

Blast, ballistic, and forced-entry-resistant door assemblies place unique demands on hardware. The Surelock McGill HT Series Hinges are high-capacity hinges designed to support these demanding security applications.

The HT10 and HT12 are triple-weight detention-style hinges constructed from Grade 316 stainless steel for resistance to corrosion and hostile environments. Designed for heavy security door assemblies, they incorporate thrust and needle roller bearings to support smooth operation under high loads and provide a load capacity beyond 2,000 lbs per hinge.

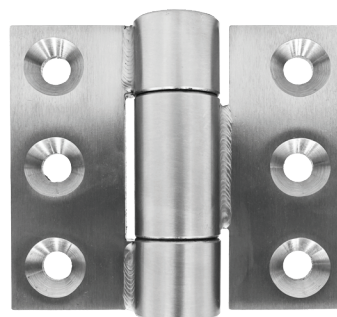


FEATURES:

- Full Mortise Hinge
- 4,100 lbs (1,800 kg) thrust load capacity per hinge
- 1,120 lbs (500 kg) radial load capacity per hinge
- Grade 316 stainless steel construction
- Thrust and needle roller bearings
- Concealed grease fittings
- Tested to 1,500,000 cycles on a 1,102 lbs (500 kg) door assembly

BENEFITS:

- Long-term durability and corrosion resistance
- Easy maintenance while preserving appearance
- Suitable for demanding security applications
- Smooth operation under load



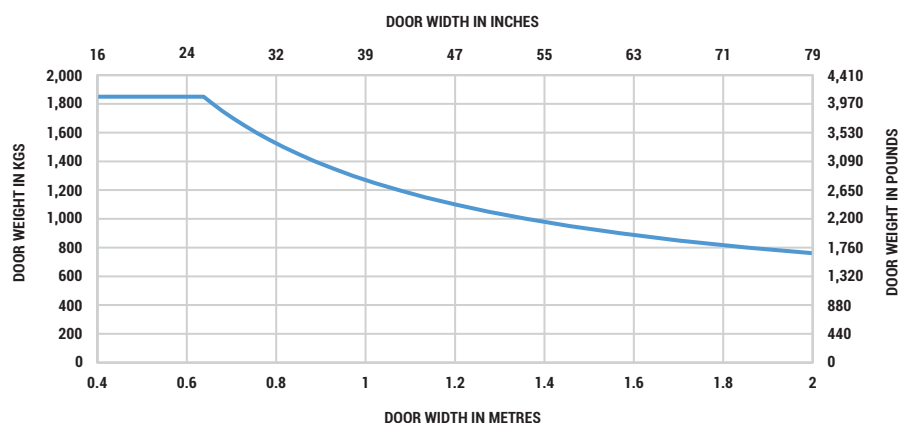
HT HINGE



HT HINGE WITH CAP REMOVED EXPOSING GREASE FITTING

LOADING CHART

The following chart is a guide for maximum door widths and weights tested on a door height of 7 ft (2.1 m) using 2 hinges equally spaced from the top and bottom of the leaf.

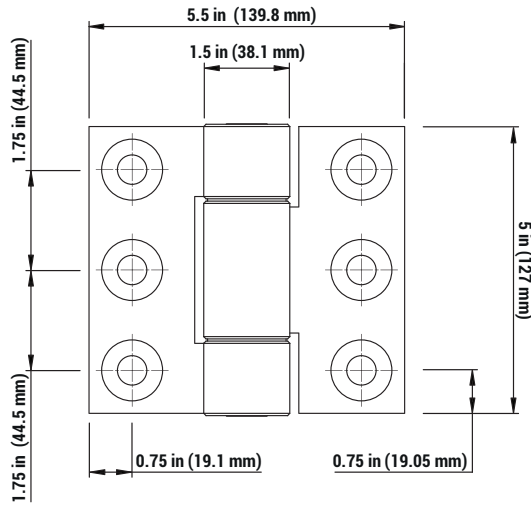


LOAD DECLARATIONS - Cycle test to 1,500,000 cycles on a 1,102 lbs (500 kg) door using 2 hinges

