

MT Technologies

Weighing, Measuring and Analysing

www.mttech.co.nz

Freephone 0800 463 885

Mettler Toledo Load Cell/Weigh Module Catalogue

Feb 09

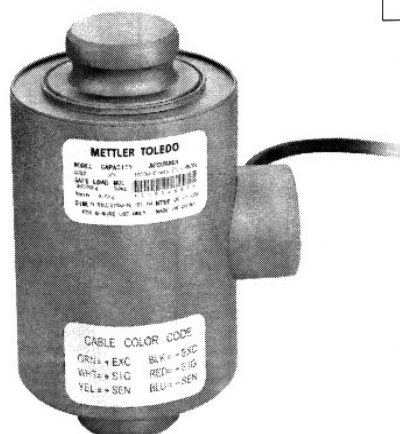


MT Technologies offers a full range of analog and digital **Mettler Toledo** load cells for use in everything from simple scale applications to high-speed, in-motion weighing.

Our technical support specialists can help you select the right product for your weighing application.

Email: info@mttech.co.nz – Free Phone: (NZ) 0800 463 885 - Fax: (07) 929 2820

0782 Load cell, 20t~100t, self restoring rocker pin



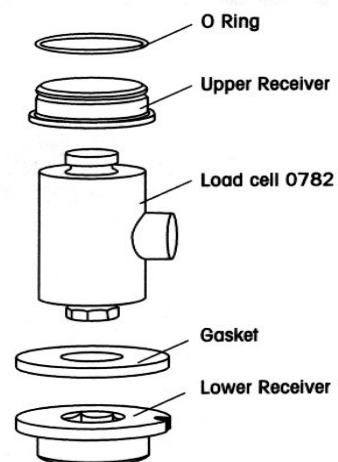
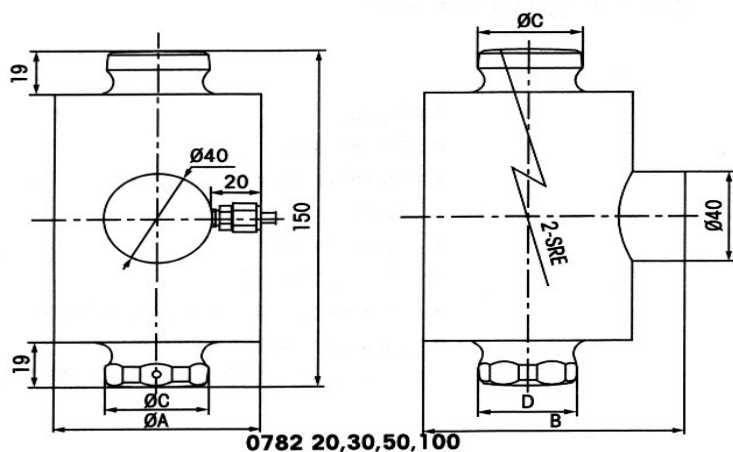
Features:

- OIML R60 C3 approved
- NTEP 10000 III-L approved
- Stainless steel
- Protection class IP68 as hermetically sealed
- Patent rocker pin design for self restoring and anti-rotation
- Low self-weight and easy installation
- Excellent durability
- Available on request of EEx ib IIC T4
- Optionally available with service temperature range up to 200°C (413°F).

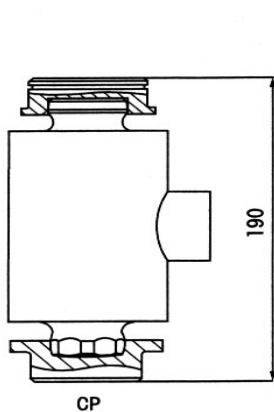
Specification

Rated capacity	t	20,30,50,100
Rated output	mV/V	2 ± 0.002
Non repeatability	%R.O.	≤ 0.01
Hysteresis	%R.O.	≤ ± 0.02
Non linearity	%R.O.	≤ ± 0.01
Creep(30min)	%R.O.	≤ ± 0.02
Zero balance	%R.O.	≤ ± 1
Temp. Compensated range	°C	-10~+40
Operating temp. Range	°C	-30~+65
Temp. coefficient on output	%Load/°C	≤ ± 0.002
Temp. coefficient on zero balance	%R.O./°C	≤ ± 0.002
Input resistance	Ω	1160 ± 10
Output resistance	Ω	1000 ± 3
Insulation resistance	MΩ	5000(at 50 VDC)
Recommended voltage	V(DC/AC)	5~15
Max. excit. voltage	V(DC/AC)	20
Safe overload	%R.C.	125
Ultimated overload	%R.C.	300
Protection class		IP68
Cable length	m	13

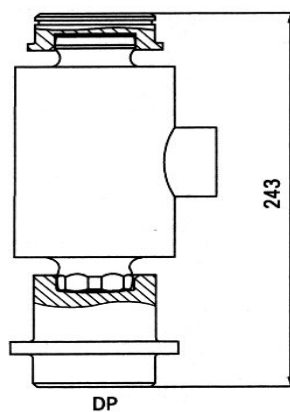
- 1) For the cable color code of 0782 load cell please refer to our data sheet SB...
- 2) The date for deviation of non linearity, hysteresis and temperature effect on rated output are typical values, the sum of these data meets the requirements according to OIML R60.



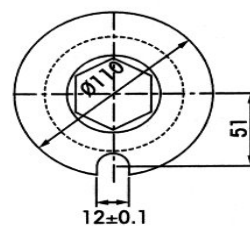
Capacity(t)	$\varnothing A$	B	$\varnothing C$	D	SRE
20,30	76	102	37.8	35.5	160
50	76	102	37.8	35.5	305
100	102	122	53.8	50.6	305



Assembly with receiver CP

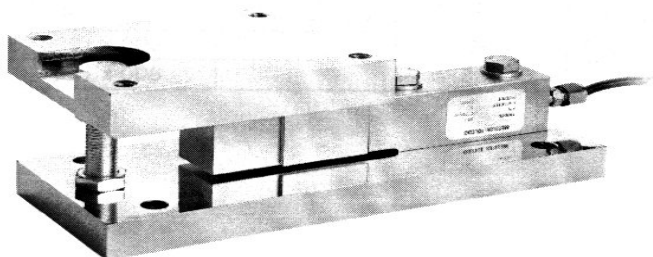


Assembly with receiver DP



View from the assembly bottom

0938 Flexmount Weigh module for 500kg~20t

**Features:**

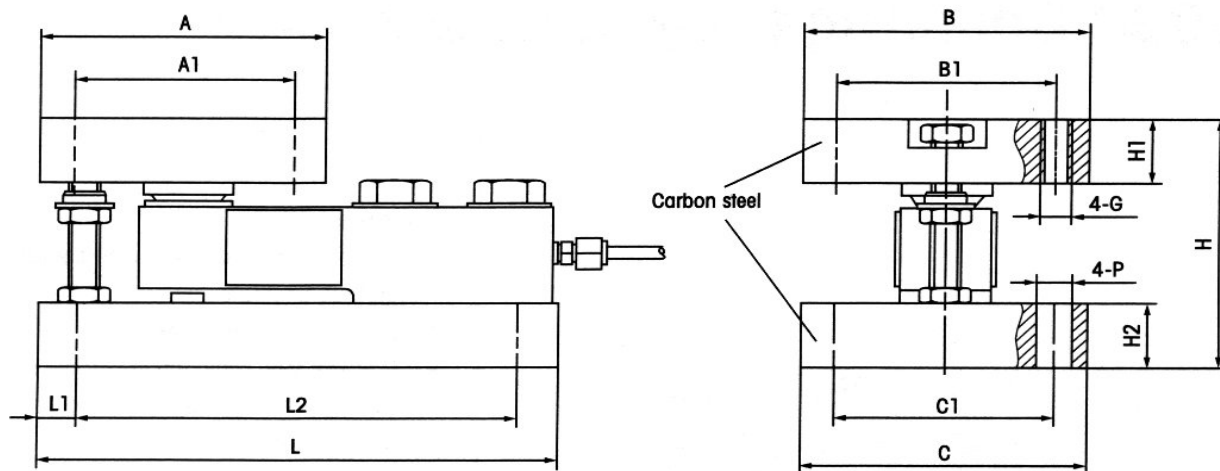
- Unique structure, attached expediently to various tanks
- Three top plate designs allow for the thermal expansion and contraction of the tank
- Hold-down bolt, protect tank from tipping
- Alloy steel with nickel plated
- Easy installation
- Maintenance free

Specification

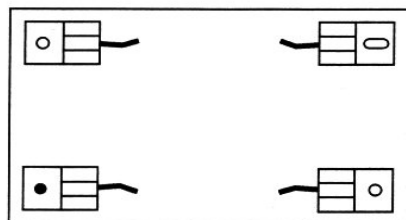
Load cell		SB		
Rated capacity	t	0.5,1,2,5	10	20
Rated output	mV/V	2 ± 0.002		
Safe overload	%R.C.	150		
Ultimated overload	%R.C.	300		
Protection class		IP67		
Cable length	m	4	5	10

The hole pattern and material for the lower and upper module plates can be modified on request.

For additional information on the appropriate load cells please refer to our data sheet SB...



