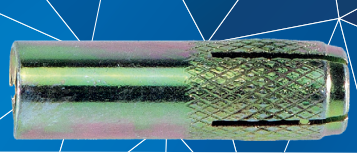
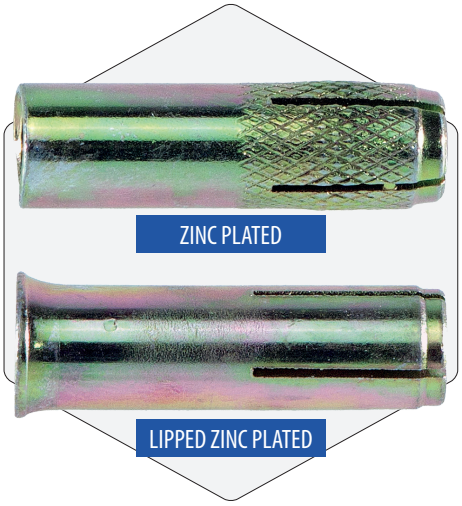
Drop In Anchors





INFORMATION

Deformation controlled zinc plated and yellow passivated Drop In anchor is an internally threaded socket suitable for applications in non-cracked concrete.

Full expansion can be guaranteed by using the correct shouldered setting punch.

Internal thread suitable for bolts or threaded studs of any length.

Lipped Drop In anchors can be accurately set independent of the hole depth and can be used in concrete.

BASE MATERIAL

- Concrete C20/25 to C50/60
- Non-cracked concrete
- Dry internal conditions

FEATURES

- Deformation-controlled Expansion
- Fast And Secure Installation
- Reaction To Fire Class A1
- Permanent Socket To Allow Removal And Replacement Of Fixture
- Zinc Plated And Yellow Passivated Minimum 5µm

RELATED PRODUCTS



SDS+ Drill Bits



Hole Cleaning Pump



Drop In Anchor Setting Punch

RANGE AND LOAD DATA

RANGE DATA										
Part Number	Drill Hole Diameter	Depth of Drill Hole	Overall Embedment Depth	Anchor Length	Thread Diameter	Internal Threaded Length	Fixture Clearance Hole	Minimum Member Thickness	Setting Punch Code	Tightening Torque
	(d_0)	(h_1)	($h_{nom}=h_{ef}$)	(L_H)	(d_{nom})	(L_{th})	(d_f)	(h_{min})	-	(T_{inst})
	mm	mm	mm	mm	mm	mm	mm	mm	-	Nm
Drop In Anchors										
DBM06	8	25	25	25	6	10	7	100	DZSP06	4
DBM08	10	30	30	30	8	13	9	100	DZSP08	9
DBM10	12	40	40	40	10	15	12	130	DZSP10	17
DBM12	15	50	50	50	12	18	14	140	DZSP12	30
DBM16	20	65	65	65	16	23	18	160	DZSP16	75
DBM20	25	80	80	80	20	30	22	200	DZSP20	144
Lipped Drop In Anchors										
DBM06SH	8	25	25	25	6	10	7	100	DZSP06	4
DBM08SH	10	30	30	30	8	14	9	100	DZSP08	9
DBM10SH	12	30	30	30	10	15	12	100	DZSP10	17
DBM10SHL	12	40	40	40	10	15	12	130	DZSP10	17
DBM12SH	15	50	50	50	12	20	14	140	DZSP12	30
DBM16SH	20	65	65	65	16	22	18	160	DZSP16	75

Technical Data Sheet

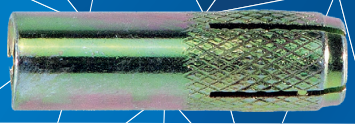
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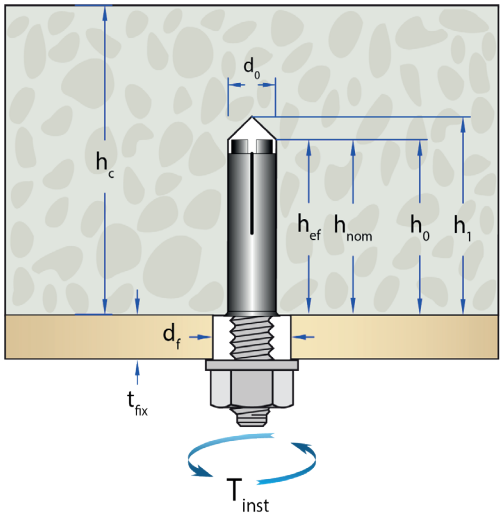
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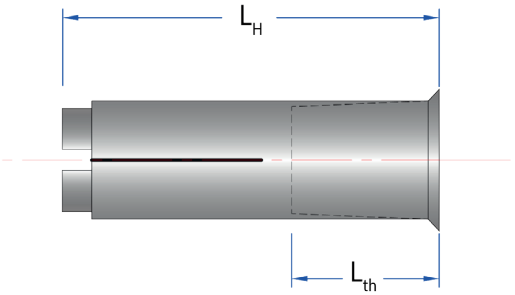
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Re01 April 2022

