

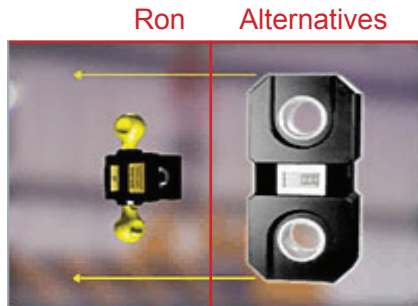


**Ron 2125 Shackle Type Dynamometer with 1 1/2" / 25mm Attachable Display**

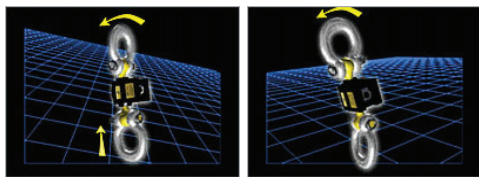
**Short delivery time:**  
 Usually 2 - 4 business days.

**High quality Aerospace Steel**  
 for increased strength and safety.

**Exceptionally small dimensions**  
 enable minimum headroom loss  
 and portability.  
 For example: Height of the 12.5t  
 load cell is 5.2 inch / 131 mm



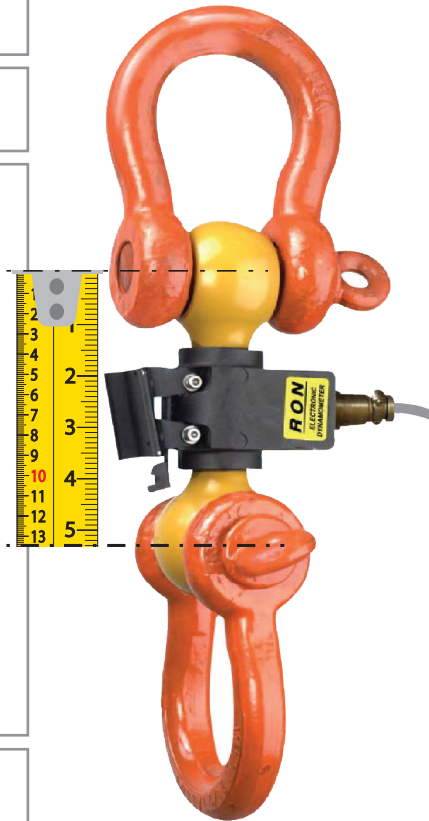
**Unique design:** 90° between shackle  
 holes eliminates external moments  
 and consequently increases accuracy,  
 safety and longevity.



**Internal shock protection design:**  
 The electronic board is secured on  
 dampening mounts providing protection  
 from external shock.

**New: Fatigue rated load cells -  
 an important and unique safety  
 feature:** All Ron crane scales and  
 dynamometers are now Fatigue  
 Rated. They have an improved fatigue  
 resistance level.

**Optional wireless communication  
 to additional display or PC** that  
 allows for multiple Ron crane scales/  
 dynamometers in one area to send  
 measurement to a centralized location.



Shackles not included

**More than three decades in the market:**  
 Eilon Engineering Ltd. has specialized  
 in the development and manufacturing  
 of Ron crane scales and dynamometers  
 since 1976. We have thousands of repeat  
 customers such as NASA, Boeing, US Air  
 Force and many more.

**Attachable display** enables  
 the user to either hold the  
 display in his hand, or to  
 easily attach it to the load cell.  
 The remote display enables  
 the user to conveniently read  
 the measured values from a  
 safe distance. Remote display  
 only (not attachable) for  
 capacities larger than 12.5t.



**Exceptionally long battery life:** Up to  
 2000 hours on AA disposable batteries  
 with battery life indication

**Wide temperature range:**  
 Load cell: -15°F to +175°F (-25°C to + 80°C)  
 Indicator: -4°F to +158°F (-20°C to +70°C).

**Double overload warning** is displayed  
 on the screen at 100% of full scale and  
 at 130%.

**Optional offshore and underwater**  
 load cell sealing levels: High sealing levels IP  
 67 and IP 68 for offshore and underwater IP  
 68 for offshore and underwater applications.

**Advanced options such as:** Integrated data  
 logger, analog output, averaging / dampening  
 and more.



## **Ron 2125 Shackle Type Dynamometer with 1"/25mm Attachable Display**

### **Description**

Ron 2125 crane scales and dynamometers are used for weighing during lifting, overload prevention, tension and load control.

The Ron 2125 dynamometer scale is a unique combination of the smallest and lightest load cell with a large display. The small load cell ensures portability and low headroom loss for any application.

Ron 2125 Dynamometer scales come with a hand-held remote display that at up to 12.5 tons capacity is attachable: It enables the user either to hold the indicator in his hand or snap it very easily onto the load cell.

