

This revision of this Technical Brief Supersedes the one issued previously.

Key Changes

- As of April 1, 2016, MSA will revise capacity requirements for all ANSI Z359.13 energy absorbing lanyards
 - ANSI Z359.13 Energy Absorbing Lanyards will have the following labeling information:

ANSI Z359.13 Energy Absorbing Lanyards		
Category	6ft Free Fall (FF)	12ft Free Fall (FF)
Weight Capacity	OSHA: 310 lbs (140kg) ANSI Z359.13: 130lbs (59kg) – 310lbs (140kg)	OSHA: 400lbs (181kg) ANSI Z359.13: 130lbs (59kg) – 310lbs (140kg)
Maximum Free Fall Distance	6ft	12ft for 130lbs (59kg) – 310lbs (140kg) 6ft for 311lbs (141kg) – 400lbs (181kg)
Maximum Deceleration Distance of Energy Absorber	4ft (48 in)	5ft (60in) for 12ft Free Fall 3.5ft (42in) for 6ft Free Fall

How does this impact me?

- Moving forward, workers with a weight of 311lbs (141kg) – 400lbs (181kg) will need to use ANSI 12ft FF Energy Absorbing Lanyards but with a maximum free fall distance of only 6ft
- Workers with a weight of 130lbs (59kg) – 310lbs (140kg) can use either:
 - ANSI 6ft FF Energy Absorbing lanyards with a maximum free fall distance of 6ft
 - ANSI 12ft FF Energy Absorbing Lanyards with the maximum free fall distance of 12ft
- Previously purchased products may continue to be used according to the attached labelling as long as they meet the competent person inspection requirements.

It should be noted that the scope of the ANSI Z359 standard only recognizes and applies to workers between 130-310lbs. For users 311-400lbs, only OSHA compliance applies.

Why the change?

The revision to the capacity requirements represents a forward-thinking approach by MSA to prepare for upcoming CSA standard updates that will require a 1:1 test weight to user capacity during dynamic evaluation. EN Standards in Europe have adopted a 1:1 test weight to user capacity requirement, and while ANSI and OSHA do not currently require a 1:1 test weight to user capacity for dynamic evaluation, MSA is proactively designing to the most stringent standards.

Current ANSI Z359.13 12ft FF Energy Absorbing Lanyards

Part Number	Harness Connector	Anchorage Connector	Single Leg	Twin Leg	Tie Back	Adjustable	Cable
Workman 12FT Freefall							
10150488	36C	36C	X			X	
10150489	36C	36C	X		X	X	
10150490	36C	36C (2)		X		X	
10150491	36C	36C (2)		X	X	X	
FP5K 12FT Freefall							
10150477	36C	FP5K	X		X	X	
10150479	36C	FP5K	X		X		X
10150478	36C	FP5K (2)		X	X	X	
10150480	36C	FP5K (2)		X	X		X
Thermatek 12FT Freefall							
10150484	36C	36C	X				X
10150483	36C	(2) 36C		X			X