

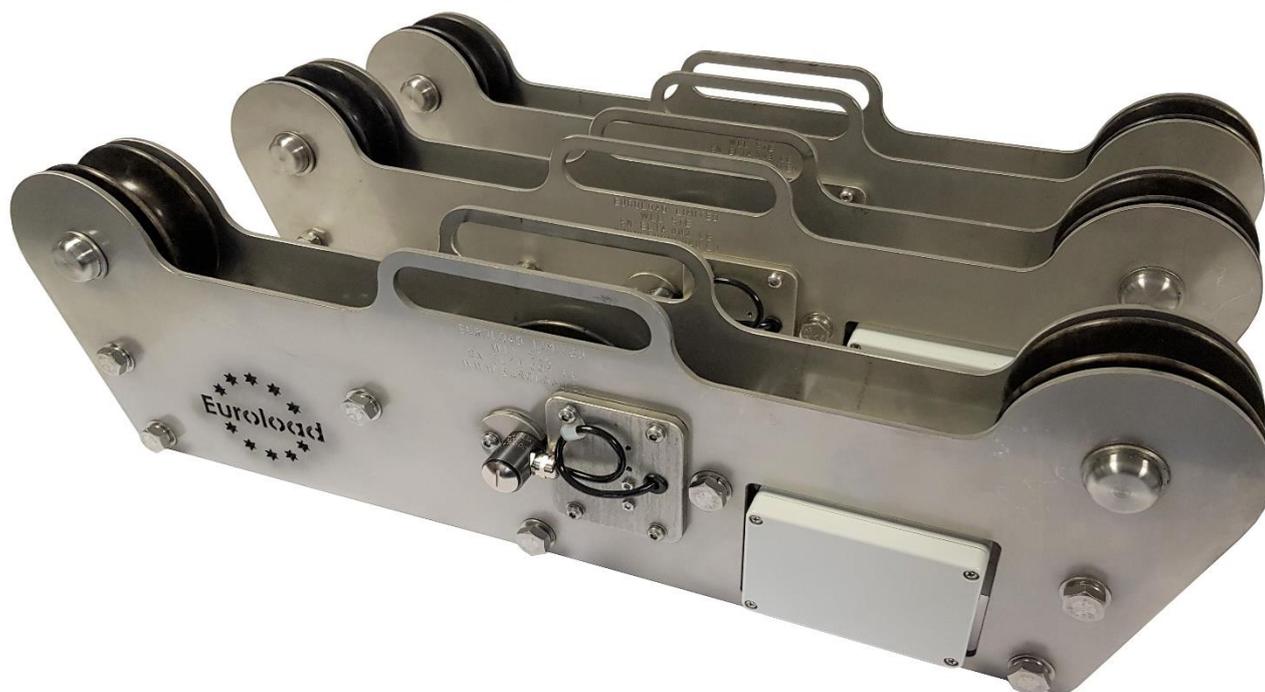


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**Footprint Diagrams & Options**  
For Model 1A to Model 6F Dynamometers  
New Stainless-steel model with  
quick release wheel`s

Euroload Limited are immensely proud to introduce our newly designed RLM`s with all the below added benefits and features.

1. Fully stainless-steel construction, Steel zinc passivated sheaves. Option for stainless sheaves.
2. IP68 down hole strain gauged load pin.
3. IP67 Euroload manufactured read switches.
4. Quick release main sheave wheels c/w lynch pins.
5. Installation on wire in under 1 minute.
6. No tools required to remove wheels and install wire.
7. Maintenance free sealed bearings.
8. Designed for quick/simple installation saving hours per operation.
9. Multiple sheaves available for each range of RLM fully calibrated to each sheave size.
10. Fitted with our well proven ELT24 telemetry electronics as standard. Data log multiple RLM`s in one area via one PC.
11. Options for mounting include, prop shaft mount, chain mount (4 off eye bolts), foot mount. The Euroload RLM has also been designed to accept web slings for hanging the unit via its carry handles.



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## Specifications: RLM with Load Pin Only.

Running Line Monitor with Load pin **Mv/v** output

Safe Overload	200%
Ultimate breaking load	>500%
Output	1.5 Mv/v
Resistance input and output	700 ohm
Insulation value	>5Gohm
Operating range	-40 to +85 Deg C
Cable length	Customer specified
Ref Excitation recommended	5-10VDC
Accuracy	+/- 1% of F. S

Wiring for Mv/v load pin: RED= + excitation, Blue= – Excitation, Green= + signal, Yellow= - signal  
Screen= Earth (OVDC)

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Running Line Monitor with Load pin **4-20ma** output ICA4H fitted in pin head.

