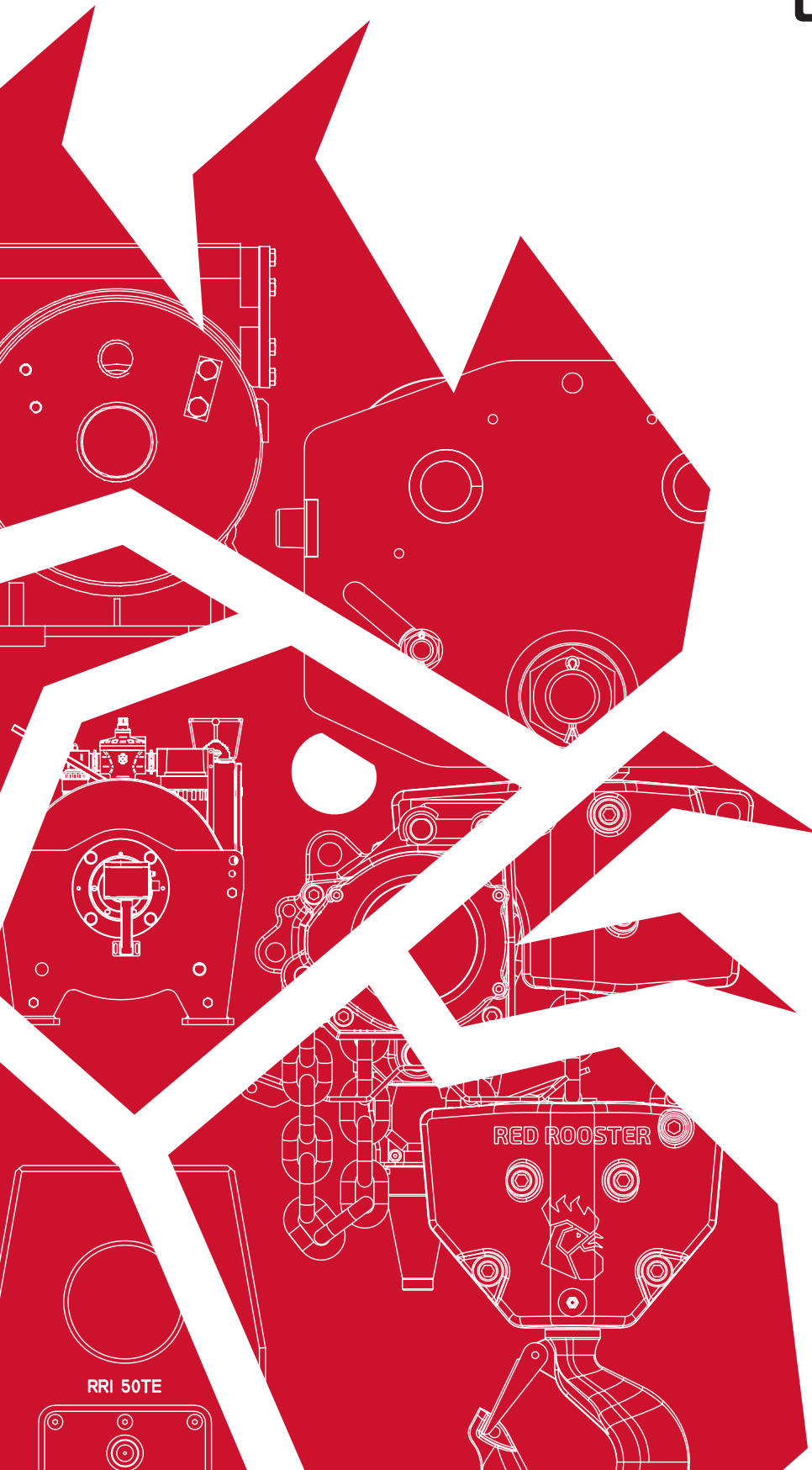




RED ROOSTER LIFTING

LOAD MEASURING
CATALOGUE
2023



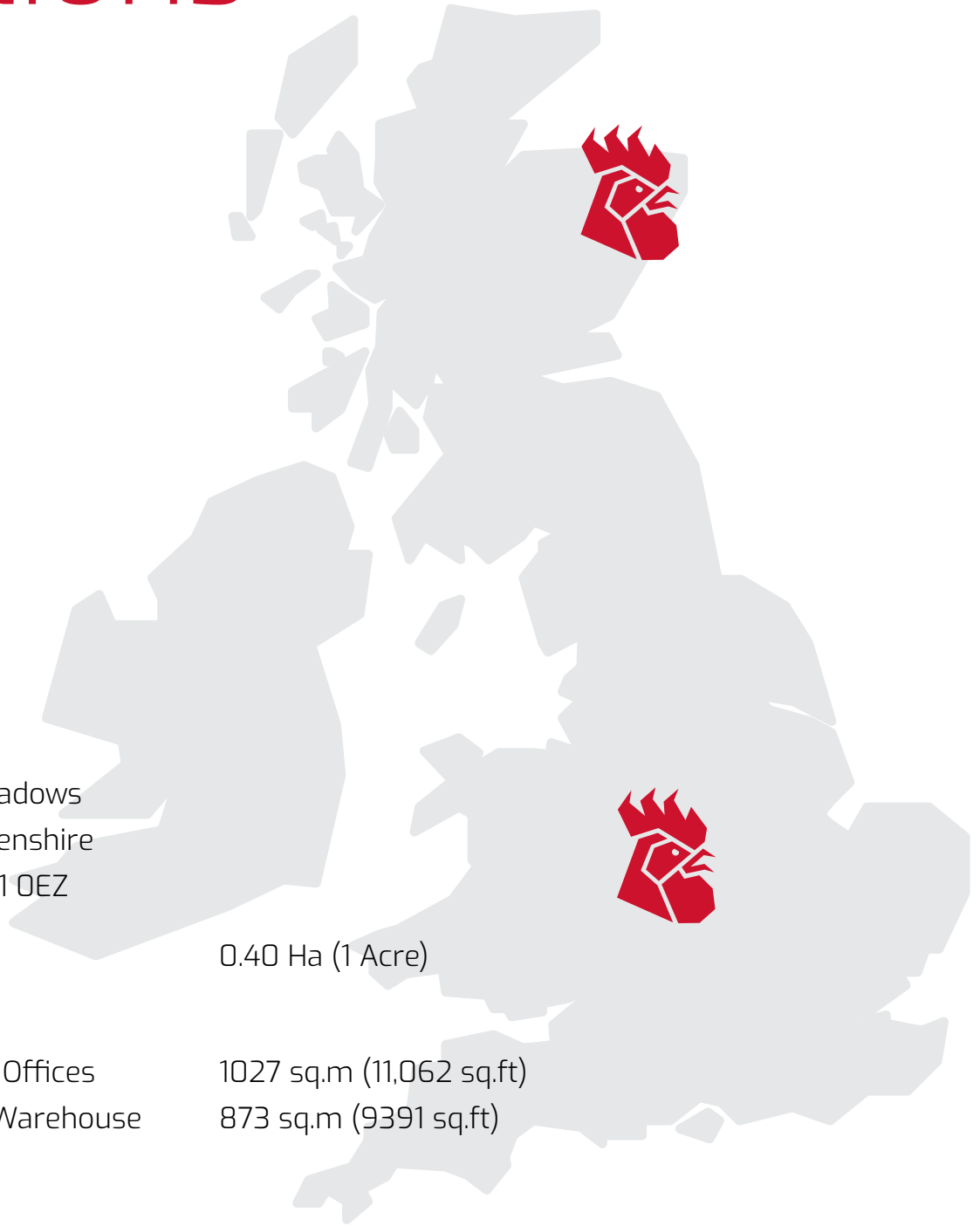
30 YEARS OF
RAISING
EXPECTATIONS



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Locations



ABERDEEN

Nauta House, The Meadows
Oldmeldrum, Aberdeenshire
United Kingdom, AB51 0EZ

SITE

0.40 Ha (1 Acre)

FLOOR AREA

Main Workshops and Offices

1027 sq.m (11,062 sq.ft)

Assembly Shop and Warehouse

873 sq.m (9391 sq.ft)

WEST BROMWICH

Unit 26, Kelvin Way Trading Estate
Kelvin Way, West Bromwich
United Kingdom, B70 7TW

FLOOR AREA

Offices, Workshop and Warehouse

851 sq.m (9166 sq.ft)



Sectors

Red Rooster Lifting serving global industry

Oil & Gas

Renewables

Marine

Heavy Engineering

Utilities

Agriculture

Chemical

Refineries

Mining

Food & Drink

Construction

Ship Building



There's a reason you'll see our distinctive Red Rooster logo on lifting equipment and load cells offshore and in power plants, refineries, and shipyards across the world. It's because ..

