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Project 03CA04854

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REPORT

on

OCCUPATIONAL FALL RESTRAINTS AND SUSPENSION DEVICES

Dennington Safety Gear Inc
Shreveport, LA

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TEST RECORD 1

GENERAL:

Materials submitted by the manufacturer were subjected to the appropriate tests described in OSHA 29 CFR 1926.502(d)-2002.

SAMPLES:

Finished Harnesses were received for testing.

FORCE TEST:

METHOD

A Sample harness was dropped one time while attached to a test person having the weight indicated on the size of harness. One end of the harness lanyard was attached to the load-bearing connection point and the other was attached to the anchorage. The test person was raised to and released from a point no more than 12 in. horizontally from the anchorage. The test person released without imparting any appreciable motion. The test person was in a position to fall freely a distance of 6 ft to a free hanging position without interference or obstruction, or striking the floor, ground, or any other object during the test. This test was repeated with test subjects sized to the other two harness sizes.

RESULTS

The harness did not fail to the point where the test person was able to fall from the harness.

Harness Size	Attachment point#	Deceleration Distance	Deceleration Force	Maximum Fall Distance
Medium	Rear neck D ring	12 in.	978 lbs.	6'-0"
Large	Rear neck D ring	Less than 12 in.	1114 lbs.	6'-0"
Small	Rear neck D ring	Approximately 8 in.	858 lbs.	5'-8"

the lanyard attached to a ring around the shock absorber cords in addition to the rear D ring

REQUIREMENTS

Harnesses shall withstand one drop without failure. Failure shall consist of any breakage or slippage sufficient to permit the person to fall. The maximum arresting force shall not exceed 2,520 lbs.

STRENGTH TEST:

METHOD

A Sample harness was dropped one time while attached to a 300 lb test torso. One end of the harness lanyard was attached to the load-bearing connection point and the other was attached to the anchorage. The test torso was raised to and released from a point no more than 12 in. horizontally from the anchorage. The test torso was released without imparting any appreciable motion. The test torso was raised to a position to fall freely a distance of 7.5 ft to a free hanging position without interference or obstruction, or striking the floor, ground, or any other object during the test.

RESULTS

The harness did not fail to the point where the test torso was able to fall from the harness.

REQUIREMENTS

Harnesses shall withstand one drop without failure. Failure shall consist of any breakage or slippage sufficient to permit the torso to fall from the harness.

CONCLUSION

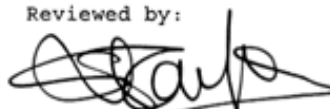
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