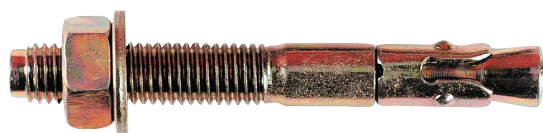


Datasheet

ENGLISH

Throughbolt - Zinc Plated And Yellow Passivated



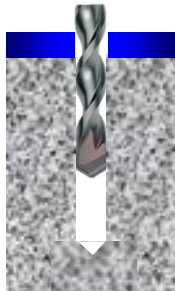
Features

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.

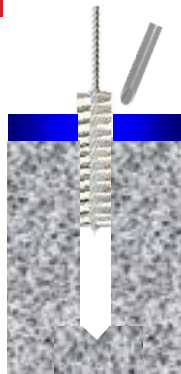
Range Data

RS Stock No	Thread Diam.	Anchor Length	Hole Diam	Max Fixture Thickness	Fixture Clearance Hole	Thread Length	Embed Depth	Min Hole Depth	Structure Thickness	Installation Torque
	mm	mm	mm	mm	mm	mm	mm	mm	mm	Nm
9086949	6	55	6	15	7	30	30	35	100	6
1777071		85		45		60				
9086943	8	65	8	5	9	20	35	40	100	10
9086952		75		20		35				
9086955		90		35		50				
9086959		100		55		70				
9086968		120		85		85				
9086961	10	65	10	8	12	25	45	50	125	28
9086965		75		18		35				
1777086		90		33		50				
1777069		100		43		50				
9086974		120		63		80				
9086977	12	80	12	5	14	30	60	65	170	34
9086971		100		25		50				
9086980		120		45		70				
9086983		140		65		90				
1777068	16	105	16	10	18	60	75	85	200	85
1777067		125		30		65				
9086987		150		55		90				
9086996		175		80		90				
9086999		220		125		90				
1777066	20	160	20	50	22	60	85	100	240	160
1777065		215		105		60				

Installation Instructions



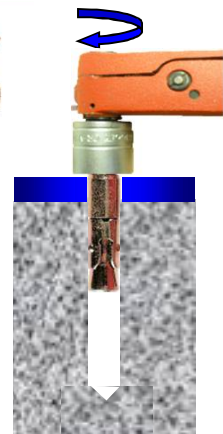
Position fixture and drill correct diameter hole to correct depth



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 recommended torque

Non-Cracked Concrete

Performance Data (C20/25 non-cracked Concrete)

Thread Diam.	Characteristic Resistance		Design Resistance		Recommended Resistance		Design Spacing	Design Edge Distance	
	mm	kN	kN	kN	kN	mm		mm	
	Tensile	Shear	Tensile	Shear	Tensile	Shear		Tensile	Shear*
6	5.5	5.0	3.0	3.7	2.2	2.4	70	35	70
8	7.4	9.2	4.1	4.9	2.9	3.5	85	45	85
10	11.2	14.5	6.2	7.5	4.4	5.4	110	55	100
12	17.9	21.2	9.8	11.8	7.0	8.4	150	75	115
16	23.8	33.4	13.2	20.0	9.4	14.3	170	95	165
20	30.1	49.0	16.7	29.3	11.8	20.9	215	110	200
24	40.9	70.6	22.7	42.3	16.2	30.1	260	130	230

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