Safe Overload	200%
Ultimate breaking load	>500%
Output	4-20ma
Bridgeresistance input and output	700 ohm
Insulation value	>5Gohm
Operating range	-40 to +85 Deg C
Cable length	Customer specified
Supply voltage	13-28VDC
Max operating current	42ma
Zero Temp Stability	Max 0.0015 +/--%FR/degC
Span Temp Stability	Max 0.0052 +/--%FR/degC
Accuracy	+/- 1% of F.S

Wiring for 4-20 ma output: RED+ supply Blue= 0VDC, Green= + signal 4-20ma, Yellow= -signal (OVDC)  
Screen= Earth

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## ELT24 Telemetry output

For ELT24 telemetry specifications and output/support modules, see datasheet ELT24 Made to Measure. This covers the full range of telemetry receivers available to work with this RLM.

We have simple receiver handsets, Log100 logging software, analogue input modules, digital input modules, gateways, alarms and many more.



**Readout options include.**

**Mains driven Load and Payout:**

EL-RLM-SS mains driven display showing load and payout. As standard for a single RLM but panels for multiple RLM's are available on request. Cables can be supplied in any length to suit your requirements; 10 meters of cable is supplied as standard.

**EL-RLM-SS Heavy Duty Mains Driven Stainless steel panel showing load, pay out and speed.**

**Alarm relays, analogue output, RS 485 output**

**as standard. IP66 overall protection.**

**Datalogging package available.**

**Telemetry options:**

Full telemetry version now available for 2021. Remote datalogging via PC also available.



**NEW 2021. Telemetry RLM c/w remote readout for reading load, payout and speed. Laptop c/w USB receiver available.**

**Hazardous area zone 2:**

A hazardous area zone 2 RLM readout system is available. Heavy duty, detachable cable, mains driven safe area power supply.



**Zone 2. Hazardous area cable based RLM. Heavy-duty stainless-steel enclosure housing Beka zone 1 digital indicators. Load and payout. Safe area power supply.**



## Heavy Duty Load/Payout Display Panel's



Euroload Limited provide a range of heavy duty readout panels to compliment our popular range of running line monitors. These panels can also be fitted to any sheave where Euroload fit a load monitoring pin and proximity sensors.

We have 2 models in the range. A mini panel for mounting in the wheelhouse/barge office and a larger heavy duty local panel for mounting next to the RLM or sheave.



Both panel's has one off readout for load and one off dual readout to show payout and speed. These panels have been designed for the harshest of environments. The panel is 304 stainless steel and we fit IP67 protective viewing windows to the heavy duty Local display.

For any application where you are required to monitor the load and payout of a moving wire rope, contact Euroload for a solution.



### Features:

- . 304 stainless steel IP66 panel.
- . Wall or desk mount.
- . Universal mains input.
- . Top quality process indicator's.
- . High level adjustable alarm.
- . Analogue output.
- . Optional digital output.
- . High visibility RED LED
- . Mil-spec connectors on RLM version.
- . Stock held at factory.
- . Complete data logging facility available.



LOAD MONITORING AND STRESS ANALYSIS SPECIALISTS

[www.euroload.eu](http://www.euroload.eu)



Heavy Duty Local Display



Mini Wheelhouse Display

## Dimension`s and specification`s

Display Type	Heavy Duty Local Display	Mini Wheelhouse display
Mains input power	Universal 90-250VAC (standard) DC power option available	
Panel material	304 stainless steel	
Panel size	300 x 300 x 210mm	200 x 200 x 150mm
Load Indicator	Red Lion PAX	
Payout Indicator	Red Lion PAX2D	
Anologue output	Standard	
Digital ouput	Optional	
Audible alarm	Standard	
Wall Mount Bracket	Included	
IP67 protective window	Standard	Not available
Sensor Input	Heavy Duty Connector	Internal terminal via cable gland



