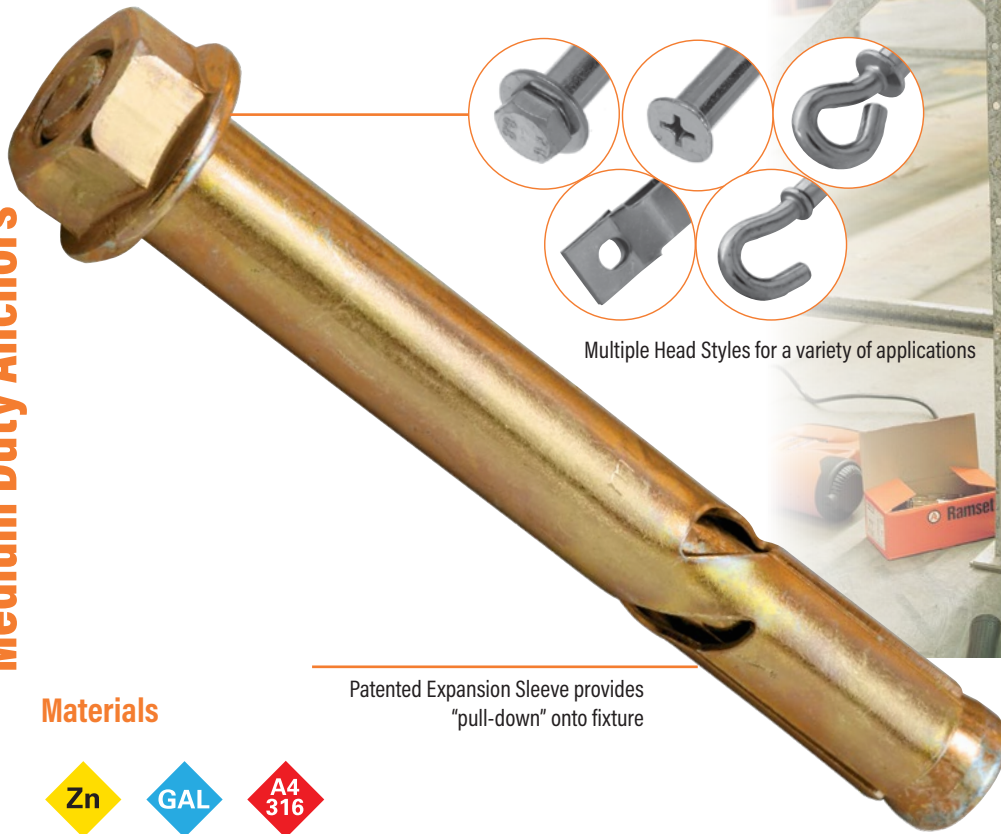


DynaBolt™ Plus

Sleeve Anchors

Medium Duty Anchors



Multiple Head Styles for a variety of applications



Patented Expansion Sleeve provides "pull-down" onto fixture

Materials



Description

The DynaBolt™ Plus Sleeve Anchor is a medium duty, torque controlled, expansion anchor, with an integrated pull-down section, designed for medium duty anchoring of timber and steel fixtures to concrete, brick or block. The DynaBolt™ Plus is available in a variety of different head styles and finishes.

Specification

Material	Carbon Steel, Stainless Steel 316 (A4)
Corrosion Protection	Zinc Plating, Hot Dipped Galvanising
Head Style	Hex Nut, Hex Bolt, Countersunk/Flat Head, Round Head, Hook, Eye, Tie Wire
Fixing Method	Through Fixture
Setting Method	Torque Controlled
Anchoring Method	Expansion
Thread Sizes	M4.5, M6, M8, M10, M12, M16
Drilled Hole Diameters	6mm, 8mm, 10mm, 12mm, 16mm, 20mm
Anchor Lengths	26mm, 34mm, 38mm, 40mm, 41mm, 45mm, 49mm, 55mm, 57mm, 60mm, 62mm, 65mm, 66mm, 70mm, 75mm, 76mm, 80mm, 81mm, 85mm, 92mm, 98mm, 100mm, 103mm, 106mm, 113mm, 126mm, 140mm, 157mm
Maximum Fixture Thickness*	3mm, 6mm, 8mm, 10mm, 12mm, 15mm, 20mm, 25mm, 30mm, 35mm, 45mm, 50mm, 55mm, 65mm, 70mm,
Indicative Working Loads in 32MPa Concrete*	Max Tensile 2.7kN -16.6kN Max Shear 2.5kN - 15.6kN
Substrates	Concrete, Solid Brick, Solid Block, Hollow Brick, Hollow Block, Hollow Slab

* Refer to load table

Features & Benefits

- The DynaBolt™ Plus patented expansion sleeve closes gaps of up to 5mm, pulling down on the fixture to induce clamp load and provide improved security.
- The DynaBolt™ Plus is a fully assembled through fixture anchor. Therefore, assembly, marking out and re-positioning of fixtures is eliminated making installation fast and easy.
- The choice of multiple head styles makes the DynaBolt™ Plus a versatile anchor for a variety of different applications.

