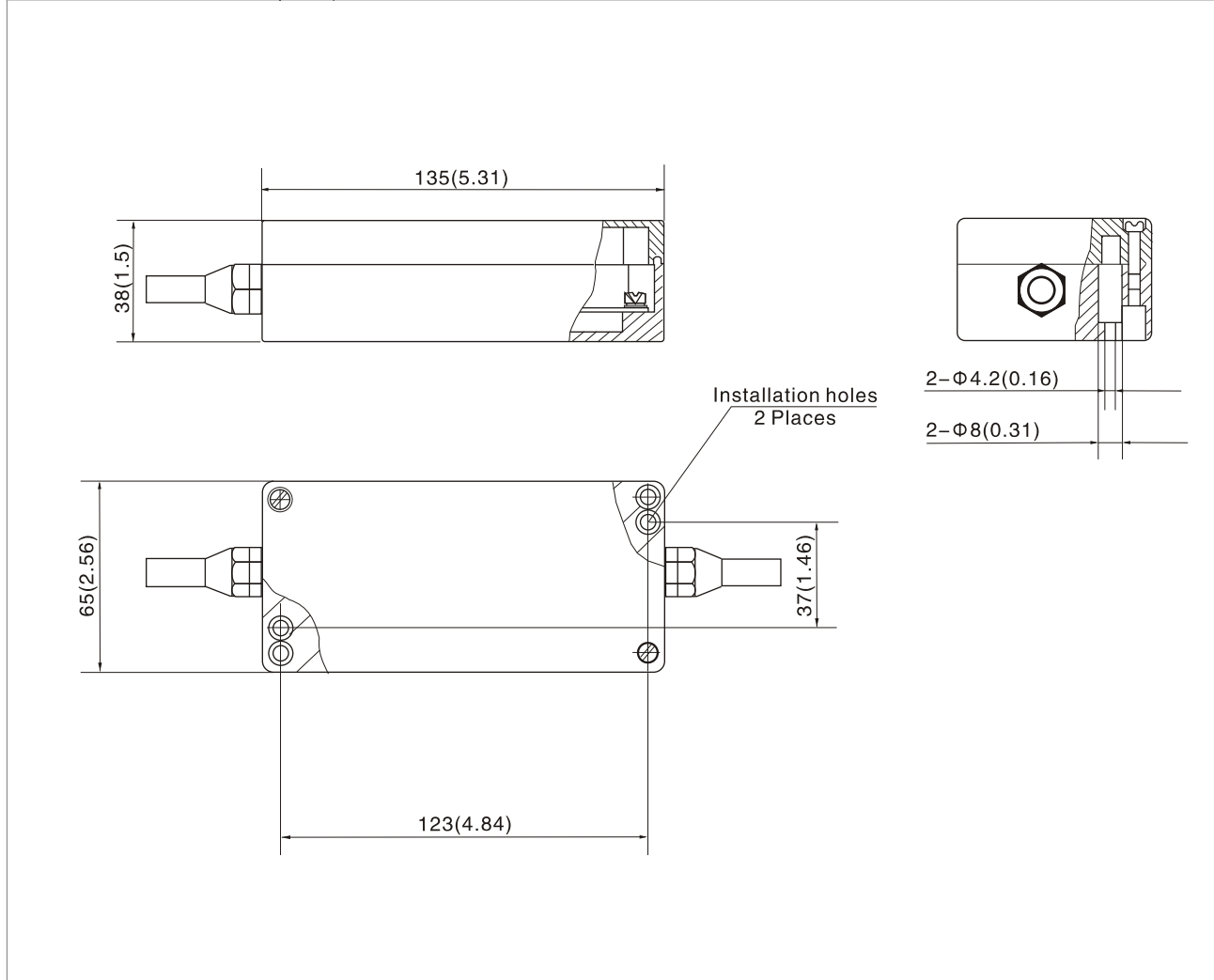
- Supply voltage: DC 12V, 15V, 24V
- Output: 4-20mA (or 0-10mA, 0-20mA)
- Load resistance:  $\geq 500 \Omega$  (24V/h)
- Accuracy: better than 0.1%F.S
- Operating temperature:  $-20^{\circ}\text{C} \sim +85$

