

# Balcony Hangers

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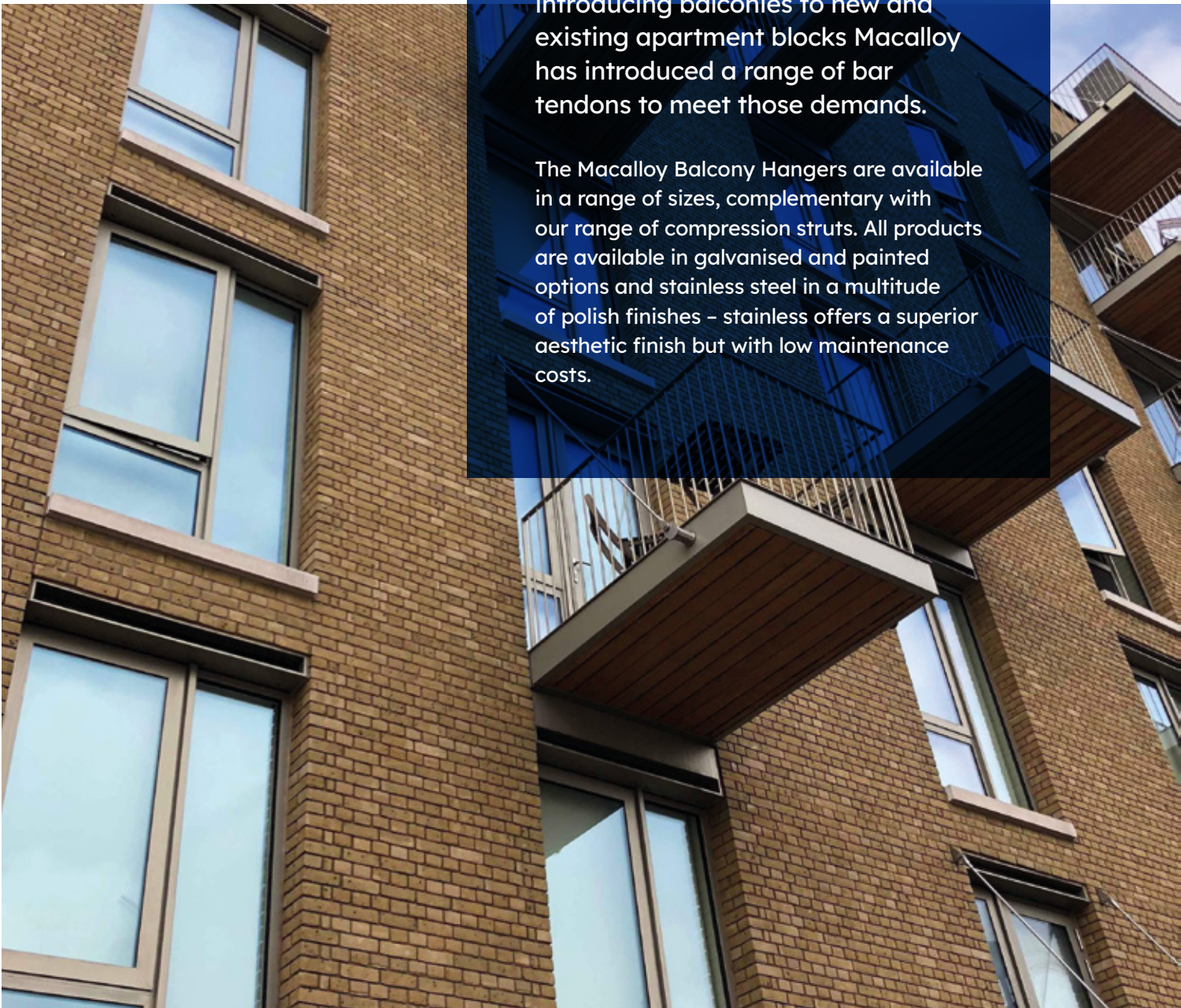
Bar Tendons | Custom Connections | Retrofitting  
Compression Struts | Site Service

# Over the years Macalloy has been at the forefront of architectural design and in particular the design for modern apartment blocks.

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As designs have evolved towards maximising the living floor area and introducing balconies to new and existing apartment blocks Macalloy has introduced a range of bar tendons to meet those demands.

The Macalloy Balcony Hangers are available in a range of sizes, complementary with our range of compression struts. All products are available in galvanised and painted options and stainless steel in a multitude of polish finishes – stainless offers a superior aesthetic finish but with low maintenance costs.



## Benefits of the Macalloy Balcony Hangers range

Macalloy continues to work hard with engineers and architects to develop solutions and custom connections for traditional and luxury apartments. Below are some of the benefits of the systems.

- Gives architects the possibility to conceive much larger balconies for recreational use at relatively low cost.
- Makes “retrofitting” of balconies easier because the loads transferred to the existing structure are much reduced, especially when lightweight materials are used.
- Reduces cold bridging and makes it much easier and cheaper to incorporate thermal breaks thereby ensuring maximum comfort inside the building.
- By using **Macalloy Balcony Hangers** the load on the shear connectors and consequentially the numbers of hangers can be reduced cutting costs and installation time.
- By incorporating **Macalloy Balcony Hangers** in the design the balcony can be “slimmed” down reducing the weight and the cost giving a more aesthetic and cost effective solution.
- There is a design trend to use stronger and lighter materials including aluminium and extruded composites reducing costs **MACALLOY BALCONY HANGERS** assist with designers on the “next generation” of composite light and flexible balconies.
- For structures that require compressive members to cater for an “uplift” in loading **Macalloy** can offer our compression strut range which have both compressive and tension capabilities.





Designed by **ROGER STIRK HARBOUR AND PARTNERS** the Merano residences at the Albert Embankment London consists of 40 luxury apartments overlooking the Thames. **MACALLOY BALCONY HANGERS** were used in various inclinations to support the balcony deck anchored into the structure using a “gallows” concept giving an Aesthetic feel and design. This solution maximises the floor area and gives a large viewing platform across the Thames.

**SOU FUJIMOTO'S** tree like tower in Montpellier, France features balconies that fan out like leaves. This 17 storey building the **L'ARBRE BLANC TOWER** contains 113 apartments with cantilevering balconies.



## RETROFIT BALCONIES

An increasing fashion in modern construction is to retrofit a balcony after the initial construction. Part of the wall is cut away and replaced by bifolding doors or standard Patio arrangement, and a lightweight balcony is inserted usually aluminium decking and construction. Retrofit Balconies will enhance property values whilst providing a welcome outdoor recreational space with a larger light weight balcony.



ETA - 21/0053 Tension Rod Systems  
BSEN ISO 9001: 2015



For further information call +44 (0)1909 519200  
email [sales@macalloy.com](mailto:sales@macalloy.com) or visit [macalloy.com](http://macalloy.com)

Caxton Way, Dinnington, Sheffield, S25 3QE, U.K.