

ANCHOR PULL TEST INFORMATION

Using ODT's Anchor Certifier (AC)

Oklahoma Design Technologies

| Date | Area | Customer Anchor Type | ODT Anchor |
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| 12/3/2010 | Cincinnati Ohio | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 4,200 | Pull out - 15,000 |
| | | Advertised pull out is 17,500 | Advertised pull out is 14,300 |
| 12/10/2010 | Denton Texas | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 4 Soil | Class 4 Soil |
| | | Pull out - 12,000 | Pull out - 19,500 |
| | | Advertised pull out is 22,500 | Advertised pull out is 18,416 |
| 5/4/2011 | Grand Junction Colorado | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 3,800 | Pull out - 17,500 |
| | | Advertised pull out is 17,500 | Advertised pull out is 14,300 |
| 5/12/2012 | Lincoln Nebraska | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 6 Soil | Class 6 Soil |
| | | Pull out - 1,700 | Pull out - 15,500 |
| | | Advertised pull out - 14,500 | Advertised pull out is 10,400 |
| | | 10" Double Helix - 8' Rod | |
| | | Class 6 Soil | |
| | | Pull out - 3,000 | |
| Advertised pull out - 23,000 | | | |
| 6/13/2012 | Denver Colorado | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 3 Soil | Class 3 Soil |
| | | Pull out - 4,100 | Pull out - 24,000 |
| | | Advertised pull out is 27,000 | Advertised pull out is 22,532 |
| 11/30/2010 | Indianapolis Indiana | 8" Helix - 8' Rod | STAD 4432 |
| | | Class 6 Soil | Class 6 Soil |
| | | Pull out - 3,000 | Pull out - 15,500 |
| | | Advertised pull out is 9,000 | Advertised pull out is 10,400 |
| | | 12" Helix - 8' Rod | |
| | | Class 6 Soil | |
| | | Pull out - 7,000 | |
| Advertised pull out - 18,000 | | | |
| 12/1/2010 | Lansing Michigan | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 4,200 | Pull out - 16,500 |
| | | Advertised pull out is 17,500 | Advertised pull out is 14,300 |
| 12/2/2010 | Evansville Indiana | 8" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 3,500 | Pull out - 17,500 |
| | | Advertised pull out is 12,000 | Advertised pull out is 14,300 |
| | | Double 10" Helix - 8' Rod | |
| | | Class 5 Soil | |
| Pull out - 7,500 | | | |
| Advertised pull out - 27,500 | | | |

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| 8/21/2012 | Lawton, Oklahoma | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 4,200 | Pull out - 17,000 |
| | | Advertised pull out is 17,500 | Advertised pull out is 14,300 |
| 8/26/2010 | Monroe Louisiana | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 3,600 | Pull out - 16,300 |
| | | Advertised pull out is 17,500 | Advertised pull out is 14,300 |
| 6/17/2012 | Ocala Florida | Triple 14" Helix - 12' Rod | STAD 4432 |
| | | Class 6 Soil | Class 6 Soil |
| | | Pull out - 12,000 | Pull out - 12,000 |
| | | Advertised pull out - 42,000 | Advertised pull out is 10,400 |
| 11/15/2013 | Kyle, Texas | 8" Bust Anchor - 8' Rod Buried for 2 years | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 6,000 | Pull out - 17,000 |
| | | Advertised pull out is 18,000 | Advertised pull out is 14,300 |
| | | 8" Bust Anchor - 8' Rod | STAD 5542 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 10,000 | Pull out - 22,000 |
| | | Advertised pull out is 18,000 | Advertised pull out is 17,160 |
| | | 8" Bust Anchor - 8' Rod | |
| | | Class 5 Soil | |
| | | Pull out - 9,000 | |
| | | Advertised pull out is 18,000 | |
| | | 10" Bust Anchor - 8' Rod | |
| | | Class 5 Soil | |
| | | Pull out - 6,000 | |
| | | Advertised pull out is 21,000 | |
| 12/19/2013 | Johnson City, New York | 8" Helix - 8' Rod | STAD 5542 |
| | | Class 1 Soil | Class 1 Soil |
| Note: Anchor could only be installed 4' deep due to frost line and Class 1 soil | | Pull out - 6,200 | Pull out - 32,000 |
| | | Advertised pull out is 36,000 | Advertised pull out is 29,000 |
| 12/20/2013 | Rochester, New York | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 3,600 | Pull out - 18,500 |
| | | Advertised pull out is 17,500 | Advertised pull out is 14,300 |
| | | | STAD 5542 |
| | | | Class 5 Soil |
| | | | Pull out - 24,000 |
| | | | Advertised pull out is 17,160 |
| 3/5/2014 | Muenster, Texas | 8" Helix - 7' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 11,000 | Pull out - 18,500 |
| | | Advertised pull out is 12,000 | Advertised pull out is 14,300 |
| | | 8" Bust Anchor - 8' Rod | STAD 5542 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 16,000 | Pull out - 18,000 |
| | | Advertised pull out is 18,000 | Advertised pull out is 17,160 |