Related Products

- | | |
|-------------------------|---------------------|
| DynaDrill™ | Hole Cleaning Brush |
| Carbide Drill Bits | Hole Cleaning Pump |
| Diamond Motor | Wet and Dry Vacuum |
| Diamond Core Drill Bits | Screwdriver Bits |

DynaBolt™ Plus

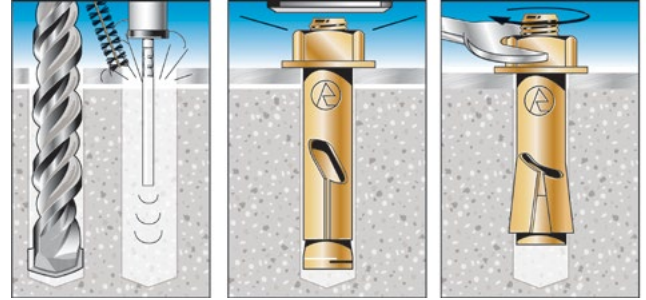
Sleeve Anchors

Trades & Applications

	Carpenter	Construction Contractor	Window Installer	Racking Installer
Bottom plates	✓			
Hand rails		✓		
Window frames			✓	
Pallet racking				✓

Installation

1. Drill or core a hole to the recommended diameter and depth using the fixture as a template. Clean the hole thoroughly with a hole cleaning brush. Remove the debris with a hand pump, compressed air, or vacuum.
2. Insert the DynaBolt™ Plus through the fixture and drive with a hammer until the washer contacts the fixture.
3. Tighten the DynaBolt™ Plus, allowing the sleeve to twist and pull down the fixture firmly onto the substrate. For optimum performance, a torque wrench should be used.



Medium Duty Anchors



DynaBolt™ Sleeve Anchor Hex Nut - Zinc Plated ^{Zn}

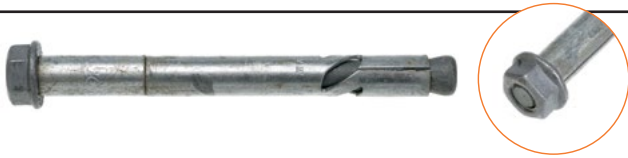
Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
D6026	M4.5	3	26	6	8	30	23	100
DP06040	M4.5	12	38	6	8	45	34	100
DP06060	M4.5	30	57	6	8	55	53	100
DP08040	M6	6	40	8	10	50	34	100
DP08065	M6	25	66	8	10	65	60	50
DP08090	M6	50	92	8	10	75	86	50
DP10040	M8	3	41	10	12	50	34	50
DP10050	M8	20	49	10	12	55	42	50
DP10075	M8	30	76	10	12	65	69	50
DP10100	M8	50	103	10	12	80	96	25
DP10125	M8	80	124	10	12	85	117	25
DP12060	M10	10	55	12	15	70	47	25
DP12070	M10	15	70	12	15	70	62	25
DP12100	M10	45	98	12	15	95	90	20
DP12125	M10	70	126	12	15	95	118	20
DP16065	M12	6	62	16	19	80	51	20
DP16110	M12	35	106	16	19	120	95	10
DP16140	M12	65	140	16	19	120	129	10
DP20080	M16	8	81	20	24	100	70	10
DP20115	M16	25	113	20	24	125	102	5
DP20160	M16	70	157	20	24	155	146	5

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DynaBolt™ Plus

Sleeve Anchors

Medium Duty Anchors



DynaBolt™ Sleeve Anchor Hex Nut - Hot Dipped Galvanised GAL

Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
DP10040GH	M8	3	41	10	12	50	34	50
AU ONLY								
DP10050GH	M8	20	49	10	12	55	42	50
DP10075GH	M8	30	76	10	12	65	69	50
DP10100GH	M8	50	103	10	12	80	96	25
DP12060GH	M10	10	55	12	15	70	47	25
DP12070GH	M10	15	70	12	15	70	62	25
DP12100GH	M10	45	98	12	15	95	90	20
DP12125GH	M10	70	126	12	15	95	118	20
DP16065GH	M12	6	62	16	19	80	51	20
DP16110GH	M12	35	106	16	19	120	95	10
DP16140GH	M12	65	140	16	19	120	129	10



