

NBS L30 Fixed XSGuardrail systems

XSParapet and XSWall fixed guardrails by XSPlatforms

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Product Description:

XSGuardrail systems are suitable for installation and use on new and existing buildings with working platforms, roofs or technical terraces having slopes between 0° and 10° and no public access.

Comprising straight uprights with hand and knee rails, all connected via a specially designed clamping system to allow fast assembly and accurate level adjustment (via reclamp system). Can be fixed to various roof or platform types; fixing is dictated by whether parapet is present, and weatherproofing methods used on the building.

All XSPlatforms' fixed guardrail systems are designed to meet the requirements of EN 14122-3 and OSHA 1926 Sub M.

Component breakdown as per XSPlatforms' design:

Technical Product Specification

Uprights:

- Profile:

- Straight; 1100 mm (43 ⁵/₁₆ inches)* high.
 - * Adjustable height, depending on the height of the (existing) parapet.

- Maximum centres, distance between uprights:

- Slab mounted: 1.5 meters (4 feet 11 ¹/₁₆ inches).
- Top (parapet) mounted: 1.5 meters (4 feet 11 ¹/₁₆ inches).
- Side (parapet) mounted: 1.5 meters (4 feet 11 ¹/₁₆ inches).

Connecting element:

- Joint-connection part; connects handrails/tubes linearly.

Handrails (tubes):

- 40 mm (1 ⁹/₁₆ inches) diameter aluminium.

- Lengths:

- 3 or 6 meters (9 feet 10 ⁷/₆₄ inches or 19 feet 8 ⁷/₃₂ inches).

Corner sections:

- 45° corner section; for use where uprights must be positioned directly in a corner of 45°.
- 90° corner section; for use where uprights must be positioned directly in a corner of 90°.
- Corner sections between 80° and 160° can be made with special foldable connector.

End parts:

- Closure bend; for use where handrail ends but cannot be attached to building. Connects handrail to knee rail. Can also form a designated opening in system. Requires installation of an upright with two counterweights.
- Wall end piece; for termination at a supporting wall, parapet or other structure. Fixed with four 6 or 8 mm ($1/4$ or $5/16$ inch) diameter screws. Diameter depending on the mounting surface.

Entry gate:

- Only compatible with straight (foldable) uprights.
- Can be installed anywhere along the guardrail system.
- Width of 1000 mm ($39\ 3/8$ inches).
- Held closed by spring-loaded mechanism.

Maximum centres:

- Between hand and knee rail and knee rail and toeboard or parapet: 470 mm ($18\ 1/2$ inches).

Toeboards:

- Required where there is no parapet or where height of parapet is less than 100 mm ($3\ 15/16$ inches).
- Supplied with an attaching kit.

Finishes:

Denoted by reference suffix.

- Untreated: '-'.
 - Coated to RAL colour: 'RAL'.
 - Give RAL colour reference as separate item.

Mounting the base (for wall or parapet):

Fixing or mounting of the different bases are dependent on whether the parapet exists or weatherproofing of the building; if questioned, please contact XSPlatforms. For fixing the bases to the structure use M12 diameter fixings, preferably in combination with the use of chemical plugs (for example: Hilti Hit-HY 70). Strength of the receiving structure must be checked against traction forces generated by the guardrail system.