Ultra-reliable MECHANICAL TENSION METERS

DX2 Series
10 ranges, 5–50 g to 5–20 Kg

A precise jeweled movement, choice of ball bearing mounted rollers and rugged cast aluminum housing makes the DX2 ideal for the toughest production floor application.

Built-in mounting holes permit fixed installation for continuous in-line use.

FEATURES

- Thumb-operated, roller-shifting mechanism and exclusive snare-guide automatically guides the moving filament into the V-grooves eliminating breaks and snags.
- Front filament loading permits the operator to observe running material, rollers and dial face at all times.
- DX2's are individually calibrated for highest accuracy.
- DX2's hard-coated aluminum, V-grooved rollers are rated for speeds up to 2000 m/min or, optionally, up to 5000 m/min.
- Built-in material thickness compensator maximizes accuracy when using filaments of different diameters.*
- NIST calibration available.

<table>
<thead>
<tr>
<th>Model Prefix</th>
<th>DX2</th>
<th>DXX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range Code</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>Tensions (g)</td>
<td>5–50</td>
<td>10–120</td>
</tr>
</tbody>
</table>

Complete model number includes: DX2 plus range code, e.g., DX2-200.

* Supplied on DX2-SP models and higher ranges.
**Options**

**Air Damping (A)**

An adjustable, precision air dashpot provides steady tension readings as tensions fluctuate.

**High Speed Bearings (K)**

Rated for speeds up to 3500 m/min.

**Memory Pointer (M)**

Designed to retain the peak tension value as tensions fluctuate. Manually reset by using the knob located in the center of the dial.

**Ultra High Speed Roller Assembly (HS)**

Rated for speeds up to 5000 m/min.

**Model Data & Specifications**

<table>
<thead>
<tr>
<th>Accuracy</th>
<th>±1% of full scale or ±1 graduation mark on scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter of Scale</td>
<td>41 mm</td>
</tr>
<tr>
<td>Maximum Speed (standard)</td>
<td>2000 m/min</td>
</tr>
<tr>
<td></td>
<td>3500 m/min (K)</td>
</tr>
<tr>
<td>Outer roller distance, c:c</td>
<td>38 mm</td>
</tr>
<tr>
<td>DX2-5 to DX2-EX</td>
<td>38 mm</td>
</tr>
<tr>
<td>DX2-200 to DX2-1K</td>
<td>100 mm</td>
</tr>
<tr>
<td>DX2-2K</td>
<td>150 mm</td>
</tr>
<tr>
<td>DXX-3K to DXX-5K</td>
<td>250 mm</td>
</tr>
</tbody>
</table>

**Roller Material (standard)**

- Hard-coated aluminum
- Hardened steel (ST)
- Chromed Steel (W)
- Ceramic (CE)
- Plastic (PL)

**Housing material**

- Die-cast aluminum

**Dimensions**

- 225 x 90 x 44 mm
- (8.6” x 3.5” x 1.7”)

**Weight**

- 500 g (1.1 lbs.), approx.

*Using factory material standards and procedures. Special calibration using customer sample is available.*

Specifications subject to change without notice.

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