## Heavy Duty Load/Payout Display Panel`s

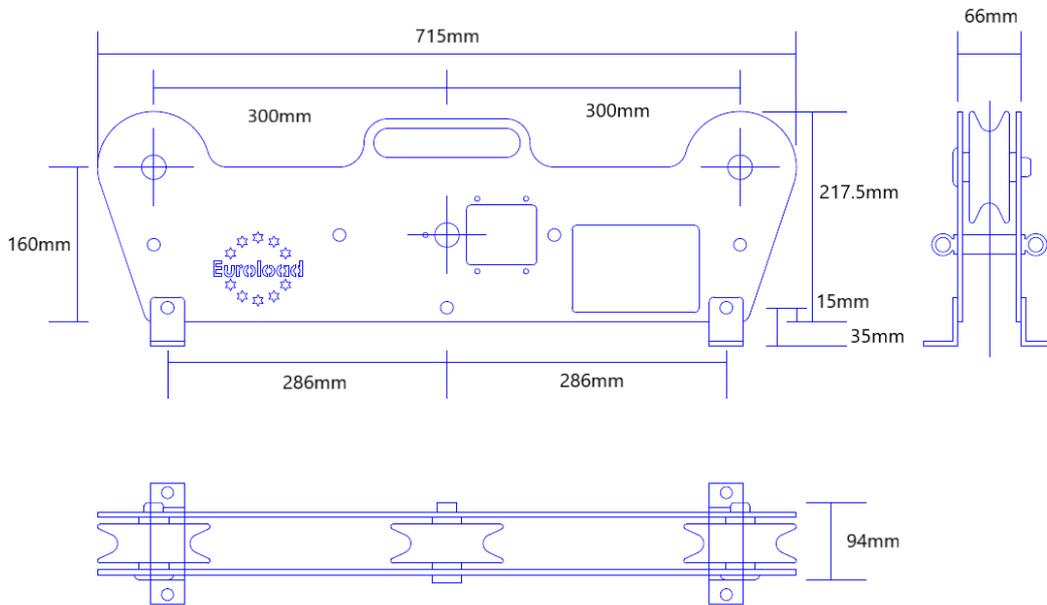
Local agent:

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

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## Model 1 A Dynamometer

The Model 1 Dynamometer can measure up to **9** tons of cable tension. And can be fitted in many ways.



### Sheave sizes

8mm, 10mm, 13mm, 16mm 19mm, 22mm, 24mm and 25mm

Note. You can buy 1 off RLM complete and 5 extra sets of wheels to cover all wire sizes. When changing wheels over you need to recalibrate the unit against the correct wire size.