Red Rooster Lifting

Your **No.1** choice
for safety, service,
quality & integrity

About

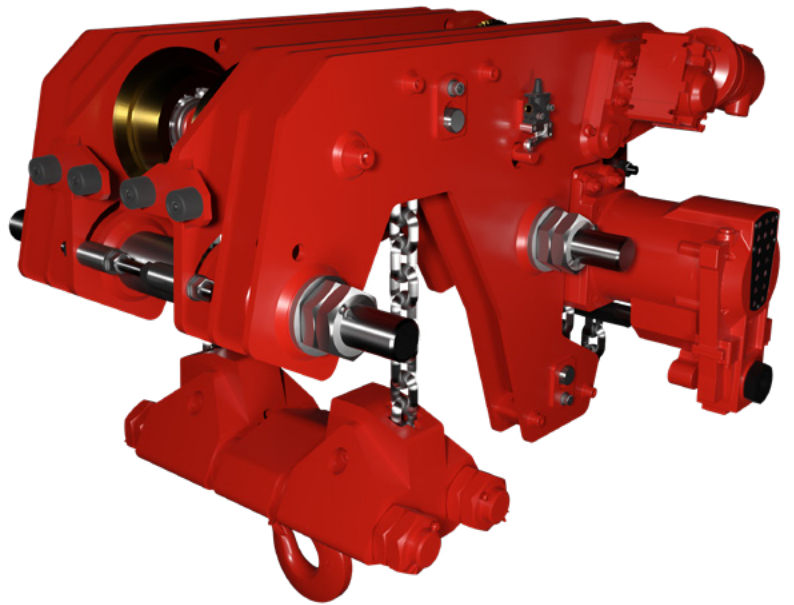
For over 30 years **Red Rooster Lifting** has specialised in the supply, rental and servicing of **the best** powered lifting and load measuring **solutions** in the world

We are continually improving our designs and quality systems to ensure the products and services we supply are of the highest quality. We are investing in technology to streamline production and importantly we are investing in our people to promote awareness, responsibility and exceptional customer service.

You'll see our distinctive Red Rooster logo on lifting equipment and load links offshore, on assembly lines, in power plants, refineries, and shipyards across the world.

We are nothing without our people who are all equipped with the product knowledge and expert support to quickly confirm suitability, availability and pricing for all of your lifting requirements.

With our vast experience we can offer technical backup, advice on installation and assistance with breakdowns or a full repair and testing service from our rapid response maintenance facility.



Our product range covers Red Rooster air hoists, EMCE winches, KITO electric hoists, KITO manual hoists, KITO Van Leusden specialised equipment, Verton load management and Red Rooster load measuring equipment.

We have been involved in many global lifting projects over the last 30 years including the substantial Claire Ridge and Culzean offshore installations along with two very different challenges for us, the new Queensferry Crossing in Scotland and St Paul's Cathedral bell restoration in London.



LOW HEADROOM AIR HOIST

LIFTING

Low headroom chain hoist and trolley range
This is part of our air hoist and trolley range
suitable for industry

The Red Rooster Lifting TCR series of air hoists offers a comprehensive range of lifting equipment suited to all types of industrial and marine environments. Red Rooster Lifting hoists are the perfect lifting solution for where the duty is high or where a robust hoist is required to withstand harsh conditions. The hoists comply with the European Machinery Directive and are all CE marked.

STANDARD FEATURES

- Three working wire ropes
- ATEX zone 2 certification
- Hydraulic automatic reversed drive brake
- Overhaul & repair time switches
- Chain & hook housing
- Automatic starting device (S-STOP)
- Safety safety catch device with safety catch
- Load chain of European manufacture (EN818-2)
- Automatic load limiter

AVAILABLE OPTIONS

- Multiple specifications
- Customised solutions
- ATEX zone 1 certification
- ATEX zone 2 certification
- ATEX zone 3 certification
- ATEX zone 4 certification
- ATEX zone 5 certification
- ATEX zone 6 certification
- ATEX zone 7 certification
- ATEX zone 8 certification
- ATEX zone 9 certification
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- ATEX zone 98 certification
- ATEX zone 99 certification
- ATEX zone 100 certification



Red Rooster Lifting Ltd
www.redroosterlifting.com
01203 250100

Red Rooster Lifting Limited is a member of The Red Rooster Group of companies. Registered in the UK. 01203 250100





Cabled Load Cell





**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

RRI-CM | 5 TO 50 TONNE CABLED LOAD CELL

The **RRI-CM** is a cabled load cell from Red Rooster Lifting's load measuring range. The cells range in capacity from 5 to 500 tonne.

Our RRI-CM range of cabled load cell products has been developed from our well proven SWLD range to meet the ever increasing requirements of our customers. The cells are available across the full range in capacity from 5 tonne to 500 tonne, and are manufactured from low weight, high strength duralloy. All load cells are proof loaded to 150% of the rated capacity and have a safety factor of 5:1 (minimum) and IP68 ingress protection. The ergonomically designed handset, with tactile switch membrane, allows one handed operation and is environmentally sealed against water and dust to IP64. An easily accessible battery compartment allows the two "AA" batteries to be changed quickly.

STANDARD FEATURES

- Intuitive keypad and menu operation
- On/Off
- Tare
- Zero
- Peak hold
- Low battery indicator
- Battery level indicator
- 2 x "AA" Alkaline battery or USB powered
- Large LCD display 128 x 64 pixels
- Programmable unit
- Smart soft keys
- USB connectivity
- 10m cable length from cell to handset
- Backlit display

AVAILABLE OPTIONS

- Rechargeable lithium batteries in handset for extended life
- Auto turn off after 5 minutes non use
- Carry case with strap
- USB cable
- Fixed mounting
- Alarm



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RRI-CM | 5 TO 50 TONNE CABLED LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

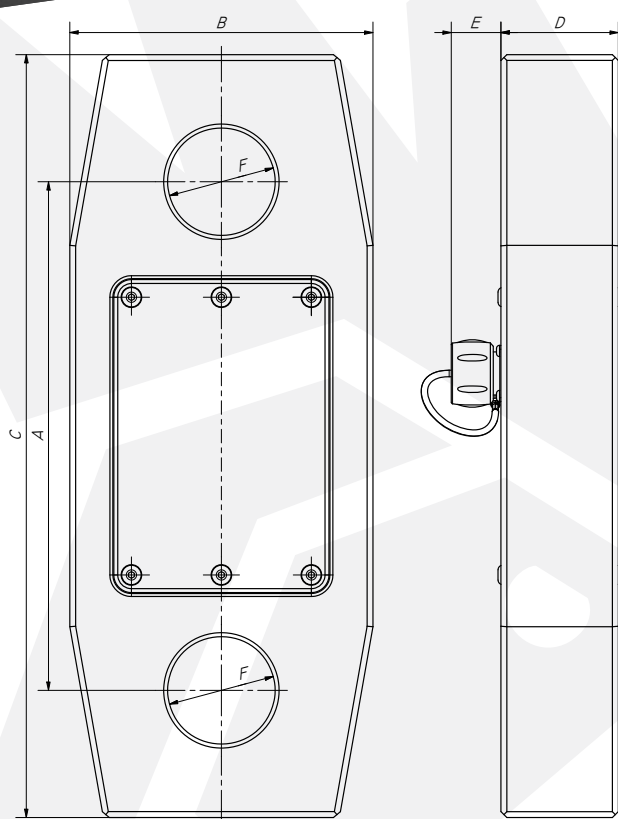
DIMENSIONS

All measurements are in mm

Information subject to change without notice

*Based on a BS1610 Grade 1 Calibration Machine

**Depending on charge and conditions



MODEL	A	B	C	D	E	FØ
RRI-C5M	225	125	290	32	25	27.5
RRI-C12.5M	245	135	345	50	20	45
RRI-C25M	260	155	390	60	25	55
RRI-C50M	300	185	480	75	20	75

LOAD CELL MODEL	RRI-C5M	RRI-C12.5M	RRI-C25M	RRI-C50M
CAPACITY	5 tonne	12.5 tonne	25 tonne	50 tonne
RESOLUTION	1 kg	1 kg	1 kg	1 kg
ACCURACY	< +/- 0.5% of FSD*			
TEMP RANGE	-10 °C to +50°C			
HANDSET DIMENSIONS	170mm x 94mm x 40mm (365g)			
HANDSET BATTERY	2 x "AA" Alkaline			
BATTERY LIFE	(Alkaline "AA") Continuous Use: Minimum 60 Hours**			
HANDSET DISPLAY	128 x 64 pixels			
SHACKLE SIZE	6.5 tonne	13.5 tonne	25 tonne	55 tonne
CELL WEIGHT	2.5 kg	4.5 kg	6.5 kg	13.0 kg
CELL WITH CASE	6.5 kg	8.5 kg	10.5 kg	19.0 kg



RRI-CM | 100 TO 500 TONNE CABLED LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

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Our RRI-CM range of cabled load cell products has been developed from our well proven SWLD range to meet the ever increasing requirements of our customers. The cells are available across the full range in capacity from 5 tonne to 500 tonne, and are manufactured from low weight, high strength duralloy. All load cells are proof loaded to 150% of the rated capacity and have a safety factor of 5:1 (minimum) and IP68 ingress protection. The ergonomically designed handset, with tactile switch membrane, allows one handed operation and is environmentally sealed against water and dust to IP64. An easily accessible battery compartment allows the two "AA" batteries to be changed quickly.