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| 10/15/2014 | York, Nebraska | | STAD 4432 |
| | | | Class 5 Soil |
| | | | Pull out - 18,000 |
| | | | Advertised pull out is 14,300 |
| 10/21/2014 | Sacramento, California | 12" Helix - 8' Rod | STAD 4432 |
| | | Class 3 Soil | Class 3 Soil |
| | | Pull out - 20,000 | Pull out - 21,000 |
| | | Advertised pull out - 33,000 | Advertised pull out is 22,532 |
| | | 8" Helix - 8' Rod | |
| | | Class 3 Soil | |
| | | Pull out - 18,000 | |
| | | Advertised pull out is 23,000 | |
| 10/23/2014 | Truckee/Donner, California | 4" x 4" Rock Anchor - 7' Rod | STAD 4432 |
| | | Class 2 Soil | Class 2 Soil |
| | Note: Anchor could only be installed 4' deep due to Class 2 soil | Pull out - 20,000 | Pull out - 17,000 |
| | | Advertised pull out is 36,220 | Advertised pull out is 14,300 |
| 2/11/2015 | Austin, Texas | Double 10" Helix - 8' Rod | STAD 6653 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 24,000 | Pull out - 20,000 |
| | | Advertised pull out - 22,500 | Advertised pull out is 20,592 |
| | | 8" Helix - 8' Rod | STAD 4432 |
| | | Class 6 Soil | Class 6 Soil |
| | | Pull out - 16,000 | Pull out - 10,000 |
| | | Advertised pull out is 17,500 | Advertised pull out is 10,400 |
| 2/13/2015 | Colcord, Oklahoma | 10" Helix - 8' Rod | STAD 5542 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 1,200 | Pull out - 18,000 |
| | | Advertised pull out is 17,500 | Advertised pull out is 17,160 |
| 7/26/2015 | Tallahassee, Florida | 8" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 7,200 | Pull out - 19,000 |
| | | Advertised pull out is 12,000 | Advertised pull out is 14,300 |
| 7/26/2015 | Live Oak, Florida | Double 8/10" Helix - 12' Rod | STAD 4432 |
| | | Class 6 Soil | Class 6 Soil |
| | | Pull out - 6,000 | Pull out - 16,000 |
| | | Advertised pull out is 16,000 | Advertised pull out is 10,400 |
| 7/27/2015 | Keystone Heights, Florida | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 6 Soil | Class 6 Soil |
| | | Pull out - 9,000 | Pull out - 10,000 |
| | | Advertised pull out is 14,500 | Advertised pull out is 10,400 |
| | | | STAD 55432 |
| | | | Class 6 Soil |
| | | | Pull out - 17,500 |
| | | | Advertised pull out is 17,472 |
| 7/27/2015 | Gainesville, Florida | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 6,000 | Pull out - 18,200 |
| | | Advertised pull out is 17,500 | Advertised pull out is 14,300 |

