

# American National Standard Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components

## STANDARD REQUIREMENTS

## EXPLANATORY INFORMATION

(Not part of American National Standard Z359.1-1992 (R1999).)

### 1. Scope, Purpose, Application, Exceptions and Interpretations

1.1 *Scope* - This standard establishes requirements for the performance, design, marking, qualification, instruction, training, inspection, use, maintenance and removal from service of connectors, full body harnesses, lanyards, energy absorbers, anchorage connectors, fall arresters, vertical lifelines, and self-retracting lanyards comprising personal fall arrest systems for users within the capacity range of 130 to 310 pounds (59 to 140 kg).

#### 1.2 Purpose and Application

1.2.1 This standard addresses only personal fall arrest systems (PFAS) incorporating full body harnesses. Whenever the term "system" is used in the standard it refers to a personal fall arrest system.

1.2.2 This standard addresses equipment used in occupations requiring personal protection against falls from heights and applies to the manufacturers, distributors, purchasers and users of such equipment.

1.2.3 Body belts, window cleaner belts, chest-waist harnesses and chest harnesses, even when referred to as body supports, are not addressed by the provisions of this fall arrest standard.

1.2.4 Before any equipment shall bear the marking Z359.1 or be represented in any way as being in compliance with this standard, all requirements of this standard shall be met.

E1.1. See Figures 1 through 29 for illustrations of the equipment covered by this standard. Equipment used in personal fall arrest systems is commonly referred to as "personal protective equipment" (PPE) in the literature of the safety field. Also see 2.11 for definition of capacity. The manufacturer should apply a quality assurance system such as ANSI/ASQC Q94-1987. See reference 8.6.1.

E1.2.1 See Appendix A for explanation of acronyms used within this standard.

E1.2.2 This is a voluntary consensus standard. The legal requirements for protection against falls from heights are established by applicable regulatory bodies governing occupational safety.

E1.2.3 For definitions of window cleaner belts, see reference 8.7.1.