STANDARD FEATURES

- Intuitive keypad and menu operation
- On/Off
- Tare
- Zero
- Peak hold
- Low battery indicator
- Battery level indicator
- 2 x "AA" Alkaline battery or USB powered
- Large LCD display 128 x 64 pixels
- Programmable unit
- Smart soft keys
- USB connectivity
- 10m cable length from cell to handset
- Backlit display

AVAILABLE OPTIONS

- Rechargeable lithium batteries in handset for extended life
- Auto turn off after 5 minutes non use
- Carry case with strap
- USB cable
- Fixed mounting
- Alarm



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RRI-CM | 100 TO 500 TONNE CABLED LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

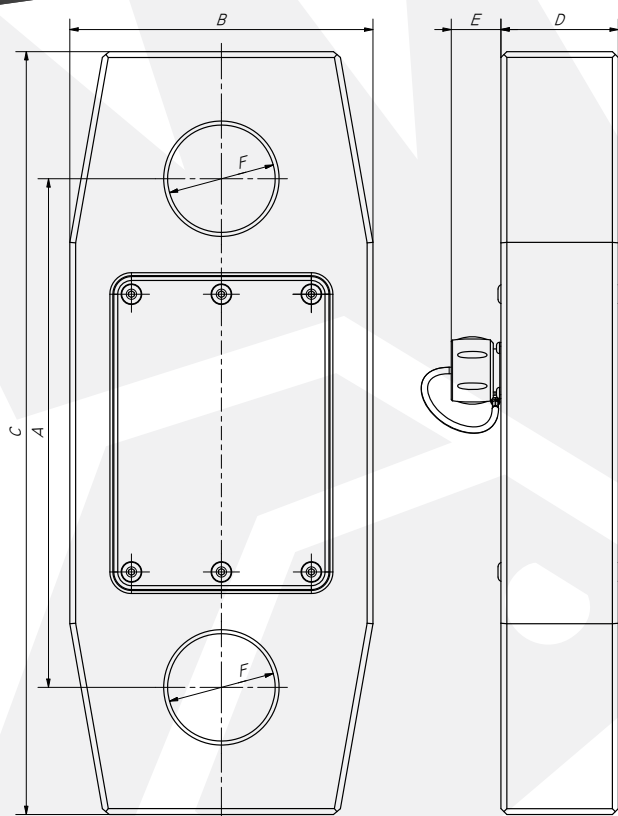
DIMENSIONS

All measurements are in mm

Information subject to change without notice

*Based on a BS1610 Grade 1 Calibration Machine

**Depending on charge and conditions



MODEL	A	B	C	D	E	FØ
RRI-C100M	450	300	700	120	20	100
RRI-C150M	520	325	820	135	20	120
RRI-C200M	540	350	890	150	20	145
RRI-C300M	600	450	1050	160	20	180
RRI-C400M	630	470	1120	190	20	190
RRI-C500M	680	500	1180	190	12	210

LOAD CELL MODEL	RRI-C100M	RRI-C150M	RRI-C200M	RRI-C300M	RRI-C500M	RRI-C500M
CAPACITY	100 tonne	150 tonne	200 tonne	300 tonne	400 tonne	500 tonne
RESOLUTION	1 kg	1 kg	1 kg	1 kg	1 kg	1 kg
ACCURACY	< +/- 1% of FSD*					
TEMP RANGE	-10 °C to +50°C					
HANDSET DIMENSIONS	170mm x 94mm x 40mm (365g)					
HANDSET BATTERY	2 x "AA" Alkaline					
BATTERY LIFE	(Alkaline "AA") Continuous Use: Minimum 60 Hours**					
HANDSET DISPLAY	128 x 64 pixels					
SHACKLE SIZE	120 tonne	150 tonne	200 tonne	300 tonne	400 tonne	500 tonne
CELL WEIGHT	50 kg	75 kg	95 kg	160 kg	215 kg	235 kg



Telemetry Load Cell





RRI-TM | 5 TO 50 TONNE TELEMETRY LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

The **RRI-TM** is a telemetry load cell from Red Rooster Lifting's load measuring range. The cells range in capacity from 5 to 500 tonne.

Our RRI-TM range of wireless load cell products has been developed to meet the ever increasing requirements of our customers. The cells range in capacity from 5 tonne to 500 tonne, and are manufactured from low weight, high strength duralloy. All load cells are proof loaded to 150% of the rated capacity and have a safety factor of 5:1 (minimum) and IP68 ingress protection. The ergonomically designed handset, with tactile switch membrane, allows one handed operation and is environmentally sealed against water and dust to IP67. An easily accessible battery compartment allows the two "AA" batteries to be changed quickly. Both the cell and the handset are supplied in a single robust carry case for added protection up to 50 tonne.

STANDARD FEATURES

- On/Off
- Tare
- Peak hold
- Range 500m
- Battery level indicator
- Frequency 2.4 GHz
- Eight digit display
- Two selectable units of measurement
- Robust carry case
- Load cell battery lasts 6 months on standby
- Remote turn off on load cell
- Replaceable batteries in display and cell

AVAILABLE OPTIONS

- Printer and logging output options
- Rechargeable AA lithium batteries in handset for extended life
- Cell supplied for use with rechargeable lithium-Ion battery pack and charger
- Auto turn off after 5 minutes non use
- Backlit display



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RRI-TM | 5 TO 50 TONNE TELEMETRY LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

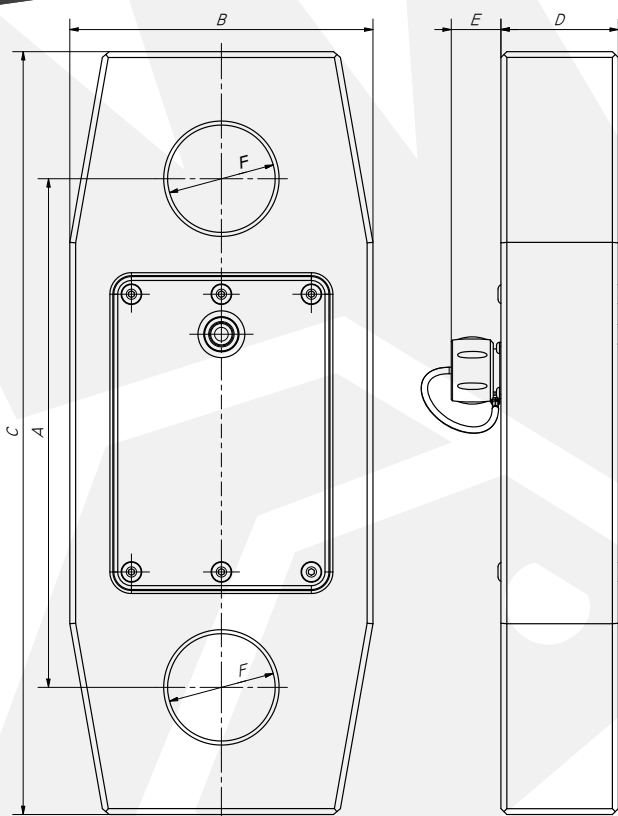
DIMENSIONS

All measurements are in mm

Information subject to change without notice

*Based on a BS1610 Grade 1 Calibration Machine

**Depending on charge and conditions



MODEL	A	B	C	D	E	FØ
RRI-T5	225	125	290	60	25	27.5
RRI-T12.5	245	135	345	60	20	45
RRI-T25	260	155	390	60	25	55
RRI-T50	300	185	480	75	20	75

LOAD CELL MODEL	RRI-T5	RRI-T12.5	RRI-T25	RRI-T50
CAPACITY	5 tonne	12.5 tonne	25 tonne	50 tonne
RESOLUTION	1 kg	1 kg	1 kg	1 kg
ACCURACY	< +/- 0.5% of FSD*			
TEMP RANGE	-10 °C to +40°C			
HANDSET DIMENSIONS	152mm x 90mm x 34mm			
HANDSET BATTERY	2 x "AA" Alkaline			
LOAD CELL BATTERY	2 x "AA" Alkaline			
BATTERY LIFE	(Alkaline "AA") Continuous Use: Minimum 54 Hours** OR Rechargeable continuous Use: 1 week**			
SHACKLE SIZE	6.5 tonne	13.5 tonne	25 tonne	55 tonne
CELL WEIGHT	2.5 kg	4.5 kg	6.5 kg	13.0 kg
CELL WITH CASE	6.5 kg	8.5 kg	10.5 kg	19.0 kg



RRI-TM | 100 TO 500 TONNE TELEMETRY LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

The **RRI-TM** is a telemetry load cell from Red Rooster Lifting's load measuring range. The cells range in capacity from 5 to 500 tonne.

Our RRI-TM range of wireless load cell products has been developed to meet the ever increasing requirements of our customers. The cells range in capacity from 5 tonne to 500 tonne, and are manufactured from low weight, high strength duralloy. All load cells are proof loaded to 150% of the rated capacity and have a safety factor of 5:1 (minimum) and IP68 ingress protection. The ergonomically designed handset, with tactile switch membrane, allows one handed operation and is environmentally sealed against water and dust to IP67. An easily accessible battery compartment allows the two "AA" batteries to be changed quickly. Both the cell and the handset are supplied in a single robust carry case for added protection up to 50 tonne.

