

CONCRETE ANCHOR BOLT REQUIREMENTS



FOR ATLAS[®] BRACKETS

Use the correct number, diameter, type, and embedment length of concrete anchor bolts as specified here. Follow the installation instructions provided by the concrete anchor bolt manufacturer. It is very important the anchor bolts be installed correctly to ensure bracket capacity.

AP-2 UNDERFOOTING BRACKET

Pier Size	Anchor Bolt Type*	Anchor Bolt Diameter (in)	Minimum Embedment (in)	Pullout Capacity in 2500 psi concrete, min (lb)	Anchor Bolts per Bracket
2875	Expansion Anchor	1/2	3-1/2	7250	2
3500/4000	Expansion Anchor	1/2	3-1/2	7250	2
4500	Expansion Anchor	1/2	3-1/2	7250	4

*Hilti Kwik Bolt II Expansion Anchors or equivalent

AP-2 PLATE PIER BRACKET

Pier Size	Anchor Bolt Type*	Anchor Bolt Diameter (in)	Minimum Embedment (in)	Pullout Capacity in 2500 psi concrete, min (lb)	Anchor Bolts per Bracket
2875	Expansion Anchor	1	6	20,500	6
3500/4000	Expansion Anchor	1	6	20,500	6
4500	Expansion Anchor	1	6	20,500	8

*Hilti Kwik Bolt II Expansion Anchors or equivalent

AP-2 PRE-DRILL BRACKET

Pier Size	Anchor Bolt Type*	Anchor Bolt Diameter (in)	Minimum Embedment (in)	Pullout Capacity in 2500 psi concrete, min (lb)	Anchor Bolts per Bracket
2875	Expansion Anchor	1/2	3-1/2	7250	4
3500/4000	Expansion Anchor	1/2	3-1/2	7250	4
4500	Expansion Anchor	1/2	3-1/2	7250	4

*Hilti Kwik Bolt II Expansion Anchors or equivalent

AP-2 CONTINUOUS LIFT BRACKET

Pier Size	Anchor Bolt Type*	Anchor Bolt Diameter (in)	Minimum Embedment (in)	Pullout Capacity in 2500 psi concrete, min (lb)	Anchor Bolts per Bracket
2875	Expansion Anchor	1/2	3-1/2	7250	4
3500/4000	Expansion Anchor	1/2	3-1/2	7250	4

*Hilti Kwik Bolt II Expansion Anchors or equivalent