Ron 2125 offers up to 2000 hours on common disposable batteries which makes it especially suitable for field applications.

By this means, the user's personal safety is ensured, as under no circumstances will he have to approach the load in order to read the result. They can either hold the remote indicator in their hand, or read the display from a safe distance.

The separation of load cell and display also increases the system's durability.

Another feature that increases the system's durability is the electronic board's dampening mounts that increase the system's durability as it absorbs external impacts.

The load cell's unique perpendicular hole structure neutralizes external moments and thus improves safety and accuracy.

An additional optional wireless display enables transmission of the measured values to a remote location.

An offshore and limited underwater version of the Ron 2125 Shackle Type is also available: Offshore and underwater crane scales, dynamometers and load cells are suitable for offshore applications such as bollard pull tests and require a higher sealing level as follows:  
Ron crane scales with offshore sealing for occasional splashes of water

Ron crane scales limited underwater sealing level enables load cell to be submersed in water (up to 1.5 ft/0.5m), momentarily, without causing harm.

Ron Crane Scales and Dynamometers are one of the leading brands in the global market for more than 30 years with repeat customers like NASA, Boeing, GE, Siemens and many others.



## Ron 2125 Shackle Type Dynamometer with 1"/25mm Attachable Display

### Specifications

**Safety Factor:** Designed to 5:1

**Proof Load:** Each system proof-loaded to 200% of capacity (certified) up to a test force of 400t.

**Accuracy:**  $\pm 0.1\%$  of full range.

**Durability:** Robust indicator with extruded aluminum housing, polyurethane coated.

**Display:** 5 digit, 1" (25mm) liquid crystal display with two overload warning levels, max. value (peak hold), low battery, tare state (gross or net), measuring unit, sleep state, charge and programming instructions. Standard number of measurements per second: 1. Standard display update rate per second: 1.

**Sampling Rate:** 200 per second.

**Functions:** Zero. Tare. Battery charge level. Low battery warning. Max. (peak hold). Two-level overload visual alarms. User calibration. Sleep mode after 60 sec. in zero value, awakes automatically when loaded.

**Units:** Available in the following measurement readings: metric tons, short tons (2000 lbs), kgs, lbs (lbs x 10 for capacities of 50t and above), newtons, deca newtons, k. newtons.

**Load Cell Material:** Made of high-strength, aerospace quality, alloy steel, polyurethane coated.

**Indicator Material:** Extruded aluminum.

**Power:** 3 x AA 1.5 Volt Alkaline disposable batteries, with battery life indication. Batteries rated 3AH will function up to 2000 hours (three months of continuous working). Occasional use will extend the life of the batteries up to several years. Adding certain options will shorten the life of the batteries. All settings retained at power off.

**Calibration:** User calibration. Initial factory calibration, fully traceable (certified).

**Temperature Range:**

Load cell:  $-15^{\circ}\text{F}$  to  $+175^{\circ}\text{F}$  ( $-25^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ )

Indicator:  $-4^{\circ}\text{F}$  to  $+158^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ ).

**Environmental:** Weather proof NEMA4, IP 65



## Ron 2125 Shackle Type Dynamometer with 1"/25mm Attachable Display

### Options

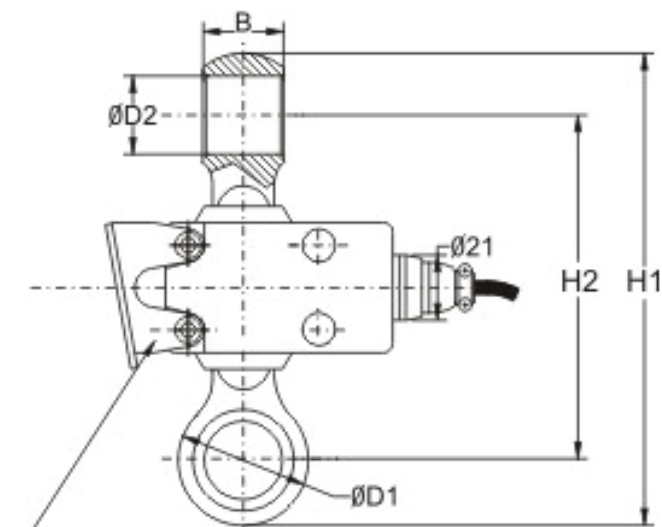
- 1 or 2 user-adjustable set points
- Additional 0.5"/12mm LCD display with cable connection to indicator or wireless
- Additional 1"/25mm LCD display with cable connection to indicator or wireless
- Additional 2"/50mm LCD display with cable connection to indicator or wireless
- Additional 4"/100mm LED display with cable connection to indicator or wireless
- Additional extension cable in 15ft/5m increments
- Analog output: 0 to 1V / 0 to 2V / 0 to 3V
- Analog output: 4 to 20 mA
- Baud rate, user-selectable
- Carrying case: Pelican, High quality
- Dampened (average) display for unstable load
- Data logger - manual or automatic - up to 600 measurements
- Data logger - manual or automatic - up to 3,000 measurements
- Data logger - manual or automatic - up to 6,000 measurements
- Data logger - manual or automatic - up to 10,000 measurements
- IP 67 load cell with special off-shore connectors
- IP 68 load cell with underwater capability
- Longer extension cable in 15ft/5m increments
- Number of measurements per seconds: Up to 200 factory set
- Real-time clock
- Rechargeable batteries with an external charger
- Rope falls multiplier, user selectable
- RS-232 - continuous or on demand data output, user-selectable
- RS-485 - continuous or on demand data output, user-selectable
- Totalizer
- Units, user-selectable
- Wireless communication to additional display or PC
- USB





