



Fall Protection

8mm Permanent Horizontal Lifeline Fall Arrest/Fall Restraint System

Technical Data Sheets

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TECHNICAL DATA SHEET: 1432

0.8 kN / 5kN System (Wall / Floor Mount)

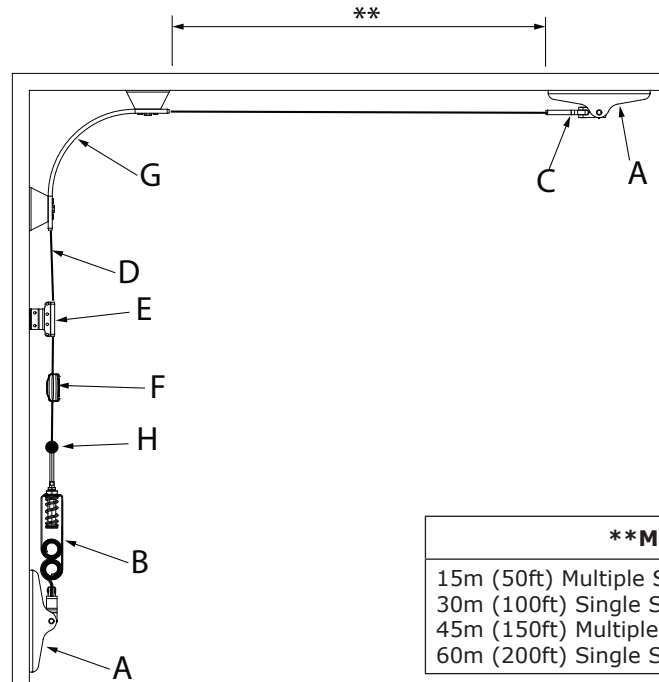


APPLICATION:

For applications mounted above the reach of the user, refer to data sheet 1434.

HLL Energy Absorbers may be required at both ends of the system based on layout configuration. (Number of brackets, span length, number of users, etc.)

In multiple-span horizontal lifeline systems, designed under ANSI Z359.6 or CSA Z259.16 to permit multiple users in multiple spans, it is the responsibility of the installer (and not of 3M) to include in the system documentation, the design considerations and details which ensure a single event or circumstance will not causing multiple users in multiple spans to fall within a very short time.



**Maximum Span

15m (50ft) Multiple Span - Multiple Users
30m (100ft) Single Span - Multiple Users
45m (150ft) Multiple Span - Single User
60m (200ft) Single Span - Single User

	Component	Part Number
A	Anchor Plate Standard Straight Eye	7241417 7240122
B	11kN Peak Force, 0.8kN System Tension Energy Absorber 19kN Peak Force, 0.8kN System Tension Energy Absorber 19kN Peak Force, 5kN System Tension Energy Absorber	7241422* 7241426* 7241427
C	Hex Swage Toggle Hex Swage Toggle, Ball Stop Shoulder	7234011* 7234246
D	8mm 7x7 SS Cable 8mm 1x19 Stainless Steel Cable	7240211 7240212
E	Variable Mount Angle Intermediate Bracket 45 Degree Intermediate Bracket Intermediate Bracket Variable Intermediate Bracket	7241414 7241415* 7241412* 7241413*
F	Detachable Traveler - No Wheels	7241420
G	90 Degree Internal Corner, Wall Mount 90 degree External Corner, Wall Mount 45 Degree Internal / External Corner, Wall Mount 90 Degree Internal Corner 90 Degree External Corner 45 Degree Internal Corner 45 Degree External Corner	7241526 7241525* 7241570* 7241406* 7241407* 7241409* 7241410*
H	End Stopper	7241432

*This item is different from the one illustrated

TECHNICAL DATA SHEET: 1434

5kN Overhead System

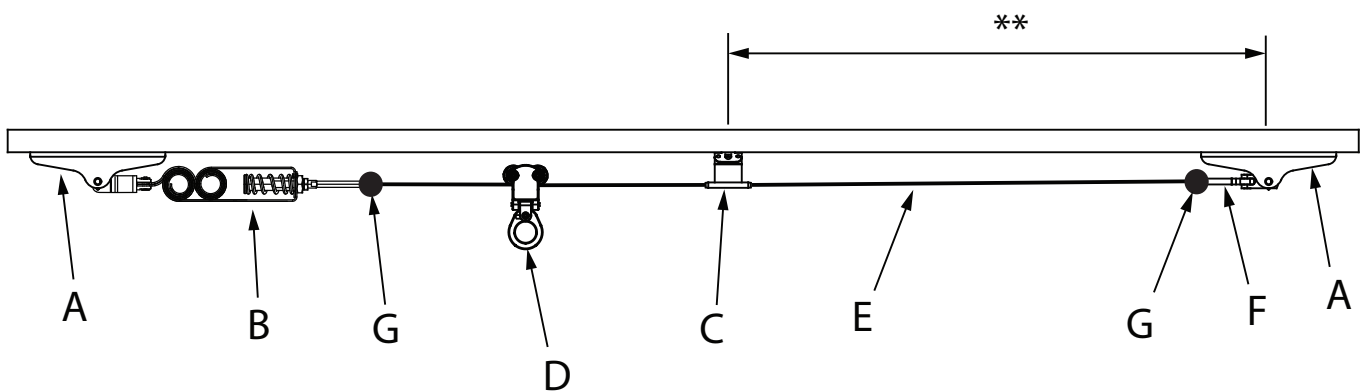


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APPLICATION:

HLL Energy Absorbers may be required at both ends of the system based on layout configuration. (Number of brackets, span length, number of users, etc.)

