

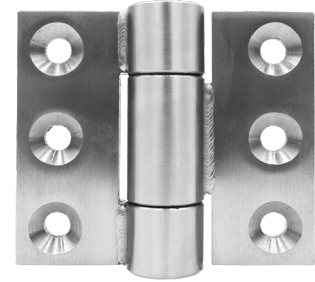
Blast, ballistic, and forced entry-resistant door assemblies place unique demands on hardware. The Surelock McGill HT Hinges are high-capacity hinges designed to support these demanding security applications.

The HT10 and HT12 are constructed from Grade 316 stainless steel for resistance to corrosion and hostile environments. Designed for heavy security door assemblies, each hinge is rated for loads up to 1,800 kg (4,100 lbs).



FEATURES

- Mortice-fitted
- 1,800 kg (4,100 lbs) thrust load capacity per hinge
- 500 kg (1,120 lbs) radial load capacity per hinge
- Bespoke mounting plates available upon request*
- Grade 316 stainless steel construction
- Needle roller and thrust bearings
- Concealed grease fittings
- Tested to 1,500,000 cycles on a 500 kg door assembly



HT HINGE

BENEFITS

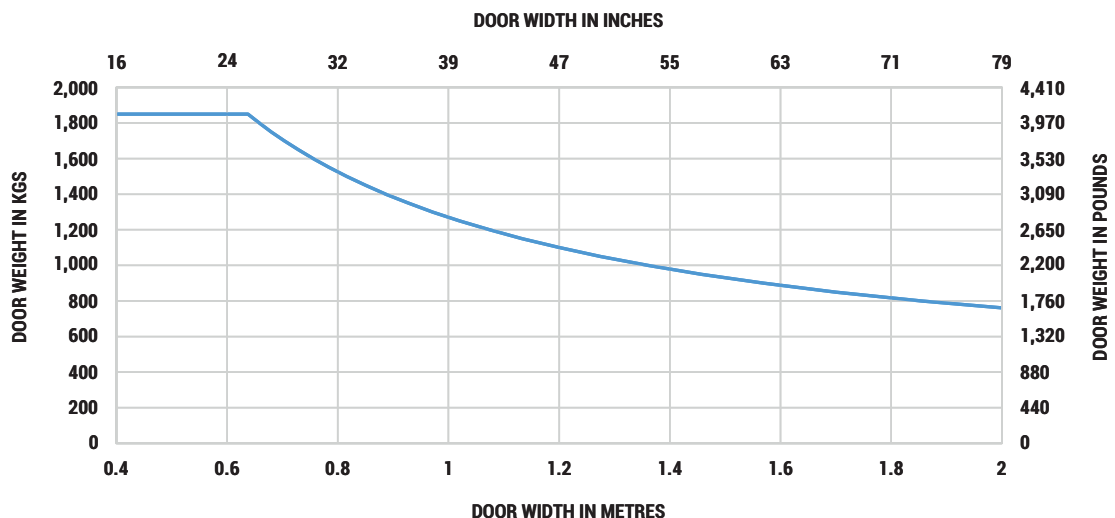
- Long-term durability and corrosion resistance
- Easy to maintain while preserving architectural appearance
- Smooth operation
- Low opening forces on heavy doors



