



Ramset™

DYNABOLT™ SLEEVE ANCHORS

| Multi-Purpose | Architectural Finish | Medium Duty Expansion Anchor |

Product Description

The DynaBolt PLUS is a small to large diameter medium performance mechanical anchor with a patented sleeve which can clamp down 5mm gaps.

A wide range of diameters and lengths in both “Bolt Head” for architectural finishes and “Nut Head” types.

Available in Zinc for interior applications in M4.5-M16 sizes (6-20mm Hole), galvanised for exterior applications in M8-M12 (10-16mm hole) & Stainless Steel for extreme environments in M4.5- M10 sizes (6-12mm Hole)



Installation Features & Benefits

- Anti rotation design reduces installation difficulties due to the anchor spinning in hole
- Installed after a fixture is positioned which makes multiple anchor alignment easy
- No Stud protruding from anchor which can interfere with a socket or wrench (Bolt Head Style)
- Suitable for a range of fixture thicknesses up to 100mm
- Unlike other sleeve anchors DynaBolts Pull down a gap up to 5mm

Performance Features & Benefits

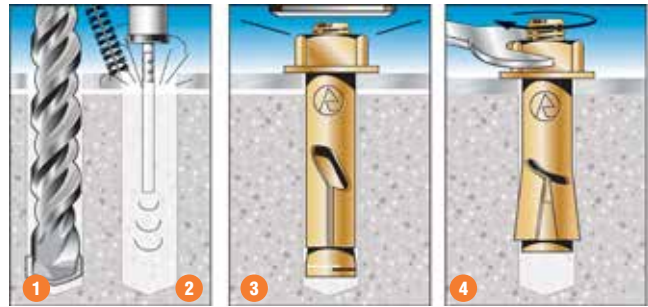
- Better tensile performance than the same sized TruBolt
- Patented sleeve design pulls down and clamps fixtures securely
- Performs well under medium duty cyclic loads
- Zinc options available for interior environments M4.5-M16 sizes (6-20mm Hole)
- Galvanised options available for exterior environments M8-M12 (10-16mm hole)
- Stainless Steel options available for extreme environments M4.5- M10 sizes (6-12mm Hole)

Principal Applications

Ideally suited for secondary or non-critical medium duty fixings into concrete where aesthetics are important and where a lower degree of shock or cyclic loads may occur.

- Non-critical fixings such as Warehouse racking corner guards
- Brackets securing medium weight building services such as pipes or duct work
- Applications where hammer-in “Plastic” anchors are not suitable such as large signs
- Anchoring small machinery and plant
- Applications where aesthetics are important such as securing furniture in hospitality areas

Installation Procedure



1. Drill recommended sized holes as per technical specifications.
2. Clean hole thoroughly with brush. Remove debris by way of a vacuum or hand pump, compressed air, etc.
3. After ensuring anchor is assembled correctly, insert anchor through fixture and drive in until washer contacts fixture.
4. Tighten bolt, allowing the sleeve to twist and pull down the fixture onto the base material, to the specified assembly torque.

Independent Appraisal



Tension Zone



Cyclic Loads



Shock Load



Fire Applications



Pull Down



Close Spacings



Water System



Chemical Creep Tested



Zinc Plating



Galvanised Plating





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Performance Information



IF YOUR DIMENSIONS ARE LESS THAN THE TABLED “DIMENSIONS TO ACHIEVE CAPACITIES”

Refer to Ramset Specifiers Anchoring Resource Book for the performance values.

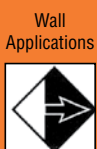
Or scan QR Code to link to the Specifiers Anchoring Resource Book.



Part Number (Thread Dia)	Installation (mm)		Dimensions to Achieve Capacities (mm)			Tensile Capacity ϕN_{uc} (kN)		
	Fixture Thickness	Hole Depth	Min Concrete Thickness	Min Anchor Edge Distance	Min Anchor Spacing	20 MPa Concrete	32 MPa Concrete	40 MPa Concrete
DP06026 (M4.5)	5	26	51	55	60	3.0	3.7	4.2
DP06040 (M4.5)	5	41	66	55	105	6.8	8.6	9.7
	20	26	51	55	60	3.0	3.7	4.2
DP06060 (M4.5)	5	55	80	83	165	13.5	17.0	19.0
	40	26	51	55	60	3.0	3.7	4.2
DP08040 & DP08045H (M6)	5	43	68	60	105	6.8	8.6	9.7
	15	33	58	60	75	4.1	5.2	5.8
DP08065 & DP08070H (M6)	5	68	93	90	180	15.3	19.4	21.7
	40	33	58	60	75	4.1	5.2	5.8
DP08090 (M6)	5	93	118	128	255	25.9	32.7	36.6
	65	33	58	60	75	4.1	5.2	5.8
DP10040 (M8)	5	45	70	70	105	6.8	8.6	9.7
	10	40	65	70	90	5.4	6.9	7.7
DP10050 & DP10055H (M8)	5	55	80	70	90	10.0	12.6	14.1
	20	30	55	70	90	5.4	6.9	7.7
DP10075 & DP10080H (M8)	5	80	105	105	210	19.3	24.4	27.3
	45	40	65	70	90	5.4	6.9	7.7
DP10100 (M8)	5	105	130	143	285	30.6	38.7	43.2
	70	40	65	70	90	5.4	6.9	7.7

