



Fall Protection

3M™ Protecta® Self-Retracting Lifelines

Cable, 20 ft., 33 ft., 50 ft. and 66 ft. Lengths

Meeting standards.
Elevating expectations.

Class 1



Class 2



Effective July 17, 2023, 3M™ Protecta® Self-Retracting Lifelines in 20 ft., 33 ft., 50 ft. and 66 ft. galvanized and stainless-steel cable models will meet the new ANSI/ASSP Z359.14-2021 standard as well as the 29 CFR OSHA 1926.502 & OSHA 1910.140 regulations.

These 3M™ Protecta® products now have new part numbers and labels to reflect the updates. This will help you identify products meeting the ANSI/ASSP Z359.14-2021 standard moving forward.

Please note, Class 1 SRD classification is for use with anchorages AT or ABOVE the dorsal D-ring.

Class 2 SRD classification is for use with anchorages BELOW, AT or ABOVE the dorsal D-ring.

For more information on ANSI/ASSP Z359.14-2021 product certifications and what the standard update means for you, contact your 3M Fall Protection Representative or visit [3M.com/ANSIupdate](https://www.3m.com/ANSIupdate).

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Legacy ANSI/OSHA Part#	New ANSI/OSHA Part#	Description
3590517	3590034	3M™ Protecta® Self-Retracting Lifeline 3590034, Galvanized Cable, 20 ft., Class 1
3590504	3590035	3M™ Protecta® Self-Retracting Lifeline 3590035, Stainless Steel Cable, 20 ft., Class 1
3590500	3590036	3M™ Protecta® Self-Retracting Lifeline 3590036, Galvanized Cable, 33 ft., Class 1
3590501	3590037	3M™ Protecta® Self-Retracting Lifeline 3590037, Stainless Steel Cable, 33 ft., Class 1
3590550	3590038	3M™ Protecta® Self-Retracting Lifeline 3590038, Galvanized Cable, 50 ft., Class 1
3590551	3590039	3M™ Protecta® Self-Retracting Lifeline 3590039, Stainless Steel Cable, 50 ft., Class 1
3590540	3590046	3M™ Protecta® Edge Self-Retracting Lifeline 3590046, Galvanized Cable, 20 ft., Class 2
3590543	3590047	3M™ Protecta® Edge Self-Retracting Lifeline 3590047, Galvanized Cable, 33 ft., Class 2
3590546	3590048	3M™ Protecta® Edge Self-Retracting Lifeline 3590048, Galvanized Cable, 50 ft., Class 2
3590548	3590049	3M™ Protecta® Edge Self-Retracting Lifeline 3590049, Galvanized Cable, 66 ft., Class 2
3591000	3590050	3M™ Protecta® 3-Way Retrieval Self-Retracting Lifeline 3590050, Galvanized Cable, 50 ft., Class 1
3591001	3590051	3M™ Protecta® 3-Way Retrieval Self-Retracting Lifeline 3590051, Stainless Steel Cable, 50 ft., Class 1
3591006	3590052	3M™ Protecta® 3-Way Retrieval Self-Retracting Lifeline with Bracket 3590052, Galvanized Cable, 50 ft, Class 1
3591007	3590053	3M™ Protecta® 3-Way Retrieval Self-Retracting Lifeline with Bracket 3590053, Stainless Steel Cable, 50 ft, Class 1
New	3590298	3M™ Protecta® Edge Modular Connector Self-Retracting Lifeline 3590298, Stainless Steel Cable, 50 ft., Class 2
New	1340151	3M™ Protecta® Modular Connector Shock Pack 1340151, Steel Swivel Snap Hook

Products manufactured to previous revisions of the ANSI/ASSP Z359.14 standard may continue to be used as long as the product continues to meet the inspection requirements as defined by the manufacturer, conducted at the recommended intervals by a Competent Person.



Continue to the next page for additional product information.

3M™ Protecta® Self-Retracting Lifelines

3M™ Protecta® Self-Retracting Lifeline 3590034, Galvanized Cable, 20 ft., Class 1

3M™ Protecta® Self-Retracting Lifeline 3590035, Stainless Steel Cable, 20 ft., Class 1

3M™ Protecta® Self-Retracting Lifeline 3590036, Galvanized Cable, 33 ft., Class 1

3M™ Protecta® Self-Retracting Lifeline 3590037, Stainless Steel Cable, 33 ft., Class 1

Below is a performance comparison for the above-mentioned 3M™ Protecta® Self-Retracting Lifelines against the Industry Standard requirements:

	3M™ Protecta® Previous Performance Claims		3M™ Protecta® New Performance Claims		
	ANSI/ASSP Z359.14-2014, OSHA 1926.502, & OSHA 1910.140	OSHA 1926.502 & OSHA 1910.140	ANSI/ASSP Z359.14-2021	OSHA 1926.502 & OSHA 1910.140	
SRD Class	Class B		Class 1		
Weight Capacity	130 to 310 lb.	311 to 420 lb.	130 to 310 lb.	130 to 310 lb.	311 to 420 lb.
Maximum Arrest Force	1,350 lb.	1,800 lb.	1,800 lb.	1,350 lb.	1,350 lb.
Average Arrest Force	900 lb.	N/A	1,350 lb.	900 lb.	N/A
Arrest Distance	42in.	42 in.	42 in.	42 in.	42 in.

	Industry Standard Requirements			
	ANSI/ASSP Z359.14-2014		OSHA 1926.502 & OSHA 1910.140	ANSI/ASSP Z359.14-2021
SRD Class	Class A	Class B		Class 1 & 2
Weight Capacity	130 to 310 lb.	130 to 310 lb.	130 to 420 lb.	130 to 310 lb.
Maximum Arrest Force	1,800 lb.	1,800 lb.	1,800 lb.	1,800 lb.
Average Arrest Force	1,350 lb.	900 lb.	N/A	1,350 lb.
Arrest Distance	24 in.	54 in.	42 in.	42 in.



Continue to the next page for additional product information.

3M™ Protecta® Self-Retracting Lifelines

3M™ Protecta® Self-Retracting Lifeline 3590038, Galvanized Cable, 50 ft., Class 1

3M™ Protecta® Self-Retracting Lifeline 3590039, Stainless Steel Cable, 50 ft., Class 1

Below is a performance comparison for the above-mentioned 3M™ Protecta® Self-Retracting Lifelines against the Industry Standard requirements:

	3M™ Protecta® Previous Performance Claims		3M™ Protecta® New Performance Claims		
	ANSI/ASSP Z359.14-2014, OSHA 1926.502, & OSHA 1910.140	OSHA 1926.502 & OSHA 1910.140	ANSI/ASSP Z359.14-2021	OSHA 1926.502 & OSHA 1910.140	
SRD Class	Class B		Class 1		
Weight Capacity	130 to 310 lb.	311 to 420 lb.	130 to 310 lb.	130 to 310 lb.	311 to 420 lb.
Maximum Arrest Force	1,350 lb.	1,800 lb.	1,800 lb.	1,350 lb.	1,350 lb.
Average Arrest Force	900 lb.	N/A	1,350 lb.	900 lb.	N/A
Arrest Distance	42 in.	42 in.	42in.	42in.	42 in.

	Industry Standard Requirements			
	ANSI/ASSP Z359.14-2014		OSHA 1926.502 & OSHA 1910.140	ANSI/ASSP Z359.14-2021
SRD Class	Class A	Class B		Class 1 & 2
Weight Capacity	130 to 310 lb.	130 to 310 lb.	130 to 420 lb.	130 to 310 lb.
Maximum Arrest Force	1,800 lb.	1,800 lb.	1,800 lb.	1,800 lb.
Average Arrest Force	1,350 lb.	900 lb.	N/A	1,350 lb.
Arrest Distance	24 in.	54 in.	42 in.	42 in.



Continue to the next page for additional product information.

3M™ Protecta® Self-Retracting Lifelines

3M™ Protecta® Edge Self-Retracting Lifeline 3590046, Galvanized Cable, 20 ft., Class 2

3M™ Protecta® Edge Self-Retracting Lifeline 3590047, Galvanized Cable, 33 ft., Class 2

Below is a performance comparison for the above-mentioned 3M™ Protecta® Self-Retracting Lifelines against the Industry Standard requirements:

	3M™ Protecta® Previous Performance Claims		3M™ Protecta® New Performance Claims	
	ANSI/ASSP Z359.14-2014, OSHA 1926.502, & OSHA 1910.140		ANSI/ASSP Z359.14-2021	OSHA 1926.502 & OSHA 1910.140
SRD Class	Class B		Class 2	
Weight Capacity	130 to 310 lb.		130 to 310 lb.	130 to 310 lb.
Maximum Arrest Force	1,350 lb.		1,800 lb.	1,350 lb.
Average Arrest Force	900 lb.		1,350 lb.	900 lb.
Arrest Distance (when anchored overhead)	42 in.		42 in.	42 in.
	Industry Standard Requirements			
	ANSI/ASSP Z359.14-2014		OSHA 1926.502 & OSHA 1910.140	ANSI/ASSP Z359.14-2021
SRD Class	Class A	Class B		Class 1 & 2
Weight Capacity	130 to 310 lb.	130 to 310 lb.	130 to 420 lb.	130 to 310 lb.
Maximum Arrest Force	1,800 lb.	1,800 lb.	1,800 lb.	1,800 lb.
Average Arrest Force	1,350 lb.	900 lb.	N/A	1,350 lb.
Arrest Distance	24 in.	54 in.	42 in.	42 in.