Capacity(t)	L	L1	L2	A	A1	B	B1	C	C1	H	H1	H2	G	P
0.5,1,2	286	32	226	150	124	128	102	112	80	102	28	23	M12	Ø13
5	317.5	32	257	178	146	152	120	152	102	130	38	30	M16	Ø17
10	360	32	295	184	152	154	122	154	106	168	45	45	M20	Ø21
15,20	400	25	350	220	170	220	170	220	170	213	55	55	M24	Ø26



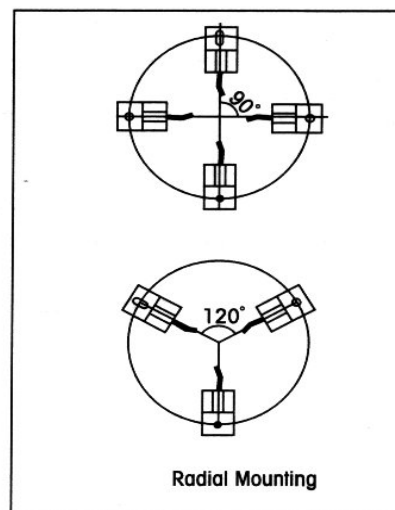
Rectangular or Square Mounting



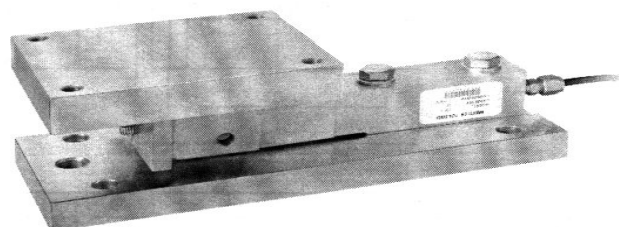
Fixed Pin

Semi-Floating Pin

Full Floating Pin



0938 Centerlign Weigh module for 500kg~20t



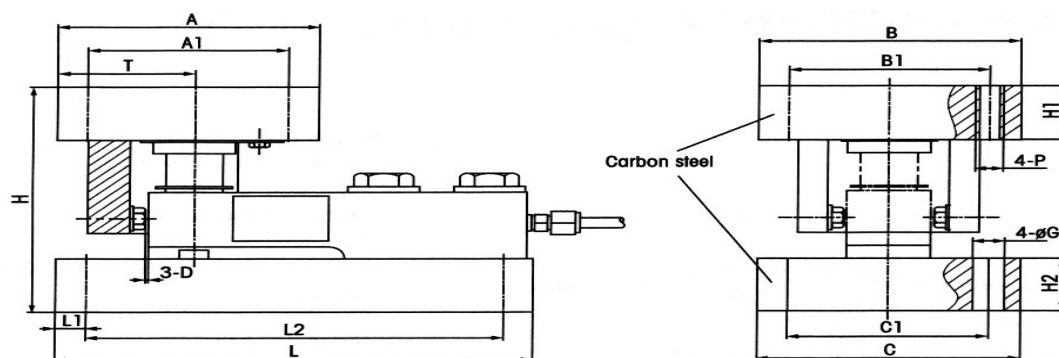
Features:

- Self-restoring rocker pin, keep correct weighing position
- Adjustable bumper bolts
- Alignment tool, maintain the proper space and alignment of weigh module
- Alloy steel with nickel plated
- Easy installation
- Maintenance free

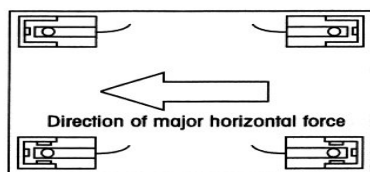
Specification				
Load cell		SB		
Rated capacity	t	0.5, 1, 2, 5	10	20
Rated output	mV/V	2 ± 0.002		
Safe overload	%R.C.	150		
Ultimated overload	%R.C.	300		
Protection class		IP67		
Cable length	m	4	5	10

The hole pattern and material for the lower and upper module plates can be modified on request.

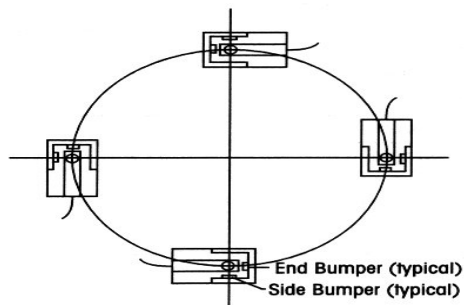
For additional information on the appropriate load cells please refer to our data sheet SB...



Capacity(t)	L	L1	L2	A	A1	B	B1	C	C1	H	H1	H2	T	P	ØG	D
0.5,1,2	286	32	226	150	124	128	102	112	80	106.9	28	23	96	M10	13	1.6
5	317.5	32	257	178	146	152	120	152	102	146.2	38	30	99	M16	17	1.6
10	360	32	295	184	152	154	122	154	106	215.7	45	45	105	M20	21	3
15,20	400	25	350	220	170	220	170	220	170	255.7	55	55	115	M24	26	3



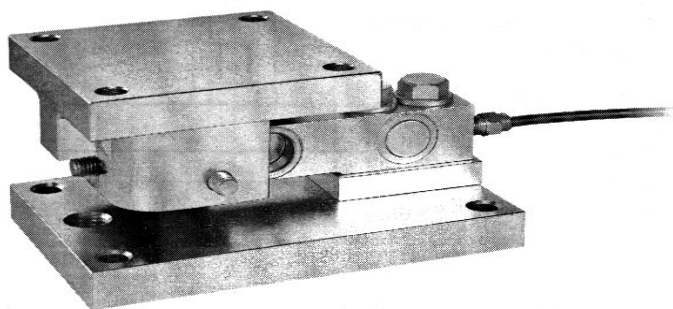
Rectangular or Square Mounting



Tangential Mounting

Note: When only two weigh modules are used for bumping, both weigh modules should be on the same side of the scale.

0948 Centerlign Weigh module for 250kg~5t

**Features:**

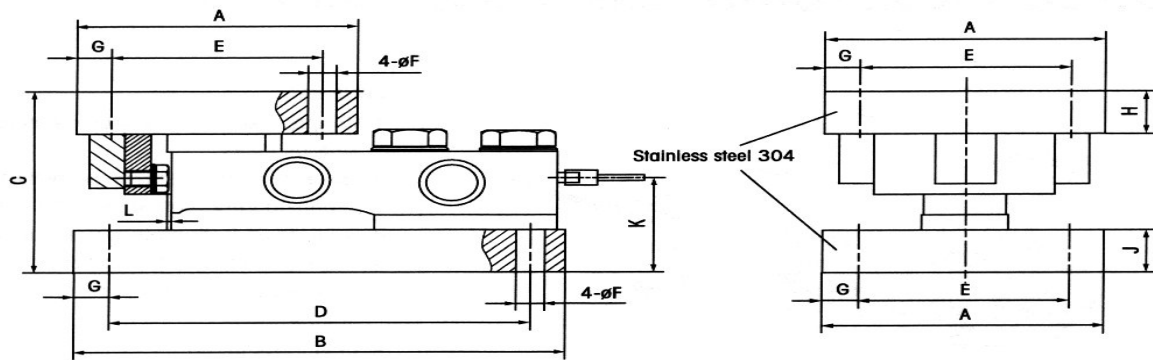
- SBH hermetically sealed stainless steel load cell
- Meet OIML C3 approval
- Stainless steel plates
- Adjustable bumper bolts
- Protection class IP68
- Alignment tool, maintain the proper space and alignment of weigh module
- Ideal for dynamic loading applications
- Easy installation
- Maintenance free

Specification

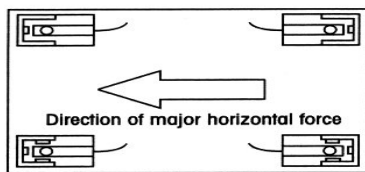
Load cell		SBH
Rated capacity	kg	250,500,1000,2000,5000
Rated output	mV/V	2 ± 0.002
Safe overload	%R.C.	150
Ultimated overload	%R.C.	300
Protection class		IP68
Cable length	m	3.1(5m for 5000kg)

The hole pattern and material for the lower and upper module plates can be modified on request.

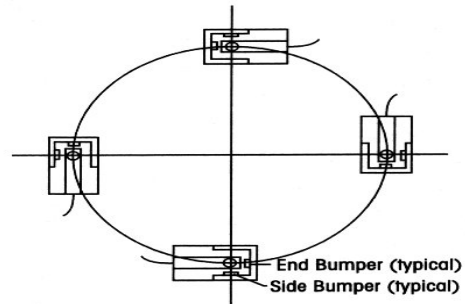
For additional information on the appropriate load cells please refer to our data sheet SBH...



Capacity(l)	A	B	C	D	E	ØF	G	H	J	K	L
0.25-2	114.3	177.8	104.8	152.4	88.9	11	12.7	19	19	50.8	1.6
5	152.4	235	136.5	184.2	101.6	17.5	25.4	31.8	25.4	65.1	1.6



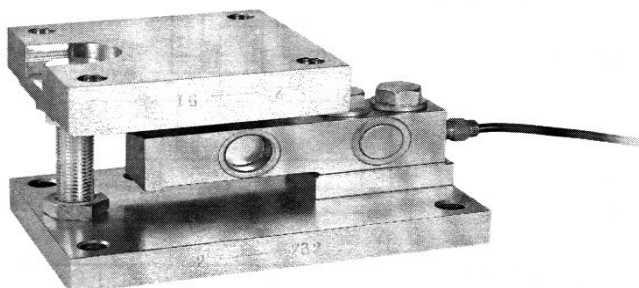
Rectangular or Square Mounting



Tangential Mounting

Note: When only two weigh modules are used for bumping, both weigh modules should be on the same side of the scale.