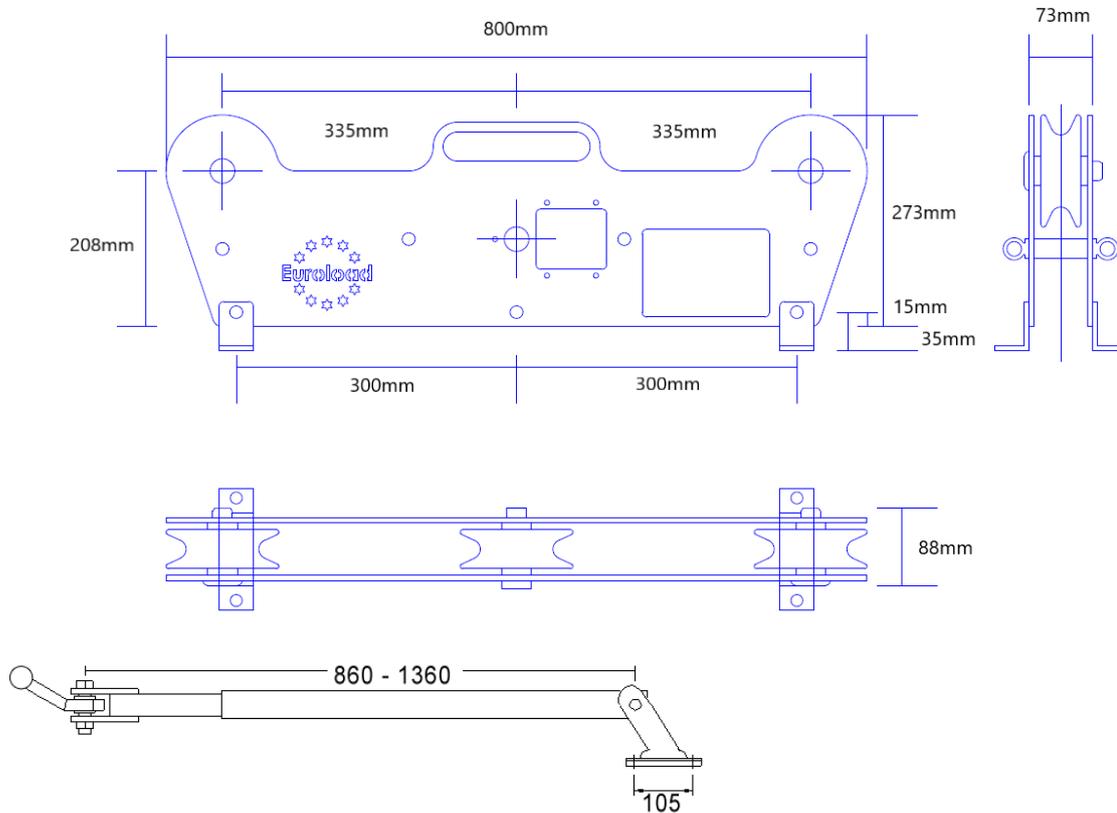
### Possible mounts

Standard foot mount  
Prop shaft/Swivel Mount  
Hook and Chain Mount

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## Model 2B Dynamometer

The Model 2 Dynamometer can measure up to **25** tons of cable tension



### ***Sheave sizes***

22mm, 25mm, 28mm, and 30mm

***Note. You can buy 1 off RLM complete and 2 extra sets of wheels to cover all wire sizes. When changing wheels over you need to recalibrate the unit against the correct wire size.***

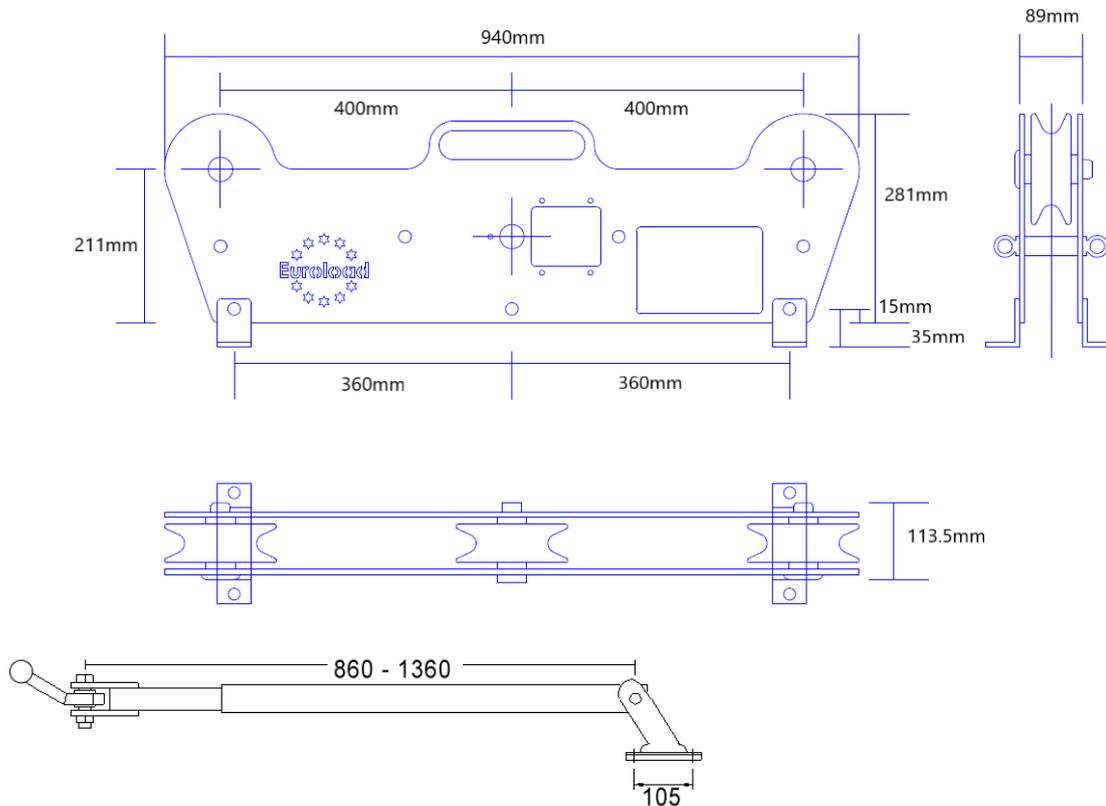
### ***Possible mounts***

Standard foot mount  
Prop shaft/Swivel Mount  
Hook and Chain Mount

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## Model 3 Dynamometer

The Model 3 Dynamometer can measure up to **45** tons of cable tension.



