

# EN 353-1:2014 — Summary of key changes

## Personal fall protection equipment - Guided type fall arresters including an anchor line - Part 1: Guided type fall arresters including a rigid anchor line

### Summary of the key changes

“This standard is based on the philosophy that a guided type fall arrester including a rigid anchor line is rated to sustain the maximum dynamic load generated in a fall from a height by the mass of one person, including any equipment carried.”

“This European Standard applies to rigid anchor lines which are intended to be installed vertically and/or with a combination of forward-leaning angle and/or sideways leaning angle between the true vertical and the vertical +15°”

Topic	Requirement of the new standard	Latchways product changes required?	Passed testing?
Angled systems	Previously, the standard only covered systems in the vertical position. The revised standard now covers systems between the vertical and the vertical +15°.	<b>NONE</b> Latchways' guided type fall arresters have been tested and already meet these requirements.	
Minimum and maximum loads	Guided type fall arresters must now be tested with both a minimum and maximum load - and should be marked accordingly. Previously the standard only required testing with a load of 100 kg.	<b>NONE</b> As part of Latchways' stringent testing programme, ManSafe guided type fall arresters are already tested with a maximum load and so no further design changes were required to meet this testing. Latchways' guided type fall arresters have a minimum rated load of 50kg and a maximum of 150kg.	
Permanent attachment	Connecting elements are now required to be permanently attached to the guided type fall arrester.	<b>NONE</b> Having always been designed with permanently attached connecting elements (with a captive carabiner), Latchways' products already meet with this requirement, and need no further design changes.	
User intervention	When attached to the rigid anchor, guided type fall arresters are now required to accompany the user in an upwards and downwards direction without manual intervention.	<b>NONE</b> All Latchways' guided type fall arresters incorporate the innovative starwheel mechanism, designed to move freely over an intermediate cable guide, and therefore require no intervention from the user.	
U-bolt clamps	Top terminations to the rigid anchor lines using U-bolt clamps are no longer acceptable	<b>NONE</b> All Latchways cable systems are swaged at the top termination. Swages make a strong, permanent and reliable termination.	
Functionality	The standard now places a far greater emphasis on required functionality of the rigid anchor line and guided type fall arresters, by outlining a number of tests that must be undertaken. These function tests include low temperature, minimum distance, fall back, on a guiding bracket, sideways fall and sideways leaning anchor line tests.	<b>NONE</b> Latchways guided type fall arresters have been tested and already meet these requirements.	