

TOOLBOX TALKS

Focus Four Fall Hazards Toolbox Talk #7

Personal Fall Arrest System Equipment Inspections

[Ask the following questions and give time for answers]

What are the hazards? Falls from heights due to damaged personal fall arrest systems

What are the results? Broken bones, internal damage, death.

DID YOU KNOW: Among the fatal falls in construction investigated by the National Institute of Occupational Safety & Health's Fatality Assessment and Control Evaluation (FACE) program, between 2004 and 2014, 58.5% of the decedents had no PFAS present; 14.6% had PFAS, but did not use; and another 7.3% used PFAS, but the PFAS failed.

How do we prevent these results?

Inspect your personal fall arrest system prior to use. On a regular basis not to exceed one year (or more frequently if required by manufacturer's instructions) by a Competent Person to verify that the equipment is safe for use. MSA Recommends every 6 months. Your life depends on it.

Take damaged equipment out of service : if there have been alternation, there is an absence of parts, there is evidence of defects, damage to or improper function of mechanical devices and connectors. Any other condition that calls to question the suitability of the equipment for its intended purpose.

Know what to look for: fraying, unsplicing, kinking, knotting, roping, broken or pulled stitches, excessive elongation, chemical exposure, excessive soiling, abrasions, alterations, needed or excessive lubrication, excessive aging, excessive wear.

Personal Fall Arrest Systems are an important element of fall protection, the first goal on construction sites should be to eliminate fall hazards altogether.

Source Accident Analysis and Prevention 102 (2017) 136–143 Elsevier

CPWR Quarterly Data Report -Fall Injuries and Prevention in the Construction Industry First Quarter 2017



OSHA and our construction industry partners, such as the Mid-Atlantic Construction Safety Council, have initiated a **"Focus Four Hazards"** campaign throughout OSHA's Region III's jurisdiction. The goal of this campaign is to raise awareness in the recognition, evaluation, and control of these hazards. Focus Four Hazards account for the vast majority of Injuries and fatalities in the construction industry.





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Personal Fall Arrest System Equipment Inspections (continued)



Daily Inspection

- User Inspection
 1. Webbing
 2. Metal components
 3. Stitching
 4. D-Rings
 5. Labels



**Should be performed daily by user and take 2-3 minutes



Points of Inspection

- Lanyards
 1. Snap Hooks
 2. Shock absorbers
 3. Adjustment parts
 4. Load Indicators
 5. Labels



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Fall Protection
Equipment Inspection Month
January 2014

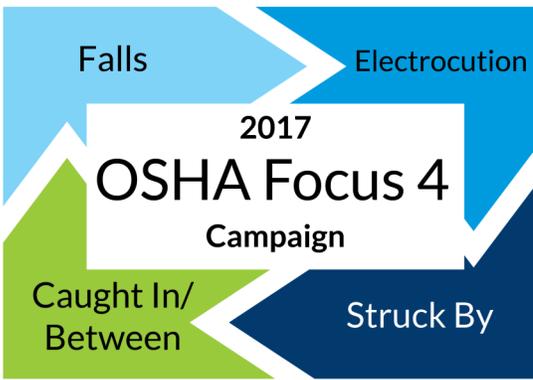
MSA
The Safety Company

Tutor Perini
Gilbane
SKANSKA
HSC
HUNTER ROBERTS
INTECH
Because every life has a purpose...



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CONDITION DESCRIPTION	CODE	OVERALL ASSESSMENT CODE
Webbing		
Cuts/Fraying	W1	Pass—Webbing Acceptable
Abrasion/Wear	W2	
Partially Missing/Altered	W3	
Burns/Heat Exposure	W4	
Chemical Exposure	W5	Fail—Webbing Not Acceptable
Other	W6	Fail—Webbing Not Acceptable
No Visible Change	W0	
Stitching		
Cut/Pulled/Loose Thread	S1	Pass—Stitching Acceptable
Abrasion/Wear	S2	
Partially Missing/Altered	S3	
Burns/Heat Exposure	S4	
Chemical Exposure	S5	Fail—Stitching Not Acceptable
Other	S6	Fail—Stitching Not Acceptable
No Visible Change	S0	

CONDITION DESCRIPTION	CODE	OVERALL ASSESSMENT CODE
Metal Components		
Deformed/Fractured	M1	Pass—Metallic Acceptable
Corroded/Deep Pits	M2	
Missing/Loose	M3	
Heat Exposure	M4	
Chemical Exposure	M5	Fail—Metallic Not Acceptable
Burns/Sharp Edges	M6	
Cuts/Deep Nicks	M7	
Malfunction	M8	
Other	M9	Fail—Metallic Not Acceptable
No Visible Change	M0	
Plastic Components		
Cut/Broken	P1	Pass—Plastic Acceptable
Wear Damage	P2	
Missing/Loose	P3	
Burns/Heat Exposure	P4	
Chemical Exposure	P5	Fail—Plastic Not Acceptable
Other	P6	
No Visible Change	P0	

Disposition
Circle "PASS" or "FAIL" on "Disposition" line on the Formal Inspection Log

Criteria for Disposition of FAIL:
Harness FAILS if there is one or more Overall Assessment Code of 'F' (ie. Webbing, Stitching, Metal, Plastic)

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Name _____		Clock No. _____	
Model No. _____	Serial No. _____	Manufacture Date _____ <small>(Circle One)</small>	
Inspector's Name _____	Inspection Date _____	Disposition	PASS FAIL

INSR. POINT	DESCRIPTION	QTY/ Unit	CONDITION CODE	OVERALL ASSESSMENT CODE	COMMENTS
Formal Inspection Log					
Fabric Components					
WEBBING					
1	Shoulder	2			
2	Shoulder Strap Retainer	1			
3	Shoulder Ring Strap	2			
4	Thigh	2			
5	Sub-Pelvic	1			
STITCHING					
7	Shoulder Ring Strap	4			
8	Shoulder Strap Tip	1			
9	Shoulder Strap Retainer	2			
10	Shoulder Strap Reinforces.	2			
11	Buckle	2			
12	Thigh Strap	2			
13	Thigh Strap Edges	4			
14	Sub Pelvic Strap	4			
Metal Components					
D-RINGS/OVAL RINGS					
15	Back	1			
16	Hip	2			
17	Chest	1			
18	Shoulder	2			
BUCKLES/ADJUSTERS/GROMMETS					
19	Adjuster, Torso Strap	2			
20	Tongue Buckle	2			
21	Friciton Buckle	2			
22	Quick Fit Buckle	2			
23	Grommets	16			
Plastic Components					
24	Back D-Ring Locator	1			
25	Strap Collar	4			
26	Labels	5			



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