## DynaBolt™ Sleeve Anchors

**The unique design of DynaBolt™**

Twists, shortens and pulls down to increase holding power. For medium duty anchoring of timber and steel fixtures to concrete.

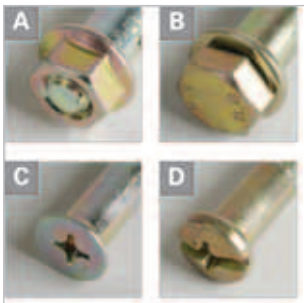
### Substrates

- Concrete
- Solid block
- Solid brick

### Product Advantages

- Through fixing - no marking out and repositioning
- Fully assembled
- Variety of head styles
- Unique sleeve design collapses during tightening to provide pull down onto fixture
- Integral nut and washer
- Finished head anchors, bolt can be easily removed

### Head Styles




A. Hex Nut
B. Hex Bolt
C. Countersunk Head
D. Round Head

### Specification

DynaBolt™ is a patented design sleeve anchor with the unique ability to"pulldown" and ensure a tight and secure anchoring of the fixture.

### Typical Applications

- Timber to concrete, formwork, battens, bottom plates
- Services – Ductwork, pipe brackets, cable trays, suspended ceilings
- Metalwork – Signs, handrails, gates
- Light to medium duty loading

### Installation

1. Drill correct diameter hole to recommended depth for the DynaBolt™ selected.
2. Remove debris from hole by blowing out with compressed air or hand held blow out pump.
3. Insert anchor through fixture and tap in until washer contacts fixture.
4. Tighten bolt with a torque wrench to the recommended tightening torque for the DynaBolt™ selected.

## DynaBolt™ Sleeve Anchor Hex Nut - Zinc Cobalt Plated

| Part No. | Description | Thread Ø | Max Fixture Thickness (mm) | Hole Ø (mm) | Fixture Hole Diameter (mm) | Min Hole Depth (mm) | Order Qty |
|---|---|---|---|---|---|---|---|
| 7C-DP06-040V | DP06040 Dynabolt 6x40mm | M4.5 | 10 | 6 | 8 | 45 | 100 |
| 7C-DP06-060V | DP06060 Dynabolt 6x60mm | M4.5 | 30 | 6 | 8 | 45 | 100 |
| 7C-DP08-040V | DP08040 Dynabolt 8x40mm | M6 | 8 | 8 | 10 | 45 | 100 |
| 7C-DP08-065V | DP08065 Dynabolt 8x65mm | M6 | 30 | 8 | 10 | 50 | 50 |
| 7C-DP08-090V | DP08090 Dynabolt 8x90mm | M6 | 55 | 8 | 10 | 50 | 50 |
| 7C-DP10-040V | DP10040 Dynabolt 10x40mm | M8 | 7 | 10 | 12 | 50 | 50 |
| 7C-DP10-050V | DP10050 Dynabolt 10x50mm | M8 | 10 | 10 | 12 | 50 | 50 |
| 7C-DP10-075V | DP10075 Dynabolt 10x75mm | M8 | 35 | 10 | 12 | 65 | 50 |
| 7C-DP10-100V | DP10100 Dynabolt 10x100mm | M8 | 60 | 10 | 12 | 65 | 25 |
| 7C-DP10-125V | DP10125 Dynabolt 10x125mm | M8 | 85 | 10 | 12 | 65 | 25 |
| 7C-DP12-060V | DP12060 Dynabolt 12x60mm | M10 | 12 | 12 | 15 | 65 | 25 |
| 7C-DP12-070V | DP12070 Dynabolt 12x70mm | M10 | 20 | 12 | 15 | 65 | 25 |
| 7C-DP12-100V | DP12100 Dynabolt 12x100mm | M10 | 50 | 12 | 15 | 65 | 20 |
| 7C-DP12-125V | DP12125 Dynabolt 12x125mm | M10 | 75 | 12 | 15 | 65 | 20 |
| 7C-DP16-065V | DP16065 Dynabolt 16x65mm | M12 | 14 | 16 | 19 | 65 | 20 |
| 7C-DP16-110V | DP16110 Dynabolt 16x110mm | M12 | 59 | 16 | 19 | 70 | 10 |
| 7C-DP16-140V | DP16140 Dynabolt 16x140mm | M12 | 89 | 16 | 19 | 70 | 10 |
| 7C-DP20-080V | DP20080 Dynabolt 20x80mm | M16 | 20 | 20 | 24 | 70 | 10 |
| 7C-DP20-115V | DP20115 Dynabolt 20x115mm | M16 | 52 | 20 | 24 | 70 | 5 |
| 7C-DP20-160V | DP20160 Dynabolt 20x160mm | M16 | 96 | 20 | 24 | 70 | 5 |