0948 Flexmount Weigh module for 250kg~5t



Features :

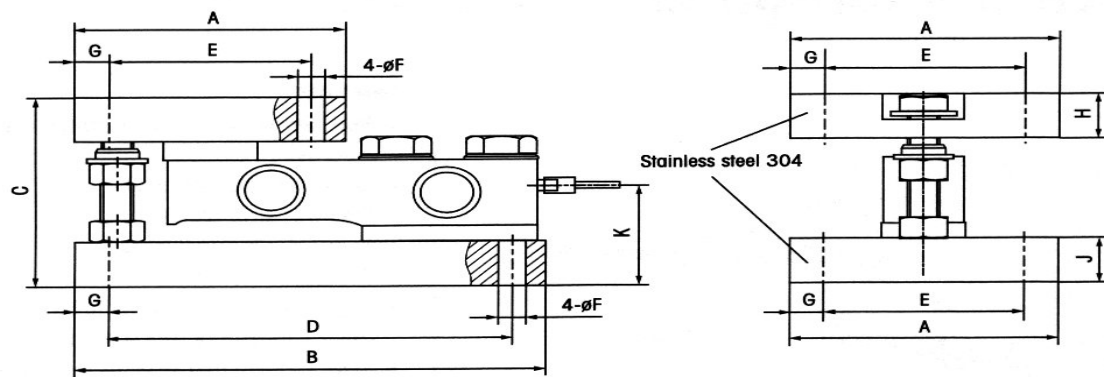
- SBH hermetically stainless steel load cell
- Meet OIML C3 approval
- Stainless steel plates
- Protection class IP68
- Ideal for tank or other weighing equipment applications
- Easy installation
- Maintenance free

Specification

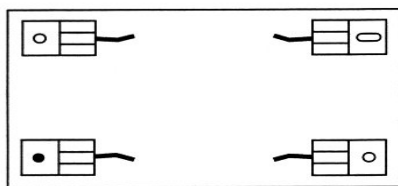
Load cell		SBH
Rated capacity	kg	250,500,1000,2000,5000
Rated output	mV/V	2 ± 0.002
Safe overload	%R.C.	150
Ultimated overload	%R.C.	300
Protection class		IP68
Cable length	m	3.1 (5m for 5000kg)

The hole pattern and material for the lower and upper module plates can be modified on request.

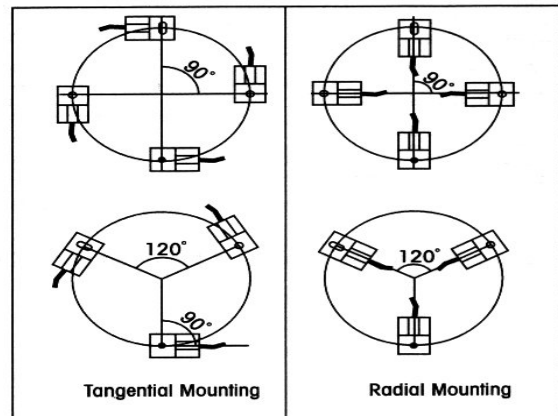
For additional information on the appropriate load cells please refer to our data sheet SBH...



Capacity(t)	A	B	C	D	E	ØF	G	H	J	K
0.25-2	114.3	177.8	104.8	152.4	88.9	11	12.7	25.4	19	50.8
5	152.4	235	136.5	184.2	101.6	17.5	25.4	31.8	25.4	65.1

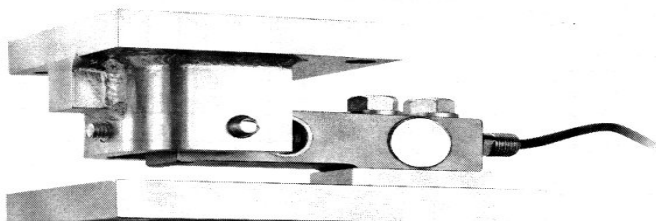


Rectangular or Square Mounting



Note: 0948 Flexmount assemblies have top plates that can be turned 90 degrees to handle tangential or radial mounting arrangement.

0958 Centerlign Weigh module for 250kg~20t



Features:

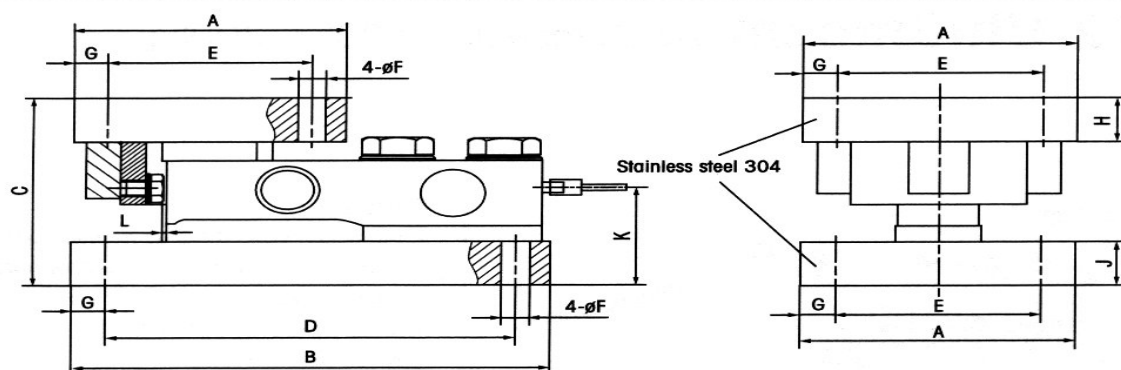
- Self-restoring rocker pin, keep correct weighing position
- Adjustable bumper bolts
- Protection class IP68 as hermetically sealed stainless steel load cell for harsh environments
- Alignment tool, maintain the proper space and alignment of weigh module
- Easy installation
- Maintenance free

Specification

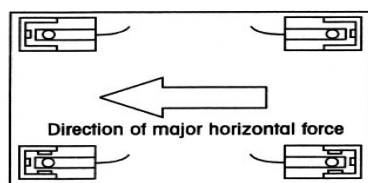
Load cell		745	743	743
Rated capacity	t	0.25,0.5,1,2,5	10,15	20
Rated output	mV/V	2.0 ± 0.002	2.0 ± 0.005	
Non repeatability	%R.O.	≤ 0.01		
Hysteresis	%R.O.	≤ ± 0.02		
Non linearity	%R.O.	≤ ± 0.02		
Creep(30min)	%R.O.	≤ ± 0.02		
Zero balance	%R.O.	≤ ± 1		
Temp. Compensated range	°C	-10~+40		
Operating temp. Range	°C	-15~+85		
Temp. coefficient on output	%R.O./ °C	≤ ± 0.002		
Temp. coefficient on zero balance	%R.O./ °C	≤ ± 0.002		
Input resistance	Ω	≥ 385	380 ± 20	2200 ± 100
Output resistance	Ω	350 ± 2	350 ± 2	2200 ± 20
Insulation resistance	MΩ	≥ 5000 (at 50 VDC)		
Recommended voltage	V(DC/AC)	5~15		
Max. excit. voltage	V(DC/AC)	20		
Safe overload	%R.C.	150		
Ultimated overload	%R.C.	300		
Protection class		IP68		
Cable length	m	4.57(9.14m for 5t)		9.14

1) The hole pattern for the lower and upper module plates can be modified on request.

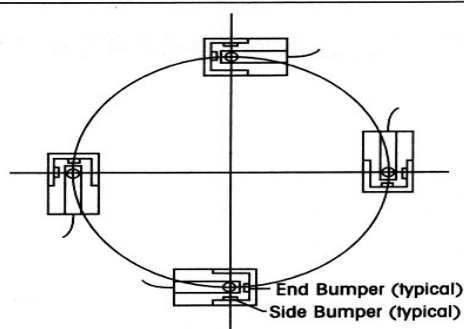
2) The 743 and 745 series load cells are manufactured in Spartanburg SC USA.



Capacity(t)	A	B	C	D	E	ØF	G	H	J	K	L
0.25-2	114.3	177.8	104.8	152.4	88.9	11	12.7	19	19	50.8	1.6
5	152.4	235	136.5	184.2	101.6	17.5	25.4	31.8	25.4	65.1	1.6
10,15	203.2	355.6	190.5	304.8	152.4	20.6	25.4	44.5	44.5	96.8	3
20	228.6	406.4	228.6	342.9	165.1	28.5	31.8	50.8	50.8	114	3



Rectangular or Square Mounting

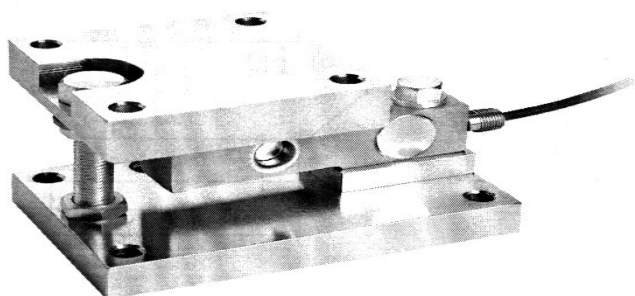


Tangential Mounting

Note: When only two weigh modules are used for bumping, both weigh modules should be on the same side of the scale.

