

Compact and Elegant Tray Table and Panel Positioning

The DX100 features a unique dual-axis design that allows for full fold-over performance in panels as thin as 8mm - thinner than traditional bifold or articulating hinges. This enables tables and panels to fold and stow in narrower spaces, allowing for smaller designs. The DX100 is ideal for airline and vehicle meal trays or fold-away work surfaces in applications such as medical carts and equipment.

The DX100 uses Reell's ReellTorq™ technology that provides long life, premium feel motion that holds solidly in any position along its full range of motion, rotation without rattle or position creep.

The DX100 is available with two torque profiles:

- An equal torque profile with either 0.5 N-m, 1.0 N-m, or 1.5 N-m of holding force around both axes.
- A mixed torque profile with 0.5 N-m around one axis and 1.5 N-m around the other. This allows for sequencing in motion as the panel folds. The lower torque axis will rotate first, followed by the second axis after a stop is reached on the first axis.

Design Characteristics

Performance	<ul style="list-style-type: none"> • Life of 50,000 cycles • Provides full fold-over capability in panels as thin as 8mm • Minimal freeplay
Available Torques	<ul style="list-style-type: none"> • Equal Torque: 0.5, 1.0, 1.5 N-m • Mixed Torque: 0.5/1.5, 1.5/0.5 N-m <p><i>Samples of selected torques are available. Contact Reell for availability.</i></p>
Mounting	<ul style="list-style-type: none"> • 2 x M3 flat point set screws (see sales drawing for additional detail)
Torque Profile	<ul style="list-style-type: none"> • Equal, Mixed
Finish	<ul style="list-style-type: none"> • Plated Zinc and Stainless steel
Part Weight <small>Part weights vary slightly</small>	<ul style="list-style-type: none"> • X.X g
Environment	<ul style="list-style-type: none"> • Ambient temperature range 0° - 60°C
Materials	<ul style="list-style-type: none"> • Zinc plated Bracket • Stainless steel front plate • Hardened Steel Shaft and Torque Elements • Mineral Oil Based Lubricant

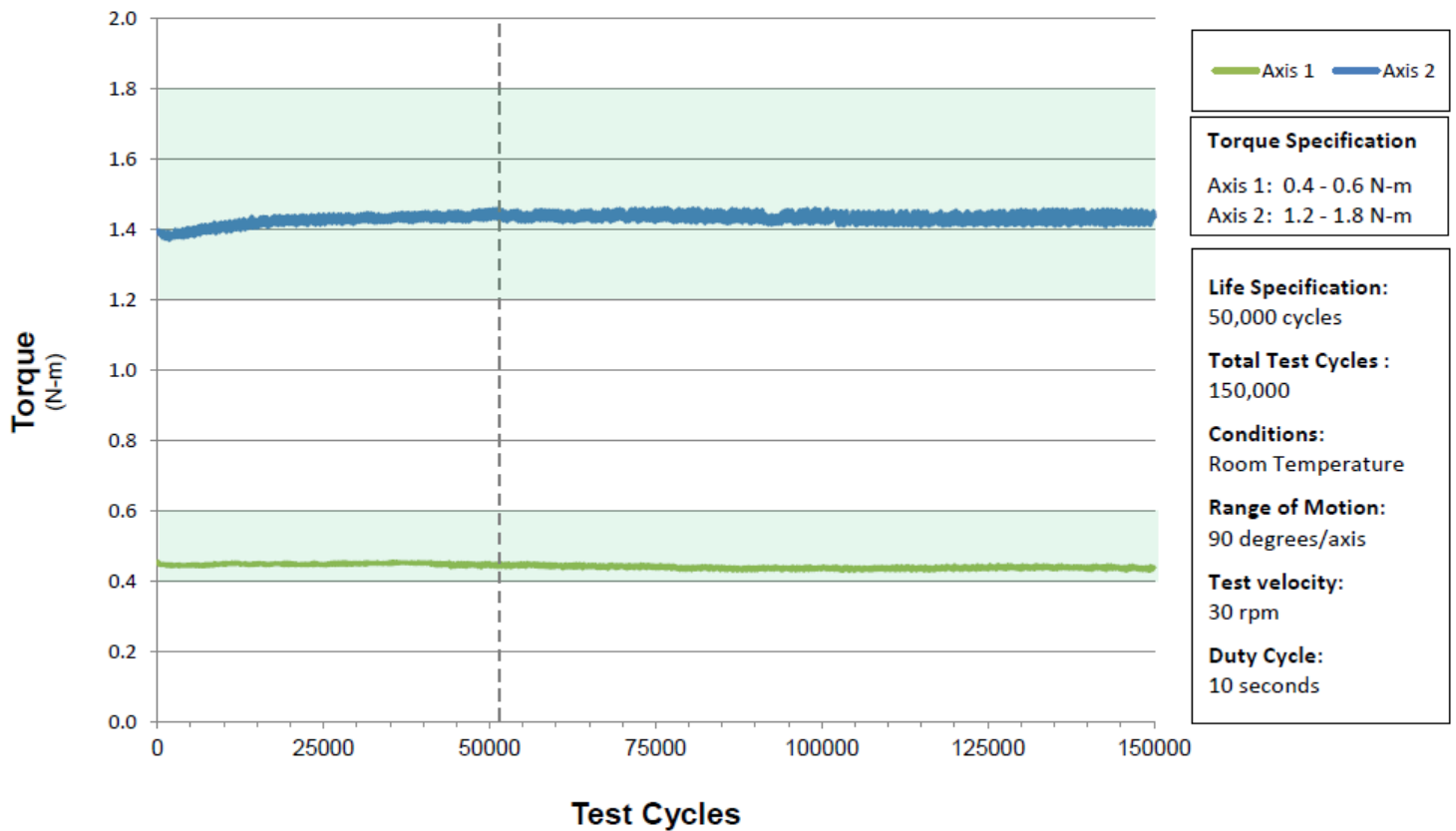
Specifying a DX100 Hinge

DX-100-X.X/X.X

TORQUE Nm (AXIS A/AXIS B)
0.5/0.5
1.0/1.0
1.5/1.5
0.5/1.5
1.5/0.5

Performance

Reell DX-100-1.5/0.5



Certifications and Compliance

- Reell USA and Reell Europe are registered to ISO 9001:2008.
- All Reell standard catalog products are fully EU RoHS and REACH SVHC compliant.
- This product may be covered under one or more US and International patents. Please refer to our online patent database at patents.reell.com for additional information.