

PRODUCT DATASHEET

Spring-Loaded Floor Socket | Flush Bolt Receiver

REF: 191

SPRING-LOADED FLOOR SOCKET

Dust-Proof Flush Bolt Receiver | Brass Body



PRODUCT DESCRIPTION

The Spring-Loaded Floor Socket is a precision-engineered flush bolt receiver designed to be embedded flush into floor surfaces. It provides a clean, concealed receiving point for the pin of a door flush bolt, securing a door leaf firmly to the ground when engaged.

A spring-return mechanism automatically raises an internal cover to conceal the socket cavity when the bolt pin is retracted, preventing the ingress of dust, dirt, and debris. The knurled outer body ensures secure grip during installation and positive retention within the floor bore. The back gasket can be either brass or anodised aluminium.

TECHNICAL SPECIFICATIONS

Part Number	191-X010, 191-X012	
Product Type	Spring-Loaded Floor Socket	
Application	Flush Bolt Receiver / Door Bolt Pin Housing	
Body Material	Solid Brass	
Back Gasket Material	Brass or Aluminium (specify on order)	
Spring Mechanism	Internal coil spring, self-returning	
Flange Diameter (D)	20 mm	22 mm
Body Diameter (d)	14 mm	16 mm
Overall Height	34 mm	
Required Floor Bore	Ø 16 mm	
Installation Method	Flush fit into floor bore; adhesive fixed	
Compatible Substrates	Timber, concrete, stone, screed	
Operating Principle	Spring-return dust cover, spring compresses on bolt pin engagement	
Finish	Natural brass (satin machined)	
Corrosion Resistance	Inherent — brass alloy body	

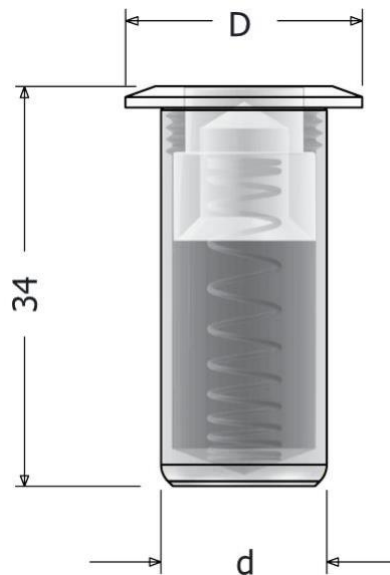


Fig. 1 — Cross-section schematic

191-X010: D = 20 mm | d = 14 mm | H = 34 mm
191-X012: D = 22 mm | d = 16 mm | H = 34 mm

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**Underfloor
Heating**

Compatible (low profile)

INSTALLATION GUIDE

1. Mark the floor position directly below the bolt pin of the door leaf when in the closed position.
2. Drill a clean vertical bore of Ø 14 mm (or Ø 16 mm) to a depth of at least 34 mm using a suitable drill bit for the substrate.
3. Clean the bore of dust and debris. Ensure the bore is dry.
4. Select the appropriate back gasket material (brass for masonry / aluminium for timber or insulated substrates).
5. Apply construction adhesive or epoxy around the outer body of the socket. Do not apply to the spring mechanism.
6. Insert the socket into the bore with the flanged cap flush with the finished floor surface. Verify alignment with a spirit level.
7. Allow adhesive to cure fully before use (refer to adhesive manufacturer's instructions).
8. Test operation: depress the spring cover by hand and verify smooth return action.

NOTES & LIMITATIONS

- ▶ This product is intended for indoor use only unless otherwise specified.
- ▶ The socket is designed for vertical bolt pin engagement only; do not use for horizontal or angled bolt applications.
- ▶ When installing in underfloor heating systems, ensure adhesive is rated for the expected temperature range.
- ▶ Regular inspection of the spring mechanism is recommended in high-traffic environments.
- ▶ All dimensions are nominal; manufacturing tolerances apply per ISO 2768-m.