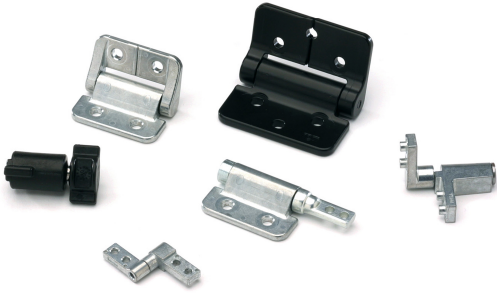


REELL *Innovative Torque Solutions*

Reell Precision Manufacturing designs and manufactures high quality standard and custom motion control devices that transmit torque, control angular position and protect delicate components from excessive force.



Combining the world's most precisely controlled torque technology, ReellTorq®, with the industry's most experienced engineering team allows Reell to provide a perfect fit solution for your applications.



Reell's elegant and reliable torque solutions are widely used for flat panel and laptop screen positioning, automobile storage and seat hinges, airline and automotive headrests, medical kiosks, office furniture, lighting and much more.



With more than 25 US and international patents and more than 45 years of experience in providing elegant, high-performance product designs for leading global and Fortune 500 companies, Reell products are time tested and proven to solve your positioning needs.



“No one in the world understands small package position control better than Reell”



SJ200, SJ300 and SJ500 Spherical Joint

The SJ Series delivers Reell's premium feel and performance in a multi-axis position control device. Featuring Reell's patented SphericalTorq™ technology.

Product Life: 50,000 total adjustments

Available Torques:

SJ200: 0.2, 0.4 N-m

SJ300: 1.0, 2.0 N-m

SJ500: 4.0, 6.0, 8.0 N-m

Torque Symmetry Options:

Symmetric (SJ200)

Differential (SJ300, SJ500)

***A New Dimension
in Position Control!***

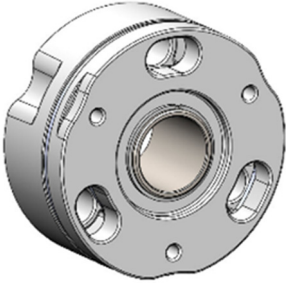
The SJ300 is also available with a Hidden Mounting option





REELL FRICTION HINGES

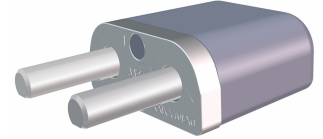
HTH60 Positioning Hinge



The HTH60 features a hollow axis design that allows wires to be routed through the axis of rotation for a cleaner design. 18mm core is large enough to allow USB-A, USB-B, USB-C, Micro HDMI and Ethernet cables.

Product Life: 50,000 cycles
Available Torques: 5.5, 7.0, 8.5, 10.0, 11.5 Nm

DX100 Multi-Axis Hinge



The DX100 features a unique dual-axis design that allows for full fold-over performance in panels as thin as 8mm, thinner than traditional hinges, allowing tables and panels to fold and stow in narrower spaces.

Product Life: 50,000 cycles
Torque Symmetry Options: Equal, Mixed
Available Torques: 0.5, 1.0, 1.5 N-m (Equal)
 0.5/1.5 1.5/0.5 N-m (Mixed)

The RT Series



Straight



Knurle



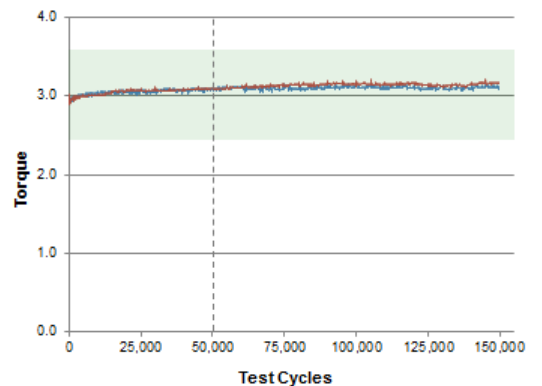
Flag

With 15 available size and shaft-end options, and torques from 1.0 to 50.0 lb-in, the RT Series is the most versatile Reell catalog hinge. A fully validated life of 50,000 cycles raises the bar for long-life performance.