In multiple-span horizontal lifeline systems, designed under ANSI Z359.6 or CSA Z259.16 to permit multiple users in multiple spans, it is the responsibility of the installer (and not of 3M) to include in the system documentation, the design considerations and details which ensure a single event or circumstance will not causing multiple users in multiple spans to fall within a very short time.



**Maximum Span

15m (50ft) Multiple Span - Multiple Users
30m (100ft) Single Span - Multiple Users
45m (150ft) Multiple Span - Single User
60m (200ft) Single Span - Single User

	Component	Part Number
A	Anchor Plate Standard Straight Eye	7241417 7240122*
B	19kN Peak Force, 5kN System Tension Energy Absorber Dampener, 5kN	7241427* 7241428*
C	Variable Mount Angle Intermediate Bracket 45 Degree External Corner 45 Degree Internal Corner 90 Degree External Corner 90 Degree Internal Corner	7241414 7241410* 7241409* 7241407* 7241406*
D	Overhead Traveler	7241421
E	8mm 1x19 Stainless Steel Cable 8mm 7x7 SS Cable	7240212 7240211*
F	Hex Swage Toggle Hex Swage Toggle, Ball Stop Shoulder	7234011* 7234246
G	End Stopper	7241432

*This item is different from the one illustrated

TECHNICAL DATA SHEET: 1424

Structural Post Mounting System (0.8kN Tension)



