capital SAFETY

Global Leader in Fall Protection

INSTRUCTION SUPPLEMENT

ANSI/ASSE Z359.14-2012

Please read this manual carefully before installing and using the associated product(s).

AMERICAN NATIONAL STANDARD

Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and Rescue Systems

IMPORTANT: *Your Capital Safety Self Retracting Device is compliant with the ANSI/ASSE Z359.14-2012 American National Standard specifying "Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and Rescue Systems". The requirements of this standard supersede any corresponding requirements in either the ANSI/ASSE Z359.1-2007 or ANSI/ASSE Z359.4-2007 American National Standards. Requirements defined in the Instruction Supplement take precedent over similar information in the "User Instruction Manual" included with your DBI-SALA or Protecta Self-Retracting Device.*

1.0 SCOPE:

The ANSI/ASSE Z359.14-2012 standard establishes requirements for Self-Retracting Devices (SRDs) intended for use in Personal Fall Arrest or Rescue systems for authorized persons within the capacity range of 130 to 310 pounds (59 to 141 kg). *NOTE: Some Capital Safety SRDs are rated to 420 capacity in accordance with OSHA regulations (see the "User Instruction Manual").*

1.1 SRD TYPES: SRD types include Self-Retracting Lanyards (SRLs), Self-Retracting Lanyards with integral rescue capability (SRL-Rs), and Self-retracting Lanyards with Leading Edge capability (SRL-LEs). See Table 1.

1.2 SRD CLASSIFICATIONS: Self-Retracting Devices are classified according to dynamic performance as follows:

- Class A - Maximum Total Fall Distance = 24 in. (610 mm); Average Arresting Force ≤ 1,350 lbs. (6 kN)
- Class B - Maximum Total Fall Distance = 54 in. (1,372 mm); Average Arresting Force ≤ 900 lbs. (4 kN)

The SRD Class is identified on the labeling on your Self-Retracting Device.

Table 1 – Self-Retracting Device (SRD) Types

SRL	**Self-Retracting Lanyard**	A Self-Retracting Device (SRD) suitable for applications where the line remains generally vertical during use and possible Free Fall is limited to 2 ft. (0.6 m).
SRL-R	**Self-Retracting Lanyard with Rescue**	A Self-Retracting Lanyard (SRL) that includes an integral means for assisted rescue by raising or lowering the rescue subject.
SRL-LE	**Self-Retracting Lanyard with Leading Edge**	A Self-Retracting Device (SRD) suitable for applications where the line is generally horizontal during use and possible Free Fall is up to 5 ft. (1.5 m) that includes integral means to withstand impact loading of the line constituent with a sharp or abrasive edge during fall arrest and for controlling fall arrest forces on the user.

2.0 INSPECTION

2.1 INSPECTION PROCEDURES: Inspection procedures are defined in the *"User Instruction Manual"* included with the SRD.

2.2 INSPECTION FREQUENCY: Self-Retracting Devices shall be inspected by the authorized person[1] or rescuer[2] before each use. Additionally, inspections shall be conducted by a competent person[3] other than the user. The competent person shall use the Inspection Schedule (Table 2) to determine appropriate inspection intervals.

Table 2 – Inspection Schedule

Type of Use	Application Examples	Conditions of Use	Inspection Frequency
			Competent Person
Infrequent to Light	Rescue and Confined Space, Factory Maintenance	Good Storage Conditions, Indoor or Infrequent Outdoor Use, Room Temperature, Clean Environments	Annually
Moderate to Heavy	Transportation, Residential Construction, Utilities, Warehouse	Fair Storage Conditions, Indoor and Extended Outdoor Use, All Temperatures, Clean or Dusty Environments	Semi-Annually to Annually
Sever to Continuous	Commercial Construction, Oil and Gas, Mining	Harsh Storage Conditions, Prolonged or Continuous Outdoor Use, All Temperatures, Dirty Environment	Quarterly to Semi-Annually

1 ***Authorized Person:*** *A person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard.*

2 ***Rescuer:*** *Person or persons other than the rescue subject acting to perform an assisted rescue by operation of a rescue system.*

3 ***Competent Person:*** *An individual designated by the employer to be responsible for the immediate supervision, implementation, and monitoring of the employer's managed fall protection program who, through training and knowledge, is capable of identifying, evaluating, and addressing existing and potential fall hazards, and who has the employer's authority to take prompt corrective action with regard to such hazards.*

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3.0 REMOVAL FROM SERVICE

3.1 FALL ARREST: If the SRD has arrested a fall, it shall be removed from service, marked or tagged *"UNUSABLE"* and disposed of or serviced in accordance with the *"User Instruction Manual"*.

3.2 REQUIRED MAINTENANCE: If the SRD is in need of or scheduled for maintenance, it shall be tagged *"UNUSABLE"* and removed from service until completion of required maintenance.

