

Warning: Before ground anchor installation or probing, determine that the anchor or probe locations around the home will not be close to any underground utilities. Failure to determine the location of electrical lines may result in serious personal injury.

Instructions

1. Place tip of probe into ground where the anchor is to be located. Using a 15/16” hex socket with a ratchet, breaker bar, or electric drive machine, turn soil probe in a clockwise direction.
2. Rotate probe into the soil to a depth equal to the length of the recommended anchor to be installed.
3. To determine the soil classification:
 - a) Place wrench adapter onto torque wrench.
 - b) Insert hex portion of wrench adapter onto the top of the probe.
 - c) Support probe shaft with one hand while turning the probe steadily with the torque wrench.
Do not exceed 600 inch pounds when turning!
 - d) Read torque value while turning torque wrench and probe clockwise.
 - e) Use Minute Man Anchors’ Soil Classification Chart to cross reference probe readings and match the anchor model with the proper soil class at the site.

Soil Classification Chart

for Minute Man Anchors

Soil Class	Torque Probe Values	Recommended Minute Man Anchors & Stabilizers			
1	NA	Cross Drive or Rock Anchor			
	551 Inch	4430 DH	4636DH	636 DH	4450 DH
2	Pounds Up	4430 EZDH	4636 EZDH	636 EZDH	GW-2
		12” Stabilizer Plate		Nu-Concept Stabilizer Cap	
	351 to 550	4430 DH	4636 DH	636 DH	4450 DH
3	Inch Pounds	4430 EZDH	4636 EZDH	636 EZDH	GW-2
		12” Stabilizer Plate		Nu-Concept Stabilizer Cap	
4A	276 to 350	4636DH	4450 DH	650 DH	
	Inch Pounds	4636 EZDH	12” Stabilizer Plate	17” Stabilizer Plate	
4B	175 to 275	760 DH	860 DH	1060 DH	
	Inch Pounds	17” Stabilizer Plate			
5	Less Than 175	Call Minute Man Anchors			
	Inch Pounds	1-800-438-7277			

Note:
 Each state, county, municipality may require a specific anchor from the groups shown for each soil classification. Check local regulations before installation.
 Test soil with soil probe and torque wrench at the anchor location in order to match the proper anchor with soil soil classification.
 A stabilizer plate or certified stabilizing device must be used with DH anchors when the anchors are used to resist lateral loads.