## Ron 2125 Shackle Type Dynamometer with 1"/25mm Attachable Display

### Dimensions Table and Drawing



INDICATOR MATCHING ADAPTOR  
 STANDARD UP TO 12.5t CAP.



**Optional carrying case**

Cat no.	Full range		Resolution		Load cell weight		Cable length		H1 (max.)		H2 (max.)		B (max.)		ØD1 (max.)		ØD2 (min.)		Matching anchor shackle size*
	tons	kgs	lbs	kgs	lbs	mm	ft	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	inch	
S-005	0.5	0.2	0.5	0.3	0.7	5	16	125	4.9	92	3.7	16	0.7	31	1.3	17	0.66	1/2 7/16 3/8	
S-01	1	0.5	1	0.3	0.7	5	16	125	4.9	92	3.7	16	0.7	31	1.3	17	0.66	1/2 7/16 3/8	
S-02	2	1	2	0.3	0.7	5	16	125	4.9	92	3.7	16	0.7	31	1.3	17	0.66	1/2 7/16 3/8	
S-03	3	1	2	0.3	0.7	5	16	137	5.4	100	4	19	0.75	38	1.5	21	0.82	5/8 1/2	
S-05	5	2	5	0.5	1	5	16	147	5.8	105	4.2	26	1	43	1.7	23	0.9	3/4 5/8	
S-10	10	5	10	1.4	3.1	5	16	195	7.7	131	5.2	41	1.6	61	2.4	36	1.4	1 1/4, 1 1/8, 1	
S-12	12.5	5	10	1.4	3.1	5	16	195	7.7	131	5.2	41	1.6	61	2.4	36	1.4	1 1/4, 1 1/8, 1	
S-15	15	5	10	2.5	5.5	5	16	220	8.7	141	5.6	43	1.7	74	3	43	1.7	1 3/8	
S-20	20	10	20	2.5	5.5	5	16	220	8.7	141	5.6	43	1.7	74	3	43	1.7	1 3/8	
S-25	25	10	20	3.7	8	5	16	240	9.4	150	5.9	58	2.3	87	3.4	44	1.7	1 1/2	
S-30	30	10	20	3.7	8	5	16	240	9.4	150	5.9	58	2.3	87	3.4	44	1.7	1 1/2	
S-40	40	20	50	8	17	10	32	320	12.6	195	7.7	71	2.8	115	4.5	60	2.3	2, 1 3/4	
S-50	50	20	50	8	17	10	32	320	12.6	195	7.7	71	2.8	115	4.5	60	2.3	2, 1 3/4	
S-80	80	50	100	18	40	10	32	405	16.9	255	10	97	3.8	145	5.7	76	3	2 1/2	
S-100	100	50	100	28	60	15	49	450	17.7	275	10.8	121	4.8	165	6.5	81	3.18	CROSBY No. 2160 125t	
S-125	125	50	100	28	60	15	49	450	17.7	275	10.8	121	4.8	165	6.5	81	3.18	CROSBY No. 2160 125t	
S-200	200	100	200	57	121	15	49	575	22.6	350	13.8	145	5.7	210	8.3	106	4.2	CROSBY No. 2160 200t	
S-250	250	100	20	106	225	15	49	800	31.5	490	19.3	178	7.0	260	10.2	138	5.4	CROSBY No. 2140 250t or No. 2160 300t	
S-300	300	100	200	106	225	15	49	800	31.5	490	19.3	178	7.0	260	10.2	138	5.4	CROSBY No. 2160 300t	

\* USE SHACKLES WITH S.W.L. (SAFE WORKING LOAD) EQUAL TO, OR GREATER THAN THE SYSTEM'S FULL RANGE.

\* The company reserves the right to make changes without notice.