

# ENGINEERING REPORT

**PRODUCT:** Bezdán Cable Through-Post, Spring-Loaded Jaw

**EVALUATION STANDARDS:** Cable Pull Test Conducted to Client Test Specifications

**DATE:** February 6, 2024

The cables were installed into each fitting per the client's installation instructions, and then installed into each 1 ft. post section. Each assembled test sample was secured rigidly in an Instron universal testing machine, and the loose cable was attached to a universal grip. The cable rail system was loaded at a rate of 0.15 in./min until the maximum load was achieved. The maximum load and the mode of failure were reported.

Testing has been completed and results can be found in Table 1 below. A full set of test data can be found in Appendix A and photos of the testing can be found in Appendix B.

TABLE 1. TEST RESULTS		
PROPERTY	DESCRIPTION	AVERAGE LOAD
Cable Pull Test - Bezdán Through-Post Cable Components, Swageless, Spring-loaded, with Bezdán Stainless Steel Cable CR1600 Series, 1x19, LH Lay, Alloy 316 and 2 in. x 2 in. x 3 mm (0.118 in.) Stainless Steel Alloy 316L post sections	Design #1 Cable #1	2100 lbs
	Design #1 Cable #2	1901 lbs

If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact the undersigned.

**COMPLETED BY:** Chris Chang  
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Building & Construction



**SIGNATURE:**

**DATE:** 02/06/24

**REVIEWED BY:** Baldeep Sandhu  
Manager –  
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**DATE:** 02/06/24



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