

# EDjunior Dynamometer Specifications

# DILLON

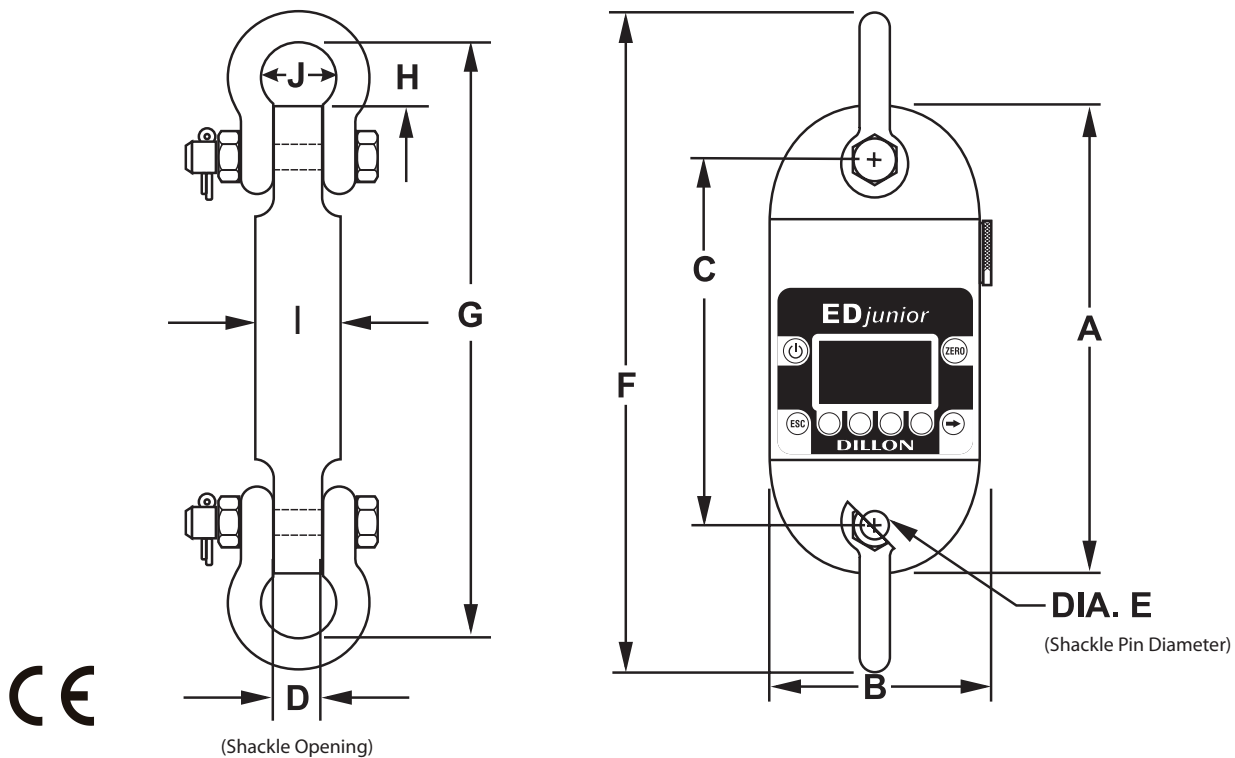
| Capacity x Resolution |                 |                 |                 | Body Construction and Overload Design                                  |
|-----------------------|-----------------|-----------------|-----------------|--|
| EDjr-1T (EDjr-2.5K)   | 2,500 lbf x 2   | 1,000 kgf x 1   | 10,000 N x 10   | Aircraft quality<br>2024 Aluminum<br>700% Ultimate overload protection |
| EDjr-2T (EDjr-5K)     | 5,000 lbf x 5   | 2,000 kgf x 2   | 20,000 N x 20   |  |
| EDjr-5T (EDjr-10K)    | 10,000 lbf x 10 | 5,000 kgf x 5   | 50,000 N x 50   |  |
| EDjr-10T (EDjr-25K)   | 25,000 lbf x 20 | 10,000 kgf x 10 | 100,000 N x 100 | E4340 Alloy Steel<br>500% Ultimate overload protection                 |

