

N25 PERMANENT ACCESS AND SAFETY EQUIPMENT

To be read with Preliminaries/General conditions.

TYPE(S) OF SYSTEM/EQUIPMENT

N25/210 GUIDED TYPE FALL ARREST SYSTEM

220 SINGLE POINT ANCHORAGE DEVICES FOR _____

Latchways PushLock System

Latchways plc offers a complete service in the provision of fall protection equipment for a wide range of applications.

The PushLock system consists of a stainless steel socket and removable eyebolt to provide anchorage points for the attachment of PPE. The eyebolt is removed when not in use, minimising visual impact. The remaining socket cap can be colour coded to match interior décor or metalwork. Various sockets are available for fixing mechanically or chemically into different structures such as steelwork, masonry, brickwork and cavity walls.

Consult Latchways plc technical literature for details. Latchways plc can also provide a specification service and it is recommended that they are consulted early in the design process.

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Product reference: Latchways PushLock System

GENERAL REQUIREMENTS

N25/320 INFORMATION TO BE PROVIDED AFTER ACCEPTANCE OF TENDER:

- Submit to the CA within 2 weeks of appointment the following particulars:
- Detailed drawings to fully describe fabrication and installation.
- A detailed fabrication, installation and testing programme compliant with the main contract master programme.
- Proposed fixing anchor details relevant to the structural design and construction of the building.

DESIGN/PERFORMANCE REQUIREMENTS

N25/430 SAFETY:

The equipment as installed must have no irregularities/ projections capable of inflicting personal injury. Finished surfaces and edges of all accessible parts must be regular and smooth.

N25/460 ASSESSMENT/TESTING OF FIXING POINTS FOR ANCHOR DEVICES:

- Design and installation of fixings in steelwork or timber: Verified by calculation to be capable of sustaining the relevant static and dynamic test forces specified in BS EN 795, clause 4.3.
- Fixings in other materials: Verify suitability by carrying out a test in a sample of the material. The sample must be capable of sustaining the relevant static and dynamic test forces specified in BS EN 795, clause 4.3. Thereafter, each structural anchor installed in that material must be subjected to an axial pull out force of 6 kN to confirm the soundness of the fixing. The structural anchor must sustain the force for a minimum of 15 seconds.

N25/510 FABRICATION AND ASSEMBLY GENERALLY:

- Machine cutting, drilling and assembly: Carry out as much as possible in the workshop. Obtain approval for any reassembly on site.
- Dissimilar metal surfaces of assembly components/ supports/ fixings: Isolate to prevent electrolytic corrosion.

N25/520 PROTECTION AND HANDLING:

Protect all assembled items against damage, corrosion and disfigurement during handling, installation and subsequent site operations.
Do not deliver to site any components or assemblies that cannot be installed immediately or unloaded into a suitable well protected storage area.

N25/530 SUITABILITY OF STRUCTURE/FABRIC:

Before commencing installation carry out a visual and geometrical survey of the supporting building structure and fabric. Report immediately to the CA if structure/fabric will not allow the required accuracy or security of erection/ fixing.

N25/550 FIXINGS, INSERTS AND BOLTS

Supplier: Equipment manufacturer/ supplier.

N/25/560 FIXINGS FOR SECURING EQUIPMENT

Must be capable of adequate three dimensional adjustment to accommodate building structure/fabric irregularities.

N25/570 FIXING ANCHOR INSTALLATION:

Site drill or cut into structure/fabric only in approved locations as per Latchways guidelines.
Distance between all fixing devices and edges of supporting material to be not less than recommended by Latchways.

N25/610 IDENTIFICATION AND REGISTRATION LABEL(S) FOR GUIDED FALL ARREST SYSTEM

- Provide and fix to each system a permanent label giving:

- Latchways name, address and telephone number
- Name and/or reference code of site and system
- Serial number and year of manufacture
- Maximum number of users to be attached at any time
- Date of installation / last inspection
- PPE requirements
- Label(s) to be located in positions such that they can be easily read.

N25/820 OPERATING INSTRUCTIONS:

One complete set of ManSafe User instructions to be supplied with the system.

N25/830 OPERATING AND MAINTENANCE MANUAL:

Before practical completion provide for inclusion in the Building Manual printed instructions and recommended procedures to be established by the Employer for operating and routinely maintaining the equipment. Provide diagrams where appropriate.

The information must include:

- Instructions for assembling/erecting equipment for use
Comprehensive operating instructions, including safety and emergency procedures, for all motions including upward, downward and lateral travel, and slew
Servicing and planned maintenance procedures, including assembly instructions where maintenance necessitates dismantling of machinery parts
- List of replacement parts, with references
- Recommended procedures for testing equipment.