



DYNASET® DROP-IN ANCHORS

Dynaset is an internally threaded socket Anchor for use with bolts or threaded rod of any length.

Dynaset may be set at any depth or flush to the surface. The correct setting tool for each size should be used to guarantee full expansion of the anchor body.

For fixing to

Concrete, solid brickwork.

Features

- ~ Thin walled-smaller drill sizes used.
- ~ Flush fitting-no protrusions when not in use.
- ~ Shallow embedment - less chance of drilling into rebar, and faster drilling.
- ~ Permanent anchorage - removal of fixture leaves anchor undisturbed.

Application

Suspended services stadium seating, holding down machinery, racking, light to medium duty.

Materials

Carbon Steel

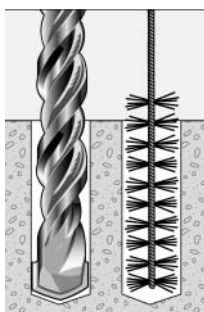
Stainless Steel: AISI 316.

Surface Finish

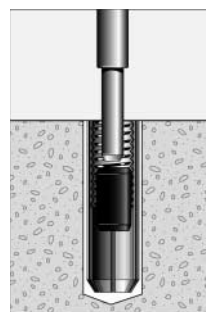
Zinc electro-plated with chromate conversion coating.



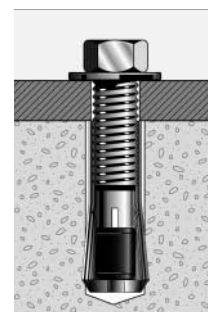
INSTALLATION



1. Drill hole at recommended diameter, to at least the anchor length in depth. Clean hole thoroughly with a brush. Remove debris by way of a vacuum pump, compressed air, hand pump etc.



2. Insert anchor and push to required depth. Using the special setting tool, drive the expander plug down until shoulder of the setting punch meets top of the anchor.



3. Position fixture then insert the bolt and tighten with spanner. The Dynaset anchor remains set in position if the bolt is removed.



INSTALLATION AND PERFORMANCE DETAILS

Anchor Size	Thread Size	Hole Ø mm	Installation Embedded Depth (mm)	Tight Torque (Nm)	Edge Dist. Min. (mm)	Structural Limits		Rec. Working load (kN)					
						Anchor Spacing Dist. Min. (mm)	Structural Thick. Min (mm)	20MPa		30MPa		40MPa	
								Tensile	•Shear	Tensile	•Shear	Tensile	•Shear
6	M6	8	30	3	95	70	60	2.9	2.0	3.5	2.0	3.9	2.0
8	M8	10	35	6	100	70	70	3.1	2.6	3.8	2.6	4.4	2.6
10	M10	12	45	12	135	95	80	4.8	3.3	5.9	3.3	6.3	3.3
12	M12	16	55	21	175	125	100	7.0	8.1	8.6	8.1	9.9	8.1
16	M16	20	75	51	230	165	130	10.6	10.4	13.0	10.4	15.1	10.4
20	M20	25	90	98	285	205	160	14.8	13.1	18.1	13.1	20.9	13.1

* For shear loads acting toward the edge(s) of the concrete, the above edge distances and spacings are not applicable, please consult Ramset Technical Consultant. This table should be read in conjunction with the Ramset Engineers Design Manual.