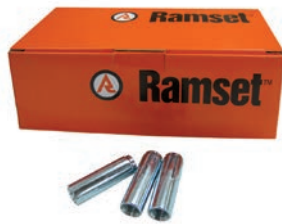


## DynaSet™ Drop-in Anchors

### Ramset Drop-In-Anchors

An all steel internally threaded anchor, giving a permanent anchorage point in solid concrete, brick or masonry. For use with machine bolts and threaded rod.

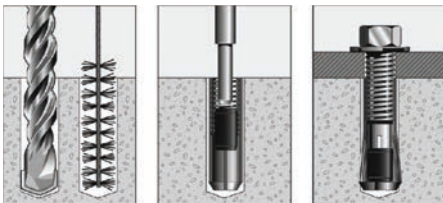


### Specification

- Drop-in-anchor 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.

### Substrates

- Concrete



### Product Advantages

- Flush fitting with no protrusion when not in use
- Shallow embedment, hence less chance of drilling into rebar, and faster drilling
- Removal of fixture leaves anchor undisturbed
- Setting tool stamp marks to indicate complete expansion
- Visual expansion check with setting tool
- Permanent anchorage point in solid concrete, brick or masonry
- Can be used with all types of bolts, screws and studs
- Available in carbon steel and stainless steel AISI 316(A4) or AISI 304(A2)

### Applications

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

### Installation

1. Drill the correct diameter hole and depth.
2. Clean the hole with a brush and blow out pump.
3. Push the anchor into the hole.
4. Insert the relevant setting tool of the same diameter as the anchor until it makes contact with the cone. Use a hammer to drive the setting tool into the anchor – stop hammering when the expander shoulder rests against the anchor or when it is blocked (in hard concrete).
5. Tighten to the recommended torque using a torque wrench.

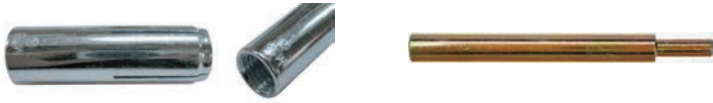
### DynaSet™ Drop-in Anchors - Recommended Working Loads in 40N/mm<sup>2</sup> non-cracked Concrete

Thread Ø	Embedment Depth (mm)	Torque (Nm)	Zinc Plated		A4-316 / A2-304	
			Shear Load (kN)*	Tensile Load (kN)*	Shear Load (kN)*	Tensile Load (kN)*
M6	23	6	1.9	2.5	2.5	2.5
M8 (5/16")	28	10	2.4	3.4	3.3	3.4
M10 (3/8")	38	20	3.0	5.4	4.2	5.4
M12 (1/2")	48	40	5.5	7.7	7.4	7.7
M16 (5/8")	63	95	8.7	11.4	13.0	11.4
M20 (6/8")	78	180	11.0	15.8	16.4	15.8

\* Safety factor for all loads = 3

\* This table does not consider edge distance and anchor spacing effects. Please refer to Ramset Design Guide for more information.

## DynaSet™ Drop-in Anchors - Zinc Plated



Part No.	Thread Ø	Thread Length (mm)	Overall Anchor Length (mm)	Hole Ø (mm)	Min Hole Depth (mm)	Setting Tool	Order Qty
DSM06	M6	10	25	8	28	SETDS1	100
DSM08	M8	13	30	10	33	SETDS2	100
DSM10	M10	16	40	12	43	SETDS3	50
DSM12	M12	20	50	16	53	SETDS4	25
DSM16	M16	25	65	20	68	SETDS5	20
DSM20	M20	35	80	24	83	SETDS6	10
DSW05	5/16"	13	30	10	33	SETDS2	100
DSW06	3/8"	16	40	12	43	SETDS3	50
DSW08	1/2"	21	50	16	53	SETDS4	25
DSW10	5/8"	28	65	20	68	SETDS5	20
DSW12	6/8"	35	80	24	83	SETDS6	10

## DynaSet™ Drop-in Anchors - Stainless Steel AISI 316 (A4)



Part No.	Thread Ø	Thread Length (mm)	Overall Anchor Length (mm)	Hole Ø (mm)	Min Hole Depth (mm)	Setting Tool	Order Qty
DSM06SS	M6	10	25	8	28	SETDS1	100
DSM08SS	M8	13	30	10	33	SETDS2	100
DSM10SS	M10	16	40	12	43	SETDS3	50
DSM12SS	M12	20	50	16	53	SETDS4	50
DSM16SS	M16	25	60	20	68	SETDS5	25
DSM20SS	M20	35	80	24	83	SETDS6	10

Note: A2-304 material is also available upon request, put A2 after Part No.

## Safety Ring Anchor System



### Safety Ring Anchor System

Conforming to the requirement of BS EN 795:1997 Standard Specifically design for use on buildings where windows cleaners and others that employ industrial rope access. The Safety Ring Anchor System provides a secure, permanent anchorage point for fall arresting safety harnesses. The system meets the static and dynamic strength tests per BS EN 795:1997, as highlighted by OSHA (Occupational Safety and Health Council).

### Safety Ring Anchor System (EN795)



Part No.	Material	Thread Ø	Internal Ring Diameter (mm)	Overall Length (mm)	Anchor Hole Diameter (mm)	Hole Depth (mm)	For use only with	Setting Tool	Order Qty
RSR12GM	Hot Dip Galv.	M12	16	138	16	128	DSM12SS	SETSA4	4
RSR12SS	AISI 316 (A4)	M12	16	138	16	128	DSM12SS	SETSA4	4

NOTE: When installed in accordance with Ramset™ specifications, anchor performance is fully compliant with AS/NZS1891.4:2000 "Industrial fall-arrest systems and devices".

BS EN795 (Static Tension - 10kN, Drop test - 100kg/2.5m)

BS5845 (Static Tension - 10kN, Drop test - 136kg/1m)

AS2626 (Static Tension - 15kN)

NZS5802 (Static Tension - 27kN, Static shear - 5kN, Drop test - 110kg/1.2m)

\* Refer to Ramset Design Guide for more information or explanation of technical data

Non-destructive pull-out test of 6kN and sustain for a minimum of 15 seconds is required for each Safety Ring Anchor after installation to ensure the compliance of BS EN 795 Standard.