

Engineering Guide

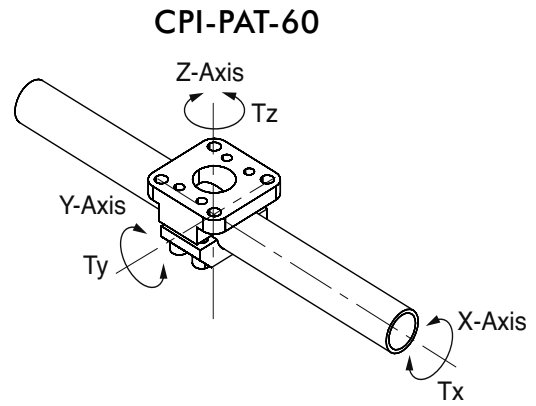
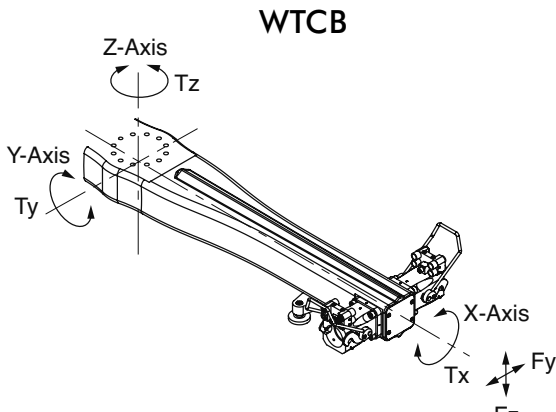
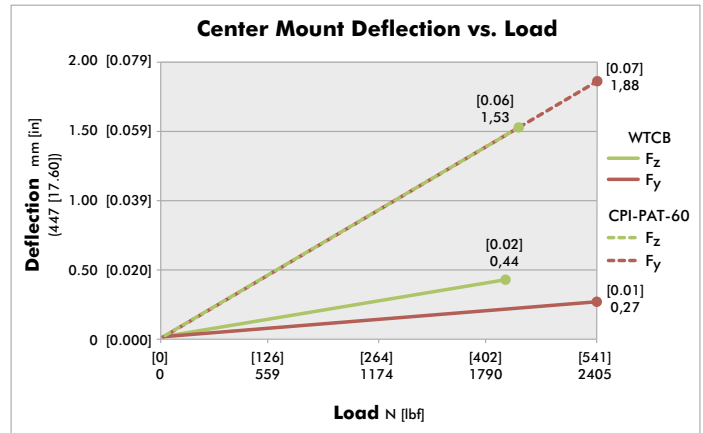
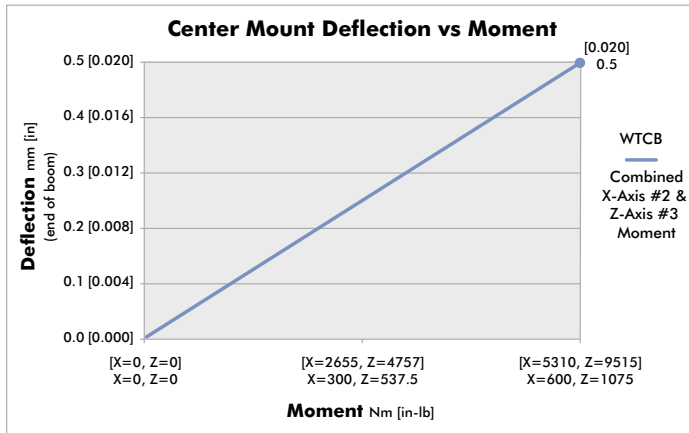
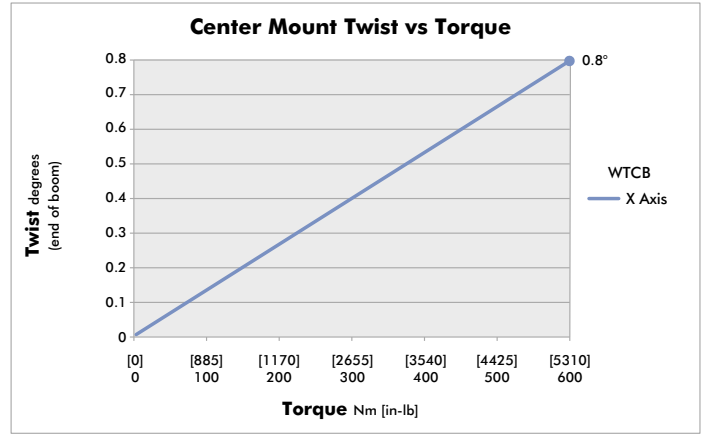
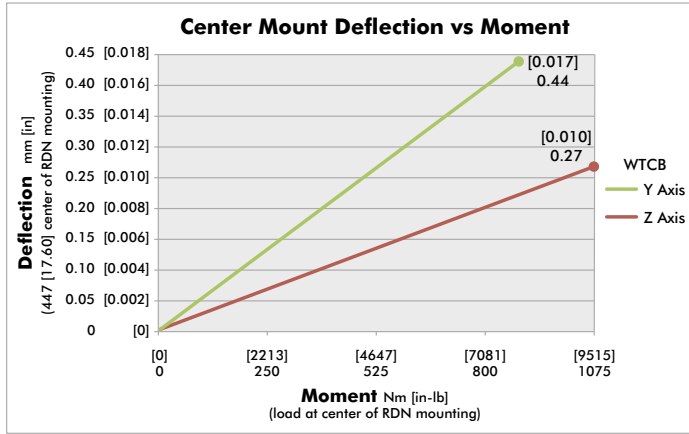
WTCB Series | World Tool Composite Booms



