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## SUMMARY OF STATIC LOAD TESTING OF TOOL POUCHES AND TOOL HOLSTERS

### Ergodyne

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Respectfully submitted,

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## INTRODUCTION

This report presents the results of static load tests conducted on samples of tool holsters and pouches. The testing was authorized by Mr. Brent Velenchenko of Ergodyne on September 14, 2016. The testing and data analysis were completed December 27, 2016.

## OBJECTIVE

The scope of our work was limited to performing static load tests on the tool holsters and pouches and providing a report of the results.

## CONCLUSIONS

See Test Results section for individual sample data.

## SAMPLE IDENTIFICATION

### Submitted on September 12 2016

Four (4) holsters were submitted. The following is a list of the supplied information about each bag.

One (1) Model #5561 – Small Tool/Radio Holster; labeled 5561

One (1) Model #5562 – Hammer Holster; labeled 5562

One (1) Model #5563 – Power Tool Holster; labeled 5563

One (1) Model #5564 – Water Bottle Holster; labeled 5564

Two (2) Topped Tool Pouches were submitted for testing.

One (1) Model #5517 – Premium Topped Tool Pouch; labeled 5517

One (1) Model #5527 – Premium Topped Tool Pouch; labeled 5527

### Submitted on October 25, 2016

Four (4) holsters were submitted. The following is a list of the supplied information about each bag.

One (1) Model #5561 – Small Tool/Radio Holster; labeled 5561 RD

One (1) Model #5562 – Hammer Holster; labeled 5562 RD

One (1) Model #5563 – Power Tool Holster; labeled 5563 RD

One (1) Model #5564 – Water Bottle Holster; labeled 5564 RD

Two (2) Topped Tool Pouches were submitted for testing.

One (1) Model #5517 – Premium Topped Tool Pouch; labeled 5517 RD

One (1) Model #5527 – Premium Topped Tool Pouch; labeled 5527 RD

#### Submitted on November 29, 2016

Four (4) holsters were submitted. The following is a list of the supplied information about each bag.

One (1) Model #5561 – Small Tool/Radio Holster; labeled 5561 RD2

One (1) Model #5562 – Hammer Holster; labeled 5562 RD2

One (1) Model #5563 – Power Tool Holster; labeled 5563 RD2

Two (2) Topped Tool Pouches were submitted for testing.

One (1) Model #5517 – Premium Topped Tool Pouch; labeled 5517 RD2

One (1) Model #5527 – Premium Topped Tool Pouch; labeled 5527 RD2

#### Submitted on December 22, 2016

Two (2) holsters were submitted. The following is a list of the supplied information about each bag.

Two (2) Model #5563 – Power Tool Holster; labeled 5563 RD2

Two (2) Topped Tool Pouches were submitted for testing.

One (1) Model #5527 – Premium Topped Tool Pouch; labeled 5527 RD3

\* Note: Not all submitted bag were used in static testing refer to test data for actual tested bags

## **METHODS**

### **Static Load Test of Holsters and Pouches**

#### Upright Load Test

The holsters/pouches were suspended in their normal upright positions using the intended strap with buckle. Each test consisted of a static load for 60 minutes. Each bucket was loaded with weight specified by manufacture before being suspended. Following each test, the bags were inspected for damage.

#### Inverted Load Test

The Pouches were suspended upside down using a wood board and lifting eye inserted through the bottom of the pouch. Each pouch was loaded with weight specified by manufacture before being suspended. The pouches were suspended for 60 minutes. Following each test, the buckets were inspected for damage.

## TEST DATA

Bag/Pouch Specimen	Rev	Static Load	Orientation	Attachment Method	Duration	Failure Mode	Damage
Model #5561	NA	25 lb	Upright	Strap	60 Minutes	Passed Test	No noticeable
Model #5562	NA	25 lb	Upright	Strap	60 Minutes	Passed Test	No noticeable
Model #5563	NA	50 lb	Upright	Strap	60 Minutes	Passed Test	No noticeable
Model #5564	NA	25 lb	Upright	Strap	60 Minutes	Passed Test	No noticeable
Model #5517	NA	100 lb	Upright	Strap	60 Minutes	Passed Test	No noticeable
Model #5517	NA	40 lb	Inverted	Lifting Eye	60 Minutes	Passed Test	No noticeable
Model #5527	NA	100 lb	Upright	Strap	60 Minutes	Passed Test	No noticeable
Model # 5527	RD2	40 lb	Inverted	Lifting Eye	60 Minutes	Passed Test	No noticeable
Model # 5527	RD3	40 lb	Inverted	Lifting Eye	60 Minutes	Passed Test	No noticeable

### Static Load Test Results

**Note:** Product samples listed in this summary report represent passing samples only. One or more failing and/or invalid/incomplete results may have been removed from the summary as requested by Ergodyne to specifically summarize approved products according to Ergodyne standards. Please refer to the full test report ESP023875P.1 for details on all samples.