STANDARD FEATURES

- On/Off
- Tare
- Peak hold
- Range 500m
- Battery level indicator
- Frequency 2.4 GHz
- Eight digit display
- Two selectable units of measurement
- Robust carry case
- Load cell battery lasts 6 months on standby
- Remote turn off on load cell
- Replaceable batteries in display and cell

AVAILABLE OPTIONS

- Printer and logging output options
- Rechargeable AA lithium batteries in handset for extended life
- Cell supplied for use with rechargeable lithium-Ion battery pack and charger
- Auto turn off after 5 minutes non use
- Backlit display



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RRI-TM | 100 TO 500 TONNE TELEMETRY LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

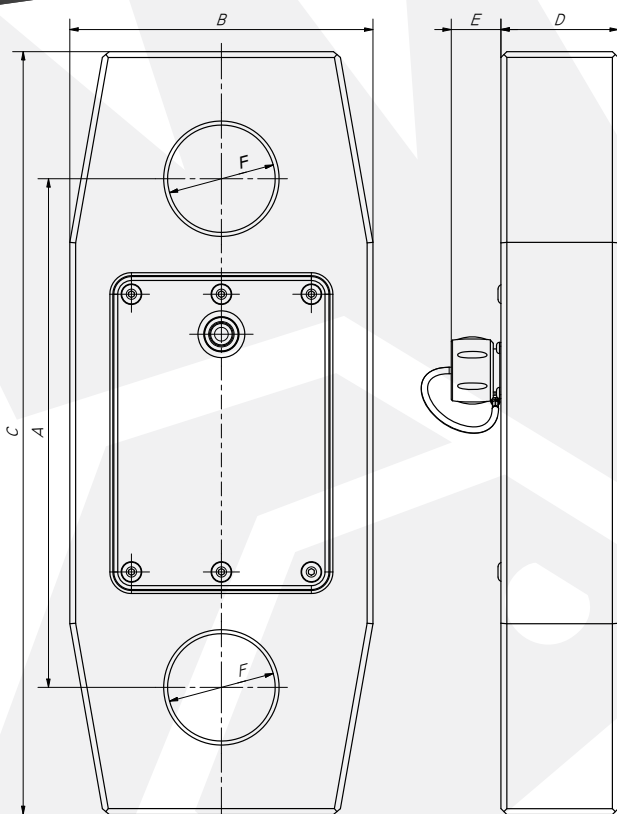
DIMENSIONS

All measurements are in mm

Information subject to change without notice

*Based on a BS1610 Grade 1 Calibration Machine

**Depending on charge and conditions



MODEL	A	B	C	D	E	FØ
RRI-T100	450	300	700	120	20	100
RRI-T150	520	325	820	135	20	120
RRI-T200	540	350	890	150	20	145
RRI-T300	600	450	1050	160	20	180
RRI-T400	630	470	1120	190	20	190
RRI-T500	680	500	1180	190	12	210

LOAD CELL MODEL	RRI-T100	RRI-T150	RRI-T200	RRI-T300	RRI-T400	RRI-T500
CAPACITY	100 tonne	150 tonne	200 tonne	300 tonne	400 tonne	500 tonne
RESOLUTION	1 kg	1 kg	1 kg	1 kg	1 kg	1 kg
ACCURACY	< +/- 1% of FSD*					
TEMP RANGE	-10 °C to +40°C					
HANDSET DIMENSIONS	152mm x 90mm x 34mm					
HANDSET BATTERY	2 x "AA" Alkaline					
LOAD CELL BATTERY	2 x "AA" Alkaline					
BATTERY LIFE	(Alkaline "AA") Continuous Use: Minimum 54 Hours** OR Rechargeable continuous Use: 1 week**					
SHACKLE SIZE	120 tonne	150 tonne	200 tonne	300 tonne	400 tonne	500 tonne
CELL WEIGHT	50 kg	75 kg	95 kg	160 kg	215 kg	235 kg



ATEX Load Cell





RRI-T-ATEX | 5 TO 50 TONNE ATEX/IECEX WIRELESS LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

The **RRI-T-ATEX** is an ATEX load cell from Red Rooster Lifting's wireless range. The cells range in capacity from 5 to 500 tonne.

The RRI-T-ATEX load cells are manufactured from a high strength low weight Duralloy with a factor of safety of 7:1 on the smaller cells and 5:1 on the larger cells with all being proof loaded to 150% of the rated capacity.

Our Wireless Load Cells come fully certified for use in hazardous areas, are environmentally sealed, come with advanced technology and are easy to operate. See the product data sheet for a full specification.

The handset is easily operated with one hand with a tactile switch membrane and is sealed to IP67. The easily accessible battery compartments in the hand set and the load link allows the Energiser L91 Lithium 'AA' batteries to be easily changed in a safe area.

STANDARD FEATURES

- Tare
- Zero & peak hold
- High resolution
- 5 Tonne to 500 Tonne
- Range 500m
- Lightweight high strength aluminium alloy
- Frequency 2.4 GHz
- Robust carry case
- Long battery life with battery level indicator
- Turn off on load cell or remotely from handset
- Replaceable batteries in display and cell
- High factor of safety

GAS ZONES 1 + 2 DUST ZONES 21 + 22



II 2 GD

Ex ib IIC T4 GB
Ex ib IIIC T135°C DB



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RRI-T-ATEX | 5 TO 50 TONNE ATEX/IECEX WIRELESS LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

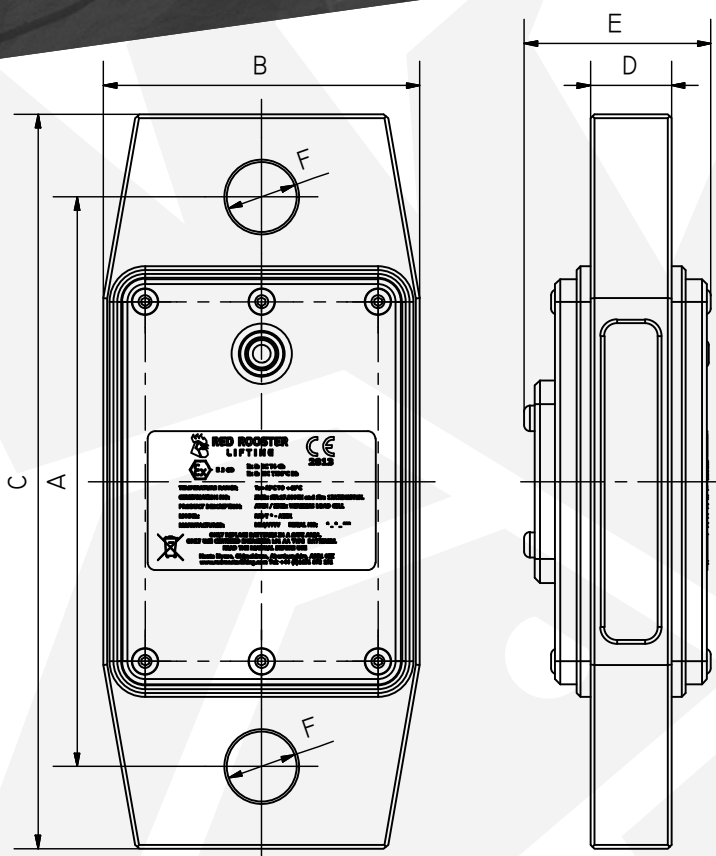
DIMENSIONS

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**Depending on charge and conditions



MODEL	A	B	C	D	E	FØ
RRI-T5-ATEX	225	125	290	32	74	27.5
RRI-T12.5-ATEX	245	135	345	50	74	45
RRI-T25-ATEX	260	155	390	60	74	55
RRI-T50-ATEX	300	185	480	75	89	75

LOAD CELL MODEL	RRI-T5-ATEX	RRI-T12.5-ATEX	RRI-T25-ATEX	RRI-T50-ATEX
CAPACITY	5 tonne	12.5 tonne	25 tonne	50 tonne
RESOLUTION	1 kg	1 kg	1 kg	1 kg
ACCURACY	< +/- 0.5% of FSD*			
TEMP RANGE	-20 °C to +40°C			
IP RATING	IP67			
HANDSET DIMENSIONS	152mm x 90mm x 34mm (270g)			
HANDSET DISPLAY	8 digit x 9mm			
HANDSET BATTERY	Use Only 2 x Energizer L91 "AA" Batteries			
LOAD CELL BATTERY	Use Only 2 x Energizer L91 "AA" Batteries			
BATTERY LIFE	Lithium "AA" 12 x 5 min sessions per day: 2 Months Continuous use: 54 Hours			
SHACKLE SIZE	6.5 tonne	13.5 tonne	25 tonne	55 tonne
CELL WEIGHT	2.5 kg	4.5 kg	6.5 kg	13.0 kg
CELL WITH CASE	6.5 kg	8.5 kg	10.5 kg	19.0 kg

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RRI-T-ATEX | 100 TO 500 TONNE ATEX/IECEX WIRELESS LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

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STANDARD FEATURES

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- Replaceable batteries in display and cell
- High factor of safety