Note: Model in parenthesis shows U.S. convention for describing capacities.

| Dimensions |      |      |     |     |      |      |      |      |      |      |      |
|------------|------|------|-----|-----|------|------|------|------|------|------|------|
| Model      |      | A    | B   | C   | D    | E    | F    | G    | H    | I    | J    |
| EDjr-1T    | inch | 8.4  | 5.0 | 6.9 | 0.75 | 0.50 | 11.6 | 10.8 | 1.20 | 2.03 | 1.16 |
|            | mm   | 213  | 127 | 174 | 19   | 13   | 296  | 274  | 30   | 52   | 29   |
| EDjr-2T    | inch | 10.6 | 5.0 | 7.8 | 1.06 | 0.75 | 14.8 | 13.4 | 1.41 | 2.94 | 1.69 |
|            | mm   | 269  | 127 | 198 | 27   | 19   | 375  | 340  | 35   | 75   | 43   |
| EDjr-5T    | inch | 11.4 | 5.3 | 8.1 | 1.38 | 1.00 | 17.8 | 15.8 | 2.22 | 4.03 | 2.28 |
|            | mm   | 289  | 135 | 206 | 35   | 25   | 451  | 402  | 56   | 102  | 58   |
| EDjr-10T   | inch | 11.5 | 5.3 | 7.9 | 1.97 | 1.38 | 21.6 | 18.8 | 3.67 | 4.53 | 3.25 |
|            | mm   | 291  | 133 | 201 | 50   | 35   | 548  | 478  | 93   | 115  | 83   |

Dimensions using Green Pin shackles (Crosby shackles available).

Dimensions shown are nominal and subject to tolerances.



# EDjunior Electronic Dynamometer

## Specifications

- Enclosure:** Designed to NEMA4X/IP68.  
Suitable for continuous outdoor use.
- Accuracy:** 0.2% of capacity.
- Repeatability:** 0.2% of capacity.
- Proof Load:** 150% of capacity on Load Link.  
*Will proof load shackles upon request.*
- Ultimate Overload:** See table on reverse.
- Safe Overload:** 200% of capacity.
- Display:** 128 x 64 dot-graphic LCD display shows all digits  
1.0" (26 mm) high plus annunciators and softkeys.
- Display Update Rate:** 2 times per second.
- Peak Hold Sampling Rate:** 10 times per second typical.
- RS-232 Communication:** Not available.  
See Dillon EDXtreme.
- Calibration:** Traceable to the National Institute of  
Standards and Technology. Calibration card included.
- Battery Life:** 425 hours typical use with two  
C-cell alkaline batteries.
- Backlight:** Configurable. Using backlight will consume  
more battery power, reducing battery life.
- Operating Temperature:**  
-4° F to 158° F (-20° to 70° C)
- Included with Instrument:**  
Carry case, batteries, manual and calibration card.
- Warranty:** 2 years parts and labor.
- Overload:** Recorded at 120% with date and time stamp.

## Weights

| Model                   | Unit Weight lb (kg) | Ship Weight lb (kg) | Ship Dimension in (mm)            |
|-------------------------|---------------------|---------------------|-----------------------------------|
| EDjr-1T<br>(2500 lb)    | 3.9<br>(1.8)        | 13<br>(6)           | 19 x 16 x 7<br>(483 x 406 x 178)  |
| EDjr-2T<br>(5000 lb)    | 7.8<br>(3.9)        | 18<br>(8)           | 19 x 16 x 7<br>(483 x 406 x 178)  |
| EDjr-5T<br>(10,000 lb)  | 14.3<br>(6.5)       | 23<br>(10)          | 19 x 16 x 7<br>(483 x 406 x 178)  |
| EDjr-10T<br>(25,000 lb) | 41<br>(19)          | 54<br>(24)          | 22 x 21 x 11<br>(559 x 533 x 279) |

Improved performance, convenience and features are available from the EDjunior's big brother, the EDXtreme.  
See EDXtreme Electronic Dynamometer brochure and specifications for details.

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Force Measurement Equipment

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