WORLD TOOL COMPOSITE BOOM - WTCB SERIES

Engineering Guide

WTCB 1000mm Center Mount



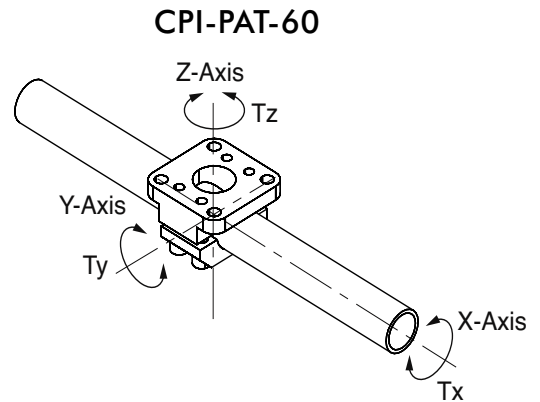
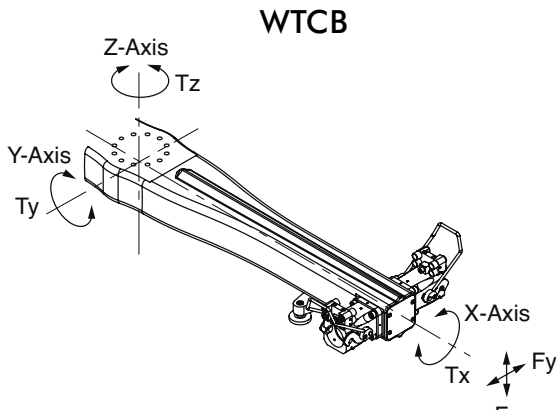
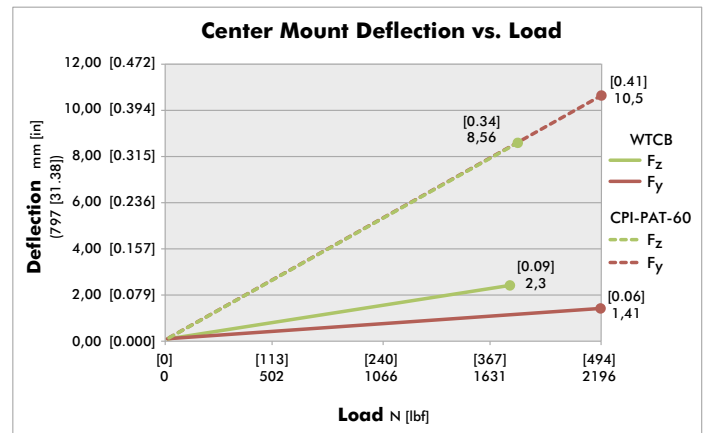
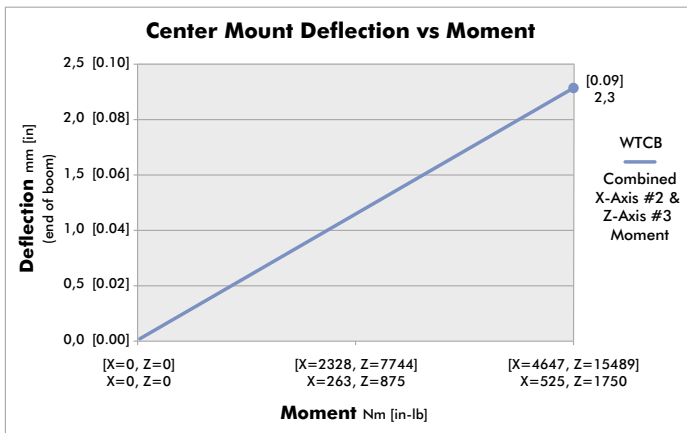
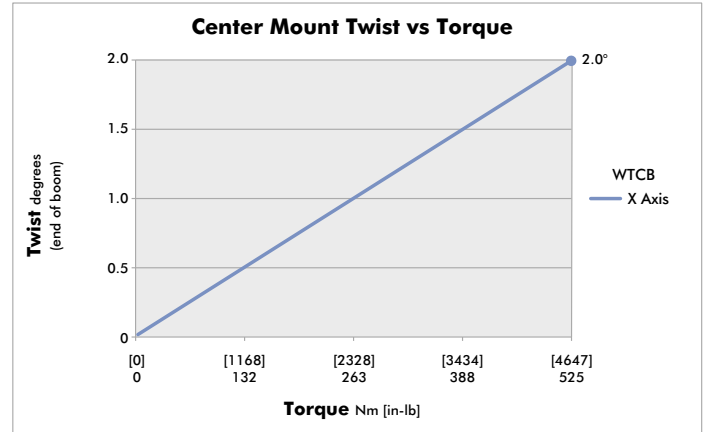
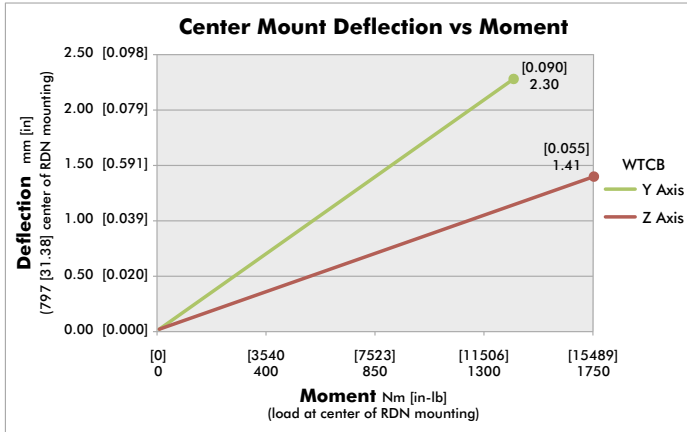
Notes:

1. Load specifications and deflection for 1/2 of the boom
2. Load specifications include tool changers, hanger bracket part, tooling and miscellaneous components

