

## KCCAB CRACKED CONCRETE WEDGE TYPE SEISMIC ANCHOR DATA

Table P10.2.4-1; Model KCCAB Anchor Capacities – Standard Embedment in 3,000 psi Normal Weight Concrete

Anchor Size (in)	Pilot Hole Depth (in)	Anchor Embedment (in)	Allowable Tensile Load (ASD) (lbs)	Allowable Combined Load (ASD) (lbs)	Allowable Shear Load (ASD) (lbs)	Critical Anchor Spacing (in)	Critical Anchor Edge Distance (in)	Minimum Concrete Thickness (in)
3/8	2 5/8	2	808	567	922	6	4 3/8	4
1/2	4	3 1/4	1,750	1,251	2,082	9 3/4	7 1/2	6
5/8	4 3/4	4	2,079	1,675	3,430	12	9	6
3/4	5 3/4	4 3/4	3,133	2,525	5,177	14 1/4	11 3/4	8

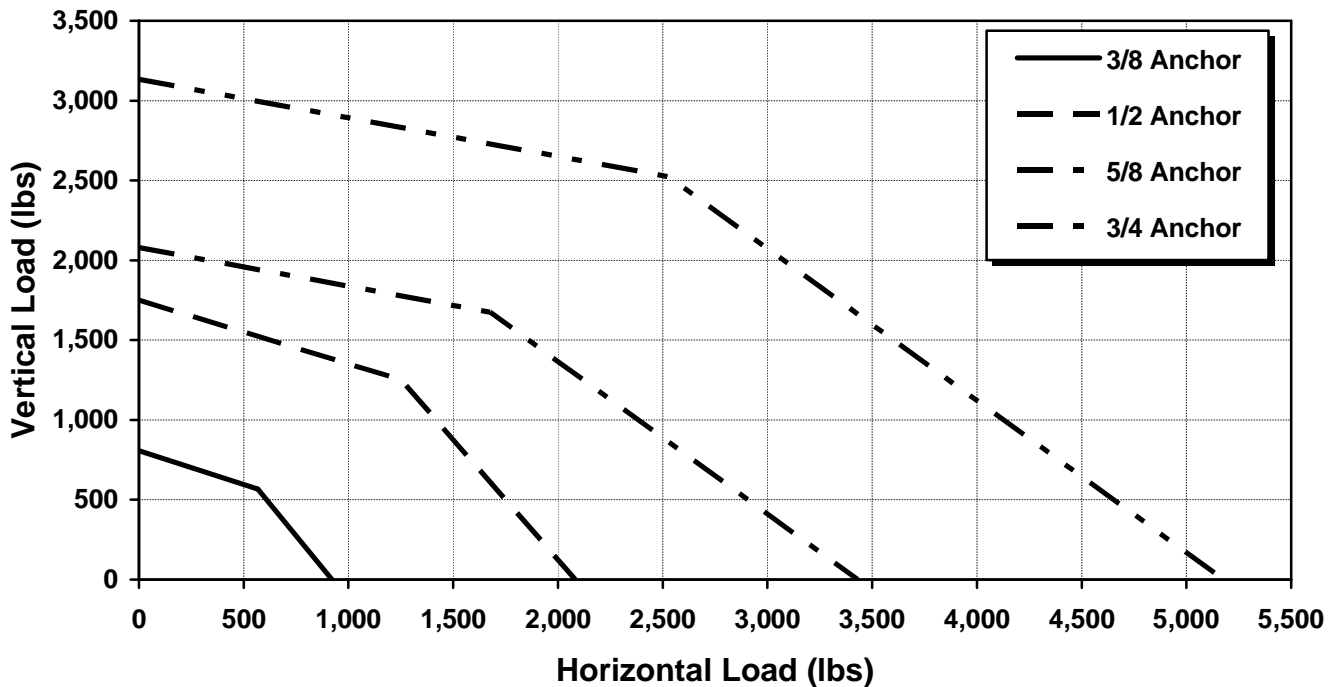


Figure P10.2.4-1; Seismic Capacity Envelopes for Model KCCAB Concrete Anchors with Standard Embedment