Continue to the next page for additional product information.

3M™ Protecta® Self-Retracting Lifelines

3M™ Protecta® 3-Way Retrieval Self-Retracting Lifeline 3590050, Galvanized Cable, 50 ft., Class 1
 3M™ Protecta® 3-Way Retrieval Self-Retracting Lifeline 3590051, Stainless Steel Cable, 50 ft., Class 1
 3M™ Protecta® 3-Way Retrieval Self-Retracting Lifeline with Bracket 3590052, Galvanized Cable, 50 ft., Class 1
 3M™ Protecta® 3-Way Retrieval Self-Retracting Lifeline with Bracket 3590053, Stainless Steel Cable, 50 ft., Class 1

Below is a performance comparison for the above-mentioned 3M™ Protecta® Self-Retracting Lifelines against the Industry Standard requirements:

	3M™ Protecta® Previous Performance Claims		3M™ Protecta® New Performance Claims		
	ANSI/ASSP Z359.14-2014, OSHA 1926.502, & OSHA 1910.140	OSHA 1926.502 & OSHA 1910.140	ANSI/ASSP Z359.14-2021	OSHA 1926.502 & OSHA 1910.140	
SRD Class	Class B		Class 1		
Weight Capacity	130 to 310 lb.	311 to 420 lb.	130 to 310 lb.	130 to 310 lb.	311 to 420 lb.
Maximum Arrest Force	1,350 lb.	1,800 lb.	1,350 lb.	1,350 lb.	1,350 lb.
Average Arrest Force	900 lb.	N/A	1,125 lb.	900 lb.	900 lb.
Arrest Distance	42 in.	42 in.	42 in.	42 in.	42 in.

	Industry Standard Requirements			
	ANSI/ASSP Z359.14-2014		OSHA 1926.502 & OSHA 1910.140	ANSI/ASSP Z359.14-2021
SRD Class	Class A	Class B		Class 1 & 2
Weight Capacity	130 to 310 lb.	130 to 310 lb.	130 to 420 lb.	130 to 310 lb.
Maximum Arrest Force	1,800 lb.	1,800 lb.	1,800 lb.	1,800 lb.
Average Arrest Force	1,350 lb.	900 lb.	N/A	1,350 lb.
Arrest Distance	24 in.	54 in.	42 in.	42 in.



Continue to the next page for additional product information.

3M™ Protecta® Self-Retracting Lifelines

3M™ Protecta® Edge Self-Retracting Lifeline 3590048, Galvanized Cable, 50 ft., Class 2

3M™ Protecta® Edge Self-Retracting Lifeline 3590049, Galvanized Cable, 66 ft., Class 2

3M™ Protecta® Edge Modular Connector Self-Retracting Lifeline 3590298, Stainless Steel Cable, 50 ft., Class 2

Below is a performance comparison for the above-mentioned 3M™ Protecta® Self-Retracting Lifelines against the Industry Standard requirements:

	3M™ Protecta® Previous Performance Claims		3M™ Protecta® New Performance Claims	
	ANSI/ASSP Z359.14-2014, OSHA 1926.502, & OSHA 1910.140		ANSI/ASSP Z359.14-2021	OSHA 1926.502 & OSHA 1910.140
SRD Class	Class B		Class 2	
Weight Capacity	130 to 310 lb.		130 to 310 lb.	130 to 310 lb.
Maximum Arrest Force	1,350 lb.		1,800 lb.	1,800 lb.
Average Arrest Force	900 lb.		1,350 lb.	N/A
Arrest Distance (when anchored overhead)	42 in.		42 in.	42 in.
	Industry Standard Requirements			
	ANSI/ASSP Z359.14-2014		OSHA 1926.502 & OSHA 1910.140	ANSI/ASSP Z359.14-2021
SRD Class	Class A	Class B		Class 1 & 2
Weight Capacity	130 to 310 lb.	130 to 310 lb.	130 to 420 lb.	130 to 310 lb.
Maximum Arrest Force	1,800 lb.	1,800 lb.	1,800 lb.	1,800 lb.
Average Arrest Force	1,350 lb.	900 lb.	N/A	1,350 lb.
Arrest Distance	24 in.	54 in.	42 in.	42 in.



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