### Specifications (voltage output):

- Supply voltage: DC 12V, 15V, 24V
- Output: 0-5VDC  
(Or 1-5VDC, 0-10VDC,  $0 \pm 5\text{VDC}$ )
- Accuracy: better than 0.02%F.S
- Load resistance  $\geq 500 \Omega$
- Operating temperature:  $-20^{\circ}\text{C} \sim +85$



### Outline Dimension mm(inch)





## FD-4

### Features

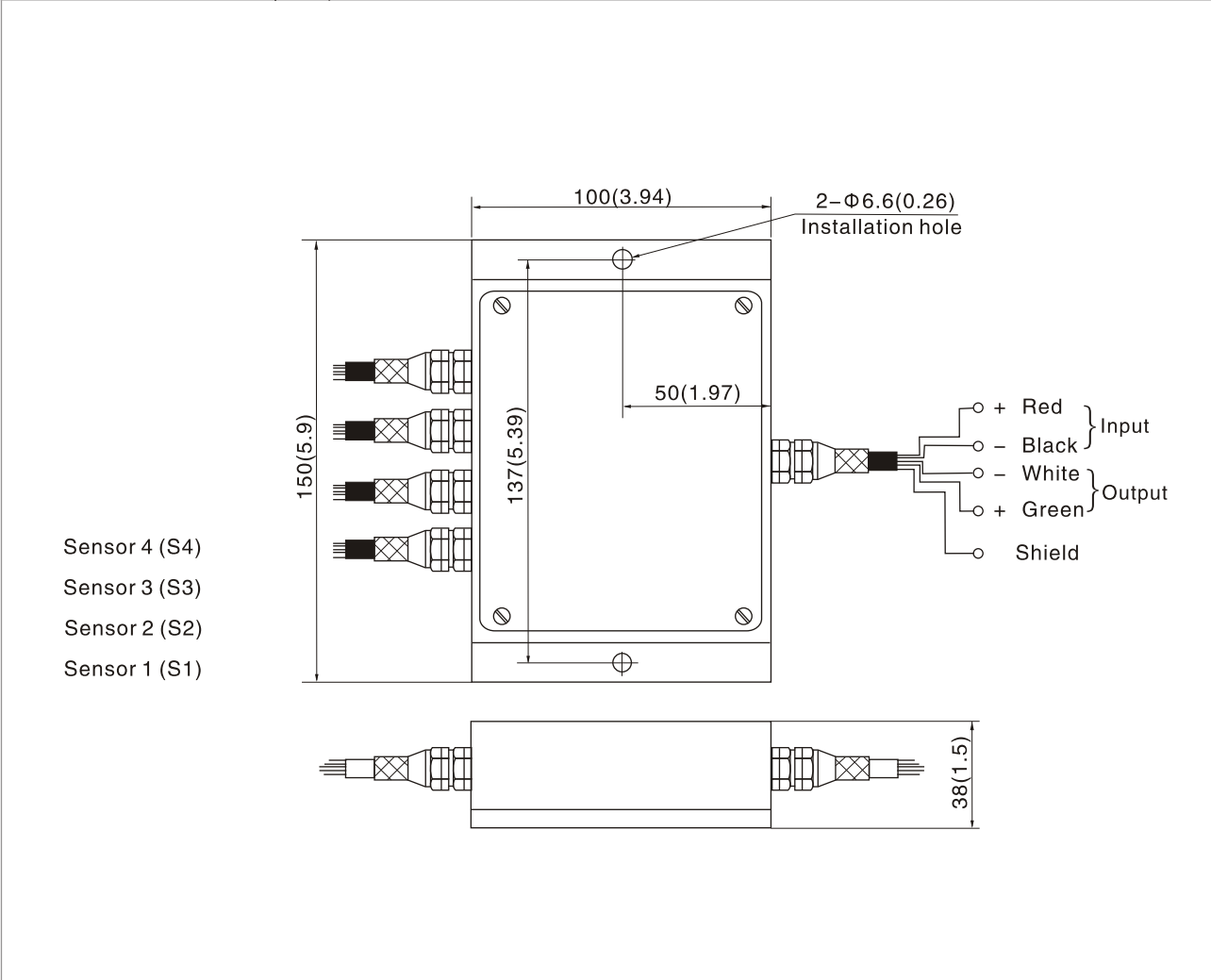
- Connection for 2 to 4 load cells
- Voltage counter-connection protection
- Easy to assemble and calibrate, high reliability
- Excellent water-proof ability
- Voltage or current output signal

