

Ron 2000 Shackle Type Dynamometer with Remote Indicator

ADVANTAGES



5 year warranty

Portable: Lightweight and small. Available with Pelican™ carrying case.

Highly Accurate: $\pm 0.1\%$ of full range - important for early overload detection.

Excellent battery life: Up to 2000 Hours (2x AA batteries).

Quality Materials: Exclusive use of high strength aerospace quality steel for load cell bodies

Fatigue rated: All Eilon Engineering load cells are Fatigue Rated according to ASME BTH-1 and IEC 61508. Fatigue Rated means an unlimited number of load cycles (Provided capacity is not exceeded).

Robust: Heavy duty designs with shock absorbing mechanisms.

Unique: Shackle holes offset 90 degrees reduce external moments for greater safety and accuracy.

Minimal Headroom loss: Smallest on the market - important for indoor applications.

Advanced options: Auto/Manual Data Logger, RS232, Additional Displays.

Short delivery time: In most cases 48-72 hours.

More than 40 years in the market with repeat customers such as NASA, Boeing, Cirque du Soleil, Disney, GE, Lockheed Martin, other Fortune 500 companies, as well as numerous small businesses.



TECHNICAL SPECIFICATIONS



Safety factor: 5:1

Accuracy: 0.1% of full range.

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

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

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

Display: 6 digits, 1/2" (12mm) liquid crystal display. Overload warnings (100%/130%), low battery indication, Gross/Net. Refresh rate 1Hz.

Sampling Rate: 200 per second.

Functions: Zero, Tare, Battery level indication, Low battery warning, Max. (peak hold).

Units: User selectable units (metric tons, short tons, kgs., lbs., Newtons, Deca-Newtons, Kilo-Newtons).

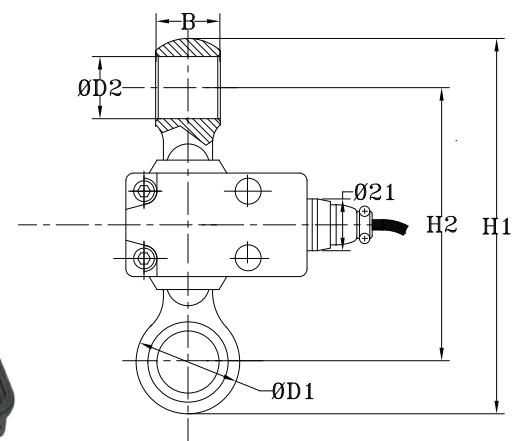
Indicator/Load Cell Housing: High quality ABS.

Temperature Range:

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

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

Environmental: IP65 (Optional IP67 Load Cell).



Cat no.	Full range		Resolution		Load Cell weight		Cable length		H1 (max.)		H2 (max.)		B (max.)		Ø D1 (max.)		Ø D2 (min.)		Matching anchor shackle size*
	tons	kg	lbs	kg	lbs	m	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	45	1.7	74	3	40	1.5	1 3/8 1 1/4 1 1/8	
S-20	20	10	20	2.5	5.5	5	16	220	8.7	141	5.6	45	1.7	74	3	40	1.5	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	
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-150	150	50	100	57	121	15	49	575	22.6	350	13.8	145	5.7	210	8.3	106	4.2	CROSBY No. 2160 200t	
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	200	106	225	15	49	800	31.5	490	19.3	178	7	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	260	10.2	138	5.4	CROSBY No. 2160 300t	

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

> The company reserves the right to make changes without notice.

OPTIONS



- > Optional Backlight
- > 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 5"/125mm LED display with cable connection to indicator or wireless
- > Additional extension cable in 15ft/5m increments
- > Analog output: 0 to 3V
- > Analog output: 4 to 20 mA
- > Robust sealed carrying case: Pelican or equivalent.
- > Dampened display for unstable load
- > Automatic/Manual Data Logger - Up to 50,000 measurements
- > IP 67 load cell with special off-shore capability
- > Number of measurements per second: 1, 2, 3, factory set
- > Real-time clock: date, hour, minute, second adds time stamp to RS-232 output
- > Rechargeable batteries with 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
- > Totalizer with Data Logging
- > Wireless communication to additional display or PC
- > USB