### ***Sheave sizes***

30mm, 32mm, 35mm, 38mm and 40mm

***Note. You can buy 1 off RLM complete and 3 extra sets of wheels to cover all wire sizes. When changing wheels over you need to recalibrate the unit against the correct wire size.***

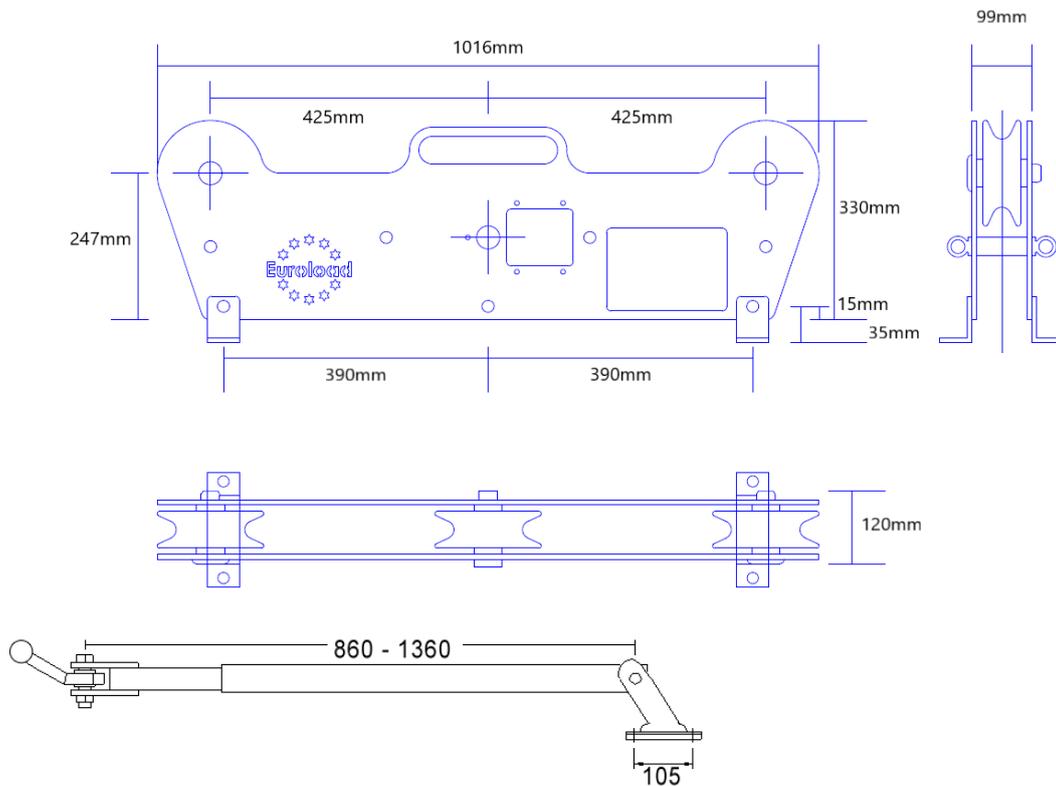
### ***Possible mounts***

- Standard foot mount
- Prop shaft/Swivel Mount
- Hook and Chain Mount

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## Model 4D Dynamometer

The Model 4 Dynamometer can measure up to **60** tons of cable tension.



### ***Sheave sizes***

42mm, 44mm, 48mm, 50mm and 52mm

***Note. You can buy 1 off RLM complete and 2 extra sets of wheels to cover all wire sizes. When changing wheels over you need to recalibrate the unit against the correct wire size.***