Product Life: 50,000 cycles
Available Torques:
 RT50: 1.0, 2.0, 3.0, lb-in
 RT70: 3.0, 4.0, 5.0, 6.0, 7.0, 8.0 lb-in
 RT100: 8.0, 12.0, 16.0, 20.0 lb-in
 RT120: 20.0, 30.0, 40.0, 50.0 lb-in

Shaft-end Options:
 Flag, Straight, Knurled shaft-end
 Dual-ended option (RT-50, RT-70)

Hinge performance tested to 3 times life!



RT-50 RT-70 & RT-100 are available with dual-ended attachment

Molded Nylon Door Hinges



MH18

MH14

MH12

MH15

Lightweight and durable glass-filled nylon provides an attractive clean finish. The MH18 features One-way torque. The MH15 is available in both symmetric and differential torque. At only 15 grams the MH12 weighs one third of a comparable metal hinge.

Product Life: 25,000 cycles (MH12, MH13), 20,000 cycles (MH14, MH15, MH18)

Torque Symmetry Options: Symmetric, Differential (MH15 only), One-way (MH18 only)

Available Torques:
 MH12: 0.4, 0.8, 1.2, 1.6 N-m
 MH13: 1.0, 2.0, 3.0 N-m
 MH14: 1.4, 1.8, 2.2, 2.6, 3.0, 3.4, 3.8, 4.2, 4.6, 5.0, 5.4, 5.8 N-m
 MH15: 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0 N-m
 MH18: 4.0, 6.0, 8.0 N-m

Available Colors: Matte Black



MH13

REELL FRICTION HINGES

Explore our interactive hinge application guide at reell.com

Zinc, Aluminum, and Stainless Steel Door Hinges

ReellTorq[®] performance in a familiar door-hinge configuration.

All hinges have 270° of rotation. The PHCA has a lightweight aluminum bracket, the PHCS features an attractive and corrosion resistant 316 stainless steel bracket, and the PH35 with One-way torque is Reell's highest torque hinge, with torques up to 11.3 N-m.

Product Life: 50,000 cycles (PHC, PHCA, PHCS), 20,000 cycles (others)

Available Torques:

PHL: 0.9, 1.4, 1.8, 2.3, 2.8, 3.4 N-m

PH35: 5.65, 6.78, 7.91, 9.04, 10.17, 11.3 N-m

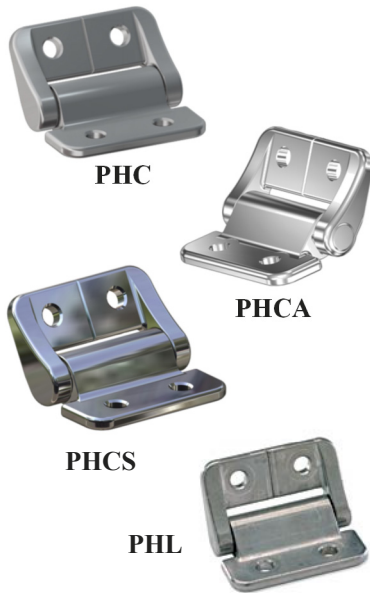
PHC, PHCA, PHCS: 0.44, 0.78, 1.22, 1.57, 2.01, 2.35, 2.79 N-m

Finish:

PHC, PHL, PH35: Black, Plain (PHC, PHL)

PHCS: 316 Stainless Steel

PHCA: Aluminum



Flag Hinges

Available in a wide variety of mounting configurations and attachment options, flag hinges are among Reell's most versatile and popular hinge offerings. The PHK is available in both single and a dual-ended configurations. The PHT features One-way torque. All flag hinges feature a full 360° of rotation.