Product Options, Dimensions and Installation Information

Part Number	Head Style	Durability Options	Box Qty	Length (mm)	Bolt Dia (mm)	Concrete Hole Dia (mm)	Tightening Torque (Nm)	Socket/Wrench Size AF (mm)	Fixture Clearance Hole Dia (mm)
DP06026	Nut	Zn	100	26	4.5	6	10	8	8
DP06040	Nut	Zn SS	100	40					
DP06060	Nut	Zn SS	100	60					
DP08040	Nut	Zn SS	100	40					
DP08045H	Bolt	Zn	100	45	6	8	15	10	10
DP08065	Nut	Zn SS	50	65					
DP08070H	Bolt	Zn SS	50	70					
DP08090	Nut	Zn	50	90					
DP10040	Nut	Zn	50	40	8	10	35	13	12
DP10050	Nut	Zn GH SS	50	50					
DP10055H	Bolt	Zn SS	50	55					
DP10075	Nut	Zn GH SS	50	75					
DP10080H	Bolt	Zn	50	80	8	10	35	13	12
DP10100	Nut	Zn GH SS	25	100					





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Part Number (Thread Dia)	Installation (mm)		Dimensions to Achieve Capacities (mm)			Tensile Capacity ϕN_{uc} (kN)		
	Fixture Thickness	Hole Depth	Min Concrete Thickness	Min Anchor Edge Distance	Min Anchor Spacing	20 MPa Concrete	32 MPa Concrete	40 MPa Concrete
DP12060 & DP12065H (M10)	5	67	92	83	165	13.5	17.0	19.0
	25	47	72	70	105	6.8	8.6	9.7
DP12070 & DP12075H (M10)	5	77	102	98	195	17.3	21.9	24.5
	35	47	72	70	105	6.8	8.6	9.7
DP12100 & DP12105H (M10)	5	107	132	143	285	30.6	38.7	43.2
	65	47	72	70	105	6.8	8.6	9.7
DP12125 (M10)	5	132	157	180	360	43.4	54.9	61.4
	90	47	72	70	105	6.8	8.6	9.7
DP16065 & DP16070H (M12)	5	76	101	90	180	15.3	19.4	21.7
	15	66	91	75	150	11.7	14.8	16.5
DP16110 (M12)	5	121	146	158	315	35.5	44.9	50.2
	60	66	91	75	150	11.7	14.8	16.5
DP16140 (M12)	5	151	176	203	405	51.8	65.5	73.2
	90	66	91	75	150	11.7	14.8	16.5
DP20080 (M16)	5	95	120	113	225	21.4	27.1	30.3
	20	80	105	90	180	15.3	19.4	21.7
DP20115 (M16)	5	130	155	165	330	38.1	48.2	53.8
	55	80	105	90	180	15.3	19.4	21.7
DP20160 (M16)	5	175	200	233	465	63.7	80.6	90.1
	100	80	105	90	180	15.3	19.4	21.7

Product Options, Dimensions and Installation Information

Part Number	Head Style	Durability Options	Box Qty	Length (mm)	Bolt Dia (mm)	Concrete Hole Dia (mm)	Tightening Torque (Nm)	Socket/Wrench Size AF (mm)	Fixture Clearance Hole Dia (mm)
DP12060	Nut	Zn GH SS	25	60					
DP12065H	Bolt	Zn SS	25	65					
DP12070	Nut	Zn GH SS	25	70					
DP12075H	Bolt	Zn	25	75	10	12	55	16	15
DP12100	Nut	Zn GH	20	100					
DP12105H	Bolt	Zn	20	105					
DP12125	Nut	Zn GH	20	125					
DP16065	Nut	Zn GH	20	65					
DP16070H	Bolt	Zn	20	70					
DP16110	Nut	Zn GH	10	110	12	16	85	18	19
DP16140	Nut	Zn	10	140					
DP20080	Nut	Zn	10	80					
DP20115	Nut	Zn	5	115	16	20	165	24	24
DP20160	Nut	Zn	5	160					

Independent Appraisal



Tension Zone



Cyclic Loads



Shock Load



Fire Applications



Pull Down



Close Spacings



Water System



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