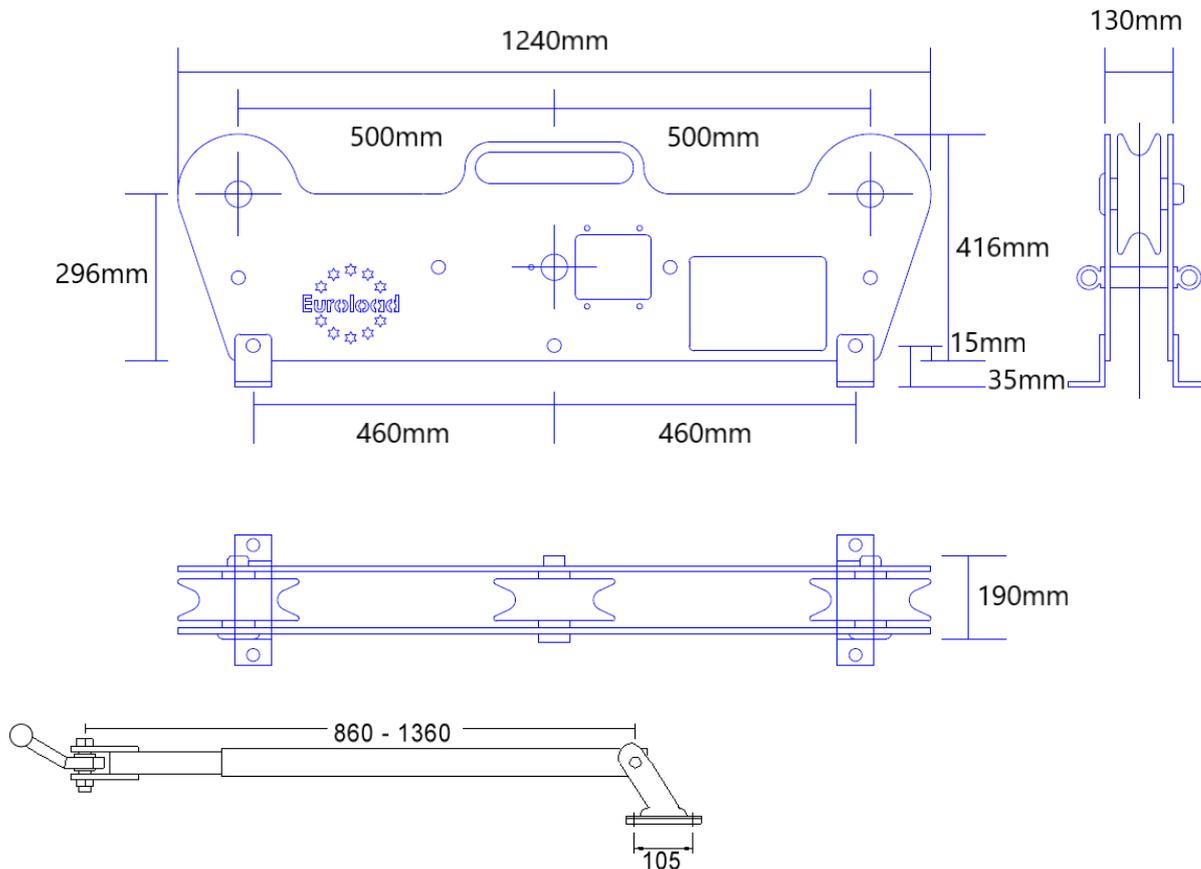
### ***Possible mounts***

- Standard foot mount
- Prop shaft/Swivel Mount
- Hook and Chain Mount

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## Model 5E Dynamometer

The Model 5E Dynamometer can measure up to **150** tons of cable tension



### ***Sheave sizes***

50mm, 52mm up to 100mm

***Note. You can buy 1 off RLM complete and 2 extra sets of wheels to cover all wire sizes. When changing wheels over you need to recalibrate the unit against the correct wire size.***