Cable Color	Code
Green	+Excitation
Black	-Excitation
Red	-Signal
White	+Signal
Yellow	Shield

0958 Flexmount Weigh module for 250kg~20t



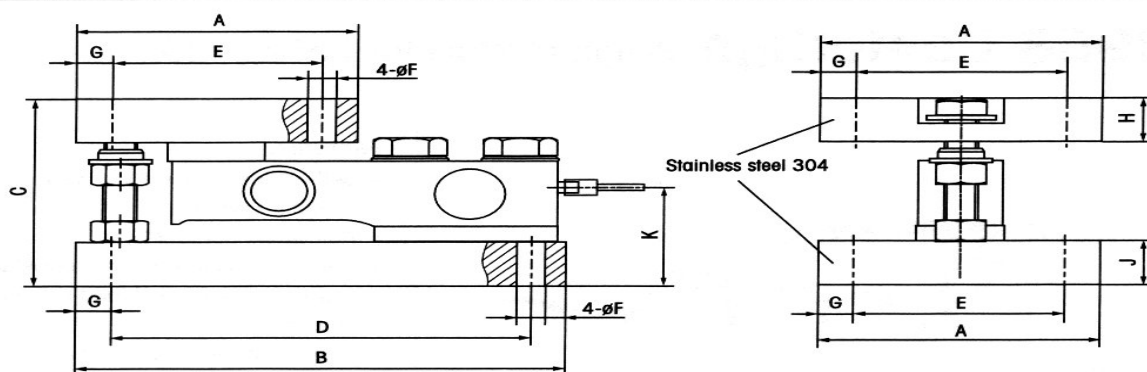
Features:

- Unique structure, attached expediently to various tanks
- Three top plate designs allow for the thermal expansion and contraction of the tank
- Hold-down bolt, protect tank from tipping
- Protection class IP68 as hermetically sealed stainless steel load cell for harsh environments
- Easy installation
- Maintenance free

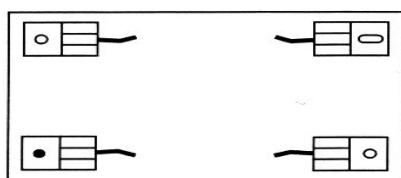
Specification				
Load cell		745	743	743
Rated capacity	†	0.25,0.5,1,2,5	10,15	20
Rated output	mV/V	2.0 ± 0.002	2.0 ± 0.005	
Non repeatability	%R.O.	≤ 0.01		
Hysteresis	%R.O.	≤ ± 0.02		
Non linearity	%R.O.	≤ ± 0.02		
Creep(30min)	%R.O.	≤ ± 0.02		
Zero balance	%R.O.	≤ ± 1		
Temp. Compensated range	°C	-10~+40		
Operating temp. Range	°C	-15~+85		
Temp. coefficient on output	%R.O./°C	≤ ± 0.002		
Temp. coefficient on zero balance	%R.O./°C	≤ ± 0.002		
Input resistance	Ω	≥ 385	380 ± 20	2200 ± 100
Output resistance	Ω	350 ± 2	350 ± 2	2200 ± 20
Insulation resistance	MΩ	≥ 5000 (at 50 VDC)		
Recommended voltage	V(DC/AC)	5~15		
Max. excit. voltage	V(DC/AC)	20		
Safe overload	%R.C.	150		
Ultimated overload	%R.C.	300		
Protection class		IP68		
Cable length	m	4.57(9.14m for 5t)		9.14

1) The hole pattern for the lower and upper module plates can be modified on request.

2) The 743 and 745 series load cells are manufactured in Spartanburg SC USA.



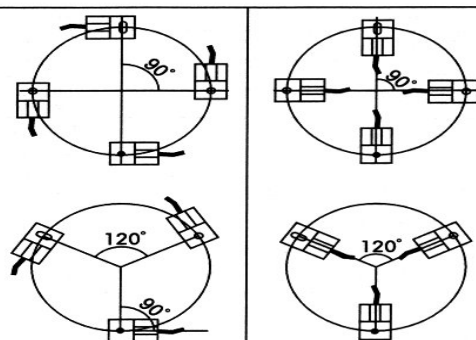
Capacity(l)	A	B	C	D	E	ØF	G	H	J	K
0.25-2	114.3	177.8	104.8	152.4	88.9	11	12.7	25.4	19	50.8
5	152.4	235	136.5	184.2	101.6	17.5	25.4	31.8	25.4	65.1
10,15	203.2	355.6	190.5	304.8	152.4	20.6	25.4	44.5	44.5	96.8
20	228.6	406.4	228.6	342.9	165.1	28.5	31.8	50.8	50.8	114



Rectangular or Square Mounting



Cable Color	Code
Green	+Excitation
Black	-Excitation



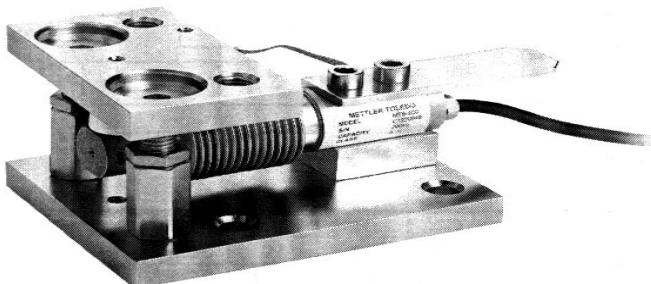
Tangential Mounting

Radial Mounting

Cable Color	Code
Red	-Signal
White	+Signal
Yellow	Shield

Note: 0958 Flexmount assemblies have top plates that can be turned 90 degrees to handle tangential or radial mounting arrangement.

0972 Ultramount Weigh module for 20kg~300kg

**Features:**

- Protection class IP68 as hermetically sealed stainless steel load cell for harsh environments
- Ball and cup suspension, keep correct weighing position
- Jacking bolts, protect tank from tipping
- Ground strap reduces electrical risks
- Easy installation
- Maintenance free

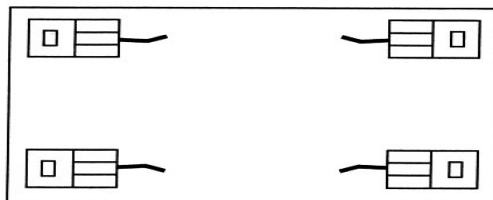
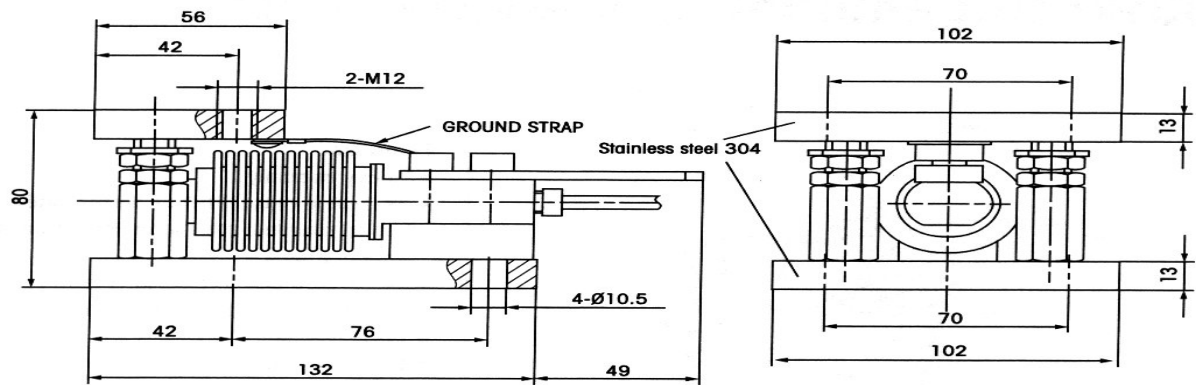
Specification

Load cell		MTB
Rated capacity	kg	20,50,100,200,300
Rated output	mV/V	2 ± 0.002
Safe overload	%R.C.	150
Ultimated overload	%R.C.	300
Protection class		IP68
Cable length	m	3

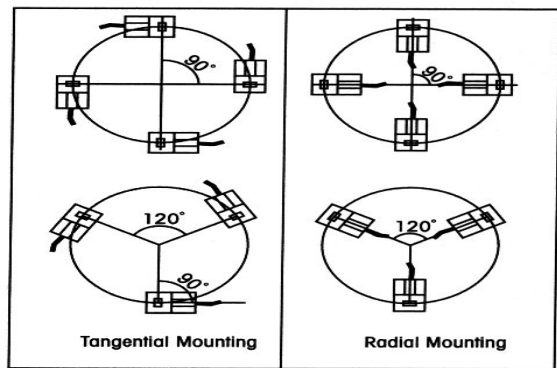
1) The hole pattern and material for the lower and upper module plates can be modified on request.

2) We can offer 0972 Ultramount weigh module 5kg and 10kg.

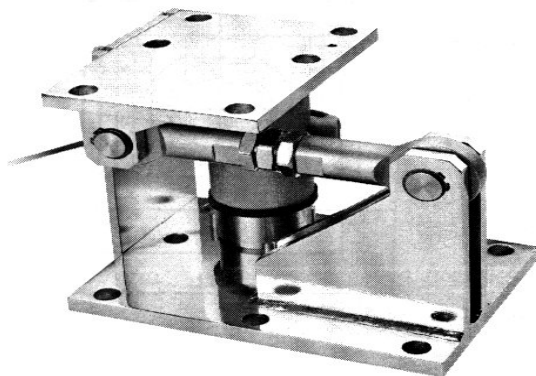
For additional information on the appropriate load cells please refer to our data sheet MTB...



