



# Drop In Anchors

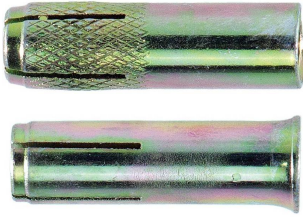
Specification

## Product Information

Deformation controlled anchor available in zinc plated and yellow passivated finish. Suitable for use in non-cracked concrete between C20/25 & C50/60.

## Features

1. Internal thread suitable for bolts or threaded studs
2. Permanent socket to allow removal and replacement of fixture



## Range Data

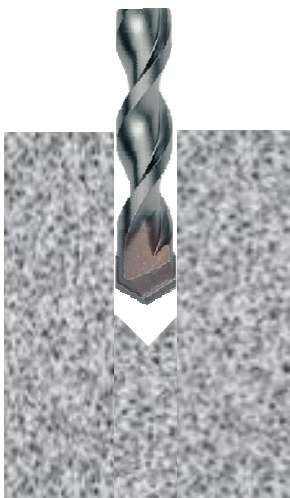
Part Number	Thread Diam	Anchor Length	Hole Diam	Setting Punch	Fixture Clearance Hole	Internal Thread Length	Embedment Depth	Minimum Hole Depth	Minimum Structure Thickness	Maximum Installation Torque
mm	mm	mm	mm		mm	mm	mm	mm	mm	Nm

### Drop In Anchors

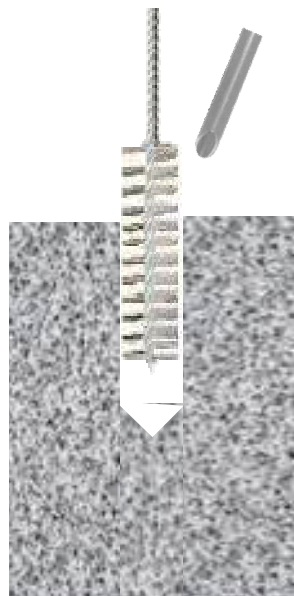
DBM06	6	25	8	DZSP06	7	10	25	25	100	4
DBM08	8	30	10	DZSP08	9	13	30	30	100	9
DBM10	10	40	12	DZSP10	12	15	40	40	130	17
DBM12	12	50	15	DZSP12	14	18	50	50	140	30
DBM16	16	65	20	DZSP16	18	23	65	65	160	75
DBM20	20	80	25	DZSP20	22	30	80	80	200	144

### Lipped Drop In Anchors

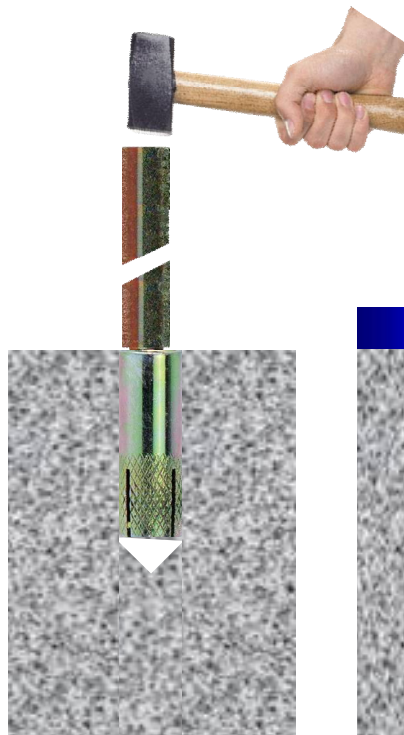
DBM06SH	6	25	8	DZSP06	7	10	25	25	100	4
DBM08SH	8	30	10	DZSP08	9	14	30	30	100	9
DBM10SH	10	30	12	DZSP10	12	15	30	30	100	17
DBM10SHL	10	40	12	DZSP10	12	15	40	40	130	17
DBM12SH	12	50	15	DZSP12	14	20	50	50	140	30
DBM16SH	16	65	20	DZSP16	18	22	65	65	160	75



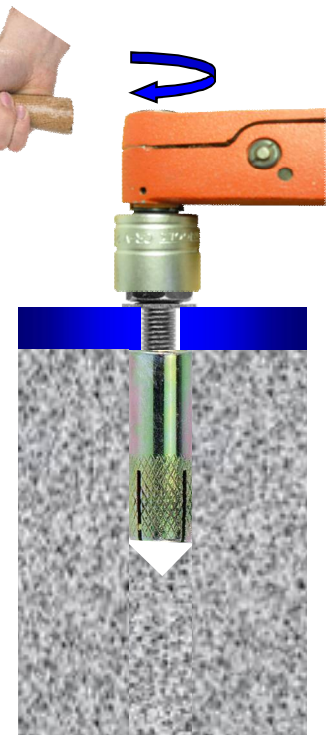
Drill correct diameter hole to correct depth



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



Insert anchor into concrete and hammer wedge home using correct setting punch



Tighten with torque wrench to recommended torque



Non-Cracked concrete

Performance Data (C20/25 Concrete)									
Thread Diam	Characteristic Resistance		Design Resistance		Approved Resistance		Spacing	Edge Distance	
mm	kN		kN		kN		mm	mm	
	Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile & Shear	Tensile	Shear
6	6.3	4.0	3.5	2.4	2.5	1.7	75	90	90
8	8.2	5.4	4.5	3.5	3.2	2.5	90	95	95
10	12.7	9.6	7.0	5.7	5.0	4.1	120	135	135
12	17.8	16.8	9.9	10.0	7.0	7.1	150	165	165
16	26.4	31.3	14.6	18.7	10.4	13.3	195	200	200
20	36.1	49.0	20.0	29.3	14.2	20.9	240	260	200

For loads and dimensions for DBM10SH use 8mm thread figures

For variations in structure thickness, reduced spacing and edge calculations download the free [Anchor Calculation Program](http://www.jcpfixings.co.uk) from [www.jcpfixings.co.uk](http://www.jcpfixings.co.uk)