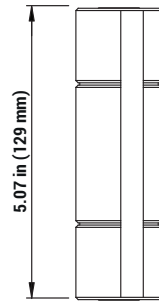
Radial load capacity - 1,120 lbs (500 kg) per hinge

Thrust load capacity - 4,100 lbs (1,800 kg) per hinge

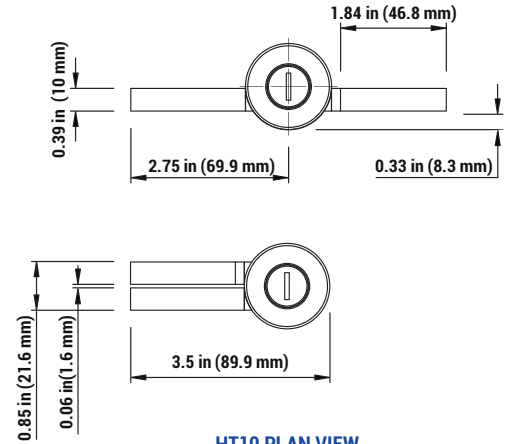
TECHNICAL DRAWINGS



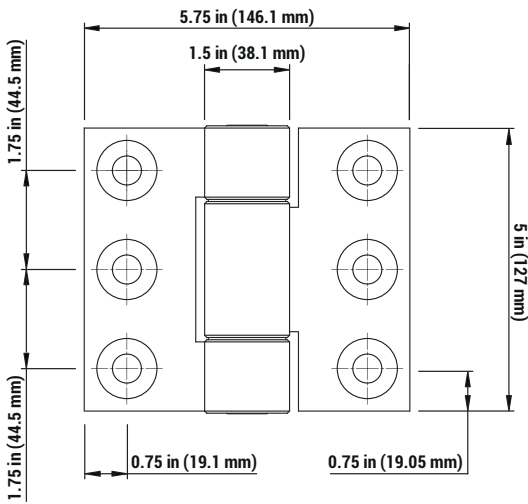
HT10 ELEVATION VIEW



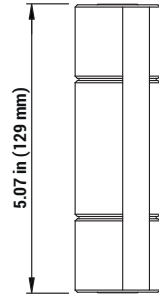
HT10 SIDE VIEW



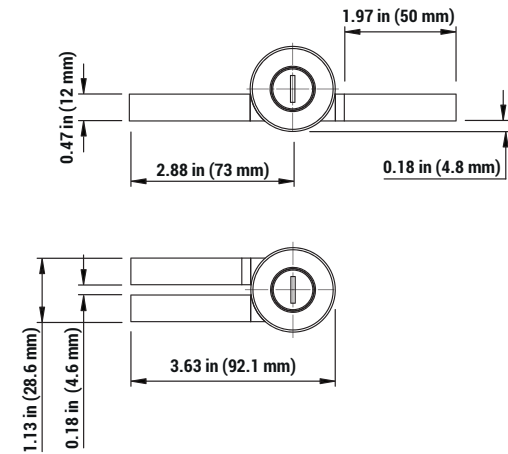
HT10 PLAN VIEW



HT12 ELEVATION VIEW



HT12 SIDE VIEW



HT12 PLAN VIEW

SELF CODING SYSTEM

The HT Hinges have a structured ordering code that covers the type, plate details, finishes, and mounting hardware.

EXAMPLE ORDER CODE: HT10-47-00-00

SYSTEM	MOUNTING PLATE THICKNESS		MOUNTING PLATE SIZE*		FINISH		MOUNTING HARDWARE	
HT	10	10 mm plate	47	46.8 mm (HT10 Only)	00	Satin	00	Metric M12 Stainless Steel (A2)
	12	12 mm plate	50	50 mm (HT12 Only)			01	Imperial 1/2" Stainless Steel (18-8)
							02	Metric M12 Stainless Steel (A4)
							03	Imperial 1/2" Stainless Steel (316 Grade)

* For more information on mounting plate size options, contact our sales team at +1-859-899-7870