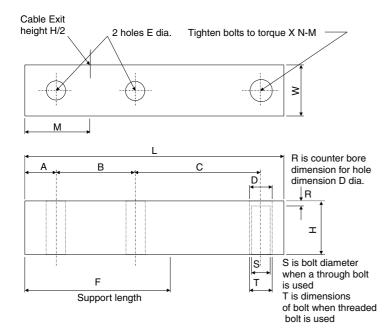
SG-LS Series

Low Profile Shear Beam





Capacity	Order Code
0-50kg	SG-LS-50
0-100kg	SG-LS-100
0-250kg	SG-LS-250
0-500kg	SG-LS-500
0-1t	SG-LS-1T
0-2.5t	SG-LS-2.5T
0-5t	SG-LS-5T
0-10t	SG-LS-10T



Capacities: 0-50kg to 0-10t Tool Steel Construction Electroless nickel plated

Extra low profile

Corrosion resistant

Fully encapsulated

Trade accuracy (OIML)

Output matched to simplify corner adjustment

Full range of mounting accessories

Simple installation

Specifications

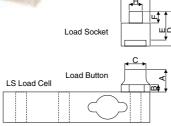
Nominal Capacity	0- 50kg to 0-10t			
Nominal Output at capacity	2mV/V ±0.1%			
Factory calibration mode	Compression			
Linearity error	<0.017% FSO			
Non-Repeatability	<0.01% FSO			
Zero return/creep (30 mins)	<0.017%/0.023% FSO			
Temp effect span/10°C	<0.01% FSO			
Temp effect zero/10°C	<0.015% capacity			
Insulation resistance - bridge to ground	>5000MΩ			
Insulation resistance - cable to ground	>1000MΩ			
Compensated temperature range	-10° to 50°C			
Output resistance	352.2Ω ±0.2Ω			
Input resistance	410 Ω nominal			
Service load	100% of capacity			
Safe load	150% of capacity			
Mechanical failure	300% of capacity			
Recommended excitation	5V to 15V AC/DC			
Maximum Excitation	15VDC			
Environmental protection	IP65			
All specifications are a maximum as a % of full load unless otherwise stated				

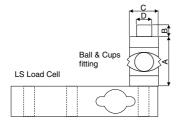
All specifications are a maximum, as a % of full load, unless otherwise stated

SG-LS	Α	в	С	D	Е	F	н	L	М	R	S	т	w	X
50	10	35	72	12	11	55	20	127	24	2	10.3	M12 x 1.75	20	45
100	10	35	72	12	11	55	20	127	24	2	10.3	M12 x 1.75	20	45
250	10	35	72	12	11	55	18	127	24	2	10.3	M12 x 1.75	20	45
500	10	35	72	12	11	55	24	127	24	2	10.3	M12 x 1.75	20	45
1T	10	35	72	12	11	55	24	127	24	2	10.3	M12 x 1.75	20	45
2.5T	15	64	88	20	13	94	38	182	43	5	13	NONE	25	75
5T	20	76	109	30	17	115	47.5	225	63	7.5	17	NONE	35	210
10T	25	90	112	40	26	115	65	252	78	10	26	NONE	48	710



LS Series Accessories and Wiring Specifications



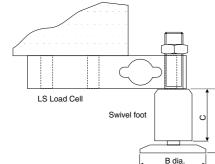


SG-LS	0-50kg to 0-1T	0-2.5T	0-5T	0-10T
Α	12	12	18	22
В	5	5	8	10
С	14 dia	14 dia	20 dia	30 dia
D	21	22	29	36
E	18	18	25	30
F	8	8	9	12
G	20 dia	20 dia	30 dia	40 dia
н	10 dia	10 dia	16 dia	25 dia

SG-LS	0-50kg to 0-1T	2.5T	5T	10T
Α	36.5	36.5	85	85
В	11	11	23	23
С	20 dia	20 dia	40 dia	40 dia
D	M12 x 1.75	M12 x 1.75	M10 x 1.5	M10 x 1.5

A load button and hardened socket is used with the LS in compression applications. With the load cell rigidly fixed at the base, load is applied through the socket.

The ball and cup fitting is used with the LS load cell for applications requiring optimum performance. The fitting can provide a self aligning action to accommodate deflections and mounting imperfections which might otherwise degrade performance.



SG-LS	50kg - 1T
Α	53
в	51
С	42

The swivel foot is used with the LS to provide simple yet effective installation in platform scales and compression load applications. The self aligning foot has hardened and plated internal components and a stainless steel body.

SG-LS	50kg - 1T	2.5T	5T	10T
Load button	SG-A-LBM12	SG-A-LB20	SG-A-LB30	SG-A-LB40
Load socket	SG-A-LS20	SG-A-LS20	SG-A-LS30	SG-A-LS40
Swivel foot	SG-A-SF	N/A	N/A	N/A
Ball and cup	SG-A-BC20	SG-A-BC20	SG-A-BC40	SG-A-BC40
Complete mount	SG-MLS-1	SG-MLS-2.5	SG-MLS-5	SG-MLS-10
Spherical washer	SG-A-SW8/20	SG-A-SW12/20	SG-A-SW16/30	SG-A-SW20/40
Rod End Bearing	SG-A-REM12	N/A	N/A	N/A

WIRING SPECIFICATIONS		CABLE LENGTH	
RED+ ExcitationBLACK- ExcitationGREEN+ SignalWHITE- SignalBROWN+ SenseBLUE- Sense	LOPT_LS-3.0-0	Cable is 6 core silver gr with screen and has a le SG-LS 50KG - 2.5T SG-LS 5t - 10T	ey quality PVC sheathed ength as follows. 3 metres 5 metres