Mine Safety Appliances Company · John T. Ryan Memorial Lab
1100 Cranberry Woods Drive, Cranberry Township, PA 16066

MSA Engineering Self Certification of Standard Compliance
IAC 010-Z04

Statement of Compliance: This Workman Full Body Harness meets the requirements of Safety Requirements for Personal Fall Arrest Systems, Subsystems, and Components, ANSI Z359.1-2007.

Tested part number(s) or IAC No.:	"Sold as" part number(s)/Market:
IAC 010	SEE ATTACHED COMPLIANCE REPORT

Test Facility & Document #: Intertek - G100628266CRT-003

PERFORMANCE DETAILS
(May format as needed)

List standard and referenced sections as applicable	Results	Pass / Fail
SEE ATTACHED COMPLIANCE REPORT		

For additional information about this product(s), please contact MSA Customer Service at 1-800-MSA-2222 (for industrial products) or Safety Works Customer Service at 1-800-969-7562 (for retail products). When requesting information, please reference "sold as" part number(s).

Quality Assurance: JAMES WONDERLING Date: July 13, 2012

ANSI Z359.7 3rd Party Testing Compliance Report

Revision 0

IAC 010 - WORKMAN® HARNESS

"Sold As" Part numbers	**10072478, 10072479, 10072480, 10072481, 10072482, 10072483, 10072484, 10072485, 10072486, 10072487, 10072488, 10072489, 10072490, 10072491, 10072492, 10072493, 10072494, 10072495, 10072496, 10072497, 10072490, 10077571, 10077572, 10077573, 10108743, 10108744, 10108745, 10108755, 10108756, 10108757, 10108758, 10108767, 10108768, 10108769, 10108770, 10108771, 10108772, 10108773, 10108774, 10108791, 10121181, 10122507, 10122707, 10122745, 10122746, 10125151, 10125152, 10125153**	
ANSI Z359.1-2007 Requirement	**Results**	**Pass/Fail**
3.2.2 Full Body Harness Component		
3.2.2.1 Materials and Construction. Harness materials and construction shall be of a type that will result in a finished product capable of meeting all requirements of 3.2.2 and applicable tests set forth in Section 4.	Workman Harness materials and construction comply with all requirements and applicable tests.	**Pass**
3.2.2.2 Straps. Load-bearing straps shall be made from synthetic materials of continuous filament yarns made from light and heat resistant fibers having strength, aging, and abrasion resistance characteristics equivalent or superior to polyamides. Load bearing straps shall have a minimum width of 1-5/8 inches (41mm) and strap ends shall be finished so as to prevent fraying. When tested in accordance with reference 8.3.1, strap material shall develop a breaking strength of not less than 5,000 pounds (22.2kN).	Workman Harness load-bearing straps meet these requirements.	**Pass**
3.2.2.3 Thread and Stitching. Lock stitching shall be used on all sewn strap joints. Thread shall be of virgin synthetic material having strength, aging, abrasion resistance, and heat resistance characteristics equivalent of superior to polyamides. Thread shall be of the same type as the webbing and shall be of contrasting color to facilitate inspection.	Threads used in Workman Harnesses meet these requirements.	**Pass**
3.2.2.4 The harness shall provide support for the body across the lower chest, over the shoulders, and around the thighs when a tensile load is applied to the fall arrest attachment element. The harness, when properly fitted and used, shall prevent fallout. The fall arrest attachment shall be located at the back (dorsal) position.	Workman Harness meets these requirements.	**Pass**
3.2.2.5 When more than one attachment element exists on a harness, the purpose and limitations of each element shall be designated by the manufacturer.	User Instructions for MSA Harnesses contain purpose and limitations for attachment elements.	**Pass**
3.2.2.5a Harnesses equipped with a front-mounted attachment element for fall arrest shall be used only as a part of a personal fall arrest system that limits the maximum free fall distance to two feet (0.6m) and limits the maximum arrest force to 900 pounds (4.0kN).	User Instructions for MSA Harnesses contain these limitations.	**Pass**
3.2.2.6 The harness, when statically tested in accordance with 4.3.3.1, shall not release the test torso. Slippage through any adjustable connection shall not exceed one inch (25mm). Buckle and eyelet type of construction shall not tear a distance greater than that to the adjacent eyelet.	Workman Harness meets these requirements.	**Pass**
3.2.2.6a For harnesses equipped with a front-mounted attachment element for fall arrest, test statically in accordance with 4.3.3.1a. The harness shall not release the test torso. Slippage through any adjustable connector shall not exceed one inch (25mm). Buckle and eyelet type of construction shall not tear a distance greater than that to the adjacent eyelet.	Workman Harnesses with front-mounted attachment elements meet these requirements	**Pass**
3.2.2.7 The harness, when dynamically tested in accordance with 4.3.3.2, shall not release the test torso. The test torso shall remain suspended for five minutes after drop testing. No load-bearing element shall break or separate from the body support. The angle at rest measured between the torso vertical center line and the vertical shall not exceed 30 degrees after the test torso comes to rest.	Workman Harness meets these requirements.	**Pass**
3.2.2.7a For harnesses equipped with a front-mounted attachment element for fall arrest, test dynamically in accordance with 4.3.3.2a. The harness shall not release the test torso. The test torso shall remain suspended for five minutes after drop testing. No load-bearing element shall break or separate from body support.	Workman Harnesses with front-mounted attachment elements meet these requirements	**Pass**