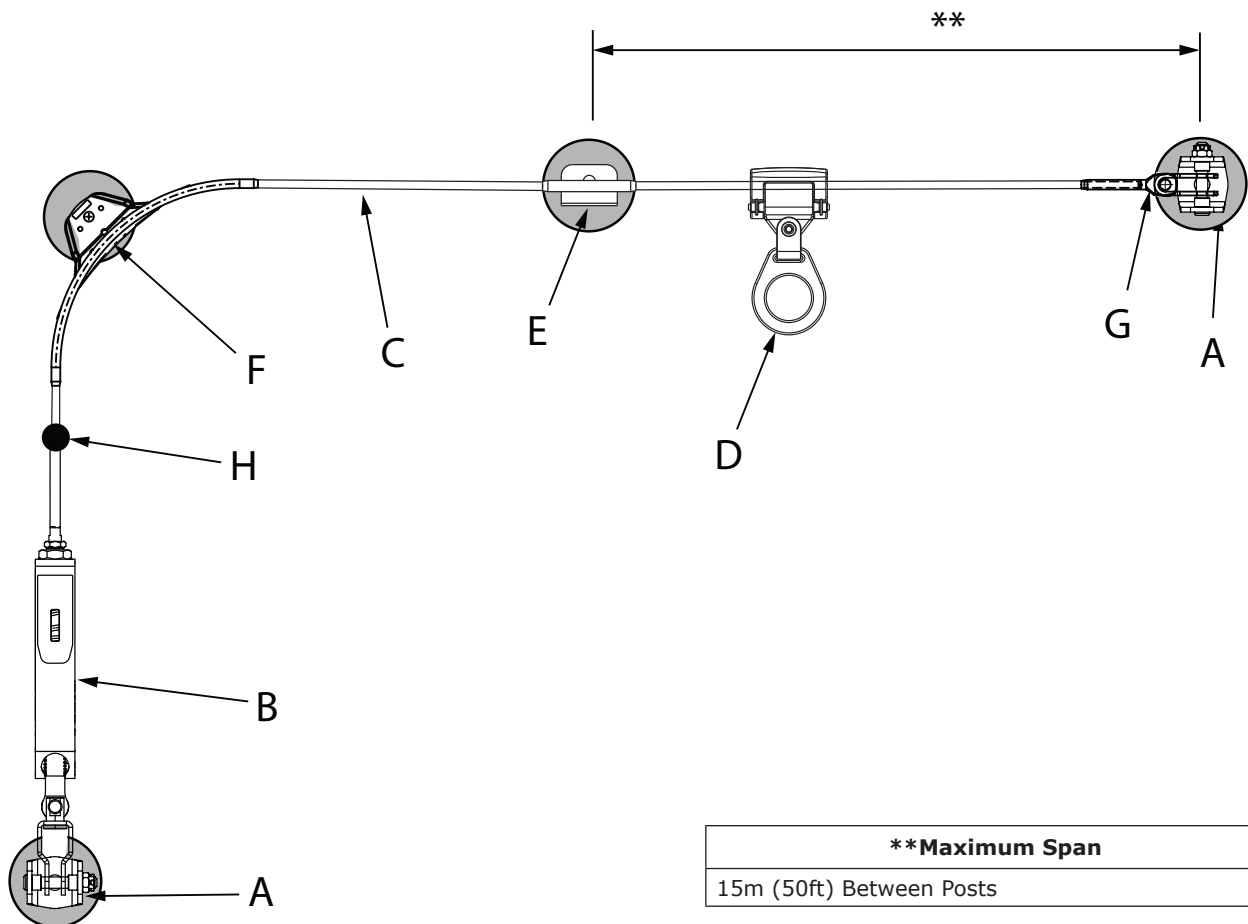
Fall Protection

APPLICATION:

0.8kN pretension is recommended due to the typical post fixing strength.

19kN energy absorbers are NOT recommended due to the typical post fixing strength.

HLL Energy Absorbers may be required at both ends of the system based on layout configuration. (Number of brackets, span length, number of users, etc.)



**Maximum Span

15m (50ft) Between Posts

	Component	Part Number
A	Straight Eye	7240122
B	11kN Peak Force, 0.8kN System Tension Energy Absorber	7241422
C	8mm 7x7 SS Cable 8mm 1x19 Stainless Steel Cable	7240211 7240212*
D	Detachable Traveler - No Wheels	7241420
E	Intermediate Bracket Variable Intermediate Bracket 45 Degree Intermediate Bracket	7241412 7241413* 7241415*
F	90 Degree Post Mount Corner 45 Degree Post Mount Corner	7241408 7241411*
G	Hex Swage Toggle Hex Swage Toggle, Ball Stop Shoulder	7234011* 7234246
H	End Stopper	7241432

*This item is different from the one illustrated

TECHNICAL DATA SHEET: 7241422

11kN Peak Force, 0.8kN System Tension Energy Absorber

Part No: 7241422

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APPLICATION:

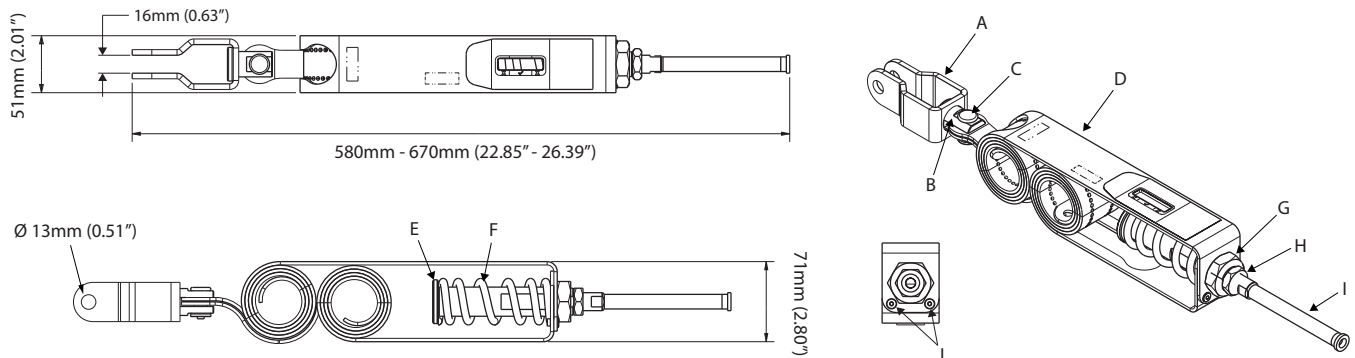
Inline energy absorber with an 11kN (2500 lbf) peak arrest force for use with 22.2 kN (5000 lbf) end anchor strength. Includes 0.8kN (180 lbf) system tension indicating spring. Total elongation 1.2m (48").

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, 1/2 to 13 inch) fasteners should be used to fix the energy absorber to the structure at a recommended torque of 50 N-m (37 ft-lbs). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and connecting subsystem (SRD or Lanyard).

Maximum 4 users capacity, 6kN (1350lbf) or 8kN (1800lbf) peak force connecting device, dependent on system layout.