GAS ZONES 1 + 2 DUST ZONES 21 + 22



II 2 GD

Ex ib IIC T4 GB
Ex ib IIIC T135°C DB



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RRI-T-ATEX | 100 TO 500 TONNE ATEX/IECEX WIRELESS LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

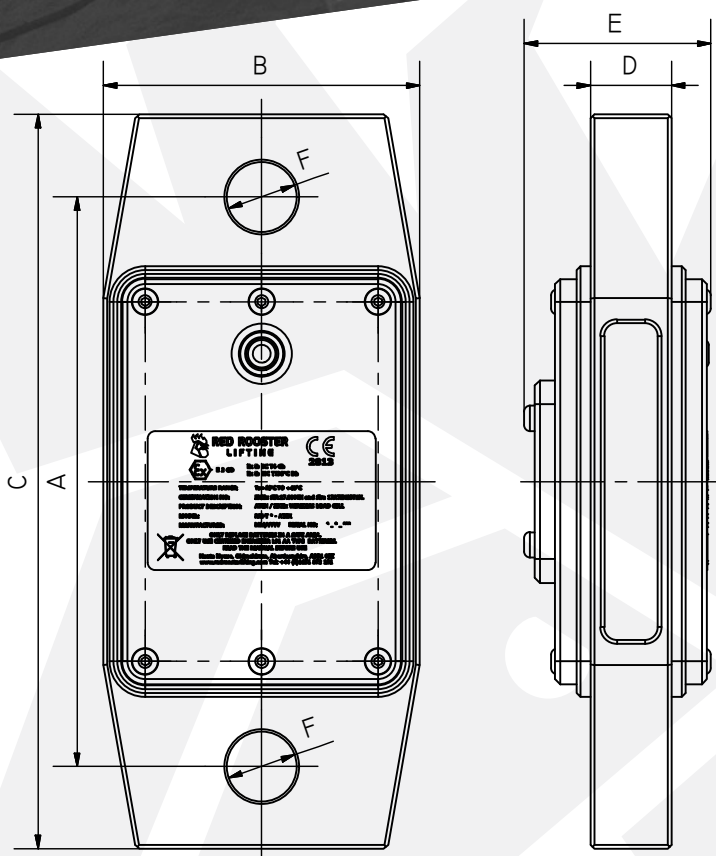
DIMENSIONS

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**Depending on charge and conditions



MODEL	A	B	C	D	E	FØ
RRI-T100-ATEX	450	300	700	120	135	100
RRI-T150-ATEX	520	325	820	135	150	120
RRI-T200-ATEX	540	350	890	150	165	145
RRI-T300-ATEX	600	450	1050	160	175	180
RRI-T400-ATEX	630	470	1120	190	205	190
RRI-T500-ATEX	680	500	1180	190	205	210

LOAD CELL MODEL	RRI-T100-ATEX	RRI-T150-ATEX	RRI-T200-ATEX	RRI-T300-ATEX	RRI-T400-ATEX	RRI-T500-ATEX
CAPACITY	100 tonne	150 tonne	200 tonne	300 tonne	400 tonne	500 tonne
RESOLUTION	1 kg	1 kg	1 kg	1 kg	1 kg	1 kg
ACCURACY	< +/- 1% of FSD*					
TEMP RANGE	-20 °C to +40 °C					
IP RATING	IP67					
HANDSET DIMENSIONS	152mm x 90mm x 34mm (270g)					
HANDSET DISPLAY	8 digit x 9mm					
HANDSET BATTERY	Use Only 2 x Energizer L91 "AA" Batteries					
LOAD CELL BATTERY	Use Only 2 x Energizer L91 "AA" Batteries					
BATTERY LIFE	Lithium "AA" 12 x 5 min sessions per day: 2 Months Continuous use: 54 Hours					
SHACKLE SIZE	120 tonne	150 tonne	200 tonne	300 tonne	400 tonne	500 tonne
CELL WEIGHT	50 kg	75 kg	95 kg	160 kg	215 kg	235 kg



Load Shackles



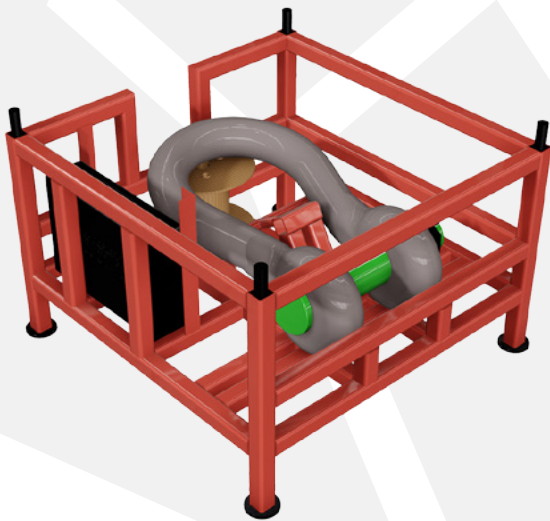


**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

RR-S SHACKLE CABLED OR TELEMETRY

The **RR-S** is a load shackle from Red Rooster Lifting's load measuring equipment range. The shackles range in capacity from 25 to 300 tonne.



Produced in capacities from 25 tonne to 500 tonne. The load shackle body is manufactured from galvanised alloy steel. The shackle pin (nickel steel up to 35 tonne, alloy steel on larger capacities) is retained in the shackle body by means of a nut and split pin, and an anti-rotation device is incorporated in the pin to ensure correct alignment. The pin itself is through bored and strain gauges are internally resin bonded at both shear planes. A close fitting tapered steel bobbin is included to ensure that the load is applied through the midline of the shackle pin. Load cell shackles are available in both cabled (RR-SC) and radio telemetry (RR-ST) versions. Up to 50 tonne capacity accuracy is better than 0.5% F.S.D. over 50 tonne accuracy is better than 1.0% F.S.D.

STANDARD FEATURES

- Strain gauges fitted within the bore of the shackle pin for max protection
- Bow or 'D' type shackle to US Federal specification RR-C-271 and European standard EN 13889
- IP68 protection
- Robust waterproof plugs and sockets
- Interface to IKON-X or IKON-CABLED display
- Mains battery charger for shackle
- Handheld display powered by 4 x "AA" batteries
- 8 digit x 8mm display
- Robust carry case for display unit
- Rechargeable battery in telemetry load shackle

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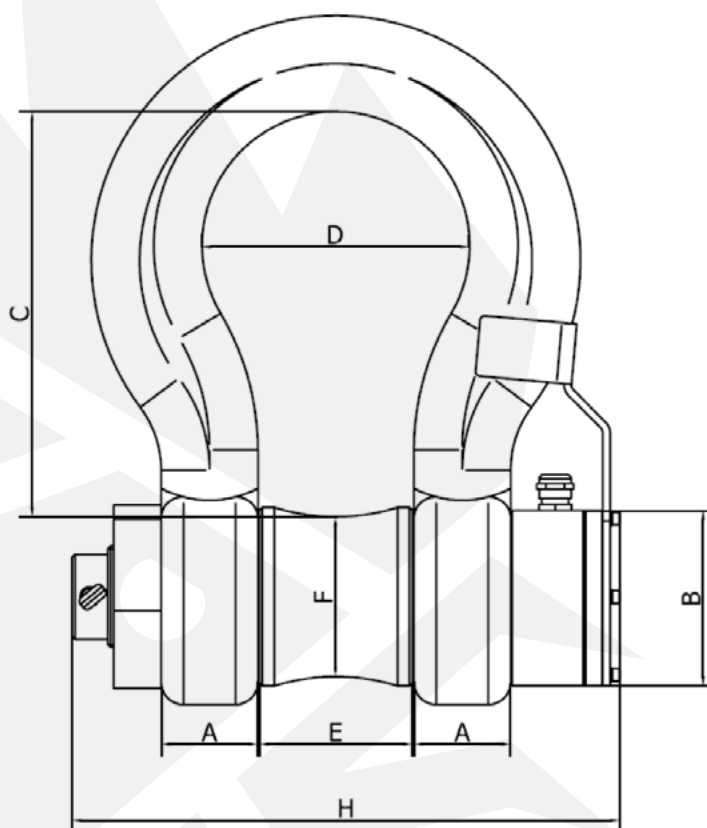
RR-S SHACKLE CABLED OR TELEMETRY

**RED ROOSTER
LIFTING**

DIMENSIONS

All measurements are in mm
Information subject to change without notice

RAISING EXPECTATIONS



TECHNICAL SPECIFICATION

CABLED	TELEMETRY	CAPACITY	A	B	C	D	E	F	H	WEIGHT
RR-SC25	RR-ST25	25 tonne	50	120	182	111	83	85	320	~25 kg
RR-SC50	RR-ST50	50 tonne	66	140	255	177	105	95	405	~41 kg
RR-SC70	RR-ST70	70 Tonne	72	140	310	190	127	110	426	~65 kg
RR-SC85	RR-ST85	85 tonne	73	140	335	195	128	110	540	~70 kg
RR-SC120	RR-ST120	120 tonne	94	140	373	239	150	118	540	~90 kg
RR-SC150	RR-ST150	150 tonne	100	140	380	265	165	150	620	~194 kg
RR-SC175	RR-ST175	175 tonne	113	140	485	290	175	186	620	~265 kg
RR-SC250	RR-ST250	250 tonne	115	140	495	305	200	200	675	~450 kg
RR-SC300	RR-ST300	300 tonne	120	140	600	305	200	220	790	~842 kg
TEMP RANGE		-10°C to +40°C								



Running Line Monitor



**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

RLM RUNNING LINE MONITOR

The **RLM** is a Running Line Monitor from Red Rooster Lifting's telemetry range. The cells range in capacity from 15 to 50 tonne.



