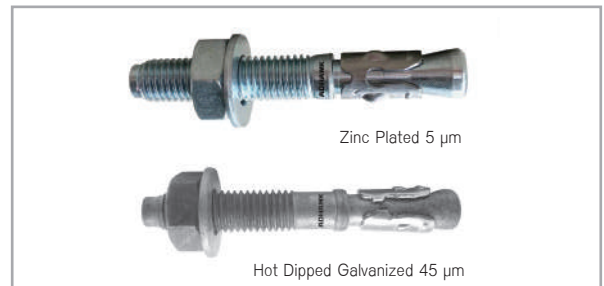




WEDGE ANCHOR

WEDGE ANCHOR

The wedge anchor are fully threaded, torque - controlled, design for consistent performance in cracked and non-cracked concrete base materials include normal weight concrete, sand lightweight concrete deck.



FOR FIXING TO

- Concrete 
- Solid brickwork. 

MATERIAL AND SURFACE FINISH

Carbon Steel 5.8 grade , Zinc Plated
Carbon Steel 5.8 grade , Hot Dipped Galvanized

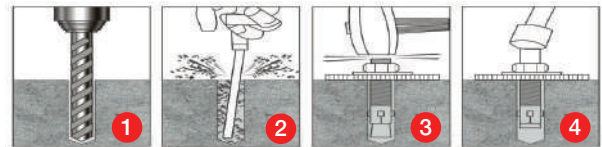
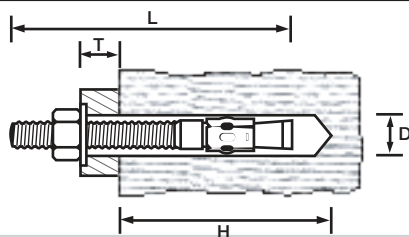
APPLICATIONS

Timber to concrete: Bottom wall plates. Wall and floor frame work.
Steel to Concrete: Columns , racking , balustrades , machinery, safety barriers, hand rails, stairways, light to medium loads suitable for cyclic loading.



INSTALLATION DATA

Size	M8	M10	M12	M16
Norninal drill bit diameter (mm)	8	10	12	16
Installation trque (Nm)	20	40	60	120
Embedment depth (mm)	54	67	81	97
Effective depth (mm)	48	60	72	86
Critical edge distance (mm)	72	90	108	129
Critical spacing	144	180	216	258

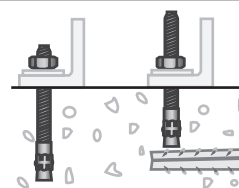


- 1 Using the fixture being fastened as a template, drill hole in concrete same diameter as the Wedge Anchor to the recommended depth.
- 2 Clean the hole.
- 3 Drive the Wedge Anchor into the hole through fixture until washer and nut are flush with fixture.
- 4 Tight nut with wrench, approximately 3 to 4 full turns of the nut. The taper stud move upward to expand the expansion sleeve to grip the hole firmly.

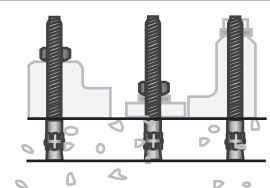
ADVANTAGES

- Versatile fully threaded design
- Anchor diameter equals hole diameter
- 360° contact with concrete assures full expansion for reliable working loads
- Non bottom - beating, may be used in hole depth exceeding anchor length
- Can be installed through the work fixture, eliminating hole spotting
- Anti-rotation lugs