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WTCB 1700mm Center Mount



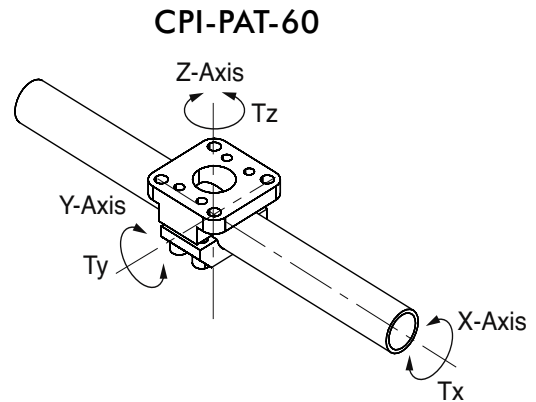
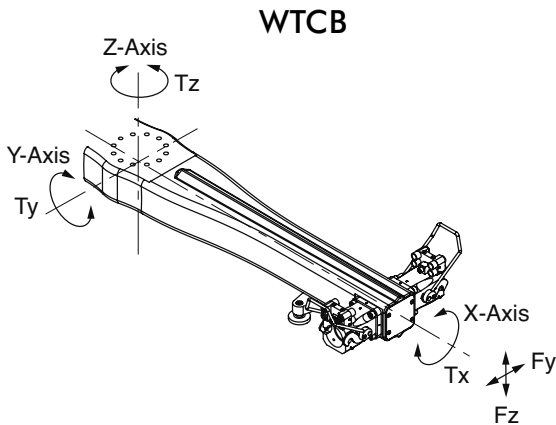
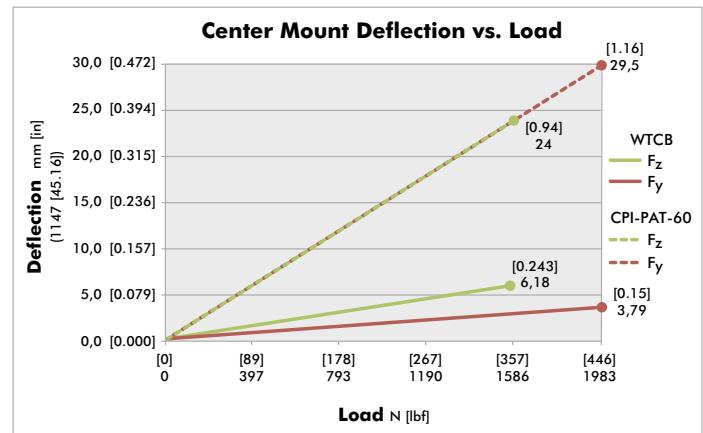
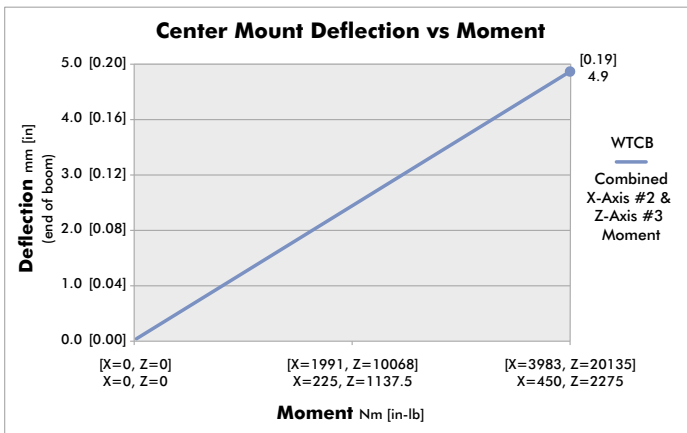
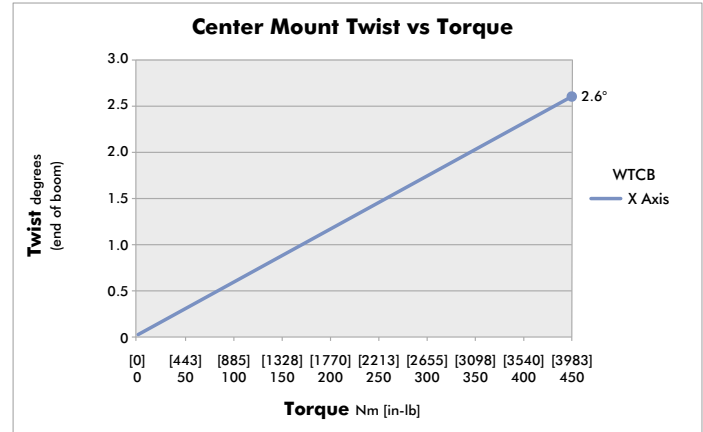
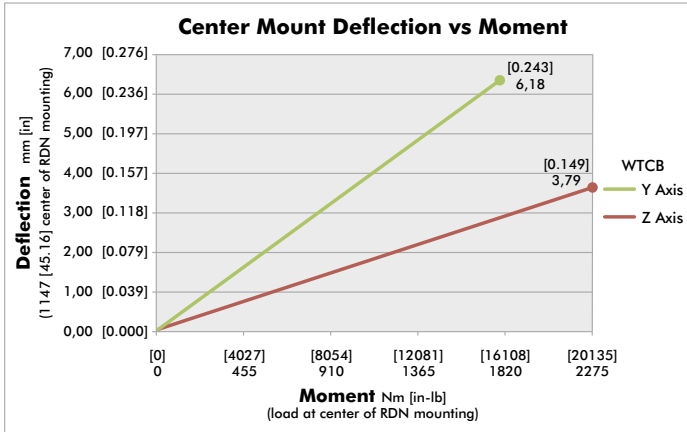
Notes:

1. Load specifications and deflection for 1/2 of the boom
2. Load specifications include tool changers, hanger bracket part, tooling and miscellaneous components

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WTCB 2400mm Center Mount



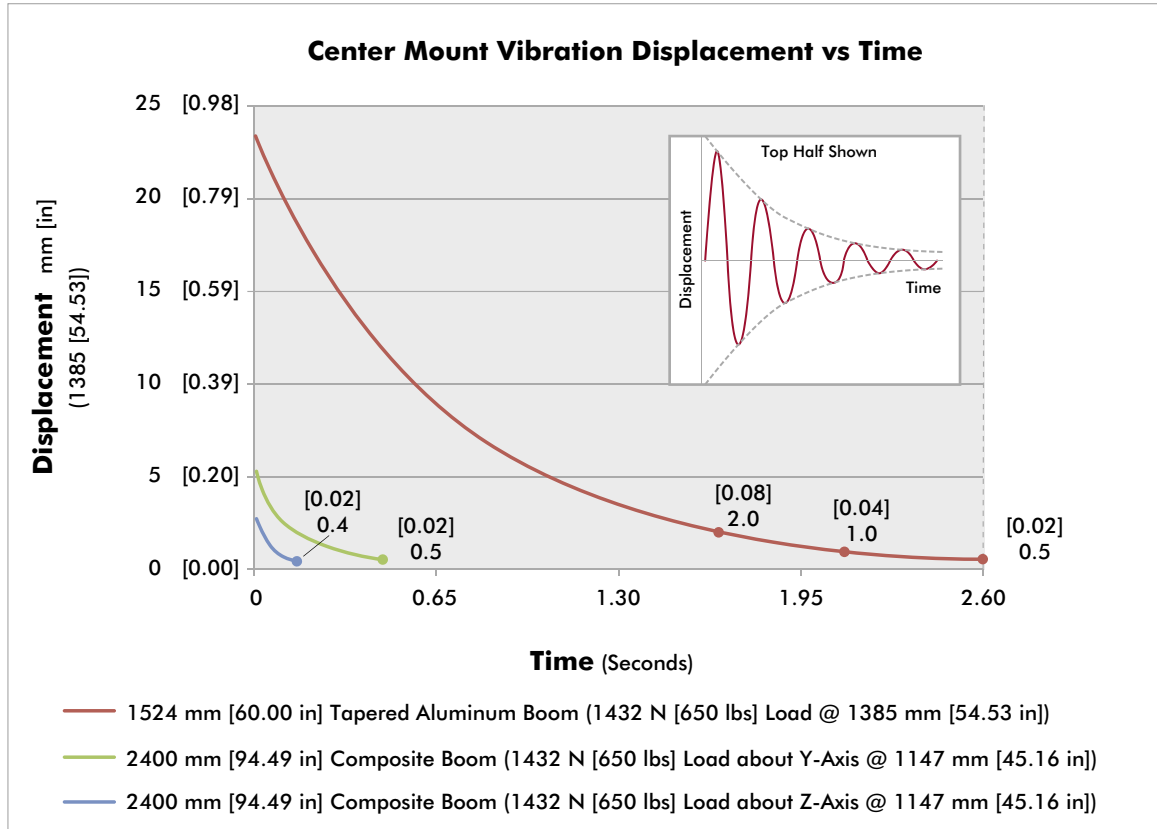
Notes:

1. Load specifications and deflection for 1/2 of the boom
2. Load specifications include tool changers, hanger bracket part, tooling and miscellaneous components

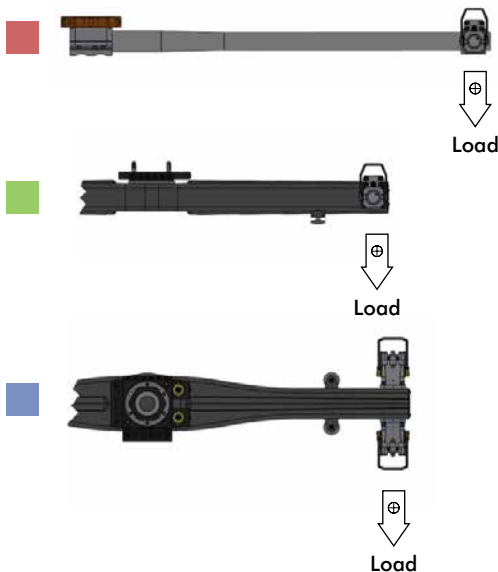
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Vibration Amplitude Over Time Log Fit Curve



- Notes:
1. Load specifications and deflection for 1/2 of the boom
 2. Part & Tooling Mass not included



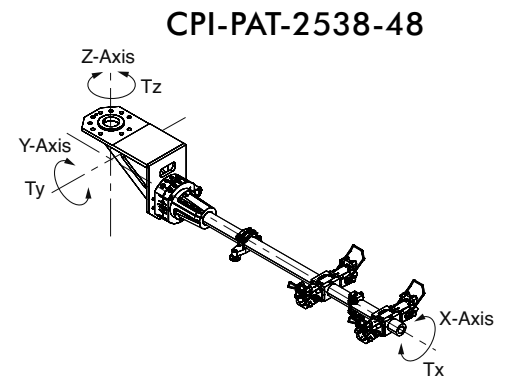
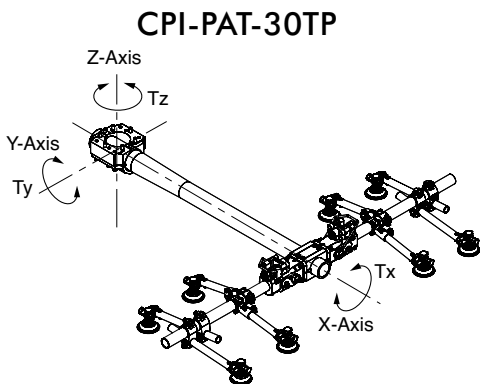
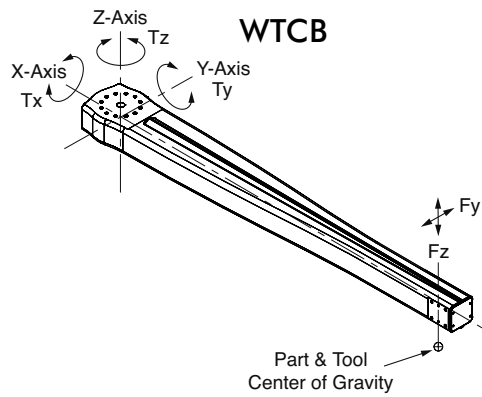
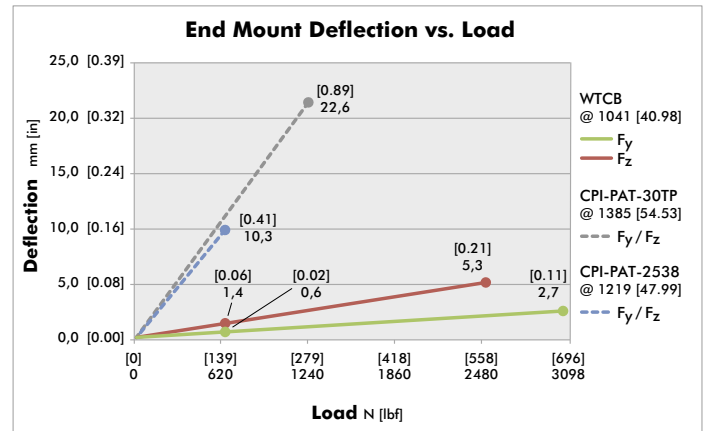
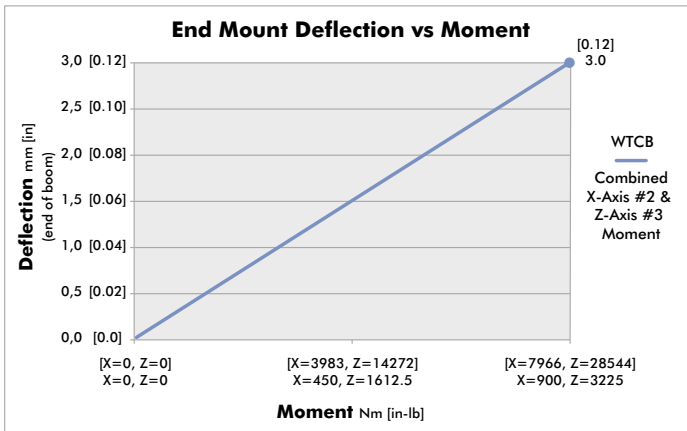
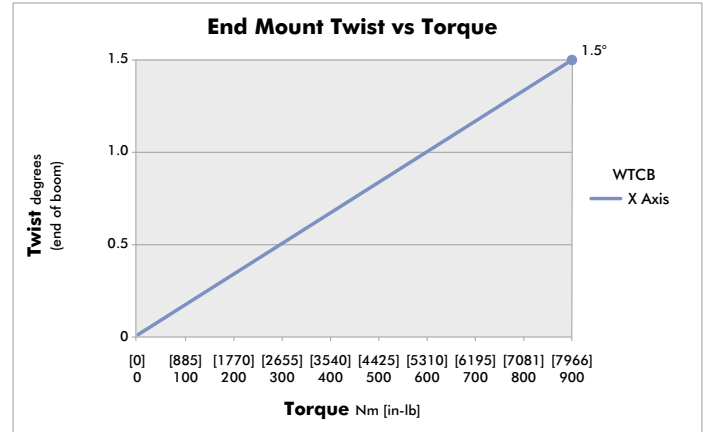
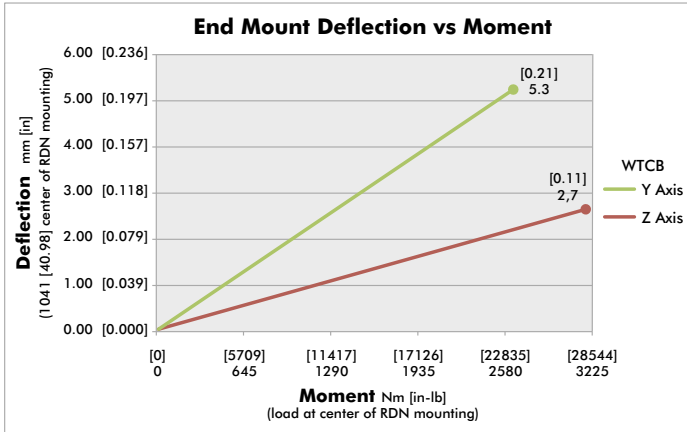
Available upon request

- Combined X + Z Axis Load Deflection Charts comparing to DESTACO's Standard Aluminum booms
- X-Axis Torque twist charts versus Destaco's Standard Aluminum booms
- Vibration periodic wave graph
- Moment load deflection charts

WORLD TOOL COMPOSITE BOOM - WTCB SERIES

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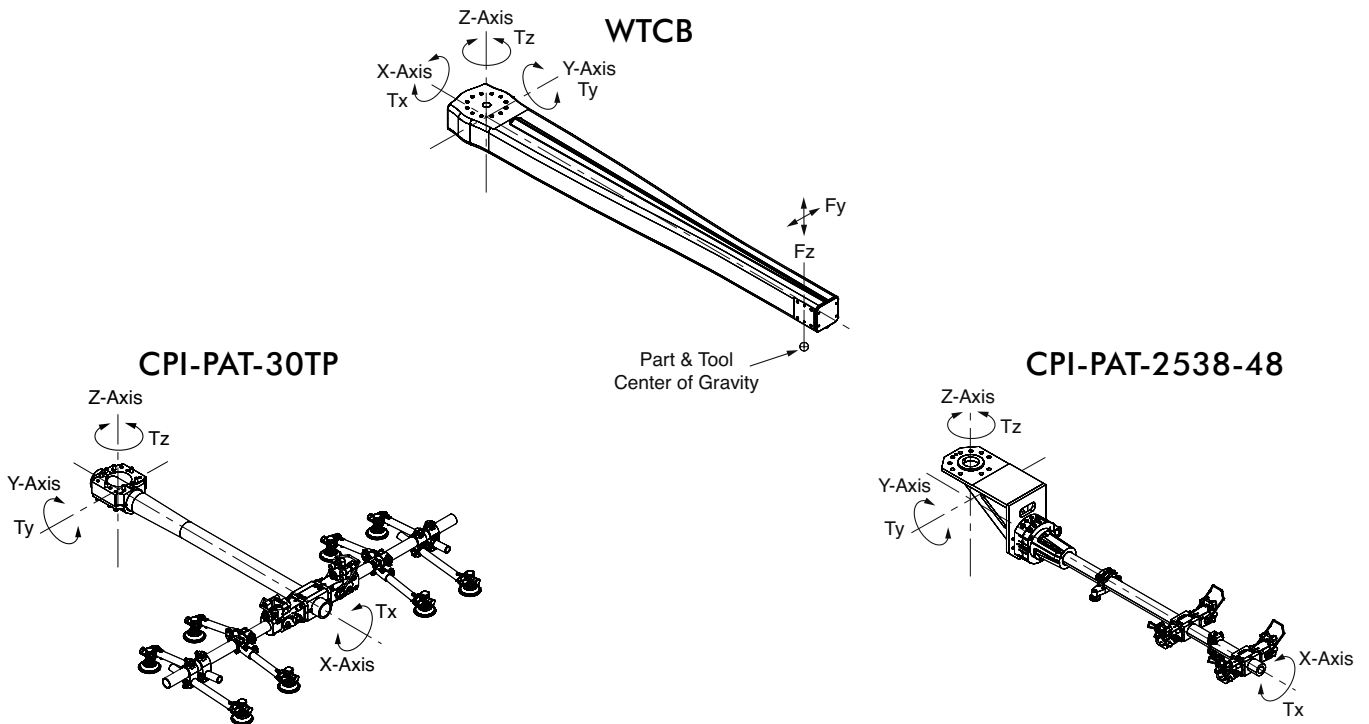
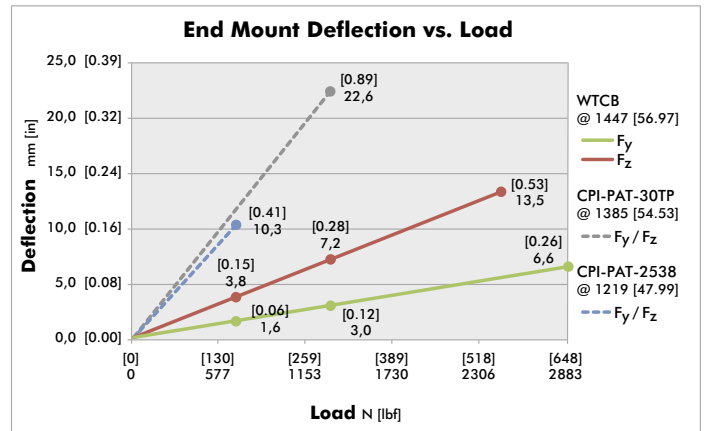
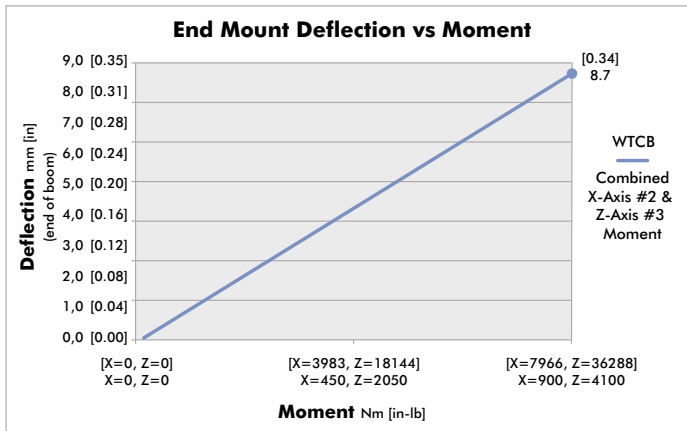
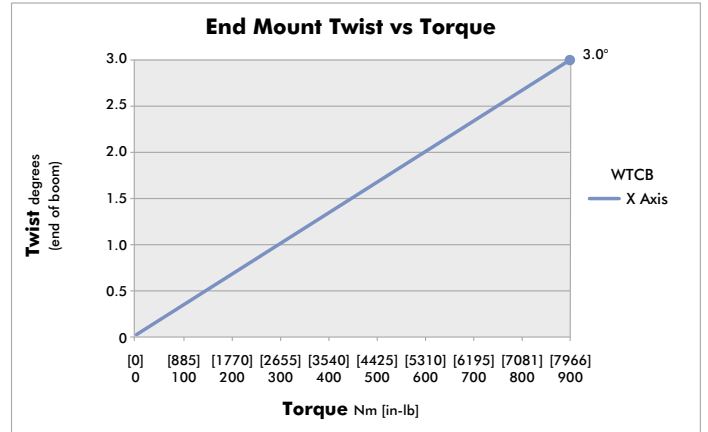
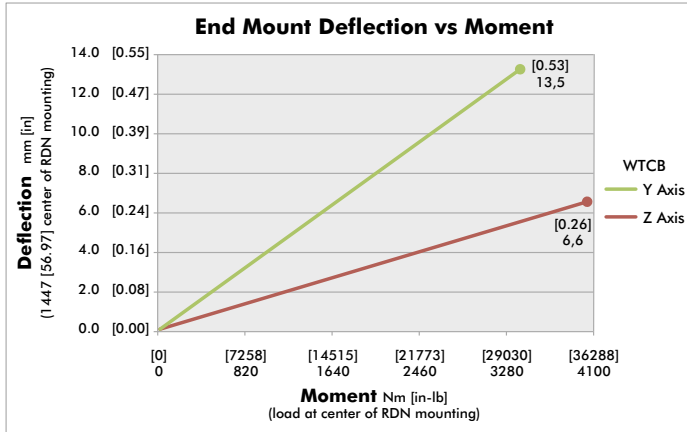
WTCB 1094mm End Mount



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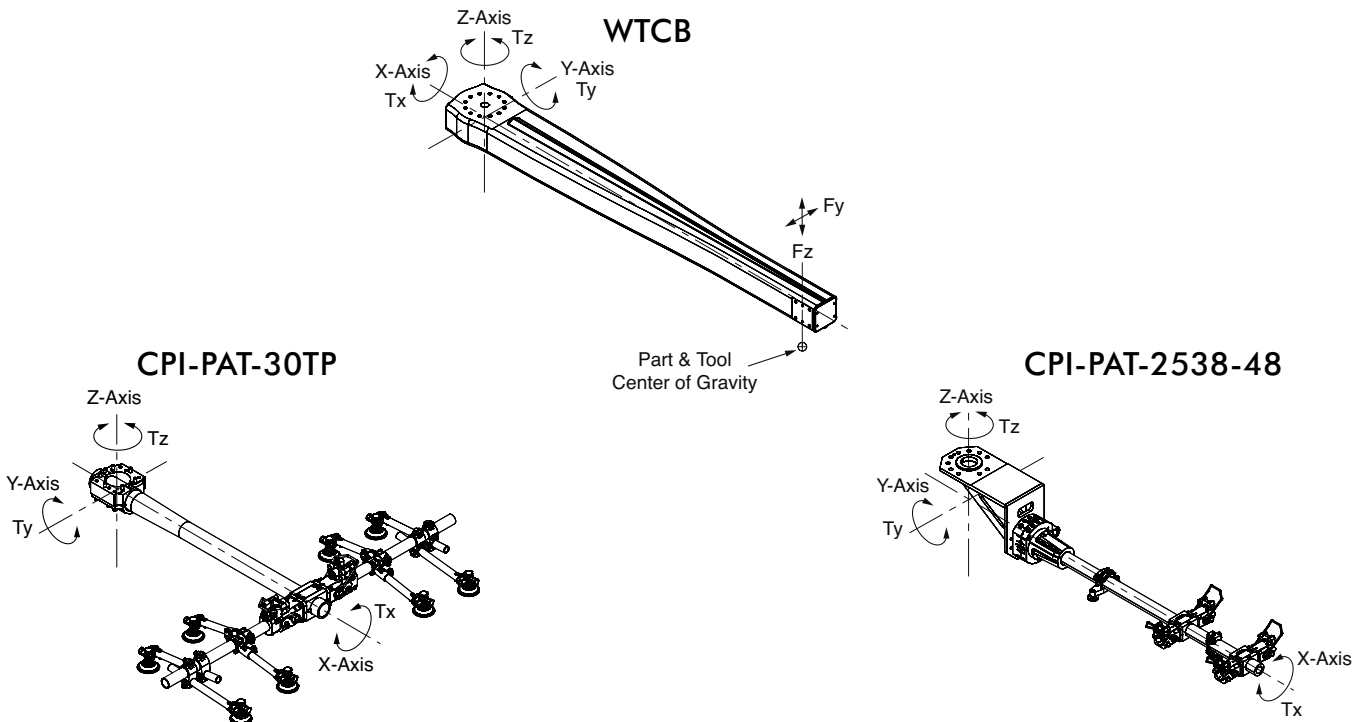
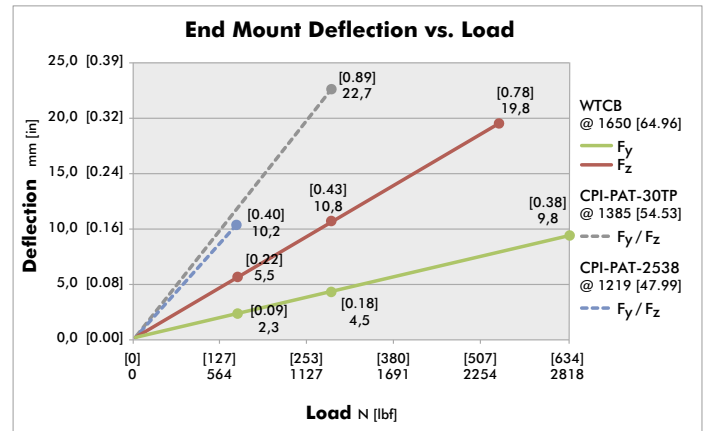
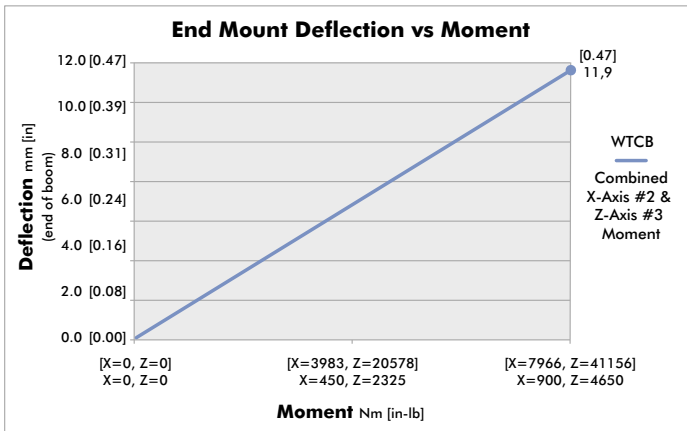
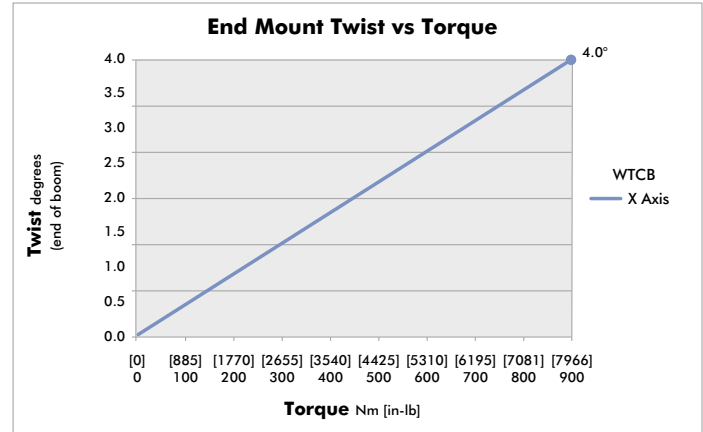
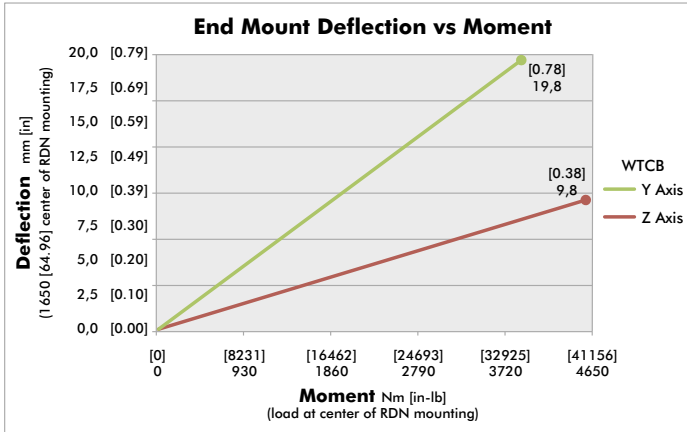
WTCB 1500mm End Mount



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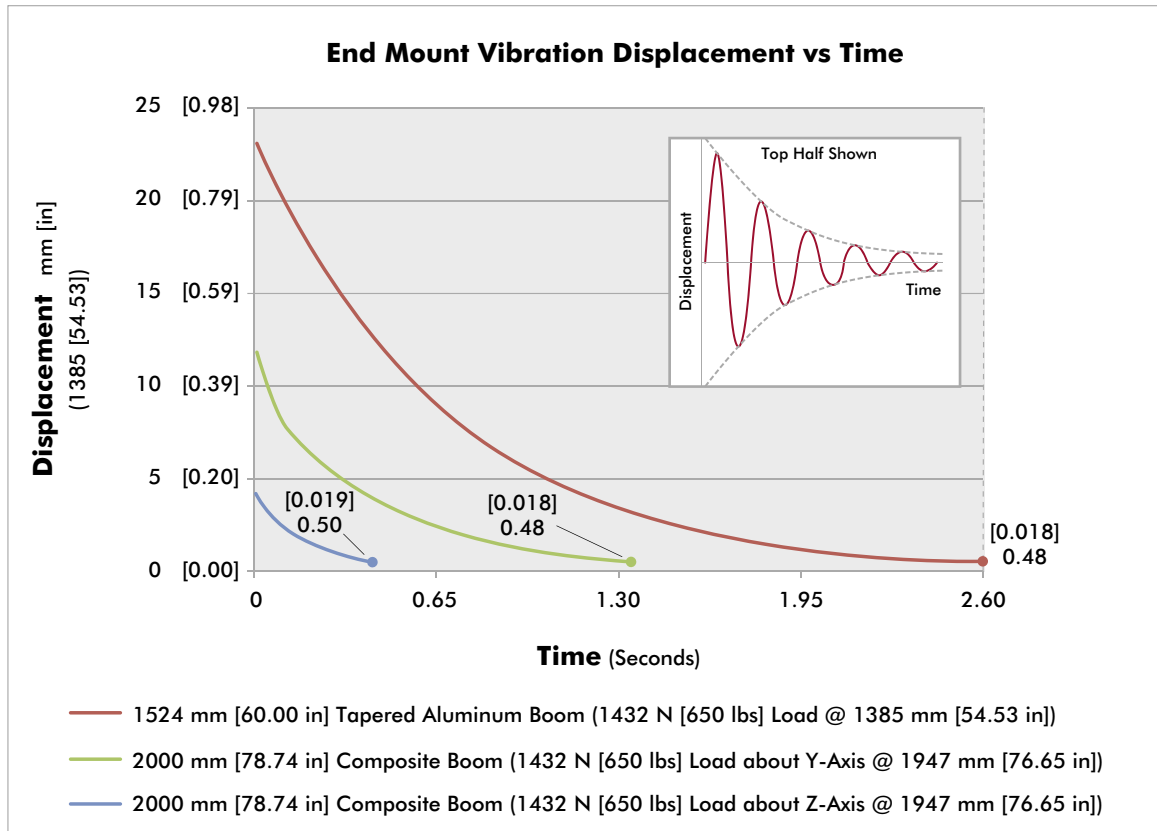
WTCB 1703mm End Mount



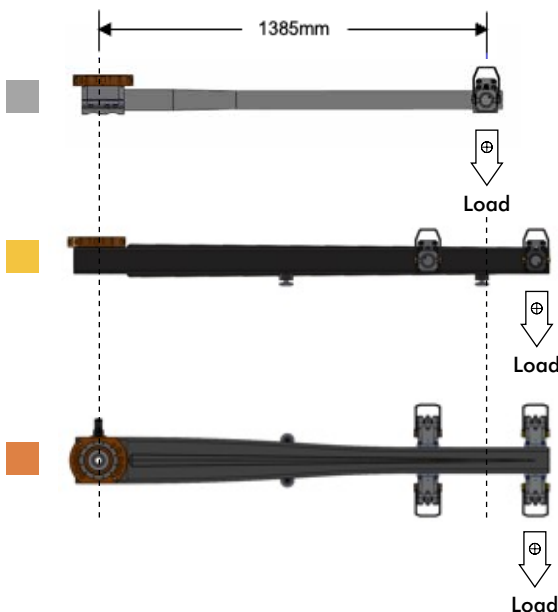
WORLD TOOL COMPOSITE BOOM - WTCB SERIES

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Vibration Amplitude Over Time Log Fit Curve



Notes:
1432 N Load Applied at Location Shown with vibration measured at 1385mm from center of robot mount.



Available upon request

- Combined X + Z Axis Load Deflection Charts comparing to DESTACO's Standard Aluminum booms
- X-Axis Torque twist charts versus Destaco's Standard Aluminum booms
- Vibration periodic wave graph
- Moment load deflection charts



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