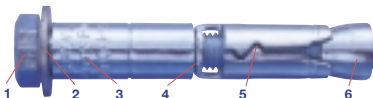


Limited Embedment



- | | | | | | |
|------------------------------------|--|---|--|---|--|
| <p>1 8.8 grade bolt</p> | <p>2 High strength steel washer</p> | <p>3 Sleeve provides maximum shear load performance. Bolt, drill size and minimum embedment depth are shown to ensure correct installation</p> | <p>4 Integral controlled collapse and anti-rotation feature ensures fixture is firmly secured</p> | <p>5 Unique zig-zag feature provides balanced expansion ensuring secure setting and maximum load carrying capacity</p> | <p>6 Case-hardened nut with optimum taper angle for maximum expansion</p> |
|------------------------------------|--|---|--|---|--|

Product Data

The Limited Embedment SafetyPlus™ is a high performance all steel expansion anchor suitable for use in concrete of reduced thickness and where loadings of less than the standard SafetyPlus™ may be required. It is a through fixing, thus allowing the hole to be drilled through the fixture, eliminating the need for marking out, ensuring fast and easy installation.

Due to the reduced hole depth, the Limited Embedment SafetyPlus™ can be considered where drilling into heavily reinforced concrete. Other products in the range are standard Loose Bolt, Bolt Projecting, Countersunk and the Internally Threaded Socket Anchor.


Available in:

Zinc-plated steel with 8.8 grade bolt

Typical Applications:

| | | |
|----------------------|-----------------|------------------|
| Structural Steelwork | Road Signs | Industrial Doors |
| Masonry Support | Heavy Machinery | Safety Barriers |
| Cladding Restraint | Racking Systems | Brackets |

SafetyPlus™ Limited Embedment Range: Loose Bolt

| | BOLT SIZE (d) | BOLT LENGTH (l) (mm) | WASHER DIAMETER (w) (mm) | MAXIMUM FIXTURE THICKNESS (mm) (T _{fix}) | HOLE DIAMETER | | MINIMUM HOLE DEPTH IN CONCRETE (mm) (h _o) | MINIMUM SUBSTRATE THICKNESS (mm) (h _{min}) | RECOMMENDED TORQUE (Nm) (T _{Inst}) | PRODUCT CODE |
|--|------------------|----------------------------|-----------------------------------|--|---|--|---|--|---|-----------------|
| | | | | | IN FIXTURE (mm) (d _f) | IN CONCRETE (mm) (d _c) | | | | ZINC PLATED |
| | | | | | | | | | | |
|  | M8 | 80 | 21 | 25 | 14 | 12 | 55 | 100 | 25 | 50-005 |
| | M10 | 90 | 24 | 25 | 17 | 15 | 70 | 110 | 50 | 50-018 |
| | M12 | 100 | 30 | 25 | 20 | 18 | 85 | 130 | 80 | 50-033 |
| | M16 | 130 | 40 | 30 | 26 | 24 | 100 | 165 | 180 | 50-048 |