### Specifications

- Supply voltage: DC 12V, 15V, 24V
- Output: 0-10mA 4-20mA  
0-5VDC 1-5VDC
- Accuracy: better than 0.1%F.S
- Load resistance  $\leq 350\Omega$  (current output)  
 $\geq 500\Omega$  (voltage output)
- Operating temperature:  $-20^{\circ}\text{C} \sim +85$
- Protection class: IP65



### Outline Dimension mm(inch)



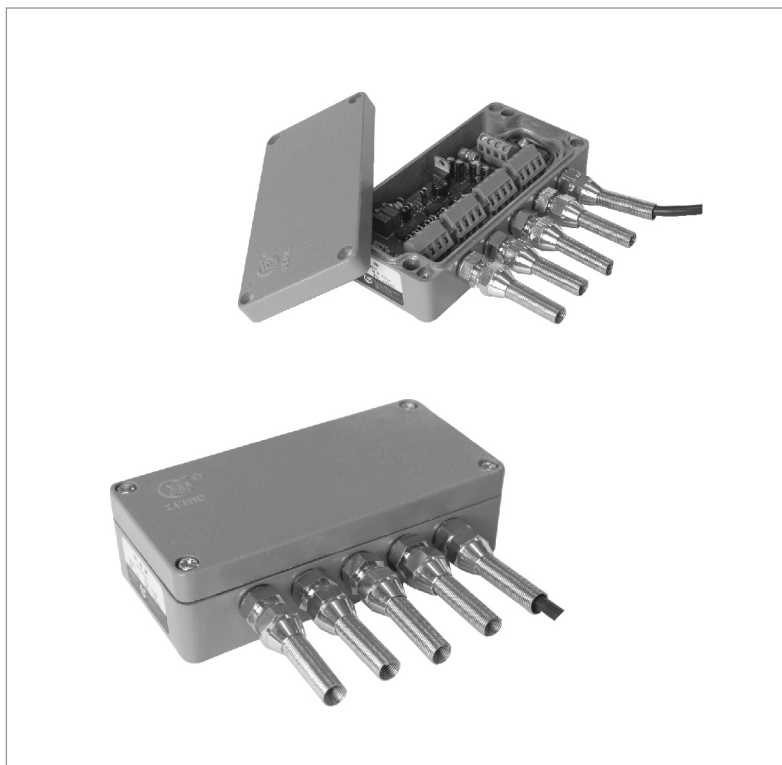
## FD-5

### Features

- Connection for 2 to 4 load cells
- Surge protection
- Voltage counter-connection protection
- Voltage or current output signal
- Terminal tabs connection
- The installation holes on the cover making it easily to be fixed on the platform.

### Specifications

- Supply voltage: DC 15V,
- Output: 0-10mA 4-20mA  
0-5VDC 1-5VDC
- Accuracy: better than 0.1%F.S
- Load resistance  $\leq 500 \Omega$  (current output)  
 $\geq 500 \Omega$  (voltage output)
- Operating temperature:  $-20^{\circ}\text{C} \sim +85$
- Protection class: IP65



### Outline Dimension mm(inch)

