

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.



FOR FIXING TO

- Concrete
- Solid Brickwork
- Hollow Core Slab

MATERIAL

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

APPLICATIONS

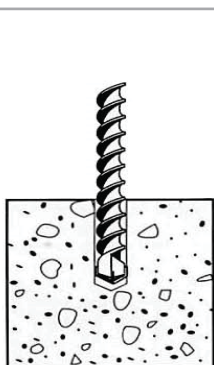
- Mechanical and electrical Services
- Suspension systems (ceilings)
- Cable Trays
- Signs
- Hand rails

FEATURES

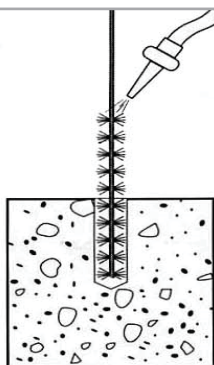
- Thin walled-smaller drill sizes used.
- Flush fitting-on protrusion when not is use.
- Shallow embedment-less chance of drilling into rebar, and faster drilling.
- Permanent anchorage- removal of fixture leaves anchor undisturbed



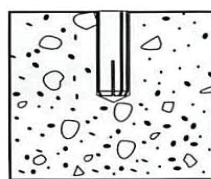
INSTALLATION



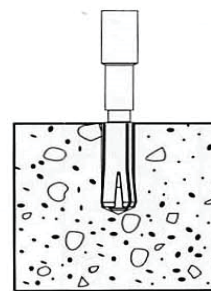
Drill correct diameter hole to recommended depth.



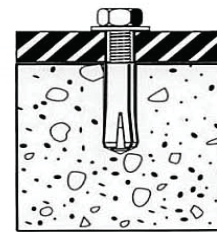
Clean hole, thoroughly with a nylon brush. Remove debris by way of vacuum pump, compressed air, hand pump etc.



Insert anchor.



Drive down the plug until the setting tool shoulder meets the anchor.



Tighten bolt with torque wrench to recommended assembly torque.

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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"	8x25	1/4"BSW x10	8x25	2000	DAZPA14025	DASS14025
5/16"	10x30	5/16"BSW x14	10x30	2000	DAZPA51630	DASS51630
3/8"	12x40	3/8"BSW x15	12x40	500	DAZPA38040	DASS38040
1/2"	16x50	1/2"BSW x20	16x50	300	DAZPA12050	DASS12050
5/8"	20x65	5/8"BSW x25	20x65	200	DAZPA58065	-

INSTALLATION AND PERFORMANCE DETAILS

Anchor Size	Installation				Structural Limits			Rec Working Load (kN) See Safety Factor P1					
	Hole Size ϕ (mm)	Embedded Depth (mm)	Fixture Clearance 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
6	M6(1/4")	M8(5/16")	25	6	95	70	60	2.9	2.0	3.5	2.0	3.9	2.0
8	M8(5/16")	M10(3/8")	30	10	100	70	70	3.1	2.6	3.8	2.6	4.4	2.6
10	M10(3/8")	M12(1/2")	40	20	135	100	80	4.8	3.3	5.9	3.3	6.3	3.3
12	M12(1/2")	M16(5/8")	50	40	175	125	100	7.0	8.1	8.6	8.1	9.9	8.1
16	M16(5/8")	M20(3/4")	65	95	230	165	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)	Part No. Stainless Steel 304
3/8"	12x30	3/8"BSW x15	12x30	500	DLZPA38030	-