Cable Tensioning: 0.8kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lbf)	Peak Deployment Force kN (lbf)	Average Deployment Force kN (lbf)	Total Elongation m (ft)
3.4 (7.5)	38 (8540)	11 (2500)	9 (2020)	1.2 (4)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis	316 Stainless Steel	Electropolished
B	1	Clevis Shaft	316 Stainless Steel	Natural
C	1	Clevis Rivet	316 Stainless Steel	Natural
D	1	Energy Absorber Forming	316 Stainless Steel	Electropolished
E	1	Tension Indicating Sleeve	316 Stainless Steel	Natural
F	1	Spring	316 Stainless Steel	Black Powder Coat
G	1	M24 Hex Nut	316 Stainless Steel	Natural
H	1	M16 Hex Nut	316 Stainless Steel	Natural
I	1	Threaded Swage Tube	316 Stainless Steel	Natural
J	2	Rivet	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241426

19kN Peak Force, 0.8kN System Tension Energy Absorber

Part No: 7241426

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APPLICATION:

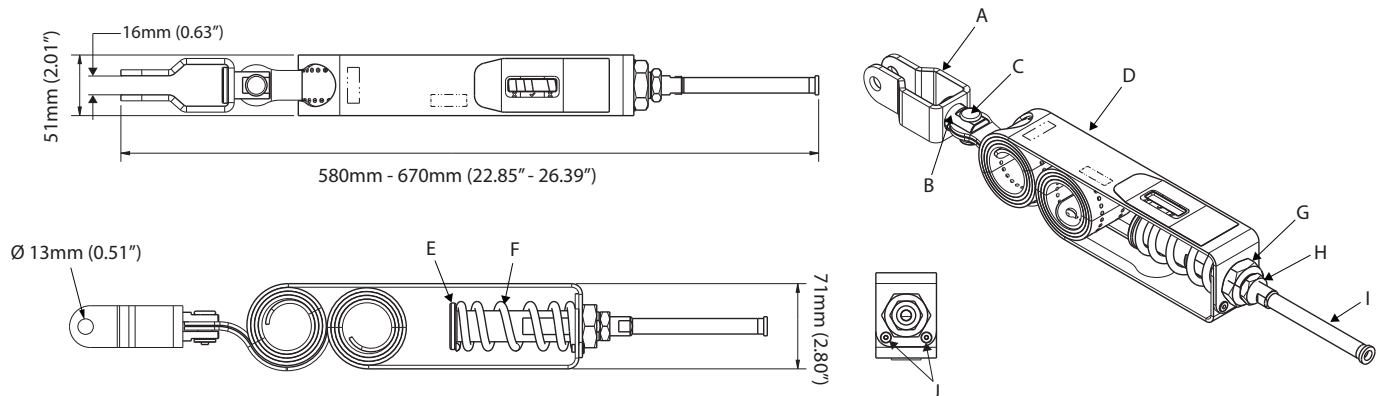
Inline energy absorber with an 19kN (4270 lbf) peak arrest force for use with 38 kN (8550 lbf) end anchor strength. Includes 0.8kN (180 lbf) system tension indicating spring. Total elongation 1.2m (48").

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, 1/2 to 13 inch) fasteners should be used to fix the energy absorber to the structure at a recommended torque of 50 N-m (37 ft-lbs). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and connecting subsystem (SRD or Lanyard).

Maximum 4 users capacity, 6kN (1350lbf) or 8kN (1800lbf) peak force connecting device, dependent on system layout.

Cable Tensioning: 0.8kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)	Peak Deployment Force kN (lbf)	Average Deployment Force kN (lbf)	Total Elongation m (ft)
3.4 (7.5)	38 (8540)	19 (4270)	16 (3600)	1.2 (4)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis	316 Stainless Steel	Electropolished
B	1	Clevis Shaft	316 Stainless Steel	Natural
C	1	Clevis Rivet	316 Stainless Steel	Natural
D	1	Energy Absorber Forming	316 Stainless Steel	Electropolished
E	1	Tension Indicating Sleeve	316 Stainless Steel	Natural
F	1	Spring	316 Stainless Steel	Black Powder Coat
G	1	M24 Hex Nut	316 Stainless Steel	Natural
H	1	M16 Hex Nut	316 Stainless Steel	Natural
I	1	Threaded Swage Tube	316 Stainless Steel	Natural
J	2	Rivet	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241427

19kN Peak Force, 5kN System Tension Energy Absorber

Part No: 7241427

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APPLICATION:

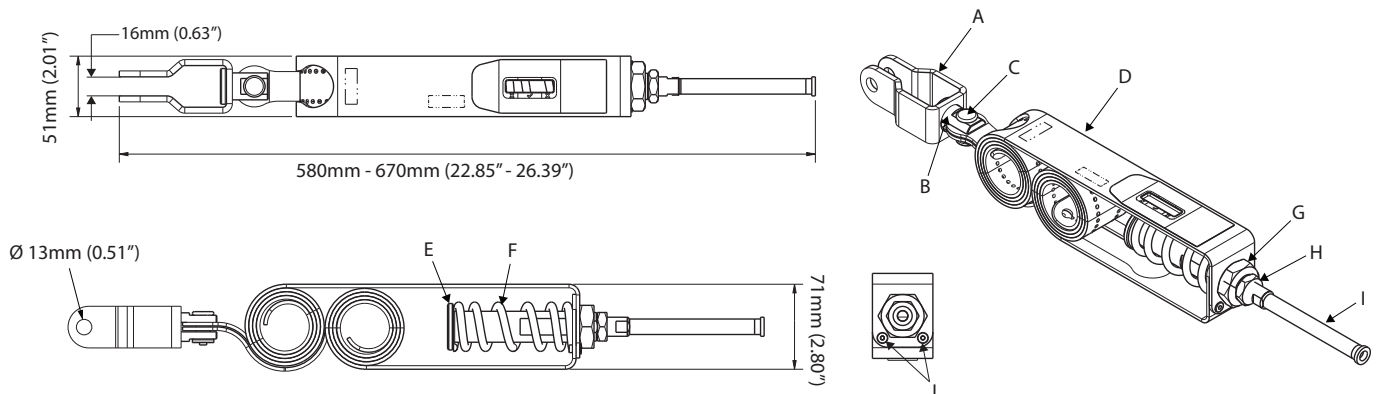
Inline energy absorber with an 19kN (4270 lbf) peak arrest force for use with 38 kN (8550 lbf) end anchor strength. Includes 5kN (1125 lbf) system tension indicating spring. Total elongation 1.2m (48").

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, 1/2 to 13 inch) fasteners should be used to fix the energy absorber to the structure at a recommended torque of 50 N-m (37 ft-lbs). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and connecting subsystem (SRD or Lanyard).

Maximum 4 users capacity, 6kN (1350lbf) or 8kN (1800lbf) peak force connecting device, dependent on system layout.

Cable Tensioning: 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)	Peak Deployment Force kN (lbf)	Average Deployment Force kN (lbf)	Total Elongation m (ft)
3.7 (8.2)	38 (8540)	19 (4270)	16 (3600)	1.2 (4)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis	316 Stainless Steel	Electropolished
B	1	Clevis Shaft	316 Stainless Steel	Natural
C	1	Clevis Rivet	316 Stainless Steel	Natural
D	1	Energy Absorber Forming	316 Stainless Steel	Electropolished
E	1	Tension Indicating Sleeve	316 Stainless Steel	Natural
F	1	Spring	316 Stainless Steel	Red Powder Coat
G	1	M24 Hex Nut	316 Stainless Steel	Natural
H	1	M16 Hex Nut	316 Stainless Steel	Natural
I	1	Threaded Swage Tube	316 Stainless Steel	Natural
J	2	Rivet	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241428

Dampener, 5kN

Part No: 7241428



Fall Protection

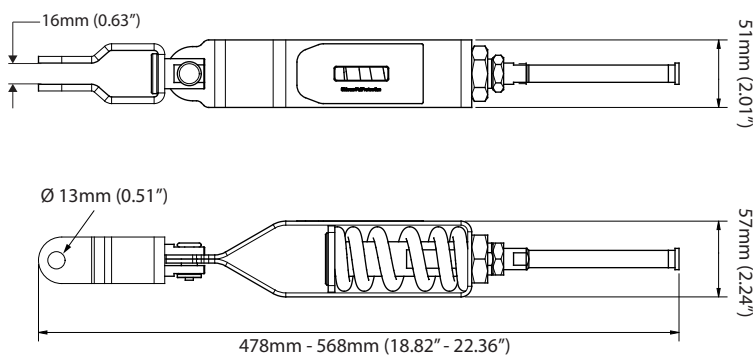
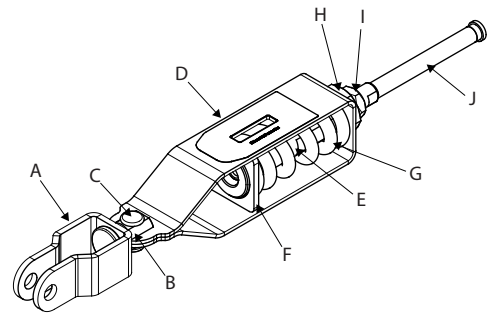
APPLICATION:

For use in systems where horizontal lifeline energy absorption is not required but tension indication is. Also can be used in systems where mechanical and thermal cyclic loading are likely as a means to reduce the effects these external loads have on the system components through changes in tension.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, 1/2 to 13 inch) fasteners should be used to fix the dampener to the structure at a recommended torque of 50 N-m (37 ft-lbs). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and connecting subsystem (SRD or Lanyard).

