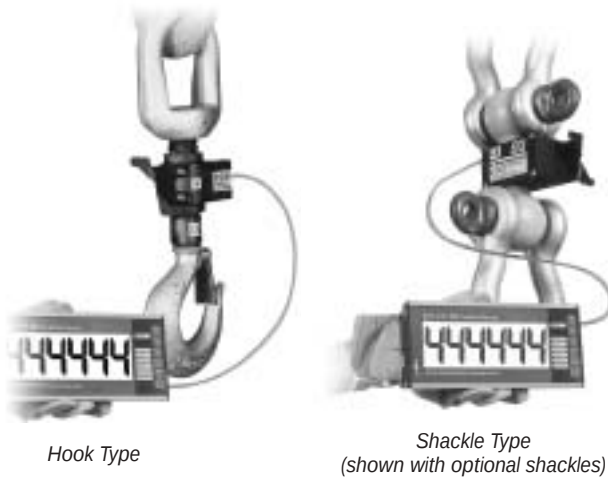


Eilon RON 2100 Hook Crane Scale/Shackle Dynamometer w/Detachable Indicator

NEW!
Product



Hook Type

Shackle Type
(shown with optional shackles)

(SEE CHART ON BACK OF PAGE FOR PART #'S)



The RON 2100 crane scale/dynamometer brings flexibility and high-accuracy performance to a variety of applications. A large six-digit LCD display is easy to see from a distance, or can be removed for remote viewing. It offers pushbutton tare, two adjustable setpoints, and peak hold for capturing maximum weights. In addition, a 4-20mA analog output allows connection to peripheral devices, while RS-232 serial communication allows data transfer to a PC or data acquisition device. Additional remote displays are optional at time of order.

Highly durable, the RON 2100 is equipped with unique load cells constructed of alloy steel coated in polyurethane for long lasting performance. Each system has been proof tested to 200%, and features a 5:1 safety factor as well as a two-level overload warning.

Ideal for crane or hoist applications up to 20,000 lbs, the RON 2100 is available with a variety of precision-crafted hooks that enable quick connection to the load. Choose shackles for lifting up to 600,000 lbs or measuring horizontal force in tie-down, towing, suspension or side-loading applications. Shackle versions are easily disassembled and transported in a specially fitted carrying case.

Applications

- Load measuring of fishing nets (with underwater load cell option)
- Lifting domes
- Reducing accidents through overload detection and protection

Shackle Type

- Vehicle drag force measurement

Standard Features

- Two user-adjustable setpoints
- User-adjustable auto shut-off
- Two-level overload warning
- User calibration
- Rechargeable batteries, up to 25 hours continuous use
- Low battery warning
- Operator keypad: ON/OFF, TARE, ZERO, ENTER, ESC, and PEAK HOLD
- 4-20 mA analog output
- RS-232 continuous output with user-selectable baud rate (1200-9600), eight data bits, one stop bit
- Selectable units of measure (metric tons, short tons, kilo-newtons, and lb)
- Liquid Crystal Display (LCD)
- Low headroom

Shackle Type additional features:

- Special perpendicular hole structure ensures neutralization of external moments
- Carrying case

Options/Accessories

- 15' (4.5m) infrared remote control
- Load cell with underwater capability (2' max. depth)
- Low temperature -13°F (-25°C)
- High temperature 175°F (80°C)
- Additional remote displays with cable or wireless connection:
 - 1.6" (40mm) Liquid Crystal Display (LCD)
 - 4" (100mm) Light Emitting Diode (LED) indoor model
 - 4" (100mm) Light Emitting Diode (LED) outdoor model

NOTE: All options/accessories must be installed at time of order.

SAFETY FACTOR:

Hook Type: 5:1 for load cell. 5:1 for the lifting eye. Average straightening load of the hook is at least 4 times the capacity
Shackle Type: 5:1 for load cell

PROOF LOAD:

Each system tested to 200% (certified)

ACCURACY:

± 0.1% of full range

ENCLOSURE:

Robust extruded aluminum housing. Iridized and polyurethane coated

INDICATOR DISPLAY:

See chart below for display sizes

Liquid Crystal Display (LCD) and annunciators: units, two level overload warning, max. value (peak hold), low battery, tare state, and programming instructions

UNITS:

Metric tons, short tons, kilo-newtons and lb

LOAD CELL:

High strength, aerospace quality, alloy steel, polyurethane coated

Hook and lifting eye are Crosby-Laughlin or equivalent

POWER:

Rechargeable batteries provide power for up to 25 hours continuous use. All data settings are retained at power off

CALIBRATION:

Factory calibrated, fully traceable (certificated)

TEMPERATURE RANGE:

14°F to 140°F (-10°C to 60°C)

ENVIRONMENTAL:

Weatherproof, NEMA 4, IP65

INPUTS/OUTPUTS:

Analog output: 4-20 mA

Serial output: RS-232 with user-selectable baud rate (1200-9600)

Control output: setpoints control for overload detection

Charge: charging input including charge control light

APPROVALS:

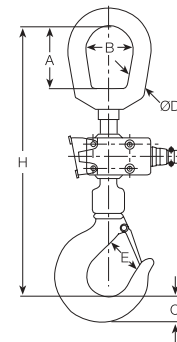
CE marked

WARRANTY:

One year limited warranty

RON 2100 HOOK TYPE

PART #	CAPACITY	A	B	C	D Ø	E	H
Four-digit, 2.0" (50mm) Indicator Display							
68294.....	500 lb x 0.2 lb	2.0"	1.5"	0.875"	0.5"	1.0"	10.0"
68296.....	2000 lb x 1.0 lb	2.0"	1.5"	0.875"	0.5"	1.0"	10.0"
68297.....	2500 lb x 1.0 lb	2.0"	1.5"	0.875"	0.5"	1.0"	10.0"
68298.....	3200 lb x 1.0 lb	2.0"	1.5"	0.875"	0.5"	1.0"	10.0"
68299.....	5000 lb x 2.0 lb	2.625"	2.0"	1.125"	0.75"	1.125"	11.5"
68300.....	6000 lb x 2.0 lb	2.625"	2.0"	1.125"	0.75"	1.125"	11.5"
68301.....	6400 lb x 2.0 lb	2.625"	2.0"	1.125"	0.75"	1.125"	11.5"
Six-digit, 1.6" (40mm) Indicator Display							
68295.....	1000 lb x 0.5 lb	2.0"	1.5"	0.875"	0.5"	1.0"	10.0"
68302.....	10,000 lb x 5.0 lb	3.5"	2.5"	1.5"	1.0"	1.4375"	13.0"
68303.....	20,000 lb x 10.0 lb	4.0"	3.125"	2.25"	1.25"	2.25"	19.0"

**RON 2100 SHACKLE TYPE (SHACKLES NOT INCLUDED - refer to catalog page CS-9)**

PART #	CAPACITY	LOAD CELL WEIGHT	ELEC. LEAD LENGTH	H1 MAX.	H2 MAX.	B MAX.	D1 MAX.	D2 MIN.	ANCHOR/SHACKLE
Four-digit, 2.0" (50mm) Indicator Display									
68273.....	500 lb x 0.2 lb	0.7 lb (0.3 kg)	16'	4.8"	3.7"	0.7"	1.2"	0.66"	1/2", 7/16", 3/8"
68275.....	2000 lb x 1.0 lb	0.7 lb (0.3 kg)	16'	4.8"	3.7"	0.7"	1.2"	0.66"	1/2", 7/16", 3/8"
68276.....	4000 lb x 2.0 lb	0.7 lb (0.3 kg)	16'	4.8"	3.7"	0.7"	1.2"	0.66"	1/2", 7/16", 3/8"
68277.....	6000 lb x 2.0 lb	0.7 lb (0.3 kg)	16'	5.4"	4.0"	0.75"	1.5"	0.82"	5/8", 1/2"
Six-digit, 1.6" (40mm) Indicator Display									
68274.....	1000 lb x 0.5 lb	0.7 lb (0.3 kg)	16'	4.8"	3.7"	0.7"	1.2"	0.66"	1/2", 7/16", 3/8"
68278.....	10,000 lb x 5.0 lb	1 lb (0.4 kg)	16'	5.7"	4.2"	1.0"	1.75"	0.9"	3/4", 5/8"
68279.....	20,000 lb x 10.0 lb	2.7 lb (1.2 kg)	16'	7.7"	5.3"	1.6"	2.4"	1.4"	1 1/4", 1 1/8", 1"
68280.....	25,000 lb x 10.0 lb	2.7 lb (1.2 kg)	16'	7.7"	5.3"	1.6"	2.4"	1.4"	1 1/4", 1 1/8", 1"
68281.....	30,000 lb x 10.0 lb	5 lb (2.3 kg)	32'	8.1"	5.3"	1.8"	2.8"	1.4"	1 1/4", 1 1/8"
68282.....	40,000 lb x 20.0 lb	5.5 lb (2.5 kg)	32'	8.7"	5.6"	2.1"	3.2"	1.55"	1 3/8"
68283.....	50,000 lb x 20.0 lb	7.3 lb (3.3 kg)	32'	9.2"	5.9"	2.3"	3.4"	1.7"	1 1/2"
68284.....	60,000 lb x 20.0 lb	7.3 lb (3.3 kg)	32'	9.2"	5.9"	2.3"	3.4"	1.7"	1 1/2"
68285.....	80,000 lb x 50.0 lb	16 lb (7.3 kg)	49'	11.8"	7.6"	2.8"	4.5"	2.3"	2", 1 3/4"
68286.....	100,000 lb x 50.0 lb	16 lb (7.3 kg)	49'	11.8"	7.6"	2.8"	4.5"	2.3"	2", 1 3/4"
68287.....	160,000 lb x 100.0 lb	36 lb (16 kg)	65'	15.8"	10.4"	3.8"	5.7"	3.0"	2 1/2"
68288.....	250,000 lb x 100.0 lb	66 lb (30 kg)	81'	18.0"	11.8"	4.8"	6.5"	3.18"	Crosby #2160, 125t
68289.....	400,000 lb x 200.0 lb	121 lb (55 kg)	98'	22.8"	15.0"	5.7"	8.3"	4.2"	Crosby #2160, 200t
68290.....	500,000 lb x 200.0 lb	227 lb (103 kg)	98'	31.3"	19.7"	7.0"	10.0"	5.2"	Crosby #2140, 250t or #2160, 300t
68291.....	600,000 lb x 200.0 lb	227 lb (103 kg)	98'	31.3"	19.7"	7.0"	10.0"	5.2"	Crosby #2160, 300t