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| 7/27/2015 | Leesburg, Florida | Double 10/10" Helix - 8' Rod | STAD 4432 |
| | | Class 6 Soil | Class 6 Soil |
| | | Pull out - 18,000 | Pull out - 12,800 |
| | | Advertised pull out is 23,000 | Advertised pull out is 10,400 |
| | | 10" Helix - 6' Rod | |
| | | Class 6 Soil | |
| | | Pull out - 10,400 | |
| | | Advertised pull out is 14,500 | |
| 7/29/2015 | Tampa, Florida | 10" Helix - 8' Rod | STAD 4432 |
| | | Class 6 Soil | Class 6 Soil |
| | | Pull out - 14,800 | Pull out - 11,200 |
| | | Advertised pull out is 14,500 | Advertised pull out is 10,400 |
| | | | STAD 55432 |
| | | | Class 6 Soil |
| | | | Pull out - 18,300 |
| | | | Advertised pull out is 17,472 |
| 5/7/2018 | Delta, Colorado | Double 8" Helix - 8' Rod | STAD 55432 |
| | | Class 7 Soil | Class 7 Soil |
| | | Pull out - 4,000 | Pull out - 14,000 |
| | | Advertised pull out is 14,000 | Advertised pull out is 16,050 |
| 8/14/2018 | York, Nebraska | 10" Helix - 8' Rod | STAD 55432 |
| | | Class 5 Soil | Class 5 Soil |
| | | | Pulled to 22,000 lbs - max pull on machine and the anchor did not move |
| | | Pull out - 1,000 | |
| | | Advertised pull out is 17,500 | Advertised pull out is 29,904 |
| 8/15/2018 | Fort Morgan, Colorado | 10" Triple Helix - 8' Rod | STAD 4432 |
| | | Class 7 Soil | Class 7 Soil |
| | | Pull out - 2,700 | Pull out - 11,000 |
| | | Advertised pull out is 26,000 | Advertised pull out is 5,200 |
| 8/24/2018 | Binger, Oklahoma | 8" Helix - 8' Rod | STAD 55432 |
| | | Class 6 Soil | Class 6 Soil |
| | | | Pulled to 22,000 lbs - max pull on machine and the anchor did not move |
| | | Pull out - 3,800 | |
| | | Advertised pull out is 9,000 | Advertised pull out is 24,335 |
| 9/11/2018 | Great Falls, Montana | This pull test was at the MECA show. The anchor was installed in the parking lot then pulled with the AC. There was no other anchor installed to pull against. | STAD 55432 |
| | | | Class 7 Soil |
| | | | Pulled to 22,000 lbs - max pull on machine and the anchor did not move |
| | | | Advertised pull out is 16,050 |

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| 9/18/2018 | Duncan, Oklahoma | 10" Helix - 8' Rod | STAD 55432 |
| | | Class 7 Soil | Class 7 Soil |
| | | Pull out - 2,700 | Pull out - 15,000 |
| | | Advertised pull out is 10,000 | Advertised pull out is 16,050 |
| | | | STAD 4432 |
| | | | Class 7 Soil |
| | | | Pulled to 22,000 lbs - max pull on machine and the anchor did not move. |
| | | | Advertised pull out is 5,200 |
| 9/20/2018 | Stillwater, Oklahoma | 10" Helix - 8' Rod | This pull test was at a lineman's rodeo on an existing anchor. An ODT anchor was not installed due to no current locates. |
| | | Class 3 Soil | |
| | | Pull out - 10,000 | |
| | | Advertised pull out is 34,000 | |
| 10/4/2018 | Stillwater, Oklahoma | 8" Bust Anchor | STAD 55432 |
| | | Class 5 Soil | Class 5 Soil |
| | | | Pulled to 22,000 lbs - max pull on machine and the anchor did not move. |
| | | Pull out - 3,800 | Advertised pull out is 29,904 |
| | | Advertised pull out is 18,000 | Advertised pull out is 29,904 |
| 10/10/2018 | Littleton, Massachusetts | 14" Helix - 8' Rod | STAD 55432 |
| | | Class 5 Soil | Class 5 Soil |
| | | Pull out - 3,800 | Pulled to 22,000 lbs - max pull on machine and the anchor did not move. |
| | | This anchor was in a training yard and had been in the ground for 5 years. | |
| | | Advertised pull out is 28,000 | |
| | | | Advertised pull out is 29,904 |
| 10/11/2018 | Syracuse, New York | 14" Helix - 8' Rod | STAD 55432 |
| | | Class 2 Soil | Class 2 Soil |
| | | Pull out - 2,000 | Pulled to 22,000 lbs - max pull on machine and the anchor did not move. Anchor installed in a compacted gravel training yard. |
| | | This anchor was in a training yard and had been in the ground for 10 years. | |
| | | Advertised pull out is 45,000 | |
| | | | Advertised pull out is 47,536 |
| 11/6/2018 | Forth Worth, Texas | 8" Bust Anchor | STAD 55432 |
| | | Class 6 Soil | Class 6 Soil |
| | | | Pulled to 22,000 lbs - max pull on machine and the anchor did not move. |
| | | Pull out - 800 | Advertised pull out is 24,335 |
| | | Advertised pull out is 15,000 | Advertised pull out is 24,335 |
| 11/8/2018 | Edmond, Oklahoma | 12" Bust Anchor | STAD 55432 |
| | | Class 5 Soil | Class 5 Soil |
| | | | Pulled to 22,000 lbs - max pull on machine and the anchor did not move. |
| | | Pull out - 16,500 | Advertised pull out is 24,335 |
| | | Advertised pull out is 26,500 | Advertised pull out is 24,335 |