Cable Tensioning: 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.8 (4)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis	316 Stainless Steel	Electropolished
B	1	Clevis Shaft	316 Stainless Steel	Natural
C	1	Clevis Rivet	316 Stainless Steel	Natural
D	1	Forming Dampener	316 Stainless Steel	Electropolished
E	1	Tension Indicating Sleeve	316 Stainless Steel	Natural
F	1	Spacer	316 Stainless Steel	Natural
G	1	Spring	316 Stainless Steel	Red Powder Coat
H	1	M24 Hex Nut	316 Stainless Steel	Natural
I	1	M16 Hex Nut	316 Stainless Steel	Natural
J	1	Threaded Swage Tube	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241429

Dampener, Small, 0.8kN

Part No: 7241429

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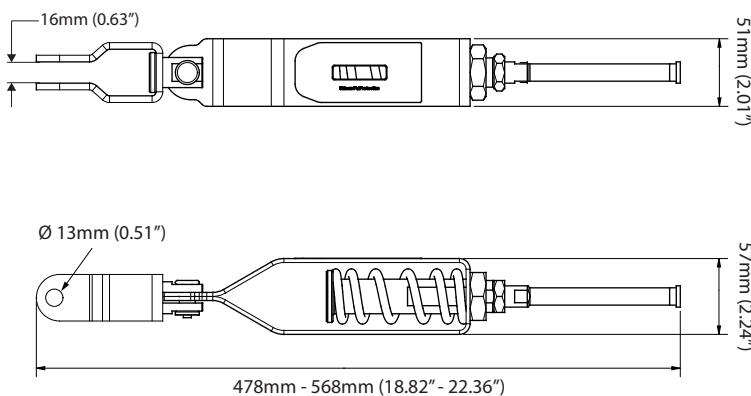
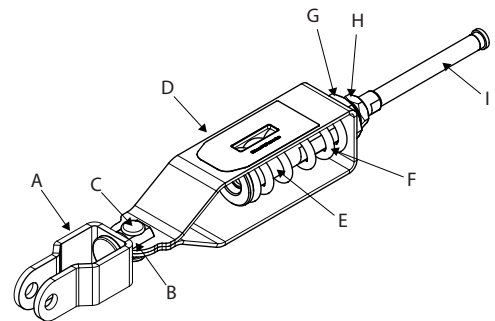
APPLICATION:

For use in systems where horizontal lifeline energy absorption is not required but tension indication is. Also can be used in systems where mechanical and thermal cyclic loading are likely as a means to reduce the effects these external loads have on the system components through changes in tension.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, 1/2 to 13 inch) fasteners should be used to fix the dampener to the structure at a recommended torque of 50 N-m (37 ft-lbs). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and connecting subsystem (SRD or Lanyard).

Cable Tensioning: 0.8kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.8 (4)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis	316 Stainless Steel	Electropolished
B	1	Clevis Shaft	316 Stainless Steel	Natural
C	1	Clevis Rivet	316 Stainless Steel	Natural
D	1	Forming Dampener	316 Stainless Steel	Electropolished
E	1	Tension Indicating Sleeve	316 Stainless Steel	Natural
F	1	Spring	316 Stainless Steel	Red Powder Coat
G	1	M24 Hex Nut	316 Stainless Steel	Natural
H	1	M16 Hex Nut	316 Stainless Steel	Natural
I	1	Threaded Swage Tube	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241420

Detachable Traveler - No Wheels

Part No: 7241420

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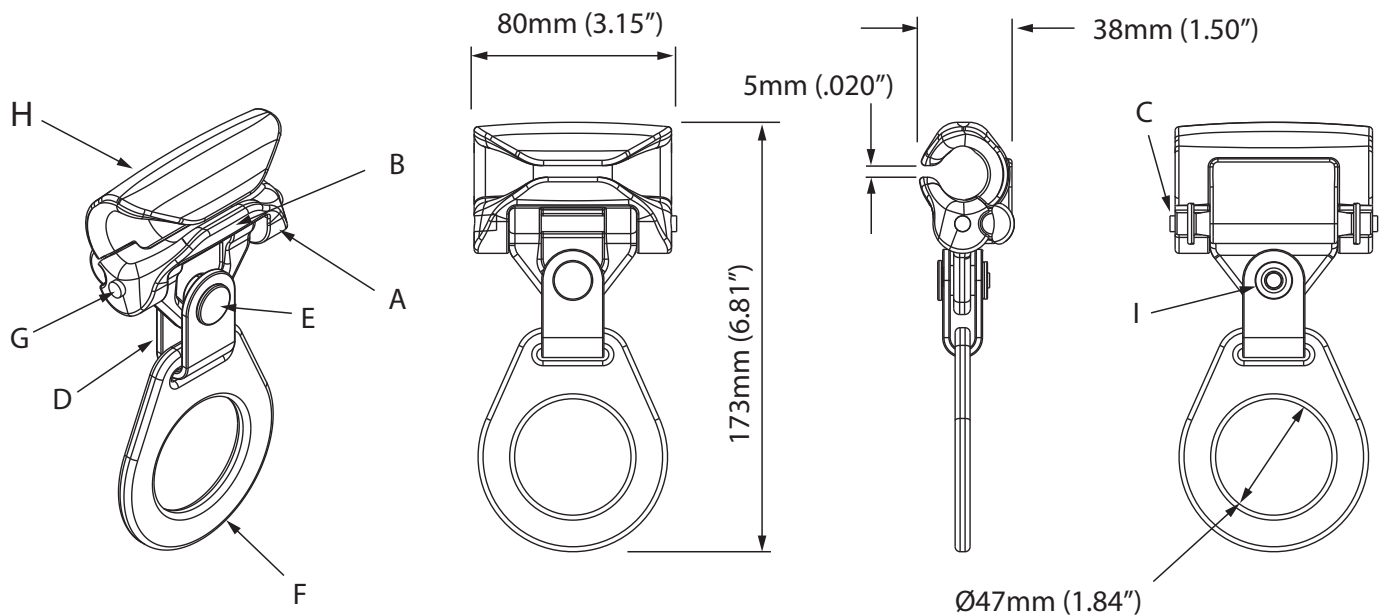
APPLICATION:

For use as an attachment device for a single user in conjunction with DBI-SALA 8mm Horizontal Lifeline Systems.

