

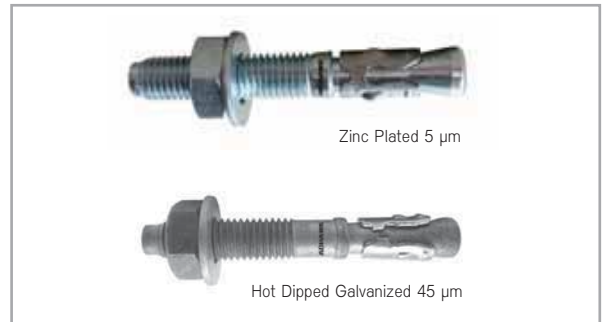
WEDGE ANCHOR

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

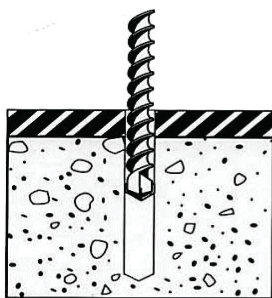
Carbon Steel 5.8 grade

APPLICATIONS

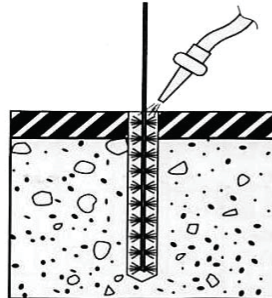
Timber to concrete: Bottom wall plates. Wall and floor frame work.
Steel to Concrete: Columns , racking , balustrades , machinery, safety barriers, hand rails, stairways, light to medium loads suitable for cyclic loading.



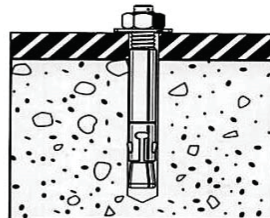
INSTALLATION



Drill correct diameter hole to recommended depth.



Clean hole thoroughly with a nylon brush. Remove debris by way of vacuum pump, compressed air, hand pump etc.



Insert anchor through fixture and tap in until washer contacts fixture.

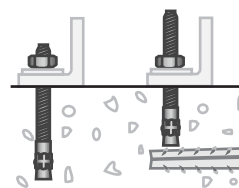


Tighten bolt with torque wrench to recommended assembly torque.

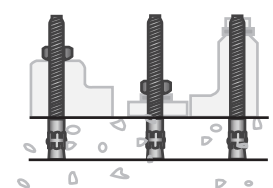
ADVANTAGES

- 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



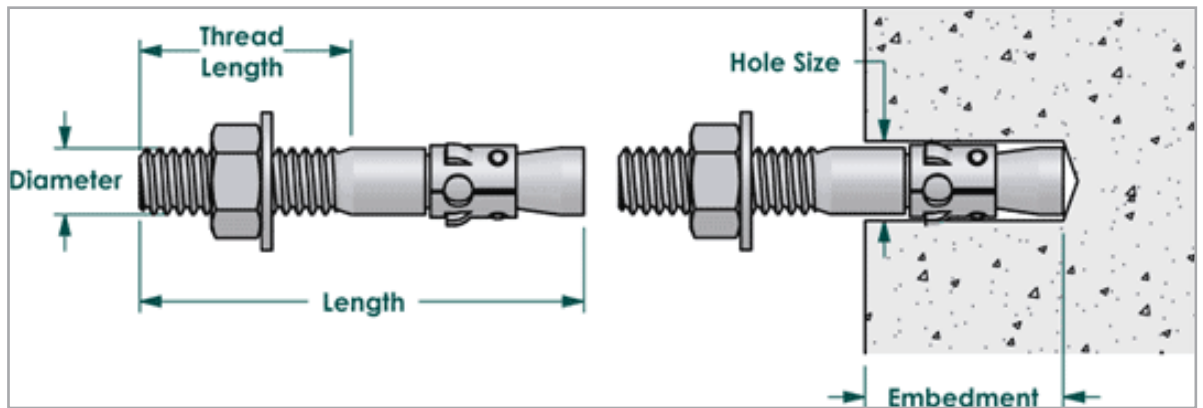
Trubolt's full threaded feature eliminates subsurface obstruction problems.



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
M8x75	42	10X30	800	WAZPB08075	-
M8x90	60	10X45	720	WAZPB08090	-
M10x75	40	12X20	480	WAZPA10075	WAHGA10075
M10x90	55	12X35	420	WAZPA10090	WAHGA10090
M10x120	85	12X65	400	WAZPB10120	-
M12x100	50	15X25	270	WAZPA12100	WAHGA12100
M12x120	50	15X45	240	WAZPB12120	WAHGA12120
M16x150	85	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 Ø (mm)	Embedded Depth (mm)	Fixture Clearance Ø (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