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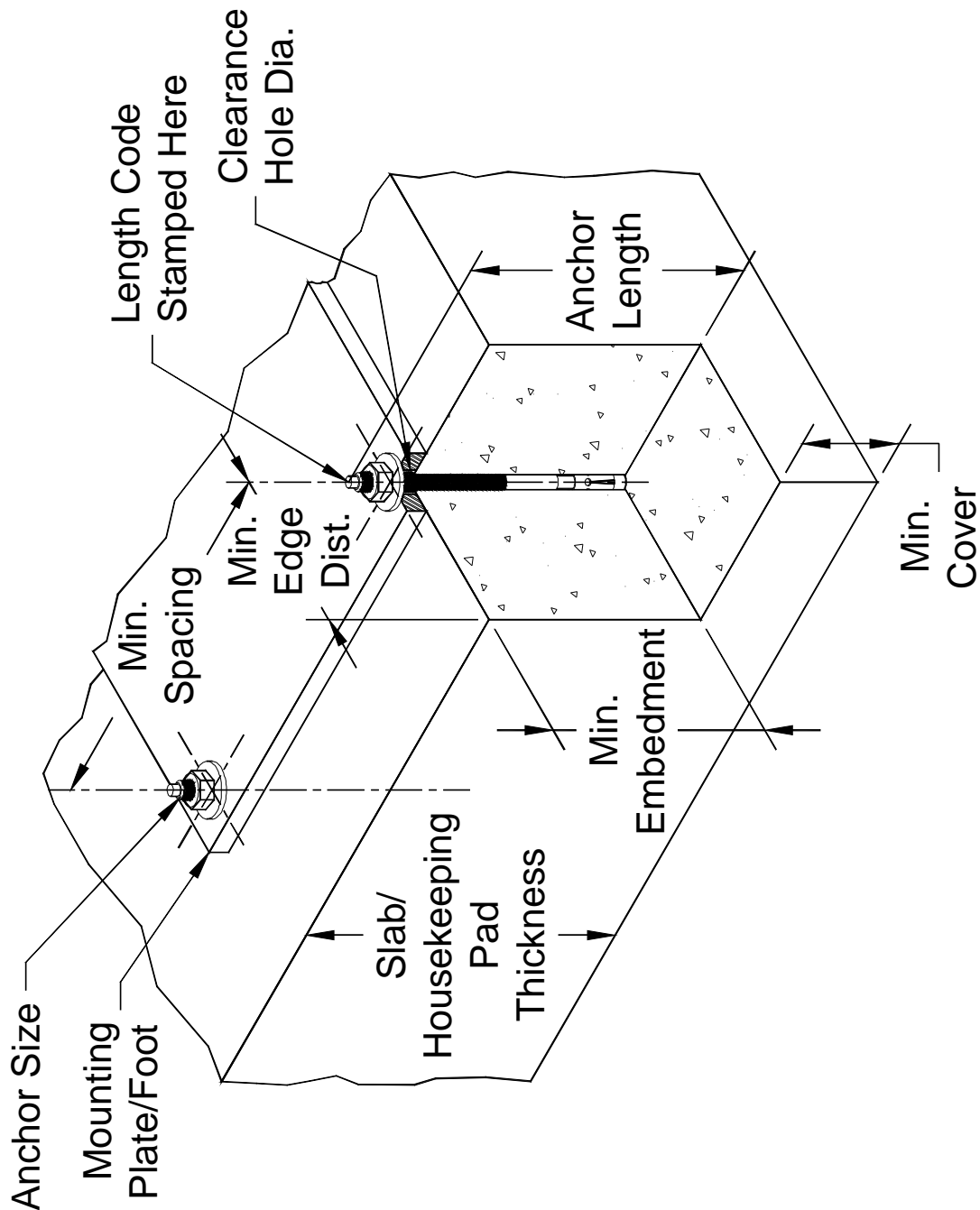


Figure P10.2.4-2; KCCAB Cracked Concrete Seismic Anchor Installation Guide

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**Table P10.2.4-2: Anchor Length by Length Code Stamp (Anchor Size Independent)**

Length Code Stamp	Anchor Length (in)		Length Code Stamp	Anchor Length (in)
A	1.5 up to 2.0		M	7.5 up to 8.0
B	2.0 up to 2.5		N	8.0 up to 8.5
C	2.5 up to 3.0		O	8.5 up to 9.0
D	3.0 up to 3.5		P	9.0 up to 9.5
E	3.5 up to 4.0		Q	9.5 up to 10.0
F	4.0 up to 4.5		R	10.0 up to 11.0
G	4.5 up to 5.0		S	11.0 up to 12.0
H	5.0 up to 5.5		T	12.0 up to 13.0
I	5.5 up to 6.0		U	13.0 up to 14.0
J	6.0 up to 6.5		V	14.0 up to 15.0
K	6.5 up to 7.0		W	15.0 up to 16.0
L	7.0 up to 7.5		-----	-----

**Table P10.2.4-3: Anchor Size vs. Tightening Torque for Standard Weight Concrete**

Anchor Size (in)	Anchor Tightening Torque (ft-lbs)
3/8	25.00
1/2	40.00
5/8	60.00
3/4	110.0

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