

NEW STANDARDS IN FALL PROTECTION

Understanding the ANSI/ASSP Z359.14-2021 standard

SAFETY REQUIREMENTS FOR SELF-RETRACTING DEVICES

In 2020, according to the US Bureau of Labor and Statistics (BLS), there were 351 fatal falls to a lower level out of 1,008 construction fatalities (BLS data).

A worker at height is a worker that is minimum of 4 feet in elevation for general industrial situations, 5 feet in shipyards and 6 feet for construction environments. Understanding the ANSI/ASSP Z359.14-2021 standard and selecting the right solution is critical to injury prevention and keeping workers at height safe. Take a few minutes to learn about the new standard for lifelines and how Honeywell can help.

In June of 2021, the American National Standard for the Safety Requirements for Self-Retracting Devices was approved with an effective date of August 01, 2022. After several extensions, the ANSI Z359 Committee approved a final effective date of August 1, 2023. After this date, manufacturers of self-retracting devices (including SRLs, SRL-Rs, and SRL-Ps) will be required to follow the updated ANSI/ASSP Z359.14-2021 standard. The last time this standard was updated was over 8 years ago. Here is a look at some of the revisions in the latest safety requirements:

- SRD classifications have been revised as follows:
 - Class 1 – Must be used with anchorages at the dorsal D-ring or above. Free fall must not exceed 2 feet (0.6m)

Class 2 - Can be used with anchorages above or below the dorsal D-ring. Free fall must not exceed 6 feet (1.8m)

- SRL categories have been updated:
 - SRL, SRL-P, SRL-R -- SRLE-LE has been removed and designated under Class 2
 - The test mass has increased from 282 pounds (128kg) to 310 pounds (140kg)
 - SRL-P devices must pass a performance test with 310 pounds (140kg) and 6 foot (1.8m) free fall
- Class 2 self-retracting lifelines are required to come with an integral energy absorber
- If the device attached to the dorsal D-ring instead of the anchorage, the energy absorber is not required.
- Class 2 devices must include safety labels with a fall clearance table as well as an illustration of the axes from the table. These should be located at the point of attachment
- Class 2 SRD must come with a new warning card that is to be provided as a separate card insert. This card indicates that users should follow the manufacturer's instructions and warnings.

The current edition of ANSI/ASSP Z359.14-2021 sets requirements for the

performance, design, qualification testing, markings and instructions, inspections, maintenance and storage, and removal from service of self-retracting devices (this includes SRLs, SRL-Rs, and SRL-Ps). If an SRD continues to meet inspection requirements and is certified to previous ANSI/ASSP Z359.14 standards, then it may continue to be used.

Honeywell has been at the forefront of personal fall protection technology for 75 years. Our Miller® range of personal fall protection equipment began protecting workers at height three decades before the industry was first regulated. Innovating beyond standards and regulations remain at the heart of Miller expertise and creation of the comprehensive new products portfolio for more than seven decades. Our drive to always exceed standards extends to what we are doing to adhere to the updated ANSI/ASSP Z359.14-2021 standard. We are not just working to create the safest products; we are helping to protect a life.

To view the full updated ANSI/ASSP Z359.14-2021 standards, click [here](#).

For more information

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