



**Sturtevant
Richmont**

Torque Measurement Systems

**INDUSTRIAL DIAL
TORQUE WRENCHES**



Industrial Dial Wrenches English Units of Measure

| Part No. | Model Designation | Minimum Capacity | Maximum Capacity | Graduation | Length (in.) | Weight (lbs.) | Sq. Drive Size (in.) |
|----------|-------------------|------------------|------------------|------------|--------------|---------------|----------------------|
| 815700 | IDW 30 I | 6 in lb | 30 in lb | 1 in lb | 10.3 | 1.2 | 1/4 |
| 815719 | IDW 50 I | 10 in lb | 50 in lb | 2 in lb | 10.3 | 1.2 | 1/4 |
| 815701 | IDW 150 I | 30 in lb | 150 in lb | 5 in lb | 10.3 | 1.2 | 3/8 |
| 815702 | IDW 300 I | 60 in lb | 300 in lb | 5 in lb | 10.3 | 1.2 | 3/8 |
| 815703 | IDW 600 I | 120 in lb | 600 in lb | 10 in lb | 12.3 | 1.4 | 3/8 |
| 815704 | IDW 150 | 30 ft lb | 150 ft lb | 2 ft lb | 20.8 | 2.8 | 1/2 |
| 815705 | IDW 250 | 50 ft lb | 250 ft lb | 5 ft lb | 20.8 | 2.8 | 1/2 |
| 815706* | IDW 600 | 120 ft lb | 600 ft lb | 10 ft lb | 46.5 | 7.5 | 3/4 |
| 815722** | IDW 1000 | 200 ft lb | 1000 ft lb | 10 ft lb | 46.5 | 7.5 | 1 |

Industrial Dial Wrenches Metric Units of Measure

| Part No. | Model Designation | Minimum Capacity | Maximum Capacity | Graduation | Length (cm) | Weight (Kg) | Sq. Drive Size (in.) |
|----------|-------------------|------------------|------------------|------------|-------------|-------------|----------------------|
| 815720 | IDW 6 Nm | 1.2 Nm | 6 Nm | 0.25 Nm | 26.162 cm | 0.55443 Kg | 1/4 |
| 815707 | IDW 15 Nm | 3 Nm | 15 Nm | 0.25 Nm | 26.162 cm | 0.5443 Kg | 3/8 |
| 815708 | IDW 35 Nm | 7 Nm | 35 Nm | 0.5 Nm | 26.162 cm | 0.5443 Kg | 3/8 |
| 815709 | IDW 70 Nm | 14 Nm | 70 Nm | 1 Nm | 31.242 cm | 0.6350 Kg | 3/8 |
| 815710 | IDW 200 Nm | 40 Nm | 200 Nm | 2.5 Nm | 52.837 cm | 1.270 Kg | 1/2 |
| 815711 | IDW 350 Nm | 70 Nm | 350 Nm | 5 Nm | 52.837 cm | 1.27 Kg | 1/2 |
| 815712* | IDW 800 Nm | 160 Nm | 800 Nm | 10 Nm | 118.11 cm | 3.40 Kg | 3/4 |
| 815723** | IDW 1300 Nm | 260 Nm | 1300 Nm | 25 Nm | 181.61 cm | 7.71 Kg | 1 |

*Includes Extension Handle

**Calibrated with Extension Handle/Instructions 857318



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LIT - 345 160622



Applications

You will immediately see and feel the difference in our new Industrial Dial Wrench (IDW) Series. Our new wrench has more than just the cosmetic changes of black oxide powder coat and chromed steel.

The SR IDW-Series of Dial Torque Wrenches are ideal for any application where:

- ▶ A visible reading of the torque is important
- ▶ A retained measurement of the peak torque is required
- ▶ The user can see the face of the tool when torque is being applied
- ▶ Accuracy better than that of a clicker-type torque wrench is desired
- ▶ The application is non-destructive
- ▶ Rotation torque of an assembly is a specification

High-precision assembly operations, fastener testing (in-process/final/receiving) operations where prevailing-torque nuts are used, and auditing of fastener or assembly torque are all places where the new IDW Series will make a difference.



Must be calibrated and used with the handle extension in place.



Features and Characteristics

- ▶ Accuracy of +/- 3% Indicated Value from 20% to 100% of capacity meets or exceeds ASME B107.300-2010 and ISO 6789.
- ▶ **Error Proofing By Design:** Single scale eliminates potential confusion on reading.
- ▶ A memory indicator is provided on each wrench and remains at the maximum torque achieved for positive torque verification.
- ▶ Heavy duty dial guard protects against breakage.
- ▶ Dial face is blue for easy reading.
- ▶ The neoprene rubber grip that comes on tools up to 250 ft. lbs./350 Nm capacity provides proper hand grip and comfort during use.
- ▶ Black powder coat provides industrial strength finish.
- ▶ Each wrench comes in its own rugged storage case.
- ▶ A specially-designed extension handle is included on tools of 600 ft. lbs./800 Nm and greater capacity.
- ▶ FREE NIST-traceable tabulated certification included.

