

Shield Anchors – Projection Bolt



Stud Type

- Ideal where fixtures have to be placed over the stud, wall fixings, overhead and ceiling work
- Grade 4.8 stud

Applications

- Cable tray, trunking, suspended ceilings, radiators, pipe work, ducting and structural fixings.

Recommended Load

Size	C20/25 Concrete						Brickwork (20 N/mm ²)	
	Characteristic Resistance(kN)		Design Resistance (Factored) (kN)		Recommended Load (Unfactored) (kN)		Recommended Load (Unfactored) (kN)	
	Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile	Shear
	M6	9.6	8.2	4.5	4.5	3.8	3.8	1.8
M8	12.1	12.8	5.6	7.1	4.6	5.9	2.3	2.3
M10	16.7	20.9	7.7	11.6	6.4	9.6	2.9	2.9
M12	24.6	30.5	11.4	16.9	9.5	14.0	4.3	4.3
M16	57.4	55.3	26.6	30.7	22.1	25.7		

Above M12 are not recommended in brickwork

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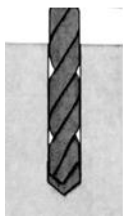
Units 1-3 Venture Court, Metcalf Drive, Altham,
Accrington, Lancashire BB5 5WH

Range Information

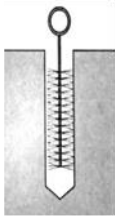
Size	Thread Size	Stud Length (mm)	Shield Dia. (mm)	Shield Length (mm)	Hole size (mm)	Max Fixture Thickness (mm)	Min. Hole Depth (mm)	Rec. Torque (N.m)		Minimum Distance			
								Concrete	Brickwork	To Edge (mm)	Between Fixings (mm)	To corner (mm)	Min. Thickness Base Material
6X10	M6	55	12	40	10	8	50	6.5	5	65	60	75	100
6X25	M6	75	12	40	10	25	50	6.5	5	65	60	75	100
6X60	M6	110	12	40	10	60	50	6.5	5	65	60	75	100
8X10	M8	65	14	50	14	7	60	15	7.5	70	70	90	100
8X25	M8	85	14	50	14	25	60	15	7.5	70	70	90	100
8X40	M8	100	14	50	14	40	60	15	7.5	70	70	90	100
8X60	M8	120	14	50	14	60	60	15	7.5	70	70	90	100
8X80	M8	140	14	50	14	80	60	15	7.5	70	70	90	100
10X15	M10	85	16	60	16	15	70	27	13	75	80	100	100
10X30	M10	100	16	60	16	30	70	27	13	75	80	100	100
10X60	M10	130	16	60	16	60	70	27	13	75	80	100	100
10X80	M10	150	16	60	16	80	70	27	13	75	80	100	100
12X15	M12	105	20	80	20	10	90	50	23	100	110	130	125
12X30	M12	125	20	80	20	30	90	50	23	100	110	130	125
12X50	M12	145	20	80	20	50	90	50	23	100	110	130	125
12X75	M12	170	20	80	20	75	90	50	23	100	110	130	125
16X15	M16	130	25	100	25	14	110	120	-	170	180	210	200
16X35	M16	150	25	100	25	34	110	120	-	170	180	210	200
16X75	M16	190	25	100	25	74	110	120	-	170	180	210	200

Installation Guide

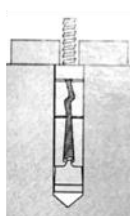
Drill a hole



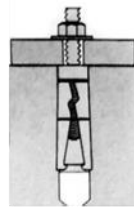
Clean thoroughly



Insert the shield



Position fixture, insert stub and tighten



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