Red Rooster Lifting's running line monitor is the perfect tool for measuring the tension in a travelling rope. The load measuring equipment can be tailored to suit your output requirements.

Produced to accept cable diameters from 13mm to 88mm, the Red Rooster RLM system electronically monitors the load on a running line (winch, crane, etc.) and is displayed digitally. It can optionally monitor the length of the line out and speed (including direction) in any engineering units.

STANDARD FEATURES

- Five wheel construction guides wire smoothly onto the monitoring wheel
- Wire may be fitted without tools, using a gloved hand
- Load pin forms shaft of centre wheel
- Strain gauges mounted in shaft bore (High impact protection & IP65)
- Wheels mounted on roller bearings with grease nipples

AVAILABLE OPTIONS

- Line speed monitoring
- Line out monitoring
- Mains operation
- PC interfacing & data logging



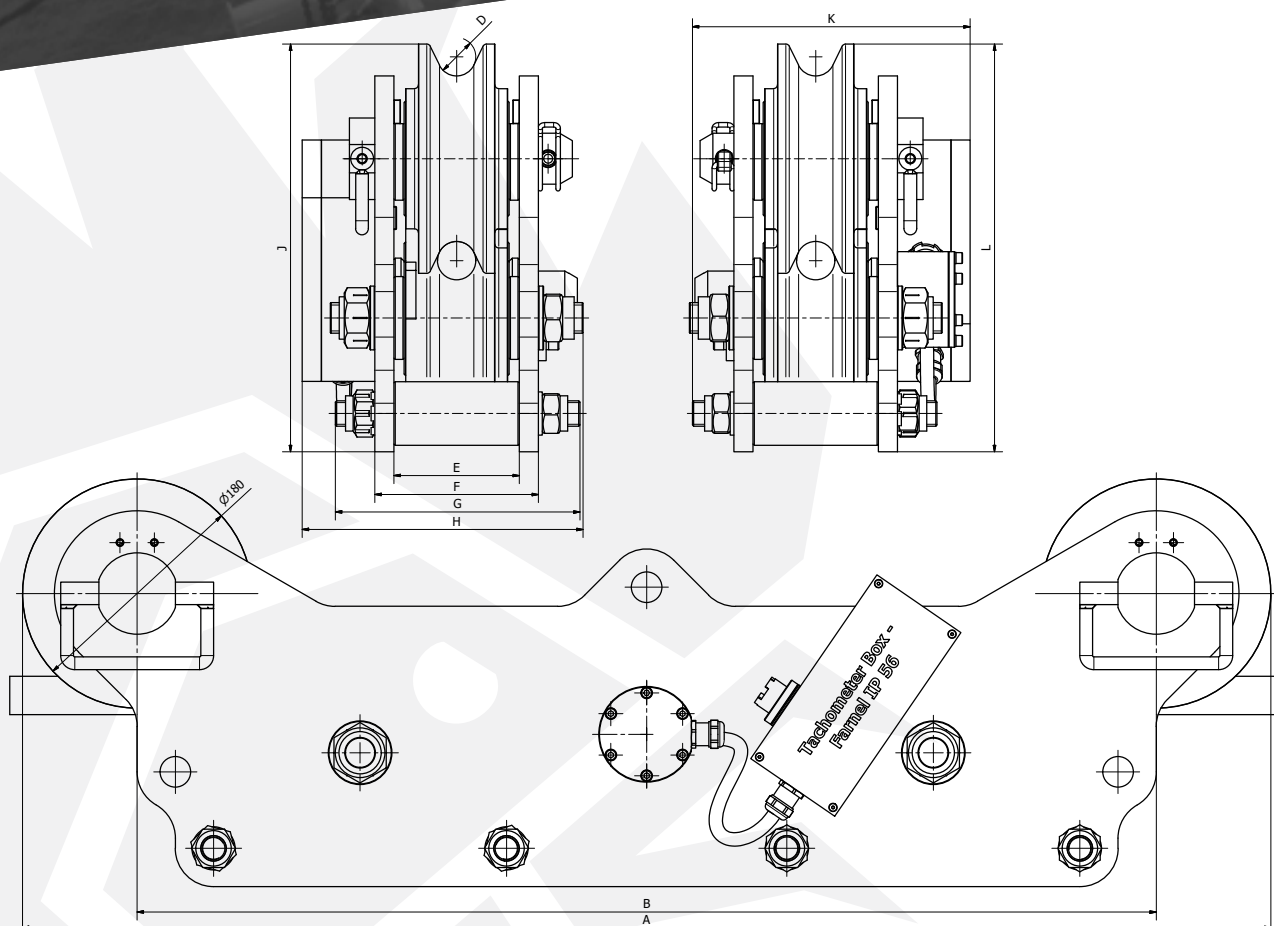
RLM RUNNING LINE MONITOR

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

DIMENSIONS

All measurements are in mm
Information subject to change without notice



TECHNICAL SPECIFICATION

MODEL	SUIT WIRE ROPE DIAMETER	MAXIMUM CAPACITY
RLM20	13mm - 26mm	15 tonne
RLM35	28mm - 40mm	35 tonne
RLM50	42mm - 48mm	50 tonne
RLM50+	50mm - 52mm	50 tonne

DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K	L
RLM20	980	800	180	30	98	128	192	220	320	218	320
RLM35	980	800	180	42	98	128	192	220	320	218	320
RLM50	980	800	180	To Suit	98	128	192	220	320	218	320
RLM50+	980	800	180	To Suit	98	128	192	220	320	218	320



Compression Load Cells





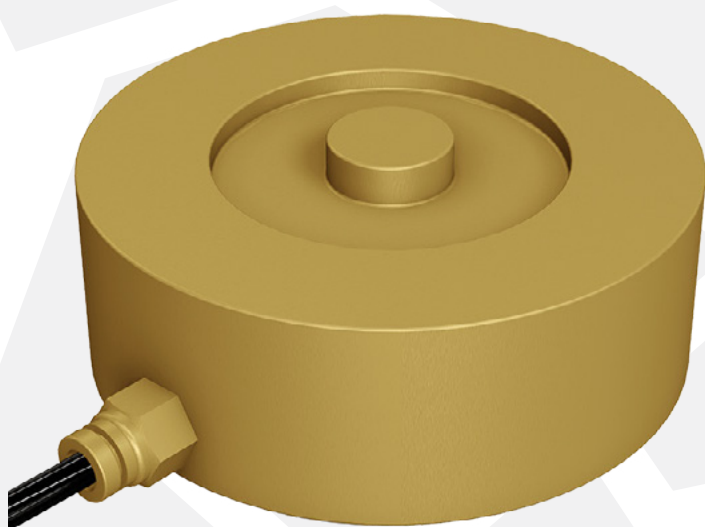
RED ROOSTER
LIFTING

RAISING EXPECTATIONS

RR-COM750 COMPRESSION LOAD CELL

The **RR-COM750** is a compression load cell from Red Rooster Lifting's load measuring equipment range. The cells range in capacity from 0.5 to 20 tonne.

Red Rooster Lifting have a wide range of load measuring equipment on offer. This compression load cell is manufactured in a range of capacities from 0.5 tonne to 20 tonne from high strength stainless steel with an integrated load button. High quality gauges are used throughout the range to deliver a high accuracy. High standard IP protection against water and dust ingress to IP68. Supplied as standard with an individual hand held display per load cell, or can be supplied as a system with multiple cells configured to one display.



