



## ELC-CLC-XX Cylinder Compression Load Cells.



Euroload Limited cylinder compression load cells have been designed for the harshest of environment's for multiple applications including, silo content's monitoring, hydraulic ram verification, center of gravity calculations, pile testing and many more.

Fully stainless-steel construction, swivel top cap, optional loading base, output via cable gland or mill-spec connector, IP67 ingress protection, any cable length.

Output options include, Mv/v (standard), 4-20ma, voltage, RS485.



The standard range cover 50 tonne to 1000 tonne. Special's are available on request. These load links are utilised in varies industries including, Oil and Gas, Manufacturing, Aerospace, Renewables, Fishing, Transportation, Marine.

Anywhere a reliable tensile load reading is required.

Tailor-made cells can be built to customers specification. Stock held up to 1000 te. Hollow bore, telemetry, low profile version available.



### Features:

- . Fully stainless steel construction
- . Cable gland or connector output
- . Multiple output options available
- . Multiple readout options available
- . IP68 ingress protection as standard
- . Swivel top cap to centre load
- . Highly accurate and repeatable
- . Any cable length available at order
- . 2 year manufacturer warranty
- . Special design to order available
- . Massive stock held in factory
- . Worldwide agent network with stock held

# EL COMP

## Technical Data

Standard load ranges	Te	100,200,300,500,1000.
Full Load output	mV/V	1.5 +/-0.5%
Excitation voltage (recommended) dc or ac	V	10
Excitation voltage (maximum) dc or ac	V	20
Safe service load	%	150
Ultimate load	%	500
Safe side load	%	100
Combined error (non-linearity & hysteresis)	%	<+/- 0.2
Non-Repeatability	%	<+/- 0.02
Output at zero load	%	<+/- 1.0%
Input resistance	ohms	700 (500-1000te 1400)
Output resistance	ohms	700 +/-2
Creep after 30 minutes (20 deg C)	%	<+/- 0.05%
Operational temperature range	deg C	-20 to +80
Compensated temperature range	deg C	-10 to +40
Temperature coefficient of zero	%/C	<+/-0.005
Temperature coefficient of span	%/C	<+/-0.003
Environmental protection		IP67
Cable length standard	m	10
Insulation	M ohms	>2 G at 100V.dc

NOTE: All percentages related to Full Rated Load

### Electrical Connections

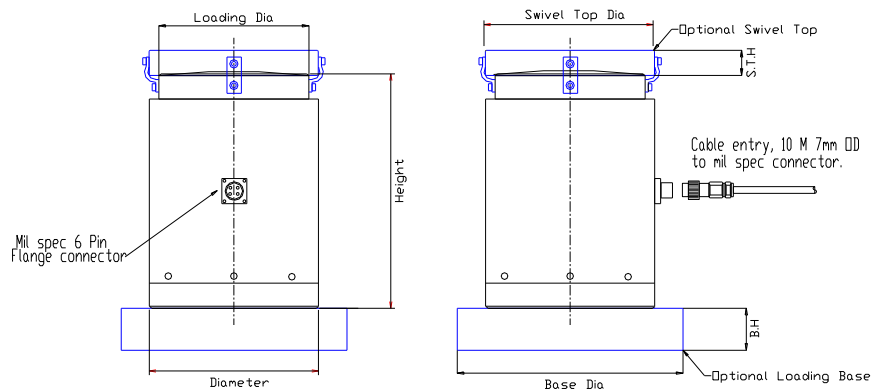
**Red + input      Green + output**  
**Blue - input      Yellow - output**  
**Screen not connected to load cell**

### Connector Fitted (Option)

**IP 68 6 Way Amphenol Connector**  
**Pin A + input      Pin C + output**  
**Pin B - input      Pin D - output**

### Construction

**Load cell: Stainless Steel**



Cell Type	Nominal Rated Load	Height	Diameter	Loading Dia	Base Diameter	B.H	Swivel Top Dia	S.T.H
Comp 50	50	110	76	60	130 Dia	40	65	10
Comp 100	100	150	100	80	150 Dia	50	100	20
Comp 200	200	180	127	110	150 Dia	50	127	30
Comp 300	300	180	150	130	200 Dia	50	150	30
Comp 400	400	240	162	162	230	50	170	40
Comp 500	500	300	203	170.5	265 Dia	50	203	50
Comp 1000	1000	425	290	250	400 Dia	75	290	50



## ELC-CLC-XX Cylinder Compression Load Cells.

Local Agent:

Euroload Limited, Unit 9, Airside Business Park, Dyce Drive, Kirkhill Ind Est, Dyce, Aberdeen, AB21 0GT.  
 Tel: +44 (0) 1224 774115 e-mail info@euroload.eu