Datasheet
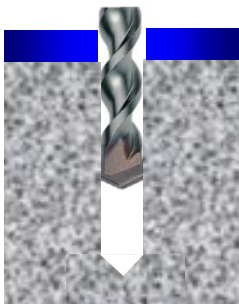# Pan Head Ankerbolt, Steel, Zinc Plated & Clear Passivated

Features

The Pan Head Ankerbolt is a self tapping anchor for use in a variety of base materials. The Pan Head gives a wide bearing area to give greater contact with fixture. The undercutting action provides a positive anchorage with no expansion forces. Made from high grade steel with a zinc plated finish for corrosion resistance - quick and simple installation.
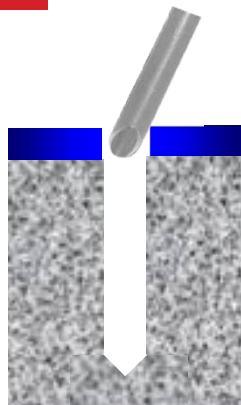
Range Data

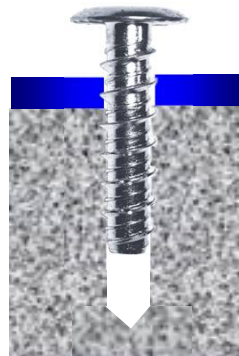| RS Stock No | Drill Diam. | Thread Diam. | Anchor Length | Fixture Clearance Hole | Shallow Embedment | | Deep Embedment | | Driver Type | Tightening Torque |
					Maximum Fixture Thickness	Minimum Hole Depth	Maximum Fixture Thickness	Minimum Hole Depth		
	mm	mm	mm	mm	mm	mm	mm	mm		Nm
1743301	5	6	50	8	25	35	13	50	T25	15
1743302			75		50		38			
1743303*	6	8	30	10	5	35	N/A	N/A	T30	15
1743304			50		20	40	5	55		15
1743305			75		45		30			
1743306			100		70		55			

* only suitable for non-structural applications
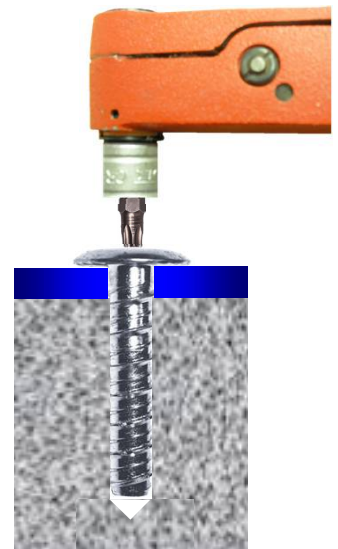
Installation Instructions

Drill correct diameter hole to correct depth

Blow out dust and drilling debris from hole

Insert anchor into concrete using suitable impact wrench

Tighten with torque wrench to recommended torque

Shallow Embedment

Performance Data (C20/25 non-cracked Concrete)										
Drill Diam.	Embedment Depth	Minimum Concrete Thickness	Characteristic Resistance		Design Resistance		Approved Resistance		Spacing	Edge Distance	
mm	mm	mm	kN		kN		kN		mm	mm	
			Tensile	Shear	Tensile	Shear	Tensile	Shear		Tensile	Shear*
5	25	100	3.1	3.1	1.7	2.0	1.2	1.4	45	30	35
6	30	100	3.9	3.8	2.1	2.5	1.5	1.8	55	40	50

Deep Embedment

Performance Data (C20/25 non-cracked Concrete)										
Drill Diam.	Embedment Depth	Minimum Concrete Thickness	Characteristic Resistance		Design Resistance		Approved Resistance		Spacing	Edge Distance	
mm	mm	mm	kN		kN		kN		mm	mm	
			Tensile	Shear	Tensile	Shear	Tensile	Shear		Tensile	Shear*
5	37	100	4.1	6.5	2.2	4.3	1.6	3.0	30	30	55
6	45	100	5.6	9.5	3.1	6.3	2.2	4.5	35	35	65

* Shear towards a free edge
Shear loads towards a free edge are for single anchors where spacing ≥ 3 x Edge Distance