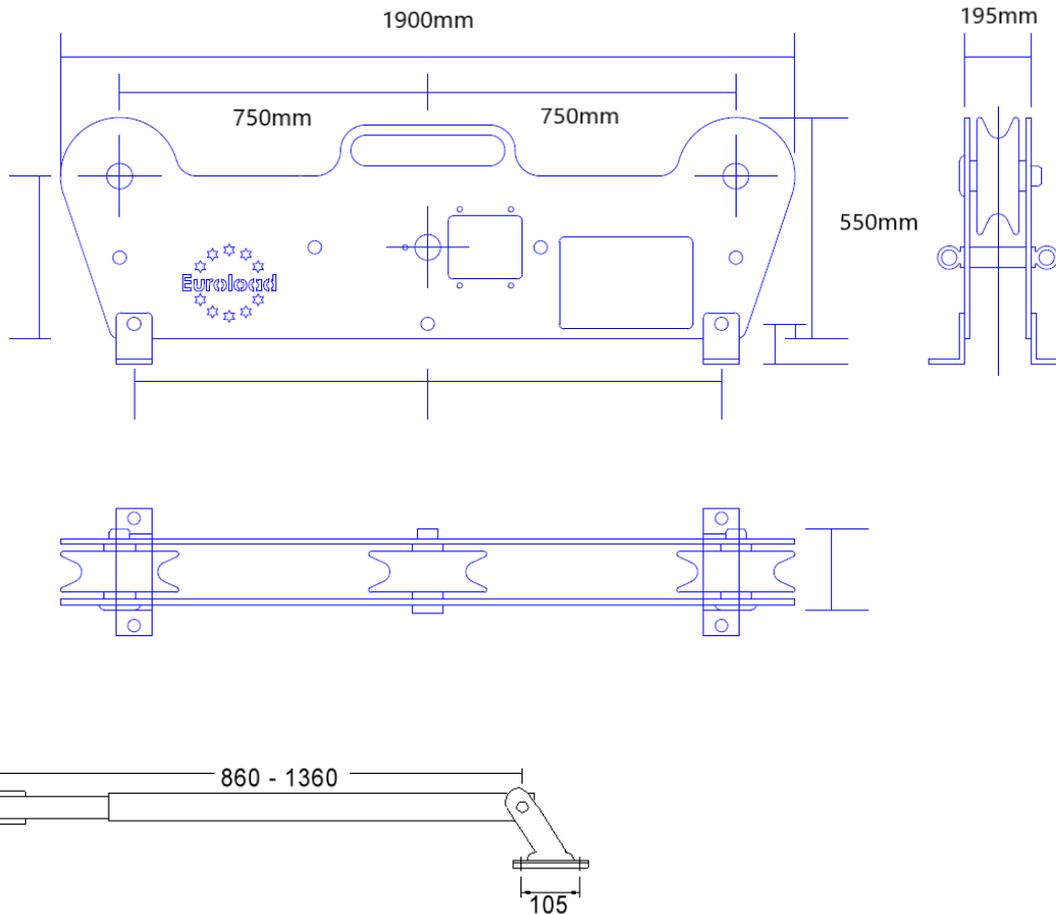
### ***Possible mounts***

Standard foot mount  
Prop shaft/Swivel Mount  
Hook and Chain Mount

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## Model 6F Dynamometer

The Model 6F Dynamometer can measure up to **250** tons of cable tension



### ***Sheave sizes***

Up to 100mm

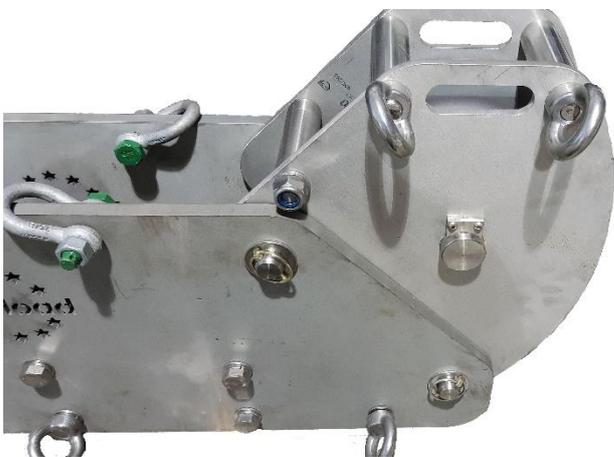
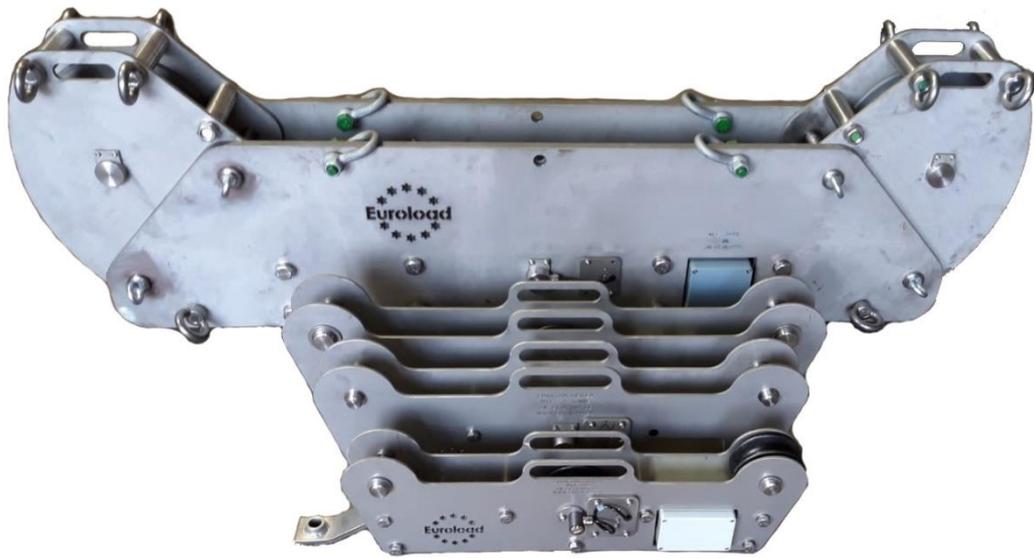
***Note. You can buy 1 off RLM complete and 2 extra sets of wheels to cover all wire sizes. When changing wheels over you need to recalibrate the unit against the correct wire size.***

### ***Possible mounts***

Standard foot mount  
Prop shaft/Swivel Mount  
Hook and Chain Mount

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## Model 6F 87mm Gallery



Multiple mounting points.  
Fully stainless steel (steel coated sheaves).  
No tools required to mount unit.  
High spec bearings for minimal wire wear.