## DynaBolt™ - Zinc Cobalt Plated - Indicative Design Loads in Concrete

| Anchor Size (mm) | Thread Ø | Anchor Depth (mm) | Torque (Nm) | Anchor Spacing (mm) | Edge Distance (mm) | Shear Load (kN)* | Tension Load (kN)* |
|---|---|---|---|---|---|---|---|
| 6 | M4.5 | 25 | 7 | 75 | 25 | 1.8 | 1.7 |
| 8 | M6 | 30 | 9 | 80 | 30 | 4.2 | 3.0 |
| 10 | M8 | 34 | 20 | 100 | 30 | 7.6 | 4.2 |
| 12 | M10 | 44 | 40 | 105 | 35 | 12.0 | 6.8 |
| 16 | M12 | 46 | 70 | 120 | 40 | 17.4 | 7.2 |
| 20 | M16 | 50 | 150 | 150 | 50 | 32.3 | 8.1 |

# Indicative design load (kN) in 30N/mm² concrete
* Refer to Ramset Design Guide for more information or explanation of technical data

## DynaBolt™ Plus Sleeve Anchor Hex Nut - Stainless Steel Grade A4

| Part No. | Description | Max Fixture Thickness (mm) | Thread Ø | Hole Ø (mm) | Fixture Hole Diameter (mm) | Min Hole Depth (mm) | Order Qty |
|---|---|---|---|---|---|---|---|
| 7D-DP06-040S-SV | DP06040SS Dynabolt S/S 6x40mm | 8 | M4.5 | 6 | 8 | 35 | 100 |
| 7D-RABB | DP06060SS Dynabolt S/S 6x60mm | 27 | M4.5 | 6 | 8 | 35 | 100 |
| 7D-DP08-040S-SV | DP08040SS Dynabolt S/S 8x40mm | 8 | M6 | 8 | 10 | 45 | 100 |
| 7D-DP08-065S-SV | DP08065SS Dynabolt S/S 8x65mm | 30 | M6 | 8 | 10 | 45 | 50 |
| 7D-DP10-050S-SV | DP10050SS Dynabolt S/S 10x50mm | 8 | M8 | 10 | 12 | 50 | 50 |
| 7D-DP10-075S-SV | DP10075SS Dynabolt S/S 10x75mm | 35 | M8 | 10 | 12 | 50 | 50 |
| 7D-DP10-100S-SV | DP10100SS Dynabolt S/S 10x100mm | 62 | M8 | 10 | 12 | 50 | 25 |
| 7D-DP12-060S-SV | DP12060SS Dynabolt S/S 12x60mm | 3 | M10 | 12 | 15 | 65 | 25 |
| 7D-DP12-070S-SV | DP12070SS Dynabolt S/S 12x70mm | 18 | M10 | 12 | 15 | 65 | 25 |
| 7D-DP12-100S-SV | DP12100SS Dynabolt S/S 12x100mm | 46 | M10 | 12 | 15 | 65 | 20 |
| 7D-DP12-125S-SV | DP12125SS Dynabolt S/S 12x125mm | 74 | M10 | 12 | 15 | 65 | 20 |

## DynaBolt™ - Stainless Steel Grade A4 - Indicative Design Loads in Concrete

| Anchor Size (mm) | Thread Ø | Anchor Depth (mm) | Torque (Nm) | Anchor Spacing (mm) | Edge Distance (mm) | Shear Load (kN)* | Tension Load (kN)* |
|---|---|---|---|---|---|---|---|
| 6 | M4.5 | 25 | 10 | 75 | 25 | 1.8 | 1.7 |
| 8 | M6 | 30 | 20 | 90 | 30 | 4.2 | 2.4 |
| 10 | M8 | 34 | 40 | 105 | 35 | 7.8 | 3.4 |
| 12 | M10 | 35 | 70 | 105 | 35 | 12.0 | 3.8 |

# Indicative design load (kN) in 30N/mm² concrete
* Refer to Ramset Design Guide for more information or explanation of technical data

## DynaBolt™ Specials

| Part No. | Description | Thread Diameter | Overall Anchor Length (mm) | Hole Ø (mm) | Fixture Hole Diameter (mm) | Min Hole Depth (mm) | Order Qty |
|---|---|---|---|---|---|---|---|
| 7C-D080-45KV | D08045K Hookbolt Anchor | M6 | 31 | 8 | - | 40 | 100 |
| 7C-D080-45XV | D08045X Eyebolt Anchor | M6 | 40 | 8 | - | 45 | 100 |