

ZINC PLATED

LIPPED ZINC PLATED

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

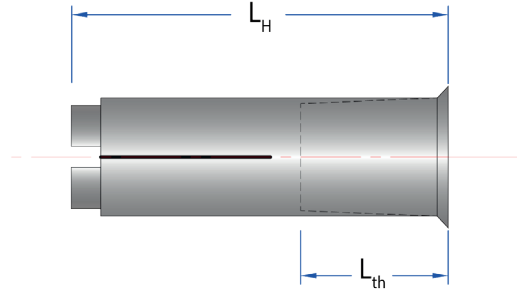
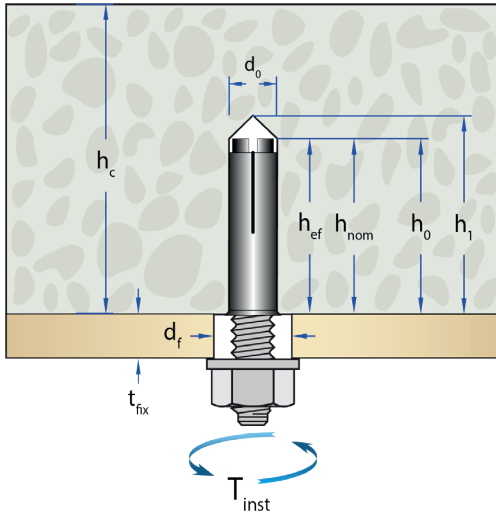
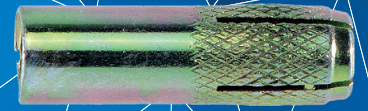


Drop In Anchor Setting Punch

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 |





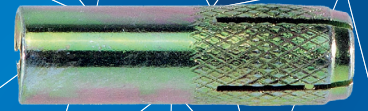
SINGLE ANCHOR IN SOLID CONCRETE

Performance Data (C20/25 non-cracked concrete)

| Size Of Thread | Effective Embedment Depth (h_{ef}) mm | Minimum Concrete Thickness (h_{min}) mm | Characteristic Resistance | | Design Resistance | | Approved Resistance | | Design Spacing (S) | | Design Edge Distance (C) | |
|-------------------------------|--|--|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|--------------------|-------------|--------------------------|-------------|
| | | | Tensile (N_{Rk}) kN | Shear (V_{Rk}) kN | Tensile (N_{Rd}) kN | Shear (V_{Rd}) kN | Tensile (N_{Ap}) kN | Shear (V_{Ap}) kN | Tensile mm | Shear mm | Tensile mm | Shear 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 **Anchor Calculation Program** from www.jcpfixings.co.uk





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

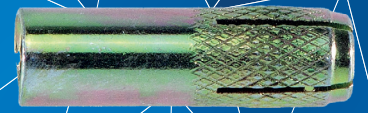
ANCHORS FOR MULTIPLE USE FOR NON-STRUCTURAL APPLICATIONS IN SOLID CONCRETE ($n_1 \geq 4$; $n_2 \geq 1$)*

| 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

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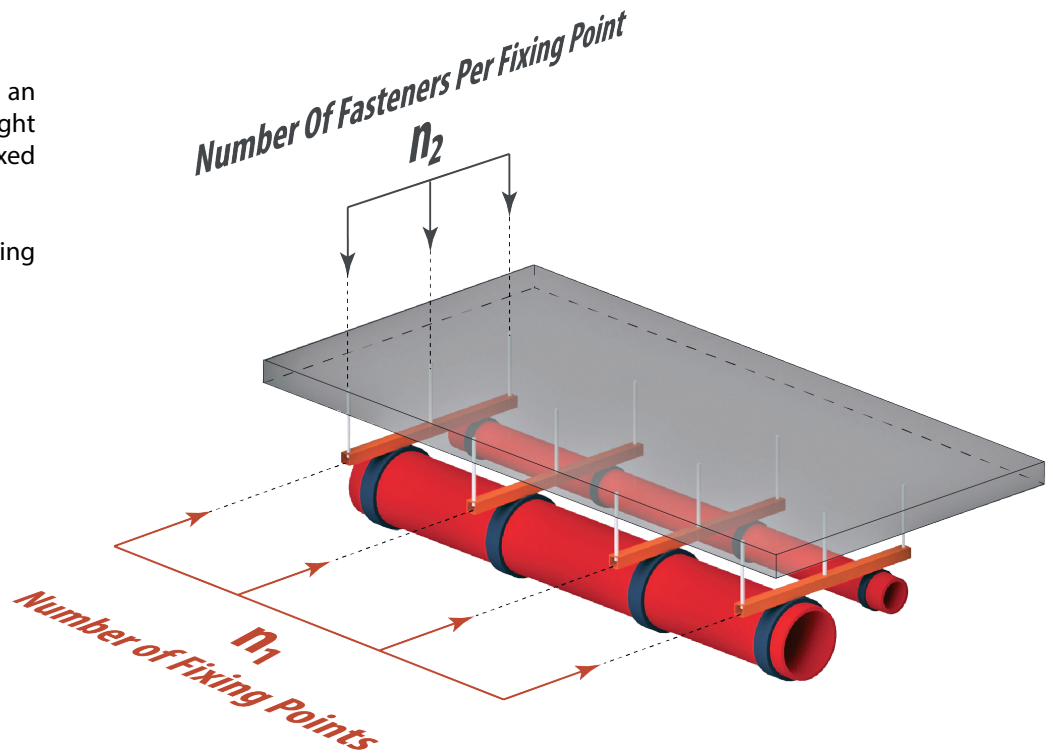




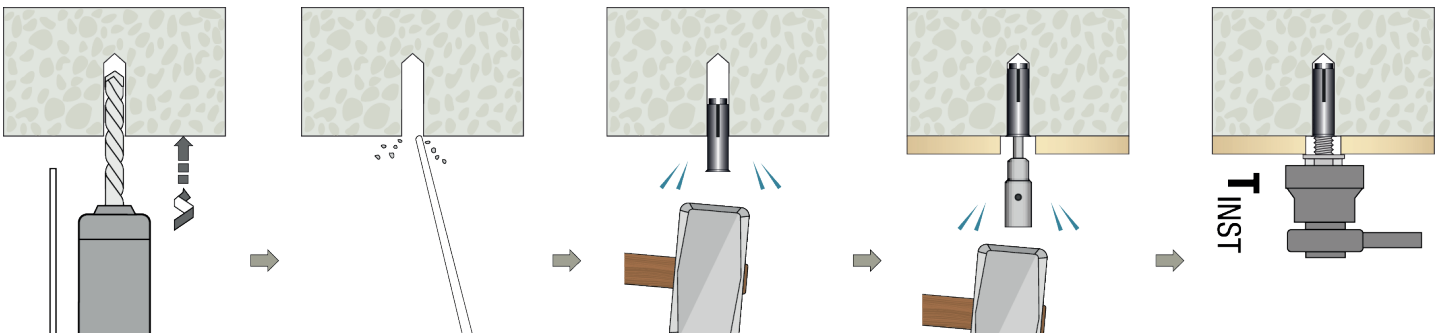
n₁ AND n₂ DEFINITIONS

n₁: Number of positions where an attached element (e.g. piping, light suspended ceiling or facade) is fixed with one or more fasteners.

n₂: 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](#)

