

# SL Series Tension Load Cells



## Standard Features

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- Alloy steel construction
- IP67 protection rating
- Max. capacities from 15 to 1000 kg

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**CAPACITIES (kg):** 15, 30, 50, 100, 300, 500, 1000.

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**Alloy steel. IP67** protection.

Tension or compression load cells for weighing hoppers, tanks and with other weighing devices.

## Specifications

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**Non-Repeatability:**

0,01% F.S.

**Operating Temperature Range:**

-30°C/+85°C

**Zero balance:**

+/- 2% F.S.

**Full Scale Output:**

2mV/V +/- 10%

**Creep error after 4 hours:**

0,03% F.S.

**Insulation Resistance:**

>5000 MOhm

**Temperature effect on zero:**

0,02% /°C

**Maximum tolerated excitation**

**voltage:**

15 VDC

**Safe Overload:**

150% F.S.

**Temperature effect on full scale**

**output:**

0,02% /°C

**Input Resistance:**

381 ± 10 Ohm

**Ultimate Overload:**

300% F.S.

**Compensated Temperature**

**Range:**

-10°C/+40°C

**Output Resistance:**

350 ± 3 Ohm

**Shielded cable:**

4-wire shielded cable, 5m long,

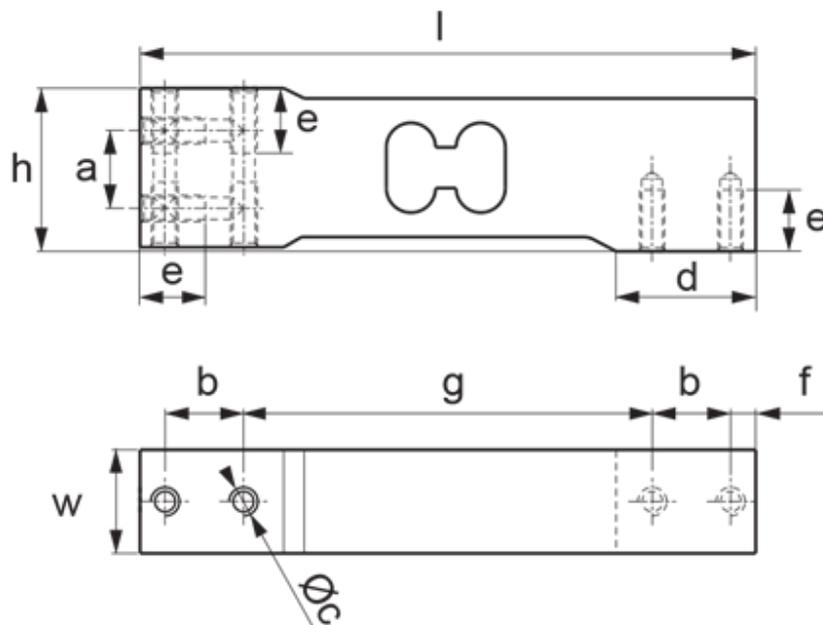
5,5 mm diameter

## Wiring Code

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<u>Wiring Code</u>	
<u>Colour</u>	<u>Function</u>
RED	INPUT +
BLACK	INPUT -
GREEN	OUTPUT +
WHITE	OUTPUT -
--	SHIELD

# Dimensions



Code	Max (kg)	l (mm)	w (mm)	h (mm)	a (mm)	b (mm)
<b><u>SL15</u></b>	15	51	13	64	10,5	N°2 x M8
<b><u>SL30</u></b>	30	51	13	64	10,5	N°2 x M8
<b><u>SL50</u></b>	50	51	13	64	10,5	N°2 x M8
<b><u>SL100</u></b>	100	51	19	76	13,5	N°2 x M12
<b><u>SL300</u></b>	300	51	19	76	13,5	N°2 x M12
<b><u>SL500</u></b>	500	51	19	76	13,5	N°2 x M12
<b><u>SL1000</u></b>	1.000	54	25,4	76	13,5	N°2 x M12

# Parts

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## Part # Description

### Available Versions

<b>SL15</b>	Tension load cell, C3, Max=15kg in steel alloy, IP67 protection rating, 350 Ohm output resistance.
<b>SL30</b>	Tension load cell, C3, Max=30kg in steel alloy, IP67 protection rating, 350 Ohm output resistance.
<b>SL50</b>	Tension load cell, C3, Max=50kg in steel alloy, IP67 protection rating, 350 Ohm output resistance.
<b>SL100</b>	Tension load cell, C3, Max=100kg in steel alloy, IP67 protection rating, 350 Ohm output resistance.
<b>SL300</b>	Tension load cell, C3, Max=300kg in steel alloy, IP67 protection rating, 350 Ohm output resistance.
<b>SL500</b>	Tension load cell, C3, Max=500kg in steel alloy, IP67 protection rating, 350 Ohm output resistance.
<b>SL1000</b>	Tension load cell, C3, Max=1000kg in steel alloy, IP67 protection rating, 350 Ohm output resistance.

# Options

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## Part # Description

### Mounting kits

<b>RBJM8</b>	M8 articulated rod-end ball joint. Maximum lifting capacity of 600kg. For STG100 and SL up to 50kg capacity.
<b>RBJM12</b>	M12 articulated rod-end ball joint. Maximum lifting capacity of 1000kg. For STG500, STG1000 and SL capacity from 100 to 1000kg.
<b>CLVM8</b>	M8 clevis fitted with pin, for combination with RBJM8. For STG100 and SL capacity up to 50kg.
<b>CLVM12</b>	M12 clevis fitted with pin, for combination with RBJM12. For STG500, STG1000 and SL capacity from 100 to 1000kg.

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