Drop In Anchors







SINGLE ANCHOR IN SOLID CONCRETE

Performance Data (C20/25 non-cracked concrete)												
Size Of Thread	Effective Embedment Depth (h_{ef})	Minimum Concrete Thickness (h_{min})	Characteristic Resistance		Design Resistance		Approved Resistance		Design Spacing (S)		Design Edge Distance (C)	
			Tensile (N_{Rk})	Shear (V_{Rk})	Tensile (N_{Rd})	Shear (V_{Rd})	Tensile (N_{Ap})	Shear (V_{Ap})	Tensile	Shear	Tensile	Shear
-	mm	mm	kN	kN	kN	kN	kN	kN	mm	mm	mm	mm
Drop-In Anchors												
M6	25	100	6.3	4.0	3.5	2.4	2.5	1.7	75	75	90	90
M8	30	100	8.2	5.4	4.5	3.5	3.2	2.5	90	90	95	95
M10	40	130	12.7	9.6	7.0	5.7	5.0	4.1	120	120	135	135
M12	50	140	17.8	16.8	9.9	10.0	7.0	7.1	150	150	165	165
M16	65	160	26.4	31.3	14.6	18.7	10.4	13.3	195	195	200	200
M20	80	200	36.1	49.0	20.0	29.3	14.2	20.9	240	240	260	260
Lipped Drop-In Anchors												
M6	25	100	6.3	4.0	3.5	2.4	2.5	1.7	75	75	90	90
M8	30	100	8.2	5.4	4.5	3.5	3.2	2.5	90	90	95	95
M10SH	30	100	8.2	5.4	4.5	3.5	3.2	2.5	90	90	95	95
M10	40	130	12.7	9.6	7.0	5.7	5.0	4.1	120	120	135	135
M12	50	140	17.8	16.8	9.9	10.0	7.0	7.1	150	150	165	165
M16	65	160	26.4	31.3	14.6	18.7	10.4	13.3	195	195	200	200

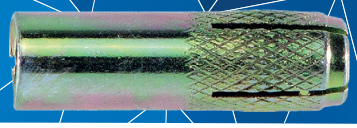
For variations in structure thickness, reduced spacing and edge calculations download the free **A**nchor **C**alculation **P**rogram from **www.jcpfixings.co.uk**

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Drop In Anchors



ANCHORS FOR MULTIPLE USE FOR NON-STRUCTURAL APPLICATIONS IN SOLID CONCRETE ($n_1 \geq 3$; $n_2 \geq 1$)*

Performance Data (C20/25 non-cracked concrete)							
Size Of Thread	Effective Embedment Depth (h_{ef})	Minimum Concrete Thickness (h_{min})	Characteristic Resistance	Limiting Design Resistance	Approved Resistance	Design Spacing (S)	Design Edge Distance (C)
			Load** (F_{Rk})	Load ($F_{Rd,lim}$)	Tensile (F_{Ap})		
-	mm	mm	kN	kN	kN	mm	mm
Drop-In Anchors							
M6	25	100	2.5	1.7	1.2	200	150
M8	30	100	3.0	2.0	1.4	200	150
M10	40	130	3.0	2.0	1.4	200	150
M12	50	140	3.0	2.0	1.4	200	150
Lipped Drop-In Anchors							
M6	25	100	2.5	1.7	1.2	200	150
M8	30	100	3.0	2.0	1.4	200	150
M10SH	30	100	3.0	2.0	1.4	200	150
M10	40	130	3.0	2.0	1.4	200	150
M12	50	140	3.0	2.0	1.4	260	200

* ETAG001 - Part6, Annex 1
** Load in any direction

ANCHORS FOR MULTIPLE USE FOR NON-STRUCTURAL APPLICATIONS IN SOLID CONCRETE ($n_1 \geq 4$; $n_2 \geq 1$)*

Performance Data (C20/25 non-cracked concrete)							
Size Of Thread	Effective Embedment Depth (h_{ef})	Minimum Concrete Thickness (h_{min})	Characteristic Resistance	Limiting Design Resistance	Approved Resistance	Design Spacing (S)	Design Edge Distance (C)
			Load** (F_{Rk})	Load ($F_{Rd,lim}$)	Tensile (F_{Ap})		
-	mm	mm	kN	kN	kN	mm	mm
Drop-In Anchors							
M6	25	100	2.5	1.7	1.2	200	150
M8	30	100	3.3	2.2	1.5	200	150
M10	40	130	4.5	3.0	2.0	200	150
M12	50	140	4.5	3.0	2.0	200	150
Lipped Drop-In Anchors							
M6	25	100	2.5	1.7	1.2	200	150
M8	30	100	3.3	2.2	1.5	200	150
M10SH	30	100	3.3	2.2	1.5	200	150
M10	40	130	4.5	3.0	2.0	200	150
M12	50	140	4.5	3.0	2.0	260	200