FULLY THREADED ADVANTAGES



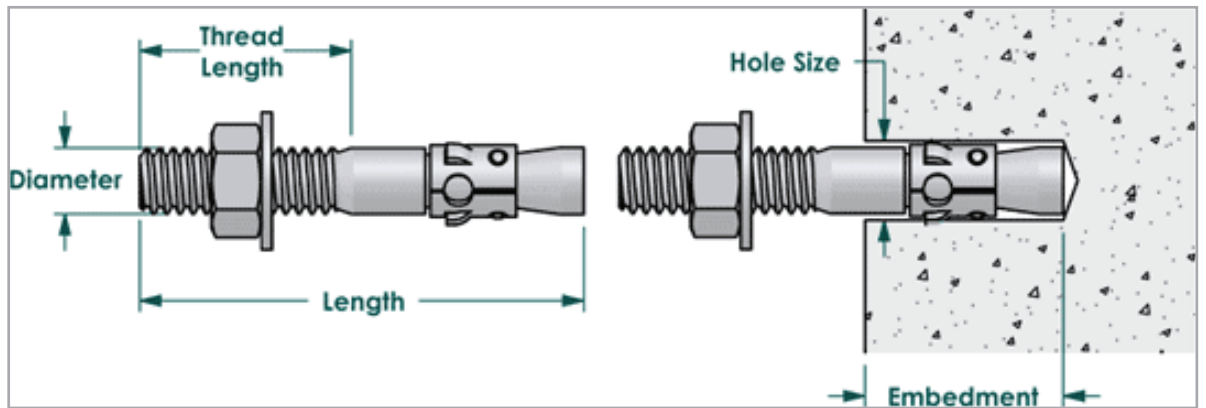
Trubolt's full threaded feature eliminates subsurface obstruction problems.



Fully threaded design accommodates various material thickness at the same embedment. One anchor length saves time and money.

WEDGE ANCHOR

WEDGE ANCHOR



Anchor Size (mm) x Anchor Length (mm)	Thread Length (mm)	Fixture Hole (mm) x Max.Fixture Thickness (mm)	Packed Quantity (Carton)	Part No. Carbon Steel (Plate)	Part No. Hot Dipped Galvanized
M8x65	30	10X20	780	WAZPB08065	-
M8x75	42	10X30	800	WAZPB08075	-
M8x90	60	10X45	720	WAZPB08090	-
M8x115	80	10X65	600	WAZPB08115	-
M10x75	40	12X20	600	WAZPA10075	WAHGA10075
M10x90	55	12X35	480	WAZPA10090	WAHGA10090
M10x120	75	12X65	400	WAZPB10120	-
M12x100	50	15X25	320	WAZPA12100	WAHGA12100
M12x120	80	15X45	320	WAZPB12120	WAHGA12120
M16x150	100	19X55	120	WAZPA16150	WAHGA16150

*Recommended maximum fixture thickness calculated based on minimum embedment depth.
Rec working load (kn)

INSTALLATION AND PERFORMANCE DETAILS

Anchor Size	Hole ϕ (mm)	Embedded Depth (mm)	Fixture Clearance ϕ (mm)	Tight Torque (Nm)	Edge Dist. (mm)	Anchor Spacing Dist. (mm)	Structural Thickness Minimum (mm)	Rec Working Load (kN) See Safety Factor P1					
								20MPa		30MPa		40MPa	
								Tensile	Shear	Tensile	Shear	Tensile	Shear
6	6	32	8	6	35	70	50	1.7	2.8	2.1	2.8	2.4	2.8
	6	50	8	6	60	125	90	4.0	2.8	4.2	2.8	4.2	2.8
8	8	35	10	14	40	75	50	1.9	4.9	2.3	4.9	2.7	4.9
	8	55	10	14	70	135	90	4.6	4.9	5.6	4.9	6.5	4.9
10	10	45	12	28	50	100	70	3.0	6.8	3.7	6.8	4.3	6.8
	10	65	12	28	80	160	110	6.0	6.8	7.4	6.8	8.5	6.8
12	12	60	15	34	70	140	100	4.7	8.6	5.8	8.6	6.7	8.6
	12	80	15	34	100	200	140	8.2	8.6	10.0	8.6	11.5	8.6
16	16	75	19	85	85	165	110	6.2	14.4	7.6	14.4	8.8	14.4
	16	110	19	85	135	270	180	13.0	14.4	15.9	14.4	18.4	14.4

*The factor of safety applied for Concrete tension is 3.0