Rectangular or Square Mounting



3390 Gagemount Weigh module for 20t~100t

**Features:**

- Heavy capacity
- Protection class IP68 as hermetically sealed stainless steel load cell for harsh environments
- Hold-down bolt, protect tank from tipping
- Ground strap reduces electrical risks
- Low self-weight
- Easy installation
- Maintenance free

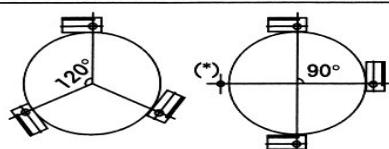
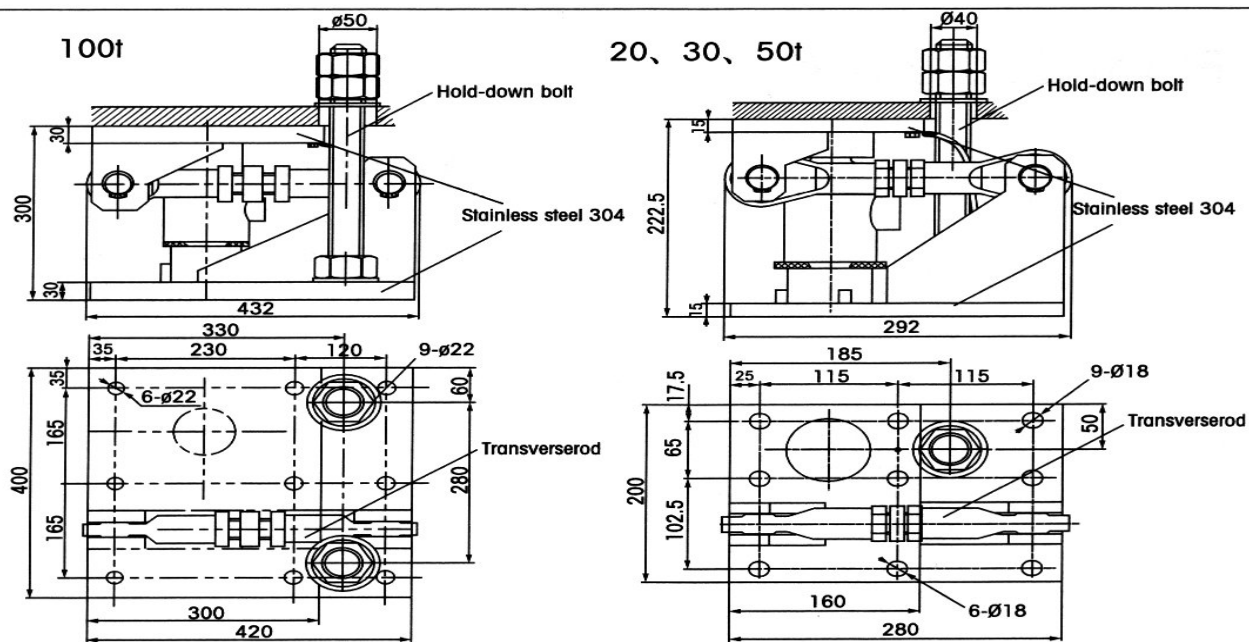
Specification

Load cell		0782
Rated capacity	†	20,30,50,100
Rated output	mV/V	2 ± 0.002
Safe overload	%R.C.	125
Ultimated overload	%R.C.	350
Protection class		IP68
Cable length	m	13

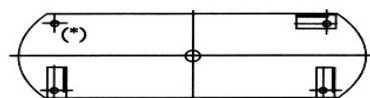
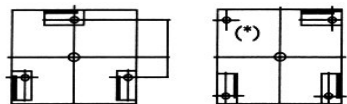
1) The hole pattern and material for the lower and upper module plates can be modified on request.

2) The hold-down bolt is an optional part.

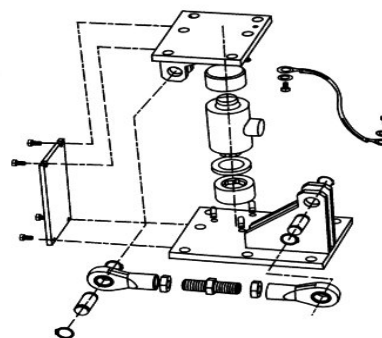
For additional information on the appropriate load cells please refer to our data sheet 0782...



Tangential Mounting

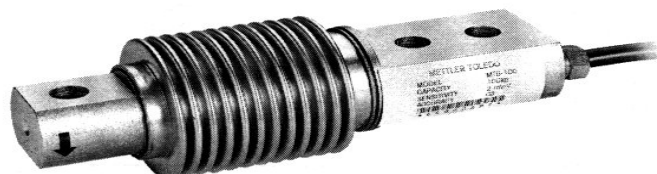


Rectangular or Square Mounting



(*) In the installation of four weigh modules, transverse rod should be removed from one of the modules.

MTB Load cell, 20kg~300kg, bending beam



Features:

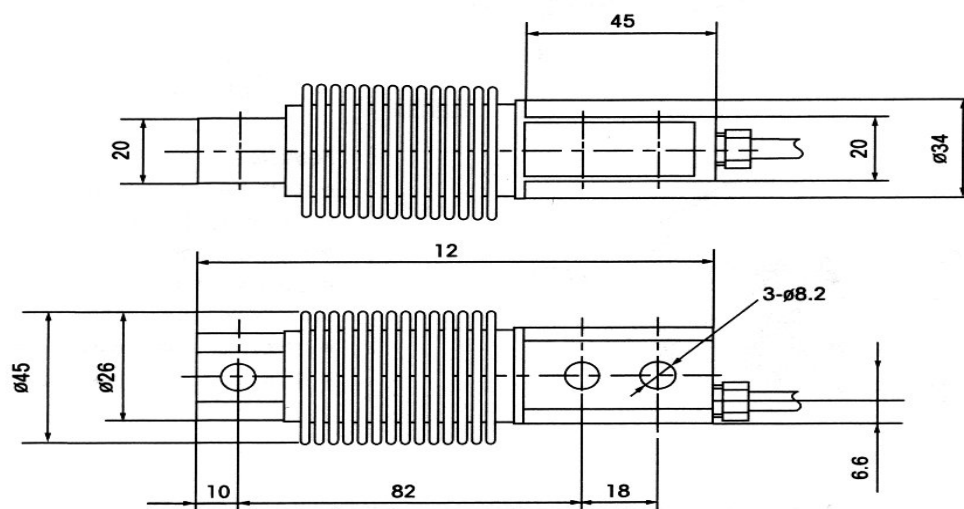
- OIML R60 C3 approved
- Low profile
- Stainless steel
- Protection class IP68 as hermetically sealed
- Available on request of EEx ib IIC T4
- Optionally available with service temperature range up to 200°C (413°F)

Specification

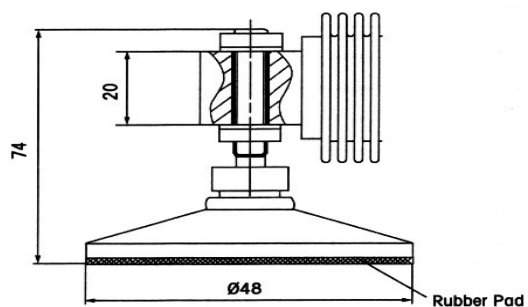
Rated capacity	kg	20,50,100,200,300
Rated output	mV/V	2 ± 0.002
Non repeatability	%R.O.	≤ 0.01
Hysteresis	%R.O.	≤ ± 0.02
Non linearity	%R.O.	≤ ± 0.02
Creep(30min)	%R.O.	≤ ± 0.02
Zero balance	%R.O.	≤ ± 1
Temp. Compensated range	°C	-10~+40
Operating temp. Range	°C	-20~+65
Temp. coefficient on output	%Load/ °C	≤ ± 0.002
Temp. coefficient on zero balance	%R.O./ °C	≤ ± 0.002
Input resistance	Ω	387 ± 4
Output resistance	Ω	350 ± 1
Insulation resistance	MΩ	5000(at 50 VDC)
Recommended voltage	V(DC/AC)	5~15
Max. excit. voltage	V(DC/AC)	20
Safe overload	%R.C.	150
Ultimated overload	%R.C.	300
Protection class		IP68
Cable length	m	3

1) For the cable color code of MTB load cell please refer to our data sheet SB...

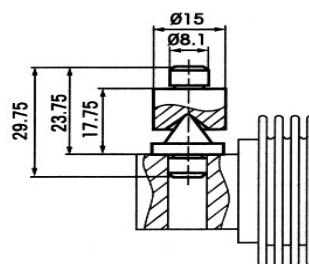
2) The data for deviation of non linearity, hysteresis and temperature effect on rated output are typical values, the sum of these data meets the requirements according to OIML R60.



MTB 20,30,50,100,200,300

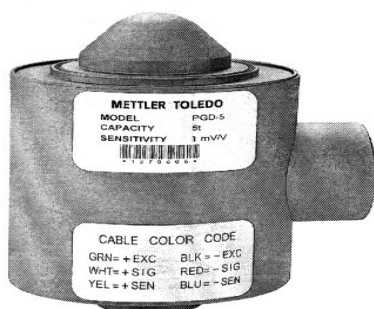


Receiver T foot



Receiver Cone and conical pan

PGD Load cell, 2t~10t, self restoring rocker pin



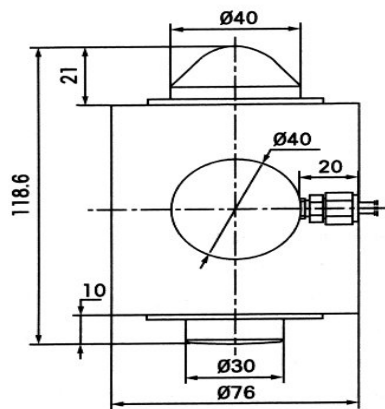
Features:

- Stainless steel
- Protection class IP68 as hermetically sealed
- High accuracy
- Excellent durability
- Low self-weight and easy installation
- Optionally available with service temperature range up to 200°C (413°F).