TECHNICAL SPECIFICATION

STANDARD LOAD RANGES	Tonne	0.5, 1, 2, 5, 10, 20
SAFE SERVICE LOAD	%	150
ULTIMATE LOAD	%	300
INPUT RESISTANCE	Ω	750 +/- 20
OUTPUT RESISTANCE	Ω	700 +/- 5
OPERATIONAL TEMP RANGE	$^{\circ}\text{C}$	-20 to +70
ENVIRONMENTAL PROTECTION	IP68	
CONSTRUCTION	Stainless Steel	
INSULATION	G Ω	>2 at 100V.dc
Electrical Connections 6 Core Cable, Wired in Compression Mode		
RED	+ Input	
BLUE	- Input	
YELLOW	- Output	
GREEN	+ Output	

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RR-COM750

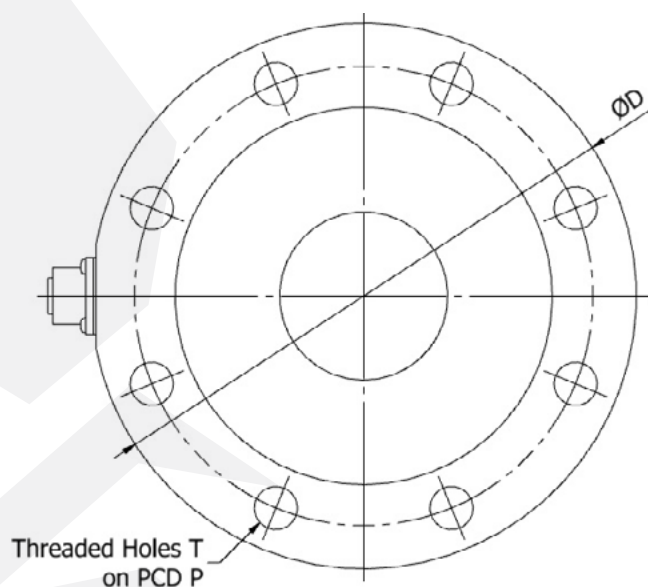
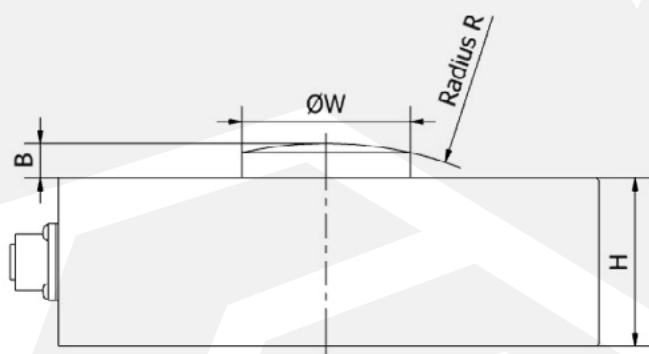
COMPRESSION LOAD CELL

RED ROOSTER
LIFTING

RAISING EXPECTATIONS

DIMENSIONS

All measurements are in mm
Information subject to change without notice



DIMENSIONS

CAPACITY (TONNE)	B	ØD	H	P	R	T	ØW
0.5, 1	4	59	21	42	50	M3 x 7	10
2, 5, 10, 20	5	98	35	72	150	M6 x 18	20

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RR-COM5500 COMPRESSION LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

The **RR-COM5500** is a compression load cell from Red Rooster Lifting's load measuring equipment range. The cells range in capacity from 0.5 kN to 50 kN.

This compression load cell is manufactured in a range of capacities from 0.5 kN to 50 kN from high strength aluminium. It can be wired for tension or compression.

High quality gauges are used throughout the range to deliver a high accuracy.

High standard IP protection against water and dust ingress to IP66.

It is supplied as standard with an individual hand held display per load cell, or can be supplied as a system with multiple cells configured to one display.

Various fittings can be screwed into the M12/M20 threaded holes, such as eye bolts, clevises and rods.



TECHNICAL SPECIFICATION

STANDARD LOAD RANGES	kN	0.5, 1, 2.5, 5, 10, 20, 50
SAFE SERVICE LOAD	%	150
ULTIMATE LOAD	%	300
INPUT RESISTANCE	Ω	380 +/- 30
OUTPUT RESISTANCE	Ω	350 +/- 2
CREEP AFTER 30 MINS (20°C)	%	< +/- 0.05%
OPERATIONAL TEMP RANGE	°C	-20 to +70
ENVIRONMENTAL PROTECTION	IP68	
CABLE LENGTH	METRES	3
INSULATION	G Ω	>2 at 100V.dc

Electrical Connections
6 Core Cable, Wired in Compression Mode

RED	+ Input
BLUE	- Input
YELLOW	- Output
GREEN	+ Output
BLACK/WHITE	Preset Cal Ref

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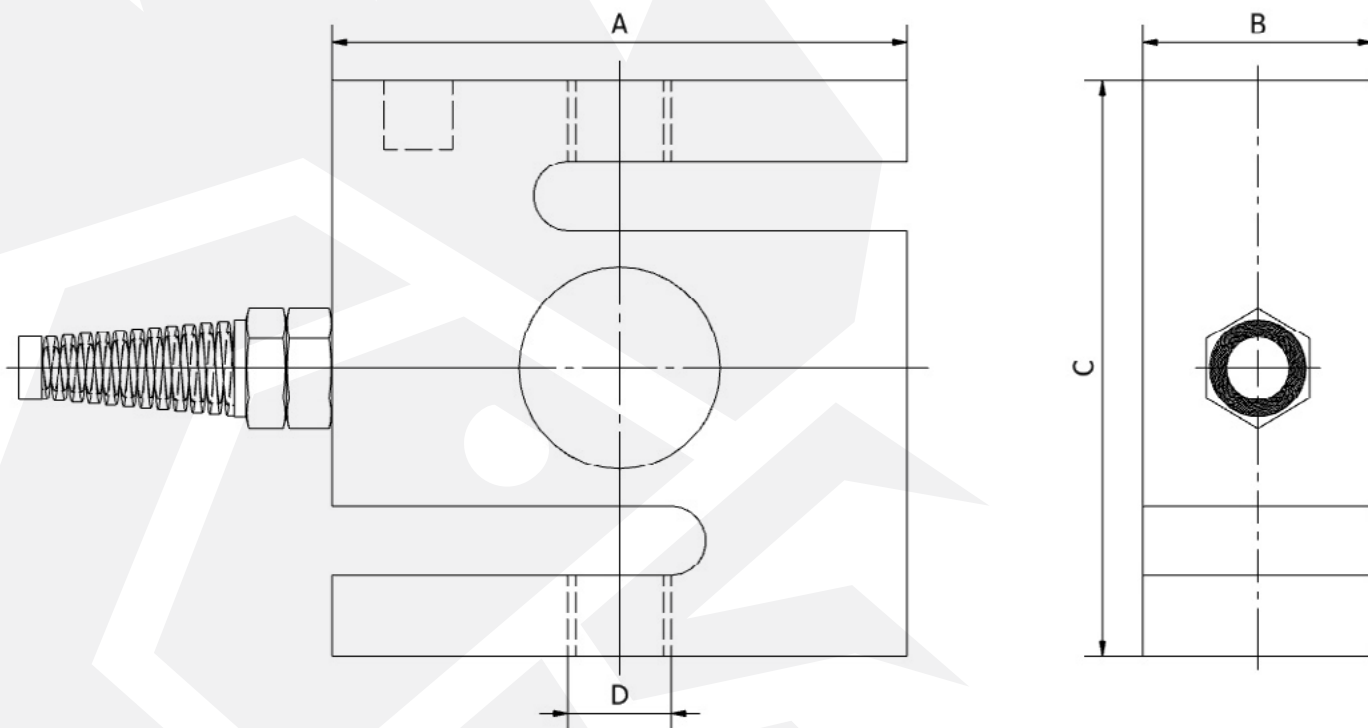
RR-COM5500 COMPRESSION LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

DIMENSIONS

All measurements are in mm
Information subject to change without notice



DIMENSIONS				
CAPACITY	A	B	C	D
0 - 0.5, 1, 2.5, 5kN	70.0	25.0	75.0	M12
0 - 10, 20kN	75.0	30.0	100.0	M20
0 - 50kN	100.0	30.0	120.0	M20

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RED ROOSTER
LIFTING

RAISING EXPECTATIONS

RR-COM9500 COMPRESSION LOAD CELL

The **RR-COM9500** is a compression load cell from Red Rooster Lifting's load measuring equipment range. The cells range in capacity from 25 to 1500 tonne.

Red Rooster Lifting have a wide range of load measuring equipment. This compression load cell is manufactured in a range of capacities from 25 tonne to 1500 tonne from high strength stainless steel.

High quality gauges are used throughout the range to deliver a high accuracy.

High standard IP protection against water and dust ingress to IP68.

Supplied as standard with an individual hand held display per load cell, or can be supplied as a system with multiple cells configured to one display.



