

DROP –IN ANCHOR

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- Perfect expansion and specially designed built-in plug ensures full expansion of anchor.
- The test values listed beneath were obtained using 4,000 psi Concrete (no aggregated).
- A safe working load should not exceed 25% of stated values.
- Within the range of load bearing, it can be used for indoor fixing, fire fighting apparatus, hot water piping, air-conditioner, general usually fixing and suspended fixing, and slot steel track, and suspended goods fixing, it is conveniently & quickly to inflate the body by inside cone plug.
- The knurling on the surface of the product is to enhance the traction between product and the interface, it is designed according to different construction requirement. The enclosed load carrying capacity date of this product is under the test condition of 280-330 kgs/cm² of the concrete intensify, and the max security load carrying capacity should not exceed 25% of the standard gauge.



MATERIAL AND SURFACE FINISH

- Carbon Steel 4.8 grade, White Zinc Plated
- Stainless Steel 304

FOR FIXING TO

- Concrete 
- Solid Brickwork 
- Hollow Core Slab (Drop-In Anchor with Lipped)

APPLICATIONS

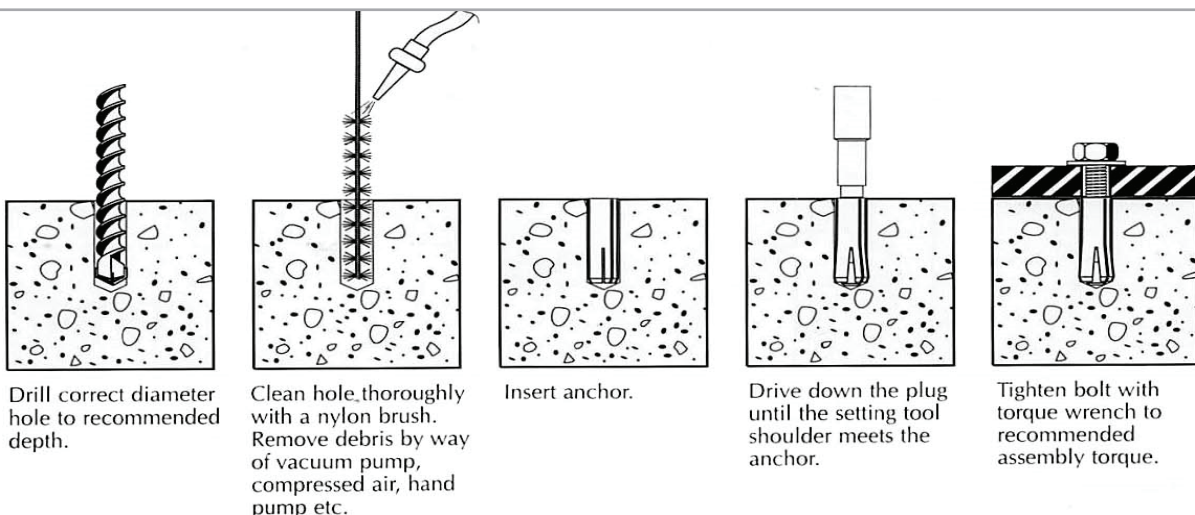
- Mechanical and electrical Services
- Suspension systems (ceilings)
- Cable Trays
- Signs
- Hand rails

FEATURES

- Thin walled-smaller drill sizes used.
- Flush fitting-on protrusion when not is use.
- Shallow embedment-less chance of drilling into rebar, and faster drilling.
- Permanent anchorage- removal of fixture leaves anchor undisturbed

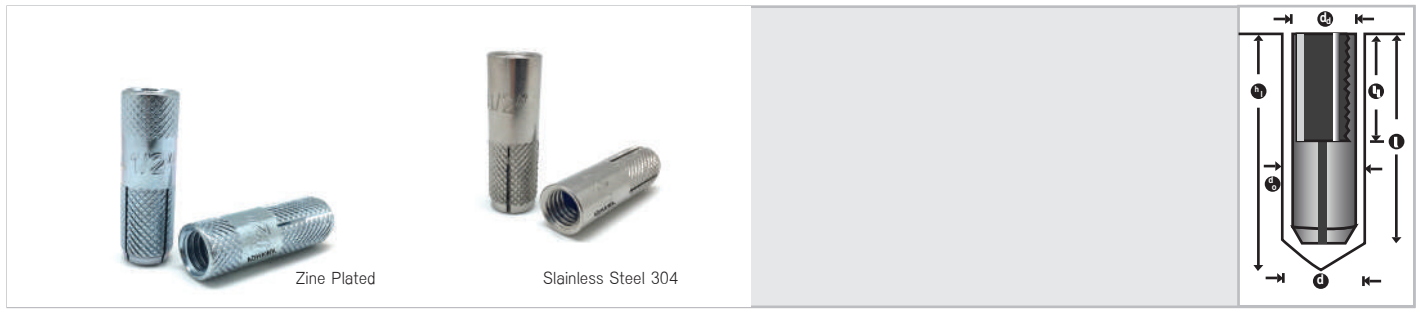


INSTALLATION PROCEDURES



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Anchor Size	d Anchor Φ (mm) x Anchor Length (mm)	db Thread Size x lt Thread Length (mm)	do Hole Diameter (mm) x Hj Hole Depth (mm)	Packed Quantity (Carton)	Part No. Carbon Steel (Plate)	Part No. Stainless Steel 304
1/4" (M6)	8x25	1/4"BSW x10	8x28	2000	DAZPA14025	DASS14025
5/16" (M8)	10x30	5/16"BSW x14	10x33	2000	DAZPA51630	DASS51630
3/8" (M10)	12x40	3/8"BSW x15	12x43	500	DAZPA38040	DASS38040
1/2" (M12)	16x50	1/2"BSW x20	16x53	300	DAZPA12050	DASS12050
5/8" (M16)	20x65	5/8"BSW x25	20x68	200	DAZPA58065	-

INSTALLATION AND PERFORMANCE DETAILS

Anchor Size	Installation				Structural Limits			Rec Working Load (kN) See Safety Factor P1					
	Hole Diameter Φ (mm)	Embedded Depth (mm)	Fixture Hole Φ (mm)	Tight Torque (Nm)	Edge Dist. (mm)	Anchor Spacing Dist. (mm)	Structural Thickness Minimum (mm)	20MPa		30MPa		40MPa	
								Tensile	Shear	Tensile	Shear	Tensile	Shear
1/4"	8	28	7	6	75	50	60	2.9	2.0	3.5	2.0	3.9	2.0
5/16"	10	33	9	10	90	60	70	3.1	2.6	3.8	2.6	4.4	2.6
3/8"	12	43	12	20	120	80	80	4.8	3.3	5.9	3.3	6.3	3.3
1/2"	16	53	14	40	150	100	100	7.0	8.1	8.6	8.1	9.9	8.1
5/8"	20	68	18	95	195	130	130	10.6	10.4	13.0	10.4	15.1	10.4

* The factor of safety applied for Concrete tension is 3.0

DROP-IN ANCHOR WITH LIPPED

Anchor Size	d Anchor Φ (mm) x Anchor Length (mm)	db Thread Size x lt Thread Length (mm)	do Hole Diameter (mm) x Hj Hole Depth (mm)	Packed Quantity (Carton)	Part No. Carbon Steel (Plate)	300 MPa	
						Tensile Load (kN)	Shear Load (kN)
3/8"	12x30	3/8"BSW x15	12x33	500	DLZPA38030	3.6	2.9

