



# Datasheet

ENGLISH

## Throughbolt - Galvanised



### Features

The Throughbolt is the ultimate “through fixing” with the hole diameter as the bolt diameter. It is ideal for bolting in place awkward fixtures without the need for marking out, removal and repositioning. It is a torque controlled anchor suitable for use in concrete over C20/25 strength.

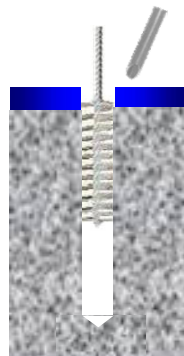
### Range Data

RS Stock No	Thread Diam.	Anchor Length	Hole Diam	Max Fixture Thickness	Fixture Clearance Hole	Embed Depth	Min Hole Depth	Structure Thickness	Installation Torque
	mm	mm	mm	mm	mm	mm	mm	mm	Nm
<b>9086696</b>	10	80	10	10	12	60	70	105	30
<b>9086690</b>		100		30					
<b>9086700</b>		125		50					
<b>9086703</b>	12	85	12	10	14	60	70	100	50
<b>9086707</b>		100		5		80	90	140	
<b>9086716</b>		115		20					
<b>9086719</b>		145		50					
<b>9086713</b>	16	110	16	15	18	75	85	150	100
<b>9086722</b>		130		10		100	110	180	
<b>1777064</b>		150		30					

### Installation Instructions



Position fixture and drill correct diameter hole to correct depth



Clean hole by brushing and blowing to remove all dust and drilling debris



Insert assembled anchor through fixture into concrete



Tighten with torque wrench to Installation Torque



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## Standard Embedment

Performance Data (C20/25 non-cracked Concrete)											
Thread Diam.	Minimum Structure Thickness	Characteristic Resistance		Design Resistance		Recommended Resistance		Design Spacing	Design Edge Distance		Tight Torque
mm	mm	kN		kN		kN		mm	mm		Nm
		Tensile	Shear	Tensile	Shear	Tensile	Shear		Tensile	Shear*	
8	100	13.5	11.0	7.4	8.7	5.2	6.2	85	70	95	15
10	110	18.3	18.9	10.1	12.6	7.2	9.0	145	100	125	30
12	140	27.4	25.0	15.2	19.9	10.8	14.2	240	130	175	50
16	180	41.6	44.0	23.1	33.0	16.5	23.5	265	180	250	100
20	215	55.1	69.0	30.6	55.1	22.6	39.3	320	210	380	200

Shear loads towards a free edge are for single anchors where spacing  $\geq 3 \times$  Edge Distance

## Reduced Embedment

Performance Data (C20/25 non-cracked Concrete)											
Thread Diam.	Minimum Structure Thickness	Characteristic Resistance		Design Resistance		Recommended Resistance		Design Spacing	Design Edge Distance		Tight Torque
mm	mm	kN		kN		kN		mm	mm		Nm
		Tensile	Shear	Tensile	Shear	Tensile	Shear		Tensile	Shear*	
8	100	7.5	7.4	4.1	4.9	3.0	3.5	85	60	60	15
10	100	9.1	9.1	5.0	6.0	3.6	4.2	95	65	65	30
12	110	17.9	25.0	9.9	19.9	7.0	14.2	150	100	210	50
16	130	25.3	44.0	14.0	33.0	10.0	23.5	190	125	315	100

\* Reduce embedment only for shorter anchors as indicated in range table.

Shear loads towards a free edge are for single anchors where spacing  $\geq 3 \times$  Edge Distance