HT HINGE WITH CAP REMOVED
EXPOSING GREASE FITTING

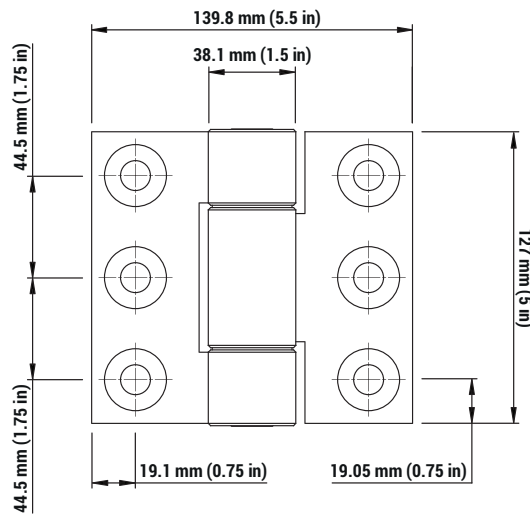
LOADING CHART

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

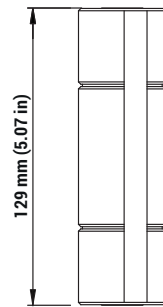


LOAD DECLARATIONS - Cycle test to 1,500,000 cycles on a 500 kg (1,102 lb) door using 2 hinges
 Radial load capacity - 500 kg (1,120 lbs) per hinge
 Thrust load capacity - 1,800 kg (4,100 lbs) per hinge

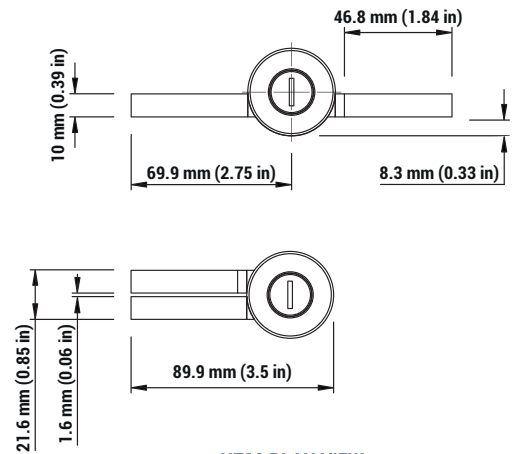
HT HINGES TECHNICAL DRAWINGS



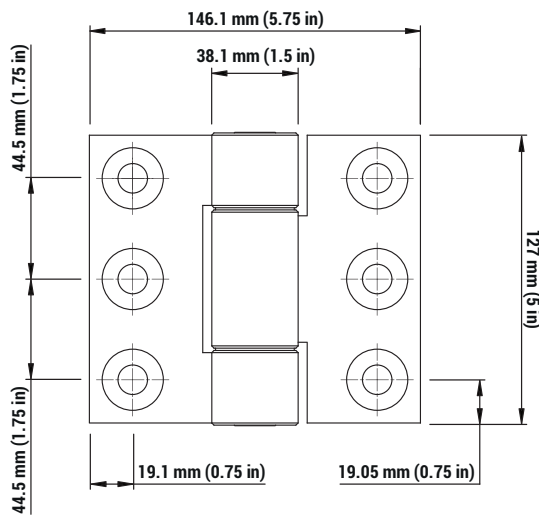
HT10 ELEVATION VIEW



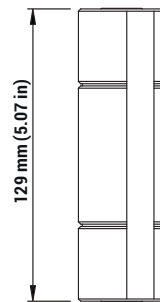
HT10 SIDE VIEW



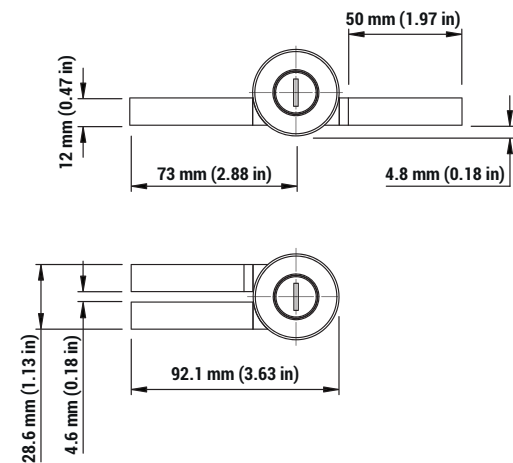
HT10 PLAN VIEW



HT12 ELEVATION VIEW



HT12 SIDE VIEW



HT12 PLAN VIEW

SELF CODING SYSTEM

The HT Hinge range has 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 custom mounting plates contact our sales team at +44 (0) 118 977 2525