TECHNICAL SPECIFICATION

STANDARD LOAD RANGES	TONNE	25, 50, 100, 200, 300, 400, 500, 1000, 1500
SAFE SERVICE LOAD	%	150
ULTIMATE LOAD	%	500
SAFE SIDE LOAD	%	100
INPUT RESISTANCE	Ω	700 (500-1500te 1400 Ω)
OUTPUT RESISTANCE	Ω	700 +/- 2
CREEP AFTER 30 MINS (20°C)	%	< +/- 0.05%
OPERATIONAL TEMP RANGE	°C	-20 to +80
ENVIRONMENTAL PROTECTION	IP67	
CABLE LENGTH STANDARD	Metres	10
INSULATION	G Ω	>2 at 100V.dc
Electrical Connections IP68 6 Way Amphenol Connector		
PIN A	+ Input	
PIN E	+ Output	
PIN C	- Input	
PIN F	- Output	

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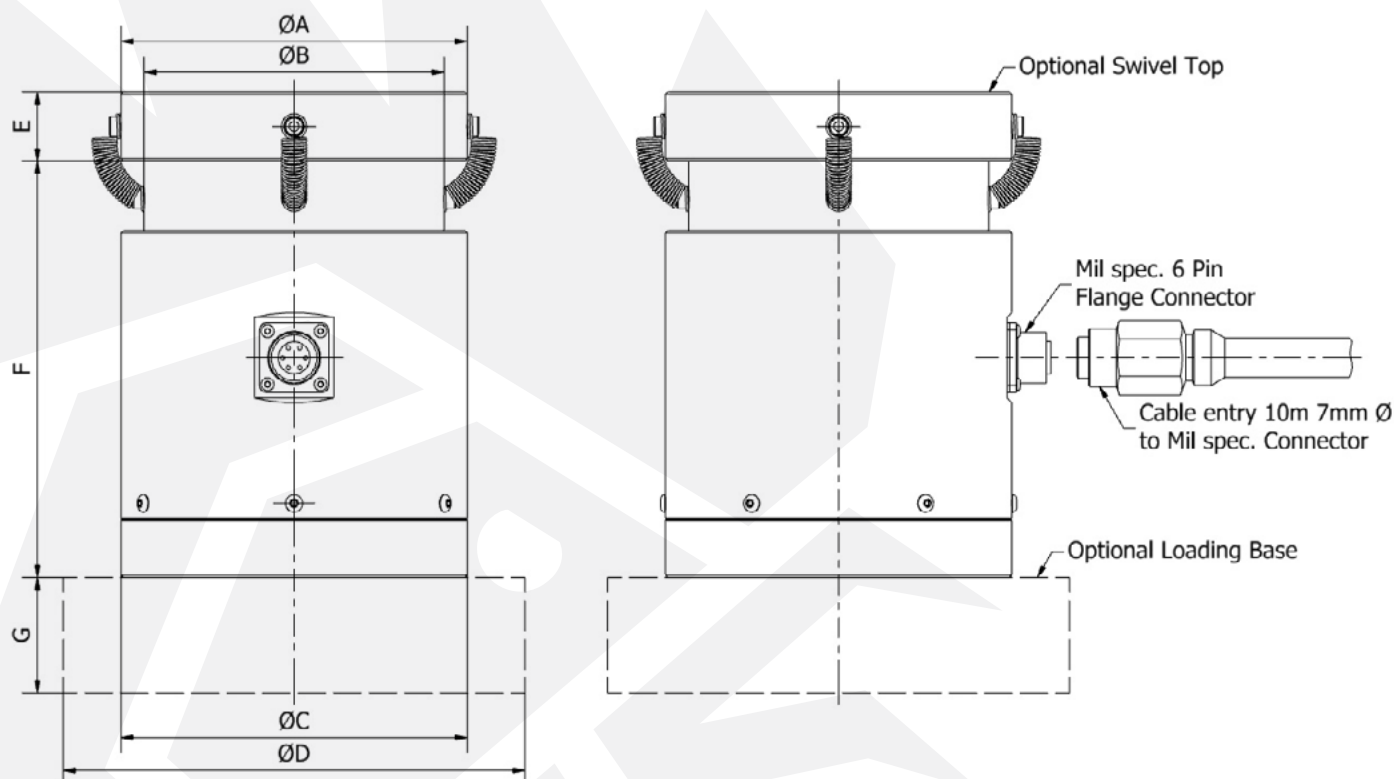
RR-COM9500 COMPRESSION LOAD CELL

**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

DIMENSIONS

All measurements are in mm
Information subject to change without notice



DIMENSIONS

CELL TYPE	CAPACITY	$\varnothing A$	$\varnothing B$	$\varnothing C$	$\varnothing D$	E	F	G
COMP 25	25 TONNE	75	60	75	125	15	100	30
COMP 50-100	100 TONNE	100	80	100	150	20	150	50
COMP 200	200 TONNE	127	110	127	150	30	180	50
COMP 300	300 TONNE	150	130	150	200	30	180	50
COMP 400	400 TONNE	150	136	150	200	38	180	50
COMP 500	500 TONNE	203	170.5	203	265	50	300	50
COMP 1000	1000 TONNE	290	250	290	335	50	425	75
COMP 1500	1500 TONNE	350	300	350	400	75	490	100

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Crane Scale



SK MODEL CRANE SCALES

The **SK MODEL** is a crane scale from Red Rooster Lifting's large range of TEO crane scales. The scales range in capacity from 200 kg to 85 tonne.



**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS



Red Rooster Lifting has a large range of TEO crane scale equipment available. Our TEO crane scale products are a versatile tool for all kinds of lifting purposes. They range in capacity from 200 kg to 85 tonne and are robust with very little maintenance required. The large dial allows for quick, accurate and easy reading for your load measuring application.

The TEO crane scale uses proven technology (hydro-static, bourdon tube) and incorporates it into a simple, functional and reliable weighing device. Current health and safety legislation requires companies to have knowledge of the loads being handled regardless of the industry.

In the TEO crane scale we have an inexpensive load-measuring device which can be hung up, used and then stored until the next time it is required, secure in the knowledge that it will continue to perform reliably.

STANDARD FEATURES

- Accuracy better than display resolution (1% of rated load, nominal)
- 100% taring capability (by rotating the dial device)
- Zero set by rotating the dial face
- Plexiglass dial face cover
- 160mm scale diameter
- Graduated in kilogrammes and tonnes
- Fixed link top suspension up to 5000 kgs
- Hook with latch bottom suspension up to 5000 kgs

AVAILABLE OPTIONS

- Display graduated in pounds (lbs) or tonnes
- Display remote from the load cell (hydrostatic tube connection)

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SK MODEL CRANE SCALES

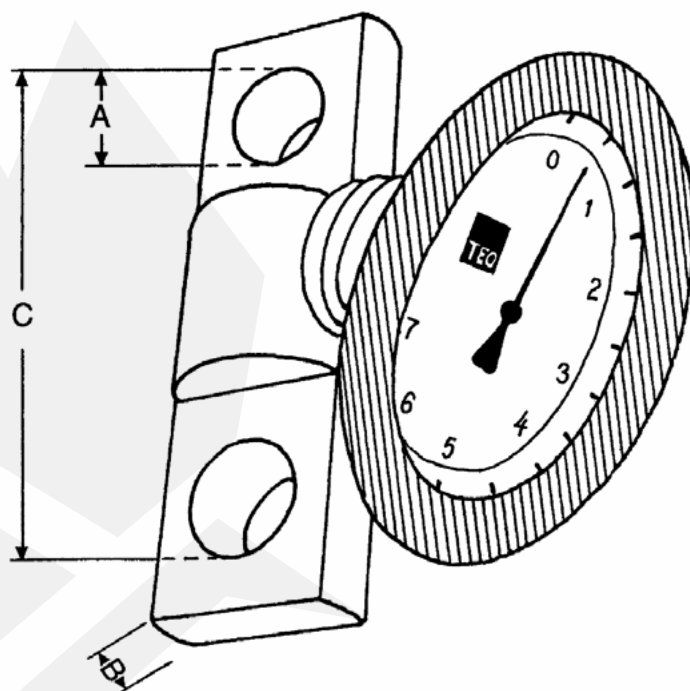
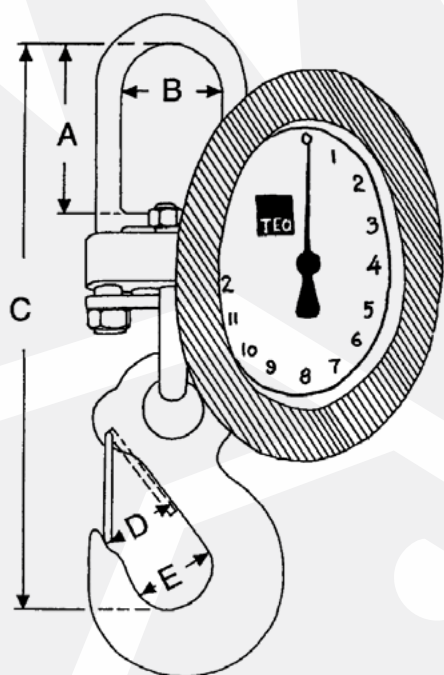


**RED ROOSTER
LIFTING**

RAISING EXPECTATIONS

DIMENSIONS

All measurements are in mm
Information subject to change without notice



DIMENSIONS

MODEL	CAPACITY (kgs)	DIAL INCREMS	WEIGHT (kgs)	A mm	B mm	C mm	D mm	E mm
200-SK1	200	1 kg	5	60	53	230	27	35
320-SK2	320	2 kg	5	60	53	230	27	35
500-SK2	500	2 kg	5	60	53	230	27	35
750-SK5	750	5 kg	5	60	53	230	27	35
1250-SK5	1250	5 kg	5	60	53	230	27	35
2000-SK10	2000	10 kg	5	60	53	230	27	35
3200-SK20	3200	20 kg	5.5	75	53	280	34	46
5000-SK20	5000	20 kg	6.5	75	53	300	42	56
7500-SK50	7500	50 kg	8.1	40	41	213	-	-
12500-SK50	12500	50 kg	8.1	42	30	215		
25000-SK100	25000	100 kg	12.9	55	42	262		
50000-SK200	50000	200 kg	30	75	50	335		
85000-SK500	85000	500 kg	60	85	60	390		

30 YEARS OF RAISING EXPECTATIONS

ABERDEEN

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