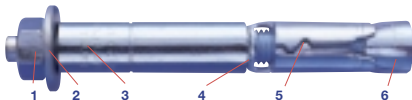


Bolt Projecting



- | | | | | | |
|---|--|---|--|---|--|
| <p>1
8.8 grade stud with slot for final adjustment</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 Bolt Projecting SafetyPlus™ is an all steel high performance expansion anchor, suitable for the most demanding, safety critical applications.

This range of anchors offers exceptional tension, shear and combined load performance in concrete. A wide range of bolt diameters and lengths are available providing the specifier with numerous design options. The SafetyPlus™ is a through fixing, thus allowing the hole to be drilled through the fixture, eliminating the need for marking out, ensuring fast, easy and accurate installation.

The removal of the hexagon nut facilitates easy removal and replacement of the fixture, if required, whilst still supporting the load.

Other versions available in the range are Loose Bolt, Countersunk, Limited Embedment and the Internally Threaded Socket Anchor.

Available in:

Zinc-plated steel with 8.8 grade stud

Typical Applications:

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

SafetyPlus™ Standard Range: Bolt Projecting

BOLT SIZE	BOLT LENGTH (mm)	WASHER DIAMETER (mm)	MAXIMUM FIXTURE THICKNESS (mm)	HOLE DIAMETER		MINIMUM HOLE DEPTH IN CONCRETE (mm)	MINIMUM SUBSTRATE THICKNESS (mm)	RECOMMENDED TORQUE (Nm)	PRODUCT CODE
				IN FIXTURE (mm)	IN CONCRETE (mm)				ZINC PLATED
				(<i>d_f</i>)	(<i>d_c</i>)				
M8	95	21	15	14	12	80	120	25	50-110
M10	110	24	20	17	15	90	140	50	50-120
	130		40						50-125
M12	135	30	25	20	18	105	160	80	50-135
	160		50						50-140
M16	160	40	25	26	24	125	200	180	50-150
	185		50						50-155
M20	190	50	30	30	28	155	240	275	50-165