4.0 SELF-RETRACTING LANYARDS WITH LEADING EDGE CAPABILITY

4.1 SRL-LE USE: Self-Retracting Lanyards with Integral Leading Edge Capability (SRL-LEs) were successfully tested for horizontal use and falls over a steel edge without burrs. SRL-LEs may be used in situations where a fall may occur over steel edges, such as found on steel shapes or metal sheeting.

4.2 PRECAUTIONS: Observe the following precautions when using SRL-LEs:

- The allowable angle of redirection of the lanyard portion of the SRL-LE at the edge over which a fall might occur (measured between the two sides formed by the redirected lanyard) shall be at least 90 degree (Figure 1).
- The anchor point may only be situated at the same height as the edge at which a fall might occur or above the edge.
- Consult the *"User Instruction Manual"* for limitations to the allowable work area relative to the anchorage point, including factors such as swing fall and abrasion on the line at the edge and the use of a single anchor point versus anchors that allow horizontal movement (e.g., Horizontal Lifeline or Rail).
- SRL-LEs may be used with a Horizontal Lifeline or Rail only if noted in the SRL-LE's *"User Instruction Manual"*.
- Do not work on the far side of an opening opposite the SRL-LE anchorage point.
- In the event of a fall over the edge, special rescue measures may be required.
- Observe the Minimum Setback Distance (Figure 2) and Fall Clearance required when falling over an edge (Figure 1) as marked on the SRL-LE's labeling.

Figure 1 – Leading Edge

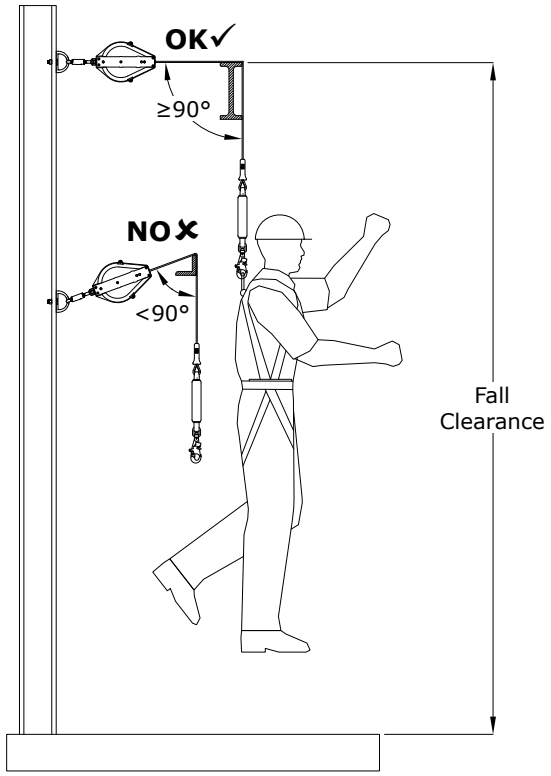
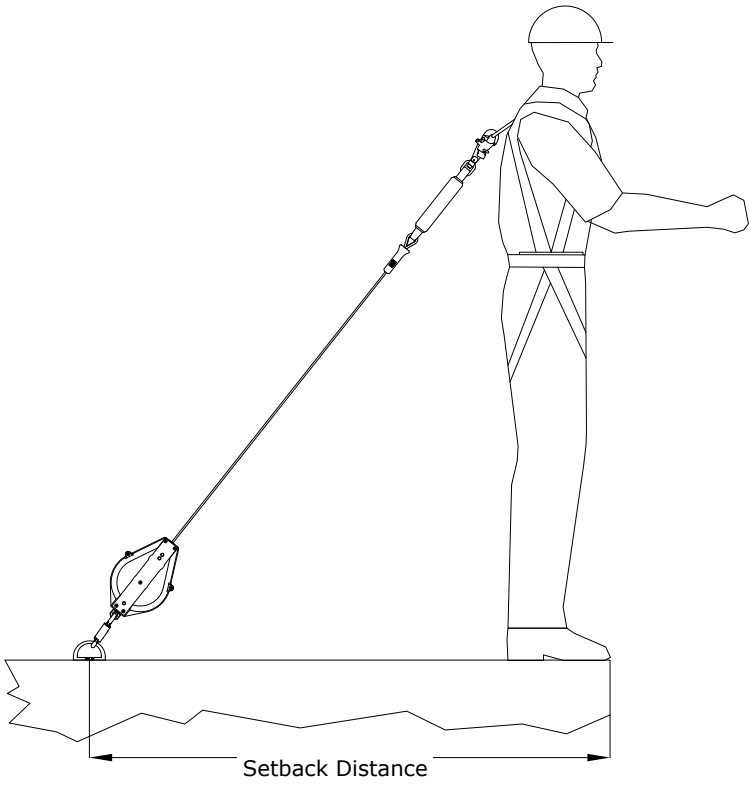


Figure 2 – Setback Distance



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