

Site Services

Get the most out of your Macalloy products.

Products & Services

Macalloy

**100
years
1921-2021**

From your first design to project completion, our team of experienced Engineers are on hand to answer your technical enquiries and assist in the design and development of your project.

We develop solutions tailored to your specific needs. We also provide a wide range of Stressing Equipment for hire or purchase.

Our qualified Site Services Team provide training, assistance or a full stressing and advice service, depending on your requirements.

TYPICAL APPLICATIONS

- Bridges
- Balconies
- Facades
- Large-span roof structures
- Holding down bolts
- Bracing
- De-commissioning of existing structures
- Remedial and repair work
- Strong floors



Get the most out of your Macalloy products

Have you thought about...

Pre-loading and sagging?

The need for aligning and levelling tension rods?

Checking and determining loads?

At Macalloy, we offer a comprehensive Site Services package. This includes:

1. SERVICE OPTIONS

Macalloy offer a number of service options, including complete job stressing, de-stressing or measurement of loads, all to an agreed stressing sequence. In addition, one of our representatives can supervise the assembly of the components on site.

2. TRAINING

Macalloy provide support and training on all our systems, as well as on the use of hydraulic equipment. You can also access training on jacks and Macalloy TechnoTensioner units.

3. EQUIPMENT HIRE/PURCHASE

We can arrange for the hire or purchase of calibrated torque wrenches, hydraulic jacks and TechnoTensioner Units, for any length of time required. All equipment comes with calibration and test certificates and conversion charts.

4. AFTER SALES SERVICE

As part of our system management and maintenance programme, to ensure the long-term health of the bar system, Macalloy can offer an inspection service including load checking.

MACALLOY TENSIONING SYSTEMS

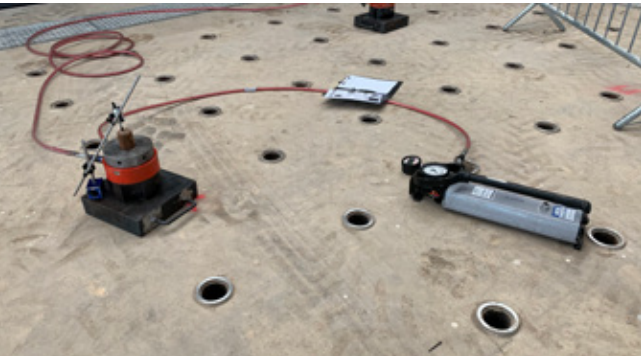
MACALLOY PIN-CONNECTED BARS AND CABLES

The Macalloy TechnoTensioner for use on architectural systems is a unique hydraulic tensioning device. This allows for the simple stressing, de-stressing and load measurement of pin-connected tension bars and small cables. It is used in conjunction with a turnbuckle and can be used to accurately induce predetermined loads. The Macalloy TechnoTensioner can be used to avoid seizing in stainless steel threads due to cold welding. Macalloy's Site Services team is available to provide on-site support and training on the use of the Macalloy TechnoTensioner.



MACALLOY POST TENSIONING

Macalloy can offer full on-site assistance for the stressing and de-stressing of the 1030 Post Tensioning System. It can also be used for geotechnical applications including Macalloy Stainless 650. This can be performed using hydraulic jacking equipment or a torque wrench, depending on the loads. This includes pullers which incorporate our proprietary thread form to deliver an efficient stressing procedure.



50MM MACALLOY 1030 POST TENSIONING BARS being tensioned for the University of Cambridge Strong Floor.

The **NRFIS** Strongfloor at the **UNIVERSITY OF CAMBRIDGE** is part of the new Civil and Sensing research facility, it utilises 528 50mm Macalloy 1030 bars on the upper surface, unusually this strong floor has a soffit strong surface underneath which doubles the effective surface area, particularly useful for long term testing. As part of the hand over a percentage of these bars were proof load tested.

IPC HOUSE in **DUBLIN** is part of the Shelbourne road development for the Dublin business quarter adjacent to the Aviva Stadium. High capacity M90 Macalloy 520 bars were set to load and level using the Macalloy Techno Tensioner as prescribed by the client on the IPC house in Dublin. The Macalloy 520 bars were connected to the concrete structure using pin jointed articulated clevis units.



MACALLOY TECHNO TENSIONER UNIT used for stressing M90 Macalloy Tension Bars at a cantilevered corner in Dublin.



THE BROADWAY mixed use development which is within walking distance of the Houses of Parliament is on the site of the **OLD "NEW SCOTLAND YARD"**. The temporary crane base was post tensioned into place on top of the lift core above the 19th floor, prior to erecting the high level tower crane. Steel arts completed this work using 40mm Macalloy 1030 bars.

40MM MACALLOY 1030 POST TENSIONING BARS on crane base on Victoria Street, London.



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



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