



Standards Relating to Rope Access Equipment

Notes for Usage:

The following supplement to SPRAT’s *Safe Practices for Rope Access Work* is a non-exhaustive list of standards that may pertain to equipment used in rope access. Ensuring that a standard, or specific equipment conforming to a standard, is appropriate for specific rope access applications and/or for meeting presiding regulatory authority requirements is a requirement within a properly managed rope access program.

The language in the standard titles is specific to that referenced standard and does not necessarily align with SPRAT’s *Defined Terms*. Any errors, omissions, or potential updates should be reported to SPRAT at info@sprat.org.

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1. Anchorages

Standard	Title
ANSI Z359.18 (2017)	Safety Requirements for Anchorage Connectors for Active Fall Protection Systems
CEN/TS 16415 (2013)	Personal fall protection equipment - Anchor devices - Recommendations for anchor devices for use by more than one person simultaneously
CSA Z259.15 (2012)	Anchorage connectors
EN 795 (2012)	Personal fall protection equipment. Anchor devices
ISO 14567 (1999)	Personal protective equipment for protection against falls from a height -- Single-point anchor devices

2. Ascenders - *SP 13.8*

Standard	Title
EN 567 (2013)	Mountaineering equipment. Rope clamps. Safety requirements and test methods
EN 12841 (2006)	Personal fall protection Equipment - Rope access systems - Rope adjustment devices
NFPA 1983 (2017)	Standard on Life Safety Rope and Equipment for Emergency Services

3. Backup Devices - *SP 13.4*

Standard	Title
ANSI Z359.15 (2014)	Safety Requirements for Single Anchor Lifelines and Fall Arresters for Personal Fall Arrest and Rescue Systems
CSA Z259.2.5 (2012)	Fall arresters and Vertical lifelines
EN 353 -2 (2002)	Personal protective equipment against falls from a height. Guided type fall arresters including a flexible anchor line
EN 12841 (2006)	Personal fall protection Equipment - Rope access systems - Rope adjustment devices

4. Connectors - *SP 13.6*

Standard	Title
ANSI Z359.12 (2019)	Connecting Components for Personal Fall Arrest Systems
CSA Z259.12 (2016)	Connecting components for personal fall-arrest systems (PFAS)
EN 362 (2004)	Personal protective equipment against falls from a height. Connectors
EN 12275 (2013)	Mountaineering equipment. Connectors. Safety requirements and test methods
ISO 10333-5 (2001)	Personal fall-arrest systems -- Part 5: Connectors with self-closing and self-locking gates
NFPA 1983 (2017)	Standard on Life Safety Rope and Equipment for Emergency Services

5. Descenders - *SP 13.7*

Standard	Title
CSA Z259.2.3 (2010)	Descending Devices
EN 341 (2011)	Personal fall protection equipment. Descender devices for rescue
EN 12841 (2006)	Personal fall protection Equipment - Rope access systems - Rope adjustment devices

6. Energy Absorbers

Standard	Title
CSA Z259.11 (2017)	Personal energy absorbers and lanyards
EN 355 (2002)	Personal protective equipment against falls from a height. Energy absorbers
ISO 10333-2 (2000)	Personal fall-arrest systems -- Part 2: Lanyards and energy absorbers



7. Harnesses - SP 13.5

Standard	Title
ANSI Z359.11 (2014)	Safety Requirements for Full Body Harnesses
AS/NZ 1891.1 (2008)	Industrial Fall-Arrest Systems and Devices Part 1: Harnesses and ancillary equipment (5 amendments)
CSA Z259.10 (2016)	Full Body Harness
EN 361 (2002)	Personal protective equipment against falls from a height. Full body harnesses
EN 12277 (2015)	Mountaineering equipment. Harnesses. Safety requirements and test methods
ISO 10333-1 (2016)	Personal fall-arrest systems -- Part 1: Full-body harnesses
NFPA 1983 (2017)	Standard on Life Safety Rope and Equipment for Emergency Services

8. Helmets - SP 13.11

Standard	Title
ANSI Z89.1 (2009)	American National Standard for Industrial Head Protection
CSA Z94.1 (2015)	Industrial Protective Headwear - Performance, selection, care, and use
EN 397 (2012)	Industrial safety helmets
EN 14052 (2012)	High performance industrial helmets

9. Lanyards - SP 13.10

Standard	Title
ANSI Z359.3 (2019)	Safety Requirements for Lanyards and Positioning Lanyards
CSA Z259.11 (2017)	Personal energy absorbers and lanyards
EN 354 (2010)	Personal fall protection equipment. Lanyards
EN 358 (1999)	Personal protective equipment for work positioning and prevention of falls from a height. Belts for work positioning and restraint and work positioning lanyards

10. Pulleys - SP 13.12

Standard	Title
EN 12278 (2007)	Mountaineering equipment. Pulleys. Safety requirements and test methods
NFPA 1983 (2017)	Standard on Life Safety Rope and Equipment for Emergency Services

11. Ropes - SP 13.9

Standard	Title
ANSI Z359.15 (2014)	Safety Requirements for Single Anchor Lifelines and Fall Arresters for Personal Fall Arrest and Rescue Systems
AS/NZ 4142.3 (1993)	Man-made fibre rope for static life rescue lines
CI 1801 (2017)	Low Stretch-Static Kernmantle Safety Rope
CSA Z259.2.5 (2012)	Fall arresters and Vertical lifelines
EN 1891 (1998)	Personal protective equipment for the prevention of falls from a height. Low stretch kern mantel ropes
NFPA 1983 (2017)	Standard on Life Safety Rope and Equipment for Emergency Services