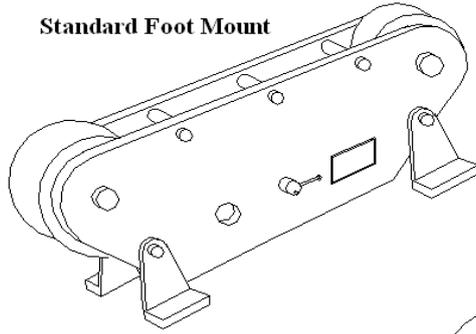
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## Carry Cases

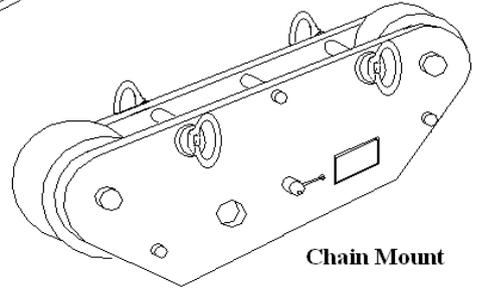
*Euroload can supply purpose-built flight cases to house our running line monitor. The case holds the running line monitor with all possible mounts fitted (prop shaft supplied separate), handset, batteries, laptop, USB telemetry receiver.*



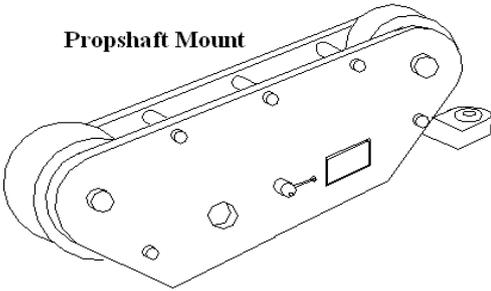
**Standard Foot Mount**



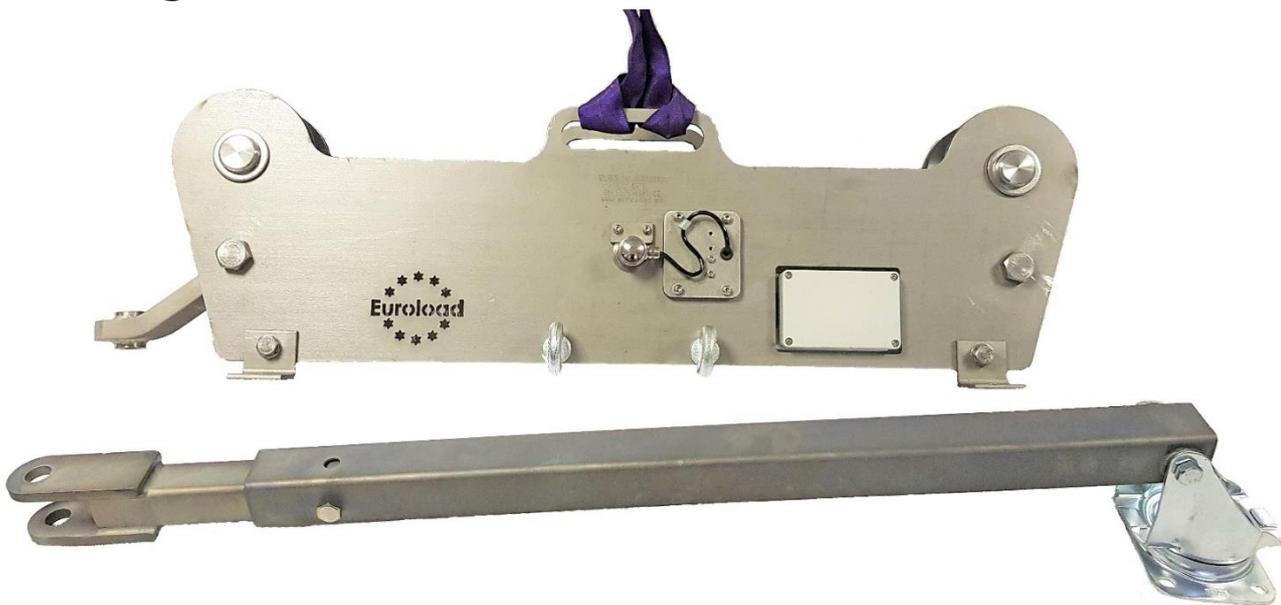
**Chain Mount**



**Propshaft Mount**



## Mounting Information





## Contact Information

The information displayed in this data sheet has been written to the highest standard. While we have tried our best to make sure the information is as descriptive as possible. There may be information that is omitted or missing. If this is the case, then feel free to contact us regarding any information on this product.

### United Kingdom

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