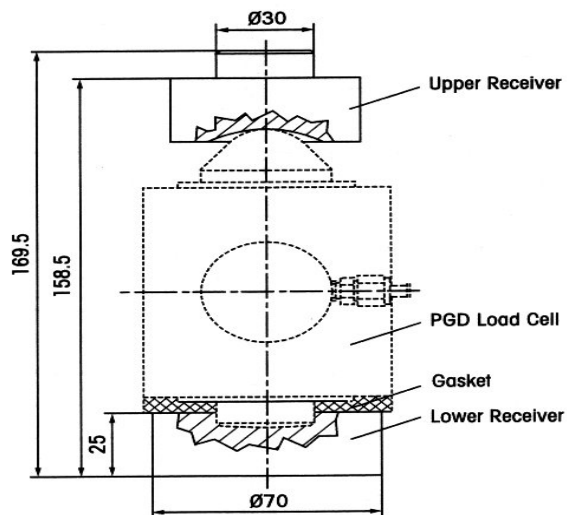
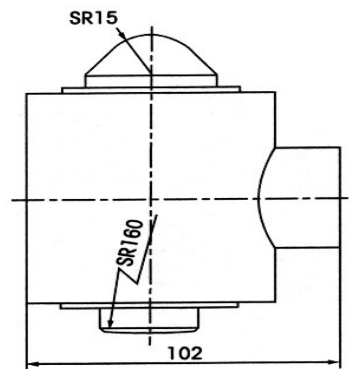
Specification

Rated capacity	t	2,5,10
Rated output	mV/V	1 ± 0.002
Non repeatability	%R.O.	≤ 0.01
Hysteresis	%R.O.	≤ ± 0.02
Non linearity	%R.O.	≤ ± 0.02
Creep(30min)	%R.O.	≤ ± 0.02
Zero balance	%R.O.	≤ ± 1
Temp. Compensated range	°C	-10~+40
Operating temp. Range	°C	-20~+65
Temp. coefficient on output	%Load/°C	≤ ± 0.002
Temp. coefficient on zero balance	%R.O./°C	≤ ± 0.002
Input resistance	Ω	695 ± 7
Output resistance	Ω	600 ± 2
Insulation resistance	MΩ	5000(at 50 VDC)
Recommended voltage	V(DC/AC)	5~15
Max. excit. voltage	V(DC/AC)	20
Safe overload	%R.C.	200
Ultimated overload	%R.C.	500
Protection class		IP68
Cable length	m	10

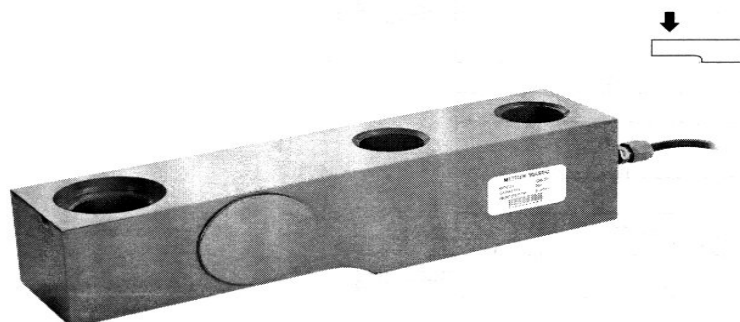
1) For the cable color code of PGD load cell please refer to our data sheet SB...



PGD 2,5,10



SB Load cell, 500kg~30t, shear beam



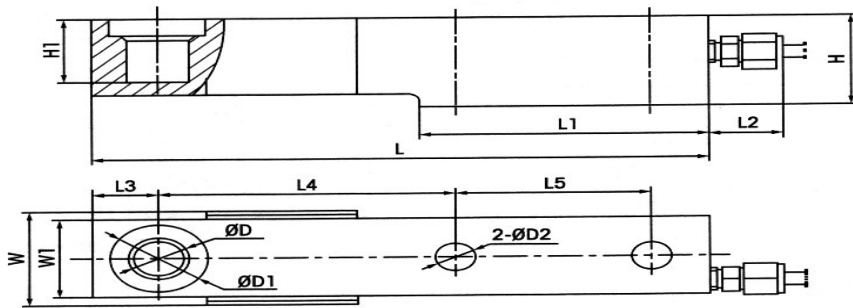
Features:

- Low profile
- High accuracy
- Self centering
- Excellent durability
- Alloy steel with nickel plated for SB 0.5~5
- Protection class IP67

Specification				
Rated capacity	t	0.5,1,2,3	5,10,15,20	30
Rated output	mV/V	2 ± 0.002		
Non repeatability	%R.O	≤ 0.01		
Hysteresis	%R.O	$\leq \pm 0.02$		
Non linearity	%R.O	$\leq \pm 0.02$		
Creep(30min)	%R.O	$\leq \pm 0.02$		
Zero balance	%R.O	$\leq \pm 1$		
Temp. compensated range	°C	$-10 \sim +40$		
Operating temp. range	°C	$-20 \sim +60$		
Temp. coefficient on output	%Load/°C	$\leq \pm 0.002$		
Temp. coefficient on zero balance	%R.O./°C	$\leq \pm 0.002$		
Input resistance	Ω	381 ± 4		
Output resistance	Ω	350 ± 1		
Insulation resistance	M Ω	≥ 5000 (at 50 VDC)		
Recommended voltage	V(DC/AC)	5~15		
Max. excit. voltage	V(DC/AC)	20		
Safe overload	%R.C.	150		
Ultimated overload	%R.C.	300		
Protection class		IP67		
Cable length	m	4	9.5(6m for 5,10t)	

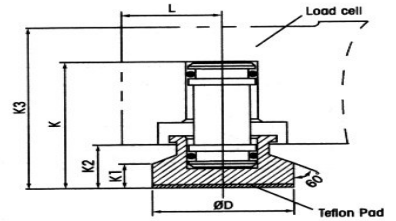
1) Optionally available with service temperature range up to 150°C (310°F).

2) Optionally available with high output resistance 1000 Ω (0.5t~2t) and 2000 Ω (5t~30t).



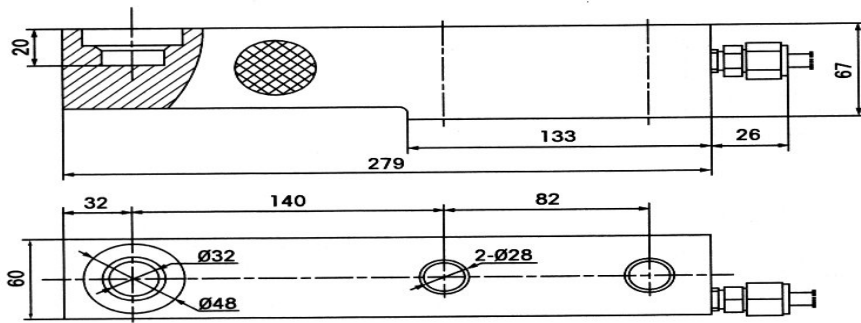
SB 0.5, 1, 2, 3, 5

Capacity	L	L1	L2	L3	L4	L5	W	W1	H	H1	ØD	ØD1	ØD2
0.5-2t	203	95	26	22	98	64	43.5	36.5	43	30.4	16	32	13
3t	203	95	26	22	98	64	43.5	36.5	43	30.4	16	32	15
5t	235	110	26	22	124	66	54.5	47.5	52	30	22	38	20

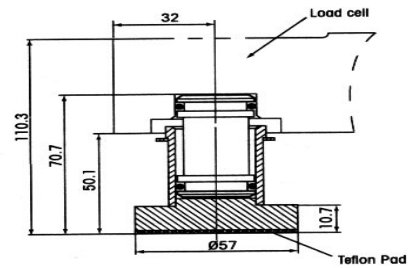


Centerline Assembly SP - 0.5-5

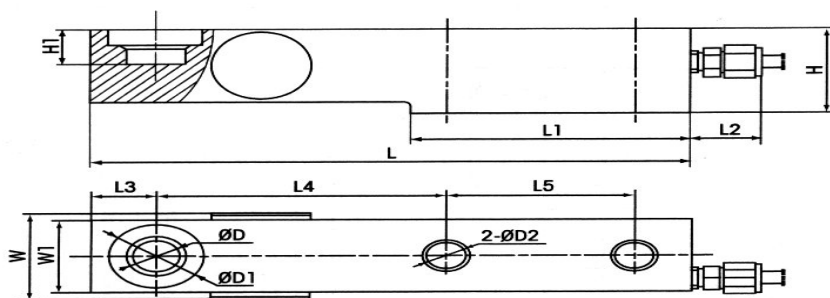
Capacity	K1	K2	K3	K	L	ØD
0.5-3t	6.8	14.9	60.9	44.9	22	35
5t	13.2	26.7	74.3	56.7	22	42



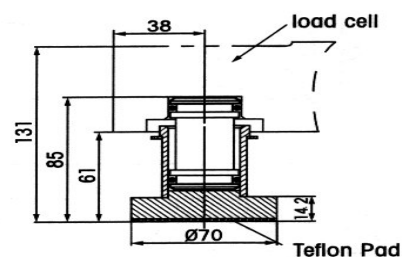
SB 10



Centerline Assembly SP - 10

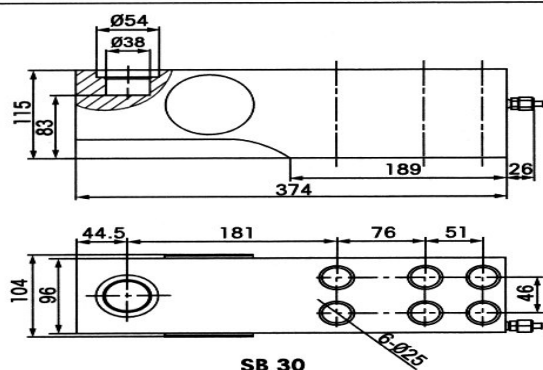


SB 15,20

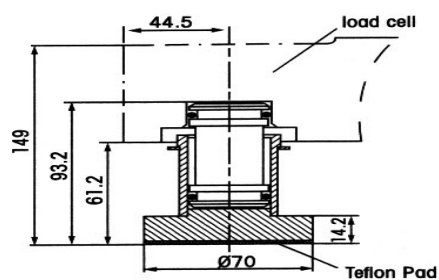


Centerlign Assembly SP - 15-20

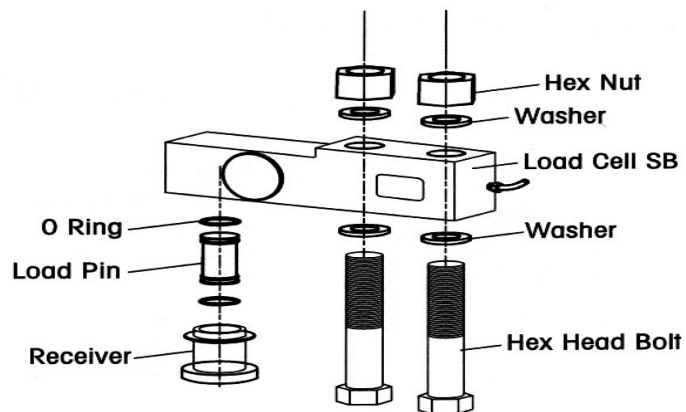
Capacity	L	L1	L2	L3	L4	L5	W	W1	H	H1	ØD	ØD1	ØD2
15,20t	318	153	26	38	159	89	78	70	82.5	24	38	54	34



