

# Briton

## AH500HW Series Hinges



The AH500HW series hinges are designed to meet the highest security standards and are certified to **EN1935 G14** and **ANSI Grade 1**. This certification ensures that the hinges have undergone rigorous testing.

The AH500HW Series hinges is also built to withstand challenging environmental conditions since they undergo a thorough performance test, including a 240-hour salt-spray test.

Equipped with 4 ball bearings, the AH500HW Series hinges are ideal for heavy-duty applications and are well-suited for commercial doors, high-traffic areas, or heavier doors.

With their certification and extensive testing, you can trust that the AH500HW series hinges offer exceptional durability and security for your applications.

## Features

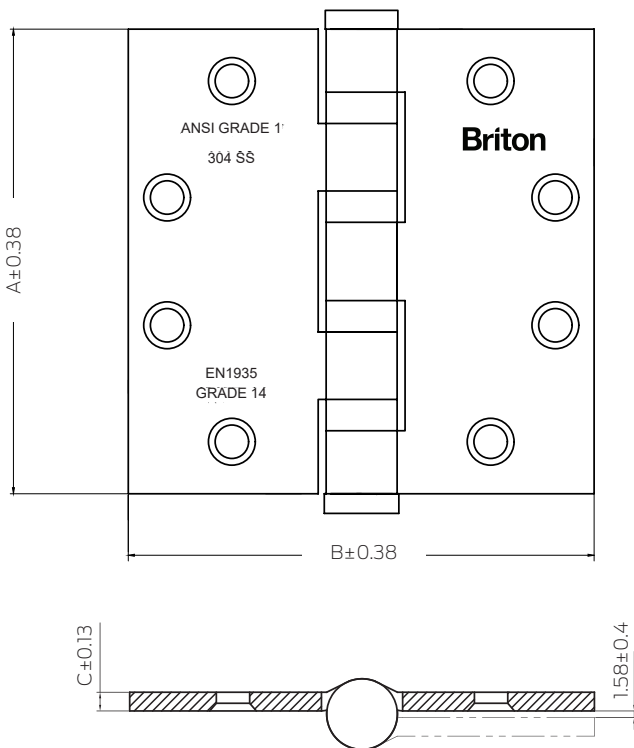
- **Comply to the highest security standards** - Certified to EN1935 G14 and ANSI Grade 1 standards
- **Exceptional durability in harsh environment** - Manufactured with premium 304 stainless steel material and tested to a 240-hour salt-spray test.
- **Superior performance with greater load capacity** - Features 4 ball bearings to provide smoother operation and support heavy-duty applications.
- **Enhanced door security:** Option to include security studs designed to prevent unauthorized door removal, ensuring the door remains secure even if the hinge pins are removed.
- **Convenient installation** - Each set of hinges is supplied with 8 pieces of machine screws and 8 pieces of wood screws by default
- **Versatile sizing options** - Various sizes are available to accommodate different project requirements

# Technical specifications

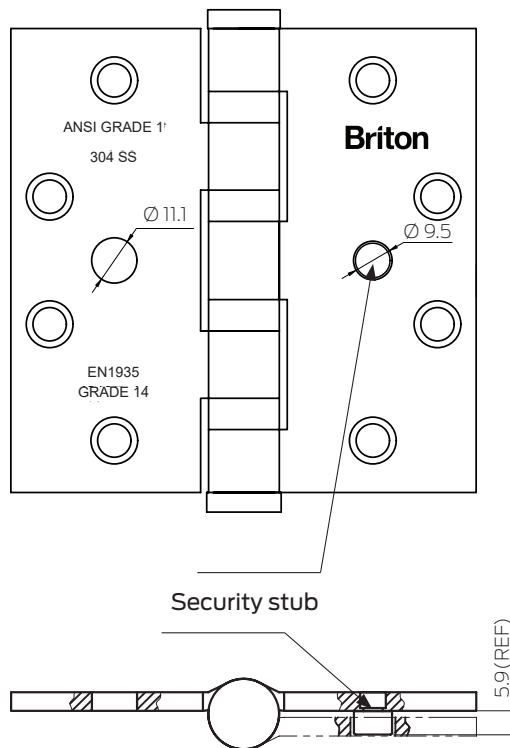
Model	AH500HW Series	
Door Weight	Up to 160kg	
Handing	Non-handed	
Opening angle	270°	
Material	304 Stainless Steel 316 Stainless Steel is available upon request	
Security Stub	Optional	
Compliance	EN1935 G14 ANSI Grade 1	
Ball Bearing	4-ball bearing	
Corrosion	240 hours salt-spray test	
Dimensions (A / B / C)	Imperial Units (")	Metric Units (mm)
	4.5 / 4 / 0.181 4.5 / 4.5 / 0.181 5 / 5 / 0.189	114.3 / 101.6 / 4.6 114.3 / 114.3 / 4.6 127 / 127 / 4.8
Finishes	629 (Polished Stainless Steel) / 630 (Satin Stainless Steel) For any inquiries regarding other finishes, please reach out to your Allegion sales representative.	

## Dimensions

AH500HW series hinge, 4 ball bearings



AH500HW series hinge, 4 ball bearings, with security stub



All measurements in the dimensional drawings are in mm.