To prolong the life of the product, do not leave on the system when not in use.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)

Capacity: 1 user, 140 kg (310lbs) maximum including clothing and tools.



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.78 (1.7)	22.2 (5000)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Detachable Lower Body	17-4 Stainless Steel	Nickel
B	2	Spring (Internal)	316 Stainless Steel	Natural
C	2	Detachable Locking Pin	15-5 Stainless Steel	Electropolished
D	1	Traveler Clevis	316 Stainless Steel	Electropolished
E	1	Traveler Rivet	316 Stainless Steel	Natural
F	1	D-Ring	316 Stainless Steel	Electropolished
G	1	Pin	316 Stainless Steel	Natural
H	1	Upper Body	17-4 Stainless Steel	Nickel
I	1	Rivet Cup	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241421

Overhead Traveler

Part No: 7241421

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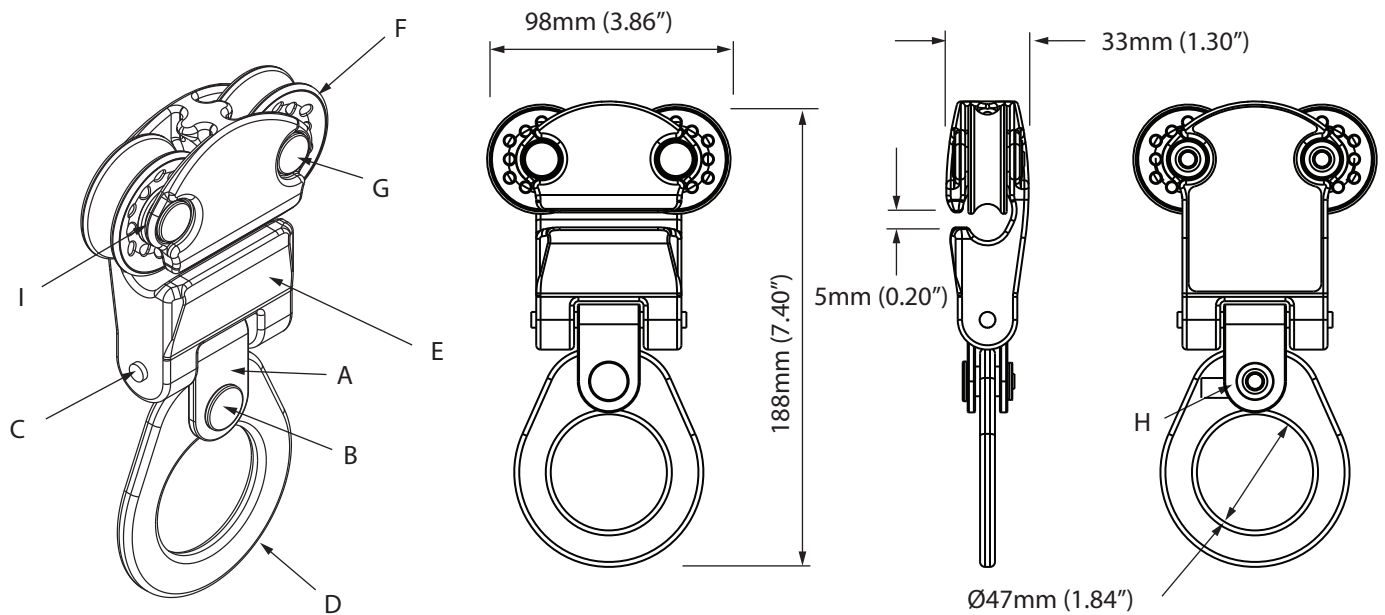
Fall Protection

APPLICATION:

For use as an attachment device for a single user in conjunction with DBI-SALA 8mm Horizontal Lifeline Systems. This traveler is permanently installed during system installation.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)

Capacity: 1 user, 140 kg (310lbs) maximum including clothing and tools.



