



Model 715 Helical Anchor System Installation Pressure Load Capacity Chart

The purpose of this data is to provide a general idea of the correlation between the hydraulic pressure of the hydraulic power unit monitored during the installation of the anchor and the tensile load capacity of the anchor.

In order to insure data accuracy, the hydraulic pressure gauge must be calibrated. Hydraulic fluid should be kept clean and free of debris and be kept at the coolest temperature possible during the installation process. All hydraulic equipment including hoses, fittings and valves should be kept clean and free of debris. Failure to maintain any or all of the above will adversely affect the installation pressure readings and subsequently the related tensile load capacities.

In order to insure exact tensile load capacities DSMS recommends that a confirmation load test be performed on an installed DSMS Anchor for each project, instructions and equipment for performing the load testing is available upon request.

DSMS recommends that an engineer perform a geotechnical evaluation of the soils at the intended installation site prior to installation of the DSMS Anchors to verify the installation horizon of the anchor.

<u>Installation Pressure (psi)</u>	<u>Ultimate Applied Load (kips)*</u>
2000	25
1900	20
1800	18
1700	17
1600	16
1500	15
1400	14
1300	13
1200	12
1100	11
1000	10
900	9
800	8
700	7
600	6
500	5
400	4

*A minimum safety factor of 1.5 or greater should be utilized when using DSMS anchors.