



Engineering Data

How to Specify

- 1 Select anchor diameter based on loading requirements.
- 2 Determine total thickness of material to be anchored (if grout or shimming is to be used between material and concrete surface, add thickness of grout/shims to thickness of material to obtain total thickness of material to be anchored.)
- 3 Select anchor length that will satisfy total thickness of material, head clearance and embedment of anchor diameter selected.

General Specifications

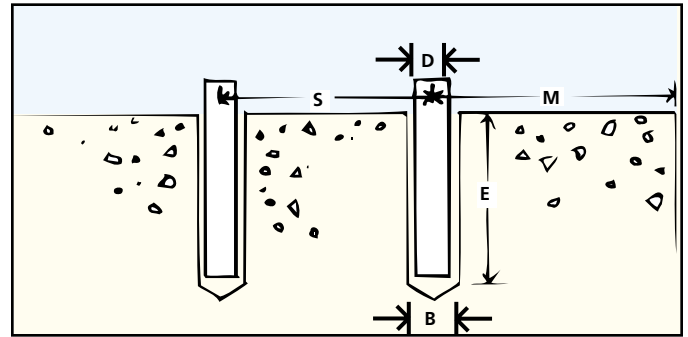
Adhesive resin anchor shall be (polyester) (epoxy) (acrylic) as manufactured by MKT Fastening, LLC, #1 Gunnebo Dr., Lonoke, AR 72086

Installation

Adhesive resin anchors shall be installed in holes drilled with carbide tipped bits conforming to ANSI specification B212.15-94. Minimum installation depth and hole preparation shall be as recommended by manufacturer.

Specifications, Liquid Roc 300, 500, 700

Bolt Size (in.)	B Nominal Diameter (in.)		E Min. Embedment (in.)	S Anchor Spacing (in.)	M Edge Dist. (in.)	T Maximum Tightening Torque (ft. lbs.)
	Capsule or Pouch	Single or Twin Tube				
3/8"	7/16"	1/2"	3-1/2"	3-1/2"	3-1/2"	13
1/2"	9/16"	5/8"	4-1/2"	4-1/2"	4-1/2"	22
5/8"	11/16"	3/4"	5-1/2"	5-1/2"	5-1/2"	55
3/4"	7/8"	7/8"	6-1/2"	6-1/2"	6-1/2"	106
7/8"	1"	1"	8"	8"	8"	135
1"	1-1/8"	1-1/8"	9"	9"	9"	184



Reduction Factors

Tension		Shear		
Spacing (S) and Edge Dist. (M)	Factor (F)	Spacing (S) and Edge Dist. (M)	Direction of load	Factor (F)
S min. = 0.50S	0.7	S min. = 0.50S	toward edge	0.6
			not toward edge	1.0
M min. = 0.50M	0.7	M min. = 0.50M	toward edge	0.4
			not toward edge	0.5

For Reduced Spacing and Edge Distances

- 1 Linear interpolation is allowed for edge distances which fall between 0.50M and 1.00M, and anchor spacing which falls between 0.50S and 1.00S.
- 2 Load reduction factors should be combined where applicable. In the case where three or more anchors are used, spacing reduction factors must be multiplied together. Where two or more edge distances affect performance, edge reduction factors must be multiplied together. When a group of anchors is affected by both reduced spacing and reduced edge distances, the edge and spacing reduction factors must be multiplied together.

Temperature Sensitivity Chart

% OF ALLOWABLE LOAD