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.2 (2.6)	22.2 (5000)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis Traveler	316 Stainless Steel	Electropolished
B	1	Traveler Rivet	316 Stainless Steel	Natural
C	1	Pin	316 Stainless Steel	Natural
D	1	D-Ring	316 Stainless Steel	Electropolished
E	1	Traveler Body	17-4 Stainless Steel	Nickel
F	2	Traveler Wheel	316 Stainless Steel	Natural
G	2	OH Rivet	316 Stainless Steel	Natural
H	3	Rivet Cup	316 Stainless Steel	Natural
I	4	Bearing	300 & 400 Stainless Steel	Nickel & Mineral Oil

TECHNICAL DATA SHEET: 7240212

8mm 1x19 Stainless Steel Cable

Part No: 7240212

3M



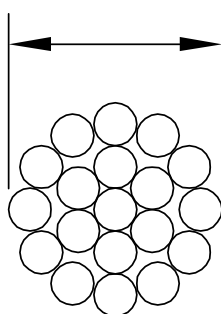
Fall Protection

APPLICATION:

Used for 8m Permanent Horizontal Lifeline applications.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)

Ø 8mm (0.32")



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.31 / m (0.21 / ft)	47 (10600)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	8mm 1x19 Stainless Steel Cable	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7240211

8mm 7x7 SS Cable

Part No: 7240211

3M

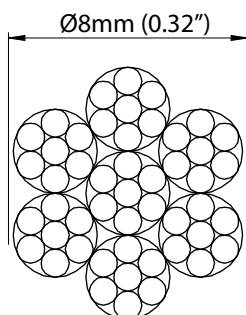


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APPLICATION:

Used for 8m Permanent Horizontal Lifeline applications.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.242 / m (0.162 / ft)	38.7 (8700)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	8mm 7 x 7 Stainless Steel Cable	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241417

Anchor Plate Standard

Part No: 7241417

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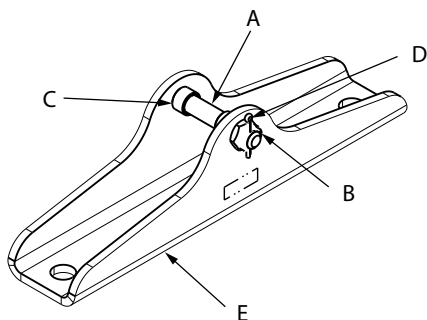
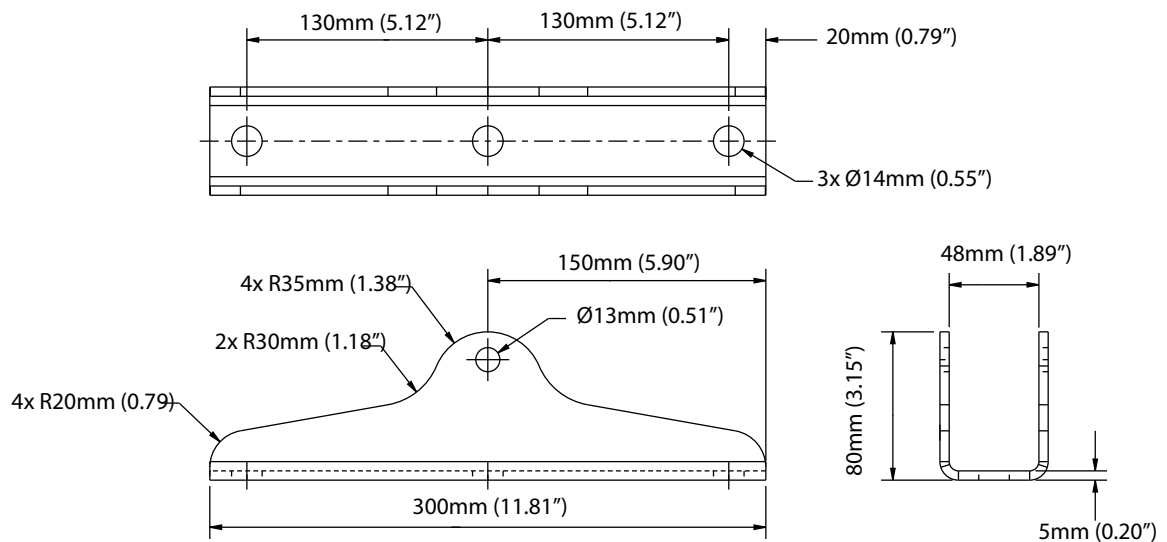
APPLICATION:

The Standard Anchor Plate is designed as a multipurpose end anchor for wall and overhead horizontal systems where the mounting application requires more than a single fixing in order to achieve the required anchor strength.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fasteners should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and SRL or Lanyard connecting device.

Cable Tensioning: 0.8 or 5.0 kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.5 (3.3)	45 (10000)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Pin	316 Stainless Steel	Natural
B	1	M12 Castle Nut	316 Stainless Steel	Natural
C	2	Spacer	Nylon	Natural
D	1	Split Pin	316 Stainless Steel	Natural
E	1	Anchor Bracket	316 Stainless Steel	Electropolished

TECHNICAL DATA SHEET: 7240122

Straight Eye

Part No: 7240122

3M

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