



Designation: F887 – 16

Standard Specifications for Personal Climbing Equipment¹

This standard is issued under the fixed designation F887; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope*

Table of Contents		Table of Contents	
Section Title	Section/ Paragraph	Section Title	Section/ Paragraph
Scope	1	Instructions	26
Referenced Documents	2	Guarantee and Rejection	27
Terminology	3	Keywords	28
Significance and Use	4	1.1 This standard covers the specifications and qualification testing of the following:	
Pole and Tree Climbers		Climbers,	
Classification	5	Climber straps,	
Ordering Information	6	Climber Pads,	
Pole and Tree Climbers	7	Climber Footplates,	
Climber Gaffs	8	Body Belts,	
Climber Straps	9	Work Positioning Devices with Locking Snaphooks/Carabiners,	
Climber Pads	10	Wood Pole Fall Restriction Devices (WPFRD),	
Climber Footplates	11	Arborist Saddle,	
Body Belts, Work Positioning Devices and Wood Pole Fall Restrict Devices (WPFRD)		Harnesses,	
Classification	12	Energy Absorbing Lanyards.	
Ordering Information	13	These devices are used by workers in the climbing of poles, trees, towers, and other structures. Minimum performance criteria for arc resistance of harnesses and energy absorbing lanyards are included for workers who may be exposed to thermal hazards of momentary electric arcs or flame.	
Two Dee Body Belts, Auxiliary Positioning Belts, and Four Dee Body Belts	14	1.2 Equipment may fall within one of the following categories:	
Two Dee Body Belts	14.1	1.2.1 <i>Fall (Travel) Restraint</i> —Prevents a user from reaching a fall hazard (allow 0 fall distance).	
Auxiliary Positioning Belts and Four Dee Body Belts	14.2	1.2.2 <i>Work Positioning</i> —Allows a 2 ft maximum free fall distance.	
Positioning Devices	15	1.2.3 <i>Fall Arrest</i> —Allows a 6 ft maximum free fall distance with a maximum arrest force of 1800 lb.	
Wood Pole Fall Restriction Device (WPFRD)	16	NOTE 1—Under certain conditions and with the use of equipment designed for such conditions, a 12-ft free-fall distance with a maximum arrest force of 1800 lb is allowed.	
Arborist Saddle		1.2.4 <i>Suspension</i> —Allows 0 free-fall distance while supporting the user's weight.	
Arborist Saddle	17	1.2.5 <i>Fall Restriction</i> —to prevent or limit free fall from a work position or while ascending/descending a wood pole.	
Harnesses		1.3 Three types of climbers, (Types A, B, and C) and two types of climber straps, Types (A and B) are covered.	
Classification	18	1.4 Two types of body belts, (Types A and B) are covered.	
Ordering Information	18.2	1.5 Eight types of work positioning devices: three positioning straps, (Types A, B, and C), three adjustable-positioning	
Sizing	18.3		
Marking	18.4		
Energy Absorbing Lanyards			
Classification	19		
Ordering Information	20		
Energy Absorbing Lanyards	21		
Qualification Testing			
Electric Arc Performance	22		
Hardware Requirements	23		
Test Equipment	24		
Qualification Testing	25		
Body Belts, Four Dee Body Belts, and Auxiliary Positioning Belts	25.1		
Positioning Devices	25.2		
WPFRD	25.3		
Arborist Saddle	25.4		
Harness	25.5		
Energy Absorbers	25.6		

¹ This standard is under the jurisdiction of ASTM Committee F18 on Electrical Protective Equipment for Workers and are the direct responsibility of Subcommittee F18.15 on Worker Personal Equipment.

Current edition approved Nov. 15, 2016. Published February 2017. Originally approved in 1984. Last previous edition approved in 2013 as F887 – 13. DOI: 10.1520/F0887-16.

*A Summary of Changes section appears at the end of this standard