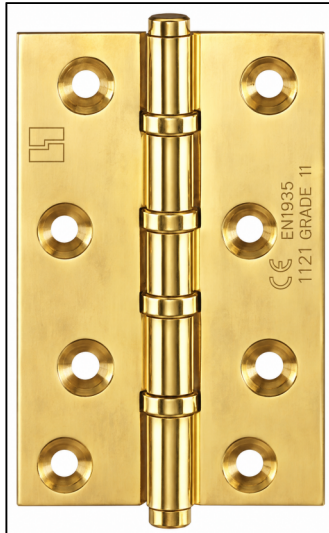




High Performance Ball Race Butt Hinge inc Screws 100 x 65mm – Polished Brass Unlacquered

Variant code: 1540CE.PBU

The **High-Performance Brass Ball Race Butt Hinge** is a substantial architectural hinge designed for **medium to heavy-weight flush doors**. Measuring **100 x 65mm** with a specified **Polished Brass Unlacquered** finish, it combines traditional architectural styling with a high-performance ball race construction for demanding door and joinery applications.

The hinge incorporates **brass ball races running in hardened steel cups**, together with a **stainless steel pin** and decorative **brass Button Tip ends**. With a manufacturer-specified **60kg load capacity**, substantial **3.5mm material thickness** and **9.2mm knuckle diameter**, it is engineered for appropriate medium to heavy-weight flush door installations.

For applications requiring documented performance, this hinge is **CE certified, UKCA certified and FD30 fire rated**. It is also backed by a **10-year performance guarantee**, providing additional confidence for appropriately specified architectural door installations where dependable performance, traditional styling and tested fire-door capability are required.

Product Features

- **High-performance brass ball race butt hinge**
- Designed for **medium to heavy-weight flush doors**
- Overall dimensions of **100 x 65mm**
- Specified in a **Polished Brass Unlacquered** finish
- **Brass ball races running in hardened steel cups**
- Features a **stainless steel pin**
- Decorative **brass Button Tip ends**
- Manufacturer-specified **60kg load capacity**
- **9.2mm knuckle diameter**
- Substantial **3.5mm material thickness**



- **CE certified**
- **UKCA certified**
- **FD30 fire rated**
- **Backed by a 10-year performance guarantee**
- **Security bolt and radius corner options** available within the hinge range
- Suitable for **right- and left-hand applications**

Product Benefits

- **60kg load capacity** provides substantial support for appropriately specified medium to heavy-weight flush doors
- **Ball race construction** helps reduce friction and supports smooth hinge movement during regular door operation
- **CE and UKCA certification** with an **FD30 fire rating** makes the hinge suitable for appropriately specified performance door applications
- **10-year performance guarantee** provides additional confidence in long-term hinge performance
- Substantial **3.5mm material thickness** complements its intended medium to heavy-weight door application
- **Stainless steel pin** forms part of the hinge's high-performance architectural construction
- Decorative **brass Button Tip ends** provide a refined traditional hardware detail
- Suitable for both **right- and left-hand installations**, providing greater flexibility across different door configurations

Technical Characteristics

- **Product Type:** High-Performance Ball Race Butt Hinge
- **Material:** Brass
- **Finish:** Polished Brass Unlacquered
- **Bearing Construction:** Brass Ball Races Running in Hardened Steel Cups
- **Pin Material:** Stainless Steel
- **End Style:** Brass Button Tip Ends
- **Overall Length:** 100mm
- **Overall Width:** 65mm
- **Material Thickness:** 3.5mm
- **Knuckle Diameter:** 9.2mm
- **Load Capacity:** 60kg
- **Handing:** Right & Left Hand

- **Performance Guarantee:** 10 Years
- **Suitable For:** Medium to Heavy-Weight Flush Doors
- **Fire Rating:** FD30
- **Quality Marks:** CE & UKCA Certification
- **Classification:** EN 1935 / EAD - 3 7 4 11 1 4 0 11

Applications

The **High-Performance Brass Ball Race Butt Hinge** is designed for **medium to heavy-weight flush doors** requiring substantial construction and a high-performance bearing arrangement. Its **100 x 65mm dimensions, 60kg load capacity**, ball race construction and **FD30 fire rating** make it suitable for appropriately specified **architectural doors, quality interior door installations, refurbishment projects and bespoke joinery**. The specified **Polished Brass Unlacquered finish** provides a classic decorative appearance for projects where traditional brass architectural hardware is preferred.

Property	Value
Finish	Polished Brass Unlacquered
Load Capacity (kg)	60
Fire Rating	FD30
Overall Length (mm)	100
Certification	CE & UKCA Certification
Thickness (mm)	3.5
Overall Width (mm)	65
Screws (Required Qty)	8
Screws (Gauge)	10
Screws (mm)	9.5 x 32
Knuckle Diameter (mm)	9.2