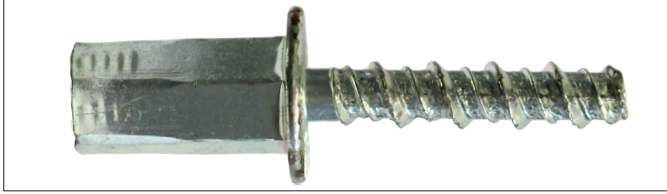


SCREWBOLT - THREADED ROD ANCHOR



12.12 PRODUCT DESCRIPTION

The Macsim Screwbolt - Threaded Rod Anchor is designed for medium applications in solid concrete of 25MPa or greater, offering a variety of head types and finishes. The Screwbolt exerts no expansion pressure and can be used close to edges without damaging the base material.

12.13 INSTALLATION METHOD

1. Drill Correct Diameter and depth of hole as specified. A clearance hole of at least >1mm diameter is required through component. The hole depth must be at least 2 x the bolt/ drill diameter, deeper than the bolt embedment.
2. Clean hole by brushing and blowing out dust carefully.
3. Place the Screwbolt through the fixture, and tighten. Using a calibrated Torque Wrench apply correct torque setting as specified. It is important to keep pressure applied during tightening to ensure grip. If the bolt becomes jammed, back off one turn and re-tighten.

12.11 PRODUCT DATA

Head Types:

- Hex Flanged with internal thread

Material Coating:

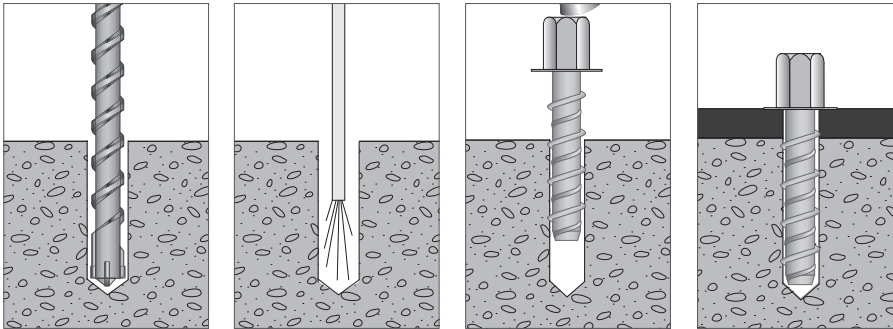
- Zinc Plated

12.14 APPLICATIONS

- Used for Medium Loads
- Solid Concrete

12.15 ADVANTAGES

- Medium-High Tension Capacity
- Medium-High Shear Load Capacity
- Simple Installation
- Instant Load Capacity



CODE	Bolt Diameter (mm)	Drill Diameter (mm)	Minimum Embed. Depth (mm)	Minimum Hole Depth (mm)	Minimum Structural Thickness (mm)	Minimum* Anchor Spacing (mm)	Minimum* Edge Distance (mm)
SBRO6(SIZE)	6	6	30	45	75	30	20

* Absolute distances, reduction factors apply.

12 SCREWBOLT - THREADED ROD ANCHOR

12.16 MATERIAL SPECIFICATIONS

Manufactured from high grade carbon steel, 8.8 grade.

Torque settings are based on installation in 30MPa minimum. Concrete; Installation in materials other than Concrete are available on request if the material strength is known.

All load data in this document is based on tests in 30MPa concrete but other data may be available on request.

12.161 ZINC PLATED

Diameter (mm)	Yield Strength (N/mm ²)	Ultimate Strength (N/mm ²)	Torque Setting Nm
6	640	800	32

12.17 SIMPLE LOAD CHARACTERISTICS

Anchor Size	Hole Diameter (mm)	Min. Embed. Depth (mm)	Ult. Tensile Strength (kN)	Ult. Shear Strength (mm)	Working Load		Anchor Spacing* (mm)	Edge Distance* (mm)
					Tensile (kN)	Shear (kN)		
6	6	30	8.00	10.00	2.00	2.50	100	60

Concrete Strength 30MPa

* Reduction Factors apply for distances less than these.