SB 30



Centerlign Assembly SP - 30



Cable Color	Code(six-wire circuit)
Green	+Excitation
Black	-Excitation
Yellow	+Sense
Blue	-Sense
White	+Signal
Red	-Signal
Yellow(long)	Shield

Model	Tightening Torque(N·m)
SB0.5~3	98
SB5	275
SB10	650
SB15~20	1470
SB30	450

SBC Load cell, 500kg~2t, shear beam

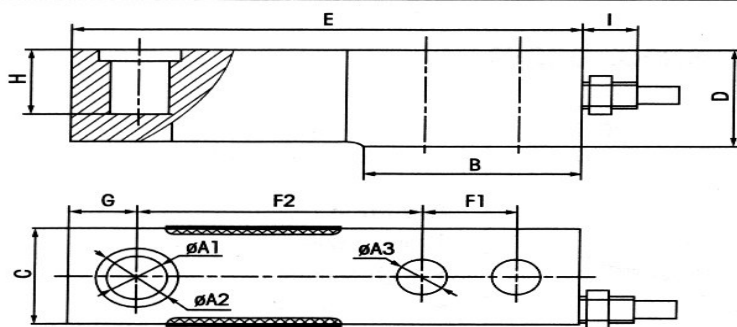


Features:

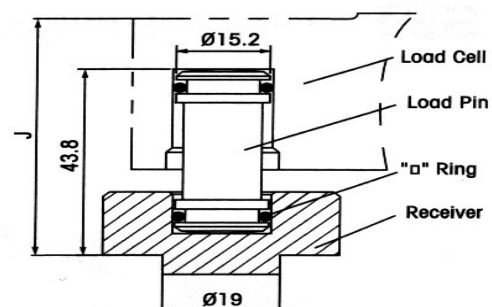
- OIML R60 C3 approved
- Low profile
- High accuracy
- Self centering
- Excellent durability
- Alloy steel with nickel plated
- Protection class IP67

Specification		
Rated capacity	kg	500,1000,2000
Rated output	mV/V	2 ± 0.002
Non repeatability	%R.O.	≤ 0.01
Hysteresis	%R.O.	$\leq \pm 0.02$
Non linearity	%R.O.	$\leq \pm 0.02$
Creep(30min)	%R.O.	$\leq \pm 0.02$
Zero balance	%R.O.	$\leq \pm 1$
Temp. compensated range	°C	-10~+40
Operating temp. range	°C	-20~+65
Temp. coefficient on output	%Load/°C	$\leq \pm 0.002$
Temp. coefficient on zero balance	%R.O./°C	$\leq \pm 0.002$
Input resistance	Ω	381 ± 4
Output resistance	Ω	350 ± 1
Insulation resistance	M Ω	≥ 5000 (at 50 VDC)
Recommended voltage	V(DC/AC)	5~15
Max. excit. voltage	V(DC/AC)	20
Safe overload	%R.C.	150
Ultimated overload	%R.C.	300
Protection class		IP67
Cable length	m	3.1

- 1) The date for deviation of non linearity, hysteresis and temperature effect on rated output are typical values, the sum of these data meets the requirements according to OIML R60.
- 2) Optionally available with service temperature range up to 150°C (310°F).
- 3) Optionally available with high output resistance 1000 Ω .

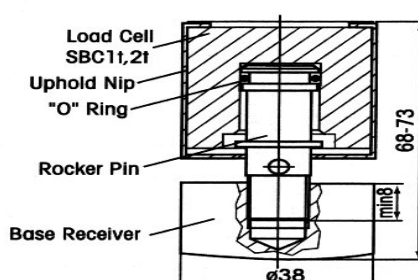
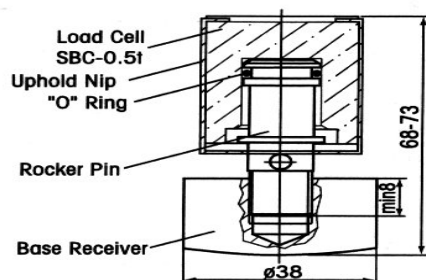


SBC 0.5, 0.5, 1, 2

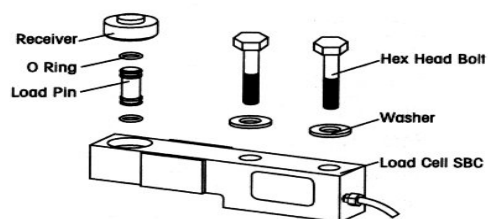


Centerlign Assembly SPC - 0.5-2

Capacity	ØA1	ØA2	ØA3	B	C	D	E	F1	F2	G	H	I	J
500kg	16	22	12.5	57.8	30.2	35	133.4	25.4	76.2	15.4	22	17	55.3
1000kg	16	22	12.5	58.2	36.6	36.6	137	25.4	76.2	18.4	23.7	17	54.6
2000kg	16	22	12.5	58.2	36.6	36.6	137	25.4	76.2	18.4	23	17	55.3



Centerlign T foot



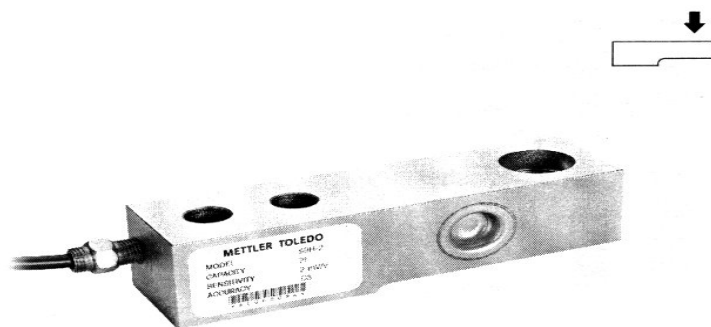
Cable Color	Code(four-wire circuit)
Green	+Excitation
Black	-Excitation
White	+Signal
Red	-Signal
Yellow(long)	Shield

Mounting:

Tightening Torque(N·m)

98

SBH Load cell, 250kg~5t, bending beam



Features:

- OIML R60 C3 approved
- Stainless steel
- Protection class IP68 as laser welding sealed
- Low profile
- Excellent durability
- Compact design
- Available on request of EEx ib IIC T4

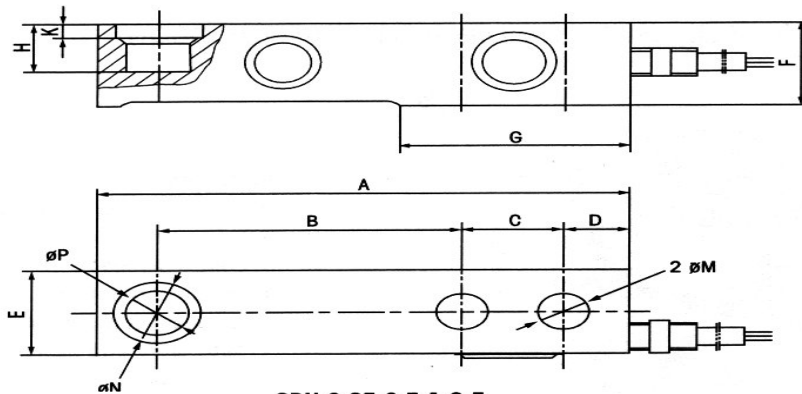
Specification

Rated capacity	kg	250,500,1000,2000,5000
Rated output	mV/V	2 ± 0.002
Non repeatability	%R.O.	≤ 0.01
Hysteresis	%R.O.	≤ ± 0.02
Non linearity	%R.O.	≤ ± 0.02
Creep(30min)	%R.O.	≤ ± 0.02
Zero balance	%R.O.	≤ ± 1
Temp. Compensated range	°C	-10~+40
Operating temp. Range	°C	-20~+65
Temp. coefficient on output	%Load/°C	≤ ± 0.002
Temp. coefficient on zero balance	%R.O./°C	≤ ± 0.002
Input resistance	Ω	387 ± 4
Output resistance	Ω	350 ± 1
Insulation resistance	MΩ	≥ 5000(at 50 VDC)
Recommended voltage	V(DC/AC)	5~15
Max. excit. voltage	V(DC/AC)	20
Safe overload	%R.C.	150
Ultimated overload	%R.C.	300
Protection class		IP68
Cable length	m	3.1(5m for 5000kg)

1) For the cable color code of SBH load cell please refer to our data sheet SBC...