Product Life: 50,000 cycles (PHA, PHB), 20,000 cycles (PHK)

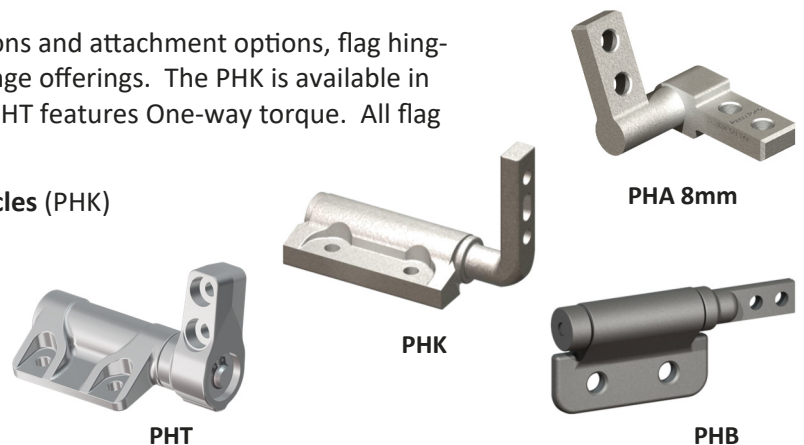
Available Torques:

PHA: 0.28, 0.37, 0.46, 0.55, 0.65 N-m

PHB: 0.44, 0.78, 1.22, 1.57, 2.01, 2.35, 2.79 N-m

PHK: 1.5, 2.5, 3.5, 4.5, 5.5 N-m

PHT: 2.0, 4.0, 6.0 N-m



vMX and vTilt VESA Monitor Mount

Reell's VESA monitor mounts attach directly to either the 75mm or 100mm mounting holes of a standard VESA compliant monitor. Both have an aesthetically pleasing nylon housing that completely seals all internal components and lubricant. vMX features Reell's patented Spherical Torque technology that allow adjustment in all directions: Tilt, Swivel, and Rotate.

Product Life: 50,000 adjustments (vMX) 25,000 cycles (vTilt)

Available Torques:

vMX: 5.0, 7.0 N-m

vTilt Differential: 3.0, 4.0, 5.0, 6.0, 7.0, 8.0 N-m

vTilt One-way: 5.0, 6.0, 7.0, 8.0 N-m

Torque Symmetry Options:

vMX: Symmetric

vTilt: Differential, One-way

Available Colors:

Black

White (min order qty applies)





REELL TORQUE INSERTS

"Modular Torque Where You Want It"



Designed to be press fit or molded into an assembly without the need for additional mounting hardware, Reell Torque Inserts are a new category of friction hinge. They provide pivoting and positioning without the visible appearance of a hinge. Because they require no fasteners they can be more cost effective and easier to assemble than traditional hinges.

TI-C5M Torque Insert

The TI-C5M is Reell's most compact torque insert. It's 5mm housing makes it ideal for modern consumer electronics applications.



Product Life: 30,000 cycles
Available Torques: 0.15, 0.25, 0.30 N-m
Torque Symmetry Options: Symmetric

TI-300 Series Torque Inserts

Reell's next generation of torque inserts are available in 3 sizes, with torques from 0.5 to 10.0 N-m. All models feature a powdered metal housing and are available with a single or dual-ended knurled shaft end or with a zinc adapter for press-fit into plastics. All are available with the One-way adapter needed for One-way torque operation.

Product Life: 25,000 cycles

Available Torques:

TI-320: 0.5, 0.75, 1.0, 1.25, 1.5 N-m

TI-340: 2.0, 3.0, 4.0, 5.0 N-m

TI-360: 6.0, 8.0, 10.0 N-m

Torque Symmetry Options:
Symmetric, One-way



TI-200 Series Torque Inserts

Zinc housings are designed for plastic insert over-molding. The TI-200 series features asymmetrical torque, with 100% of the specified torque in one direction and 60% in the opposite direction.

Product Life: 10,000 cycles (TI-220)

Torque Symmetry Options: Differential

Available Torques:

TI-220: 1.5, 2.0, 2.5, 3.0, 3.5 N-m

TI-240: 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0

TI-100 Series Torque Inserts

Glass-filled nylon housings are designed to be press fit into a variety of materials via a keyed cavity.

Available Torques:

TI-120: 0.25, 0.35, 0.50, 0.65, 0.80, 1.0, 1.2 N-m

TI-130: 1.0, 1.5, 2.0 N-m

TI-140: 1.4, 1.8, 2.2, 2.6, 3.0, 3.4, 3.8, 4.2 N-m

TI-150: 2.0, 3.0, 4.0 N-m

TI-160: 4.0, 5.0, 6.0 N-m



Torque Symmetry Options: Symmetric, One-Way (TI-150, TI-160)

Product Life: 25,000 cycles