



Test Report No: TR2017-021  
Date: 05/12/2017

## 2 in 1 Anchor

**QSI Safety**

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QSI laboratory tested the Safetor 2in1 Anchor provided for testing by Safetor Anchors, Collins Corporation Ltd in the Static Pull Test Rig at 15kN for 3 minutes & 21kN for 3 minutes

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## EXECUTIVE SUMMARY

- **Objectives**

The Safetor 2in1 Anchor was provided and tested in accordance with customer requests for product testing. The Safetor 2in1 Anchor was loaded to 15kN and held for 3 minutes and then loaded to 21kN and held for 3 minutes.



Figure 1

### Specimen

- **2in1 Anchor:**  
Fall-Arrest anchor point  
Abseil anchor point  
**Safetor Anchors, Collins Corporation Ltd**



Figure 2

### Equipment

The test was done on the QSI pull test rig used in conjunction with the A&D data acquisition software.

### TEST PROGRAM TABLE 1;

Designation / Attachment Points	Test	Description
The silo anchor was attached to the top and bottom of the static pull test rig	Static pull and hold	<b>TEST 1</b> Loaded to 15kN for 3 minutes <b>TEST 2</b> Loaded to 21kN for 3 minutes

### Assessment

#### Test number 1:- ST2017-79 (Static Pull Test)

#### Test number 2:- ST2017-80 (Static Pull Test)

The 2in1 anchor was placed in the static pull test rig and pulled between the top puller and the bottom puller. A load of 15kN was applied and held for 3 minutes followed by a further load of 21kN and held for 3 minutes.

Assessment: **Pass**- The 2in1 anchor was able to maintain the initial load of 15kN for 3 minutes and a further load of 21kN for 3 minutes successfully with only slight deformation.

#### During Testing Images

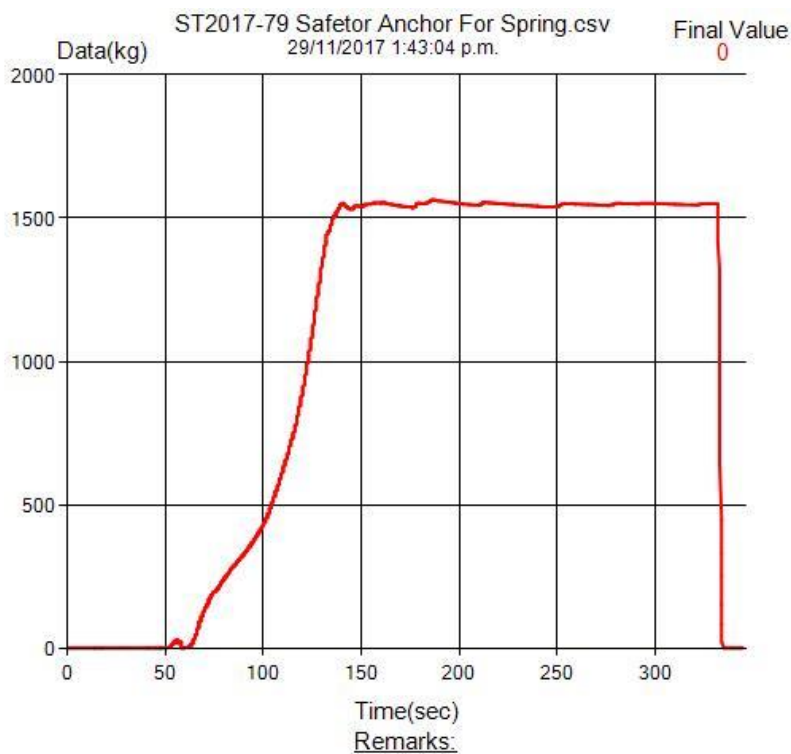


Post Testing Images



RESULTS TABLE

Test Number	Specimen Number	Supplied Webbing Breaking Strength	Conditioned/ Unconditioned	Load Applied	Time Load Applied for	Assessment
ST2017-79	2017/11/29-1	Not supplied	NA	15kN	3 minutes	Pass
ST2017-80	2017/11/29-1	Not supplied	NA	21kN	3 minutes	Pass



Graph 1



**Graph 2**

**Conclusion:**

- The 2in1 anchor was able to hold 15kN for 3 minutes and a further 21kN for 3 minutes successfully with only slight deformation of the anchor (see Post Testing Images).

**Conditions of report**

The test specimen(s) identified in this report was selected and supplied by the client. The results contained in this report are only applicable to the test specimen(s) supplied and tested.

The tests as indicated in Table 1 were conducted as instructed by **QSI** representatives.

The author of this report may not necessarily be the testing officer.

The checking officer is independent of the author and has only performed checks for the transfer, correctness and completeness of data and the comprehension of this report.