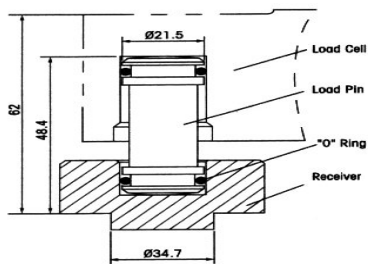
2) The date for deviation of non linearity, hysteresis and temperature effect on rated output are typical values, the sum of these data meets the requirements according to OIML R60.

3) Optionally available with service temperature range up to 150°C (310°F).

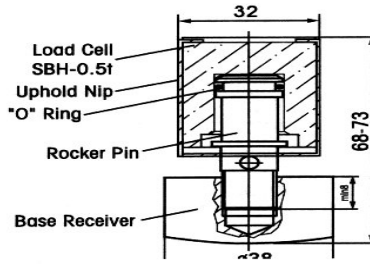


SBH 0.25,0.5,1,2,5

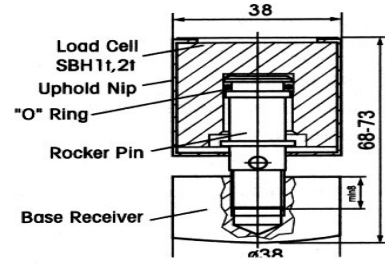
Capacity	A	B	C	D	E	F	G	H	K	ØM	ØN	ØP
0.25,0.5,1t	133.4	76.2	25.4	16.4	30.7	30	57.9	17	4.8	12.7	22	15.9
2t	133.6	76.2	25.4	16.7	36.8	36.6	57.9	23	9.5	12.7	22	15.9
5t	171.5	95.2	38.1	16.7	42.9	43	73.8	29.4	11	19	34.9	22.2



Centerlign Assembly SPC - 5



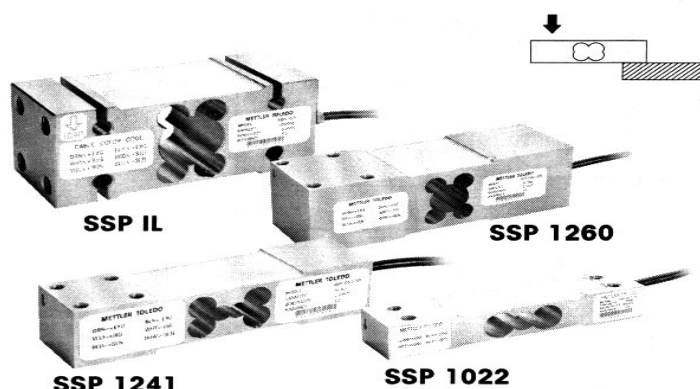
Centerlign T foot



Model	Tightening Torque(N·m)
SBH0.25~2	98
SBH5	275

For the centerlign assembly of SBH0.25-2 please refer to centerlign assembly SPC - 0.5-2 in our data sheet SBC...

SSP Single point load cell 10kg~2t



Features:

- OIML R60 C3 approved except SSP IL
- Low profile
- Stainless steel
- Excellent durability
- Protection class IP67
- Off center load compensated

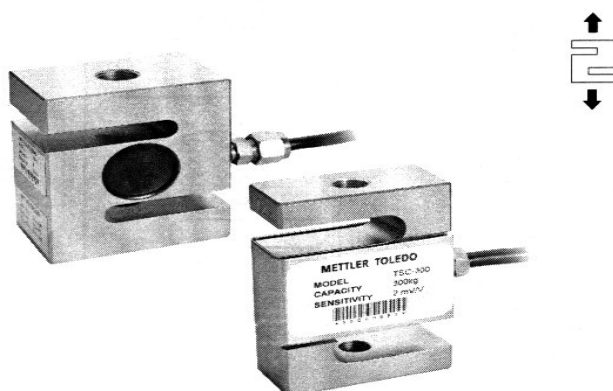
Specification

Rated capacity	kg	10,30,50,100,150,200, 250,300,500,1000,2000
Rated output	mV/V	2 ± 0.2
Non repeatability	%R.O.	≤ 0.01
Hysteresis	%R.O.	≤ ± 0.02
Non linearity	%R.O.	≤ ± 0.02
Creep(30min)	%R.O.	≤ ± 0.02
Zero balance	%R.O.	≤ ± 10
Temp. Compensated range	°C	-10~+40
Operating temp. Range	°C	-20~+65
Temp. coefficient on output	%Load/°C	≤ ± 0.002
Temp. coefficient on zero balance	%R.O./°C	≤ ± 0.002
Input resistance	Ω	387 ± 10
Output resistance	Ω	350 ± 4
Insulation resistance	MΩ	5000(at 50 VDC)
Recommended voltage	V(DC/AC)	5~15
Max. excit. voltage	V(DC/AC)	20
Safe overload	%R.C.	150
Ultimated overload	%R.C.	300
Protection class		IP67

- 1) The combined maximum error due to nonlinearity hysteresis and temperature effect on output, does not exceed the error limits to OIML-R60.
- 2) All relative errors specified refer to the output signal at nominal load.

Name	Capacity(kg)	Dimension and Cable Color Code	Tightening Torque(N·m)	Approval	Maximun platform Size(mm x mm)
SSP1241	30,50,100 200,300	Refer to data sheet MT1241	20	OIML R60 C3	500 x 500
SSP1260	150,300,500	Refer to data sheet MT1260	30	OIML R60 C3	600 x 800
SSP1022	10,30	Refer to data sheet MT1022	15	OIML R60 C3	250 x 250
SSP IL	1000	Refer to data sheet IL150~1000	98		800 x 1200
SSP IL	2000	Refer to data sheet IL2000	198		800 x 1200

TSC/TSB Load cell, TSC 50kg~1t , TSB 2t~5t



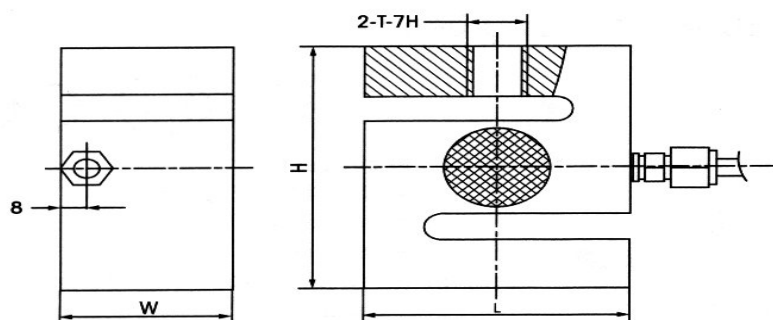
Features:

- Compact design
- High accuracy
- Excellent durability
- Alloy steel with nickel plated
- Protection class IP67 for TSB

Specification		
Rated capacity TSC	kg	50,100,200,300,500,1000
Rated capacity TSB	t	2,3,5
Rated output	mV/V	2 ± 0.002
Non repeatability	%R.O.	≤ 0.01
Hysteresis	%R.O.	≤ ± 0.02
Non linearity	%R.O.	≤ ± 0.02
Creep(30min)	%R.O.	≤ ± 0.02
Zero balance	%R.O.	≤ ± 1
Temp. Compensated range	°C	-10~+40
Operating temp. Range	°C	-20~+65
Temp. coefficient on output	%Load/°C	≤ ± 0.002
Temp. coefficient on zero balance	%R.O./°C	≤ ± 0.002
Input resistance	Ω	381 ± 4
Output resistance	Ω	350 ± 1
Insulation resistance	MΩ	≥ 5000(at 50 VDC)
Recommended voltage	V(DC/AC)	5~15
Max. excit. voltage	V(DC/AC)	20
Safe overload	%R.C.	150
Ultimated overload	%R.C.	300
Protection class		IP65(TSC), IP67(TSB)
Cable length	m	5

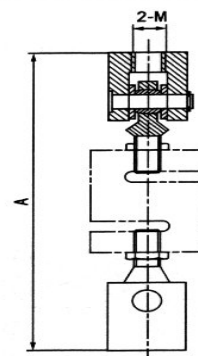
1) The cable color code of TSC/TSB load cell please refer to our data sheet SB...

2) Optionally available with service temperature range up to 150°C (310°F).



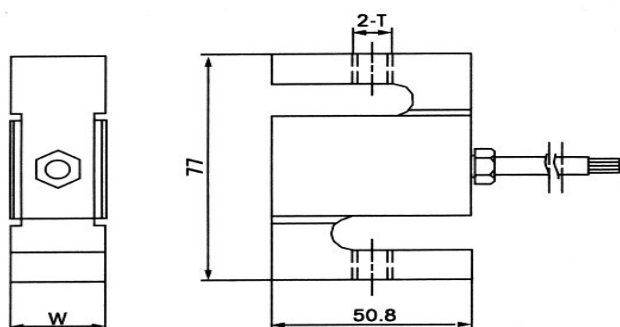
TSB 2,3,5

Capacity(kg)	L(mm)	H(mm)	W(mm)	T(mm)
2000	70	86	45	M16x1.5
3000	80	100	50	M18x1.5
5000	92	130	58	M20x2



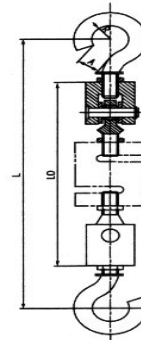
Coupling ZP 2,3,5

Capacity(t)	Dimensions(mm)	
	A	M
2	248-266	M14
3	268-290	M18
5	314-334	M20



TSC 50-1000

Capacity(kg)	Dimensions(mm)	
	W	T
50,100,200	18.5	M10x1
300	24.4	M10x1
500	24.4	M12x1
1000	36	M12x1



Coupling ZP 50-1000

Capacity(kg)	Dimensions(mm)			
	L	LO	R	A
50,100,200,300	322-367	205-227	14	18
500	298-317	219-235	14	0
1000	298-317	219-235	14	0

