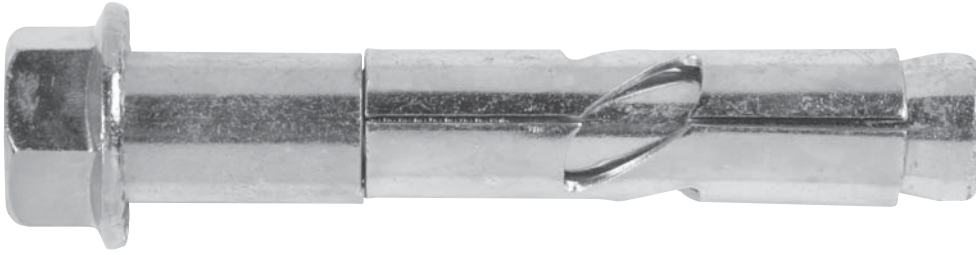


Brick and Block Anchoring



Function

The DynaBolt Anchor Hex Bolt is a medium duty, torque setting expansion anchor.

Features and Benefits

Ideal for hollow substrates:

- Cone nut pulls up in cavity to clamp fixture to substrate.

Neat to finish:

- Low profile hex head.

Fast installation:

- Through fixing eliminates marking out and repositioning of fixture.

Convenient to remove:

- No metal parts protrude from hole eliminating grinding.

Economical Zinc Plated or superior corrosion resistant AISI 316 Stainless Steel.

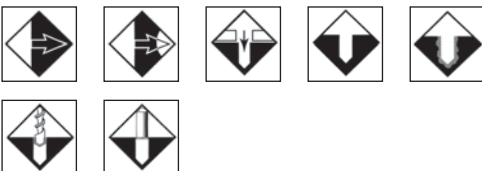
Performance Related



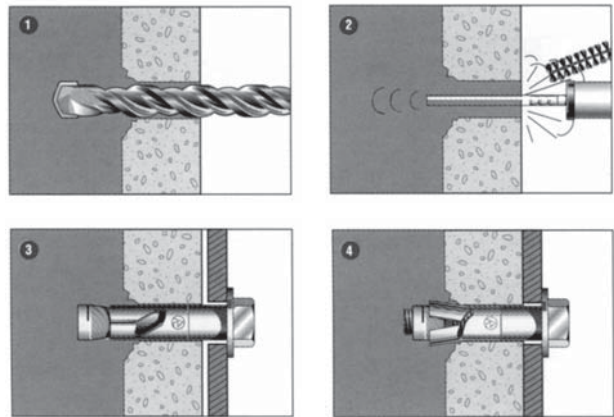
Material



Installation Related



Installation



1. Drill hole to correct diameter and depth.
2. Clean thoroughly with brush. Remove debris by way of vacuum or hand pump, compressed air etc.
3. Insert Dynabolt Anchor Hex Bolt through fixture, tap lightly with hammer until washer contacts fixture.
4. Tighten Dynabolt Anchor Hex Bolt to specified assembly torque using torque wrench or impact wrench (rattle gun).

Principal Application into Brick and Block

- Electrical junction boxes
- Wall mounted pipe brackets
- Installing wall mounted signs, handrails and gates.
- Roller door guide rails

Brick and Block Anchoring

These anchors are not recommended for structure critical applications and are typically used for simple fixing and finishing applications. Their capacity information is therefore presented in simple Working Load Limit format.

Installation and Working Load Limit Performance Details

Anchor size, d_b (mm)	Installation details				Performance (kN)							
	Drilled hole \varnothing , d_b (mm)	Fixture hole \varnothing , d_f (mm)	Anchor effective depth, h (mm)	Tightening Torque, T_t (Nm)	Solid Brick		3 Hole Brick		10 Hole Brick		Concrete Block	
					Shear, V_a (kN)	Tension, N_a	Shear, V_a (kN)	Tension, N_a	Shear, V_a (kN)	Tension, N_a	Shear, V_a (kN)	Tension, N_a
M8	8	10	35	10	3.9	3.1	2.9	3.9	2.0	0.83	1.4	1.00
M10	10	12	40	15	4.4	4.6	3.4	4.1	2.3	0.87	1.6	1.00
M12	12	15	40	15	4.4	4.6	3.8	4.1	3.1	0.94	2.1	1.00

* For shear loads acting towards an edge or where these minimum dimensions are not achievable, please use the simplified strength limit state design process to verify capacity.

* For details on Working Load Limit and Reduced Characteristic capacities refer page 3.

Working Load Limit

Description and Part Numbers

Anchor size, d_b	Length, L (mm)	Part No.	
		Zn	S/S
M8	45	DP08045H	
	70	DP08070H	DP08070HSS
M10	55	DP10055H	-
	80	DP10080H	DP10080HSS
M12	65	DP12065H	-
	75	DP12075H	DP12075HSS
	105	DP12105H	-