DynaBolt™ Plus Sleeve Anchor Hex Nut - Stainless Steel Grade AISI 316 (A4) AISI 316

Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
DP06040SS	M4.5	12	38	6	8	45	34	100
DP06060SS	M4.5	30	57	6	8	55	53	100
DP08040SS	M6	6	40	8	10	50	34	100
DP08065SS	M6	25	66	8	10	65	60	50
DP10050SS	M8	20	49	10	12	55	42	50
DP10075SS	M8	30	76	10	12	65	69	50
DP10100SS	M8	50	103	10	12	80	96	25
DP12060SS	M10	10	55	12	15	70	47	25
DP12070SS	M10	15	70	12	15	70	62	25
DP12100SS	M10	45	98	12	15	95	90	20



DynaBolt™ Sleeve Anchor Hex Bolt - Zinc Plated Zn

Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
DP08045H	M6	15	45	8	10	55	34	100
DP10045H	M8	8	45	10	12	55	34	50
DP10055H	M8	20	55	10	12	55	42	50
DP10080H	M8	30	80	10	12	80	69	50
DP12065H	M10	15	65	12	15	75	47	25

DynaBolt™ Plus

Sleeve Anchors



DynaBolt™ Sleeve Anchor Hex Bolt - Stainless Steel Grade AISI 316 (A4)

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Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
DP08045HSS	M6	15	45	8	10	55	34	100
DP10045HSS	M8	8	45	10	12	55	34	50
DP10060HSS	M8	20	60	10	12	60	56	50
DP10080HSS	M8	30	80	10	12	80	69	50
DP10105HSS	M8	60	105	10	12	85	96	25



DynaBolt™ Sleeve Anchor Countersunk Head - Zinc Plated

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Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
D6034F	M4.5	10	34	6	8	40	30	100
DP06060F	M4.5	30	60	6	8	50	25	100
DP06075F	M4.5	45	75	6	8	50	25	100
DP06100F	M4.5	70	100	6	8	60	25	100
DP08060F	M6	20	60	8	10	70	30	100
DP08085F	M6	45	85	8	10	75	30	50
DP10075F	M8	30	75	10	12	85	34	50
DP10100F	M8	55	100	10	12	85	34	50
DP10125F	M8	80	125	10	12	105	34	25



DynaBolt™ Sleeve Anchor Countersunk Head - Stainless Steel Grade AISI 316 (A4)

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Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
DP06060FSS	M4.5	30	60	6	8	50	25	100

Medium Duty Anchors

DynaBolt™ Plus

Sleeve Anchors

Medium Duty Anchors



DynaBolt™ Sleeve Anchor - Set Lok Bolt - Zinc Plated ^{Zn}

Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
D06026S	M4.5	-	26	6	-	30	23	500



DynaBolt™ Sleeve Anchor - Hook Bolt - Zinc Plated ^{Zn}

Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
D08045K	M6	-	47	8	-	55	32	100



DynaBolt™ Sleeve Anchor - Eye Bolt - Zinc Plated ^{Zn}

Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
D08045X	M6	-	47	8	-	55	32	100

DynaBolt™ Sleeve Anchors - Indicative Working Loads in 32MPa Concrete

Anchor Size (mm)	Thread Size	Embedment Depth (mm)	Tightening Torque (Nm)	Min Edge Distance (mm)	Min Anchor Spacing (mm)	Max Tensile Load, N _a (kN)*	Max Shear Load, V _a (kN)*
6	M4.5	25	10	55	75	2.7	2.5
8	M6	35	15	60	105	4.2	4.0
10M8	45	35	70	135	5.9	6.4	
12M10	50	55	75	150	7.7	7.9	
16M12	65	85	100	195	11.9	10.5	
20M16	85	165	130	255	16.6	15.6	



DynaBolt™ Decorative Post Head - Countersunk - Zinc Plated & Stainless Steel 316 ^{Zn} ³¹⁶

Part No.	Thread Size	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
DF045SS*	M4.5	-	23	-	8	-	-	100
DF06SS*	M6	-	23	-	10	-	-	100
DF08SS*	M8	-	27	-	12	-	-	100

*Denotes Stainless Steel Grade AISI 316 (A4)

***The design engineer should ensure the structural element is capable of supporting these loads. Refer to Ramset™ Specifiers Resource Book for more information or explanation of technical data.**

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