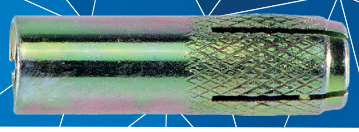
* ETAG001 - Part6, Annex 1
** Load in any direction

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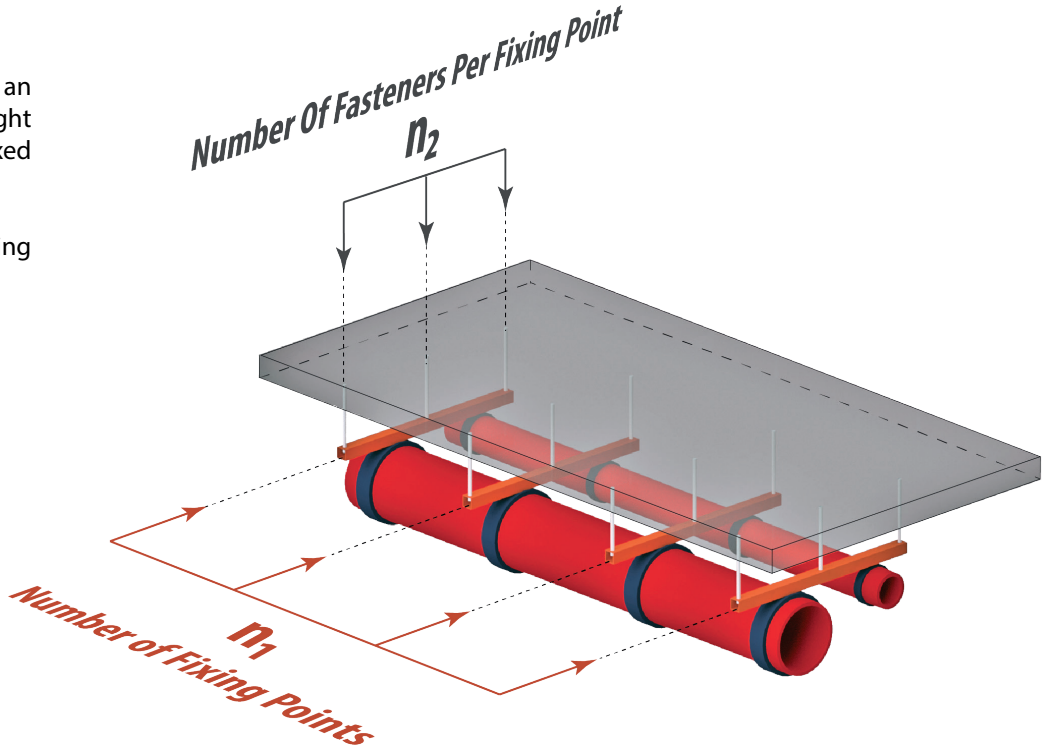
Drop In Anchors



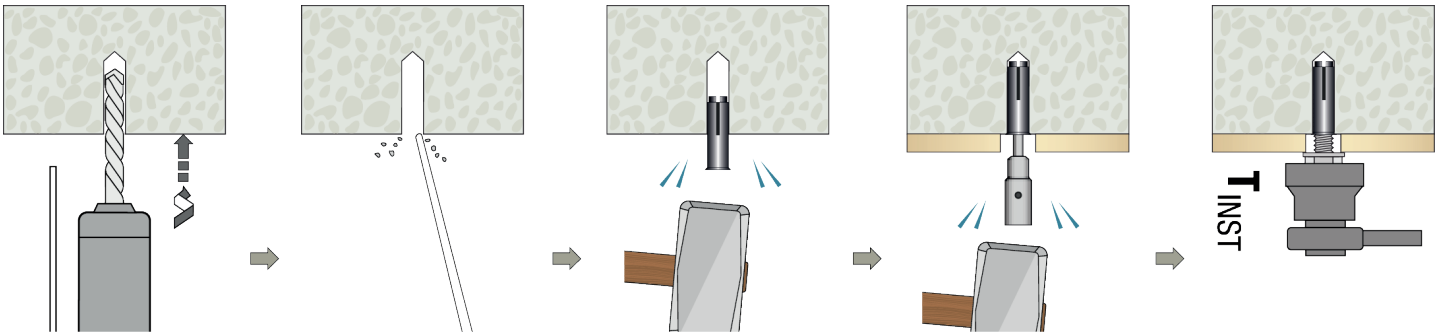
n_1 AND n_2 DEFINITIONS

n_1: Number of positions where an attached element (e.g. piping, light suspended ceiling or facade) is fixed with one or more fasteners.

n_2: Number of fasteners per fixing point.



INSTALLATION INSTRUCTIONS



-Drill correct diameter hole to corresponding depth

-Clean hole by blowing to remove drilling debris and dust

-Insert anchor through concrete using suitable hammer

-Hammer wedge home using correct setting punch

-Tighten with torque wrench to recommended torque

INSTALLATION INSTRUCTIONS VIDEO

To watch the video and subscribe, please click on the link or scan the QR code:

How to install a Drop in Anchor

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