



5mm Hinge

Reell's patented 5mm hinge is perfect for your portable computer and enclosure applications. It has a diameter of only 5mm, which provides added flexibility for your design. This hinge is designed to provide a smooth feel of quality and consistent torques of 1.8 - 5.3 lb-in (0.2 - 0.6 Nm) with a shaft rotation of 360°, provide an infinite number of holding positions for your application.



Design Characteristics

Function of Hinge

The 5mm hinge is designed to provide constant torque throughout its full range of motion. It is ideally suited to applications requiring the ability to hold an object at various positions.

Environment

This hinge was designed for indoor use, and has minimal corrosion protection.

Performance

- Springback typically < 1°
- No backlash
- Life of 25,000 cycles at 10% duty cycle for speed less than 100 rpm
- Ambient temperature range 0° - 60°C

Materials

Zinc Die Cast Housings
Hardened Steel Shaft
Hardened Steel Torque Clips
Mineral Oil Based Lubricant

5mm Hinge

Available Options

Torque

1.8, 2.7, 3.5, 4.4, 5.3 lb-in
(0.2, 0.3, 0.4, 0.5, 0.6 Nm)

Stops

No Stop

Finish

Plain Zinc

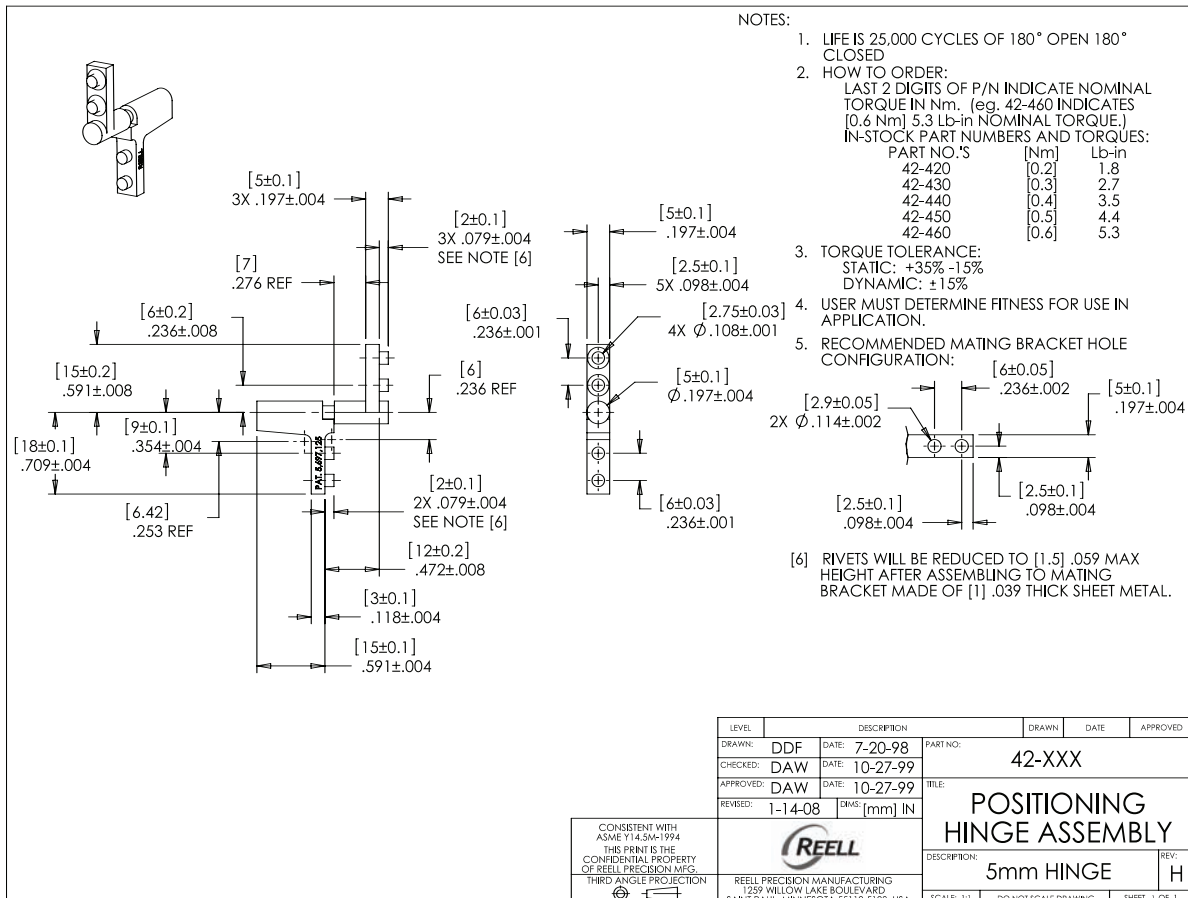
Mounting Style

Rivet Mount

Applications

- Laptop/Notebook Computers
- Flat Panel Display/Monitor Positioning
- Office Equipment
- Medical Cabinets
- Computer Peripherals
- Access Panels

The technology used in the 5mm Hinge has been assigned US Patent No. RE37712



5mm 01.08



Innovative Torque Solutions

REELL Precision Manufacturing Corporation

An ESOP Company
1259 Willow Lake Boulevard
Saint Paul, MN 55110 USA
Tel 651.484.2447
Fax 651.484.3867

www.reell.com