



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Gravitec Systems, Inc.

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TESTING

Valid to: June 28, 2012

Certificate Number: AT-1462

I. Mechanical

ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED ²	*DETECTION LIMIT/ RANGE/ EQUIPMENT
Energy Absorbers	Activation Force Testing <ul style="list-style-type: none"> • Elongation • Visual Inspection 	ANSI Z359.13-2009 <ul style="list-style-type: none"> • 4.2 – Personal Energy Absorbers CSA Z259.11-05 <ul style="list-style-type: none"> • 6.1.3.1- Energy Absorbers Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Bench Scale • Portable Floor Scale • Digital Timer • Steel Tape • Steel Rule
	Static Strength Testing <ul style="list-style-type: none"> • Visual Inspection 	ANSI Z359.13-2009 <ul style="list-style-type: none"> • 4.3 – Personal Energy Absorbers • 4.6 – Energy Absorbing Lanyard • 4.7 – Y-Lanyard • 4.11– Wrap-Around Lanyard CSA Z259.11-05 <ul style="list-style-type: none"> • 6.1.3.2- Energy Absorber Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Digital Timer
	Dynamic Performance Testing <ul style="list-style-type: none"> • Average Arrest Force • Maximum Force • Elongation • Visual Inspection 	ANSI Z359.13-2009 <ul style="list-style-type: none"> • 4.4 – Personal Energy Absorbers • 4.5 – Energy Absorbing Lanyard • 4.8 – Y-Lanyard Single Connection • 4.9 – Y-Lanyard Dual Connection • 4.10 – Y-Lanyard Hip Test CSA Z259.11-05 <ul style="list-style-type: none"> • 6.1.2 – Energy Absorber Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Bench Scale • Portable Floor Scale • Digital Manometer Level • Steel Tape • Digital Timer (4.4 Only) • Environmental Chamber (4.4 Only)



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Harnesses	Static Strength Testing <ul style="list-style-type: none"> • Slippage • Visual Inspection 	ANSI Z359.1-2007 <ul style="list-style-type: none"> • 4.3.3.1 – Dorsal D-Ring • 4.3.3.1a – Frontal D-Ring Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Digital Timer • Steel Rule
	Dynamic Performance Testing <ul style="list-style-type: none"> • Angle at Rest • Visual Inspection 	ANSI Z359.1-2007 <ul style="list-style-type: none"> • 4.3.3.2 – Dorsal D-Ring • 4.3.3.2a – Frontal D-Ring ANSI Z359.3-2007 <ul style="list-style-type: none"> • 4.2.3.2 – Hip D-Ring CSA Z259.10-06 <ul style="list-style-type: none"> • 6.2.2.1 – Dorsal D-Ring • 6.2.2.4 – Frontal D-Ring • 6.2.2.5 – Waist D-Ring Customer Equivalent	<ul style="list-style-type: none"> • Portable Floor Scale • Digital Manometer Level • Steel Tape • Digital Timer • Digital Protractor
	Fall Arrest Indicator <ul style="list-style-type: none"> • Visual Inspection 	CSA Z259.10-06 <ul style="list-style-type: none"> • 6.2.5 – Fall Arrest Indicator Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System
Anchorage Connectors	Static Strength Testing <ul style="list-style-type: none"> • Visual Inspection 	ANSI Z359.1-2007 <ul style="list-style-type: none"> • 4.3.6 – Anchorage Connection Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Digital Timer
Fall Arresters	Dynamic Strength Testing <ul style="list-style-type: none"> • Visual Inspection 	ANSI Z359.1-2007 <ul style="list-style-type: none"> • 4.4.2 – Fall Arrester Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Portable Floor Scale • Digital Manometer Level
	Dynamic Performance Testing <ul style="list-style-type: none"> • Maximum Force • Arrest Distance • Visual Inspection 	ANSI Z359.1-2007 <ul style="list-style-type: none"> • 4.4.1 – Fall Arrester Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Portable Floor Scale • Digital Manometer Level
Ladder Safety Systems	Static Strength Testing <ul style="list-style-type: none"> • Visual Inspection 	ANSI-ASC A14.3 - 2009 <ul style="list-style-type: none"> • 7.5.3 – Static Strength Test Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Digital Timer
	Dynamic Strength Testing <ul style="list-style-type: none"> • Visual Inspection 	ANSI-ASC A14.3 - 2009 <ul style="list-style-type: none"> • 7.5.2 – Dynamic Strength Test Customer Equivalent	<ul style="list-style-type: none"> • Portable Floor Scale • Digital Manometer Level
	Dynamic Performance Testing <ul style="list-style-type: none"> • Travel Distance 	ANSI-ASC A14.3 - 2009 <ul style="list-style-type: none"> • 7.5.4 – Dynamic Performance Test Customer Equivalent	<ul style="list-style-type: none"> • Portable Floor Scale • Steel Rule



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Self Retracting Lifelines	Static Strength Testing • Visual Inspection	ANSI Z359.1-2007 • 4.3.7.3 – Static Strength Test Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Digital Timer
	Dynamic Strength Testing • Visual Inspection	ANSI Z359.1-2007 • 4.3.7.2 – Dynamic Strength Test Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Portable Floor Scale • Digital Manometer Level • Steel Tape
	Dynamic Performance Testing • Maximum Force • Arrest Distance • Visual Inspection	ANSI Z359.1-2007 • 4.3.7.1 – Dynamic Performance Test Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Portable Floor Scale • Digital Manometer Level • Steel Tape • Digital Timer • Environmental Chamber
	Retraction Tension Testing • Visual Inspection	ANSI Z359.1-2007 • 4.3.7.4 – Retraction Tension Test Customer Equivalent	<ul style="list-style-type: none"> • Digital Hand-Held Scale • Steel Tape • Digital Timer
Positioning Lanyards	Static Strength Testing • Visual Inspection	ANSI Z359.3-2007 • 4.2.2.1 – Fixed Length Lanyards • 4.2.2.2 – Adjustable Length Lanyards Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Digital Timer
	Dynamic Strength Testing • Visual Inspection	ANSI Z359.3-2007 • 4.2.2.3 – Dynamic Strength Customer Equivalent	<ul style="list-style-type: none"> • Load Cell & Data Acquisition System • Portable Floor Scale • Digital Manometer Level • Digital Timer

Notes:

1. * = As Applicable
2. Customers may require load limits and/or acceptance criteria other than those specified by the standards. In these cases, the test methods will be followed using the customer specified loads and criteria. Notation of the deviations will be made on the test reports.
3. This scope is part of and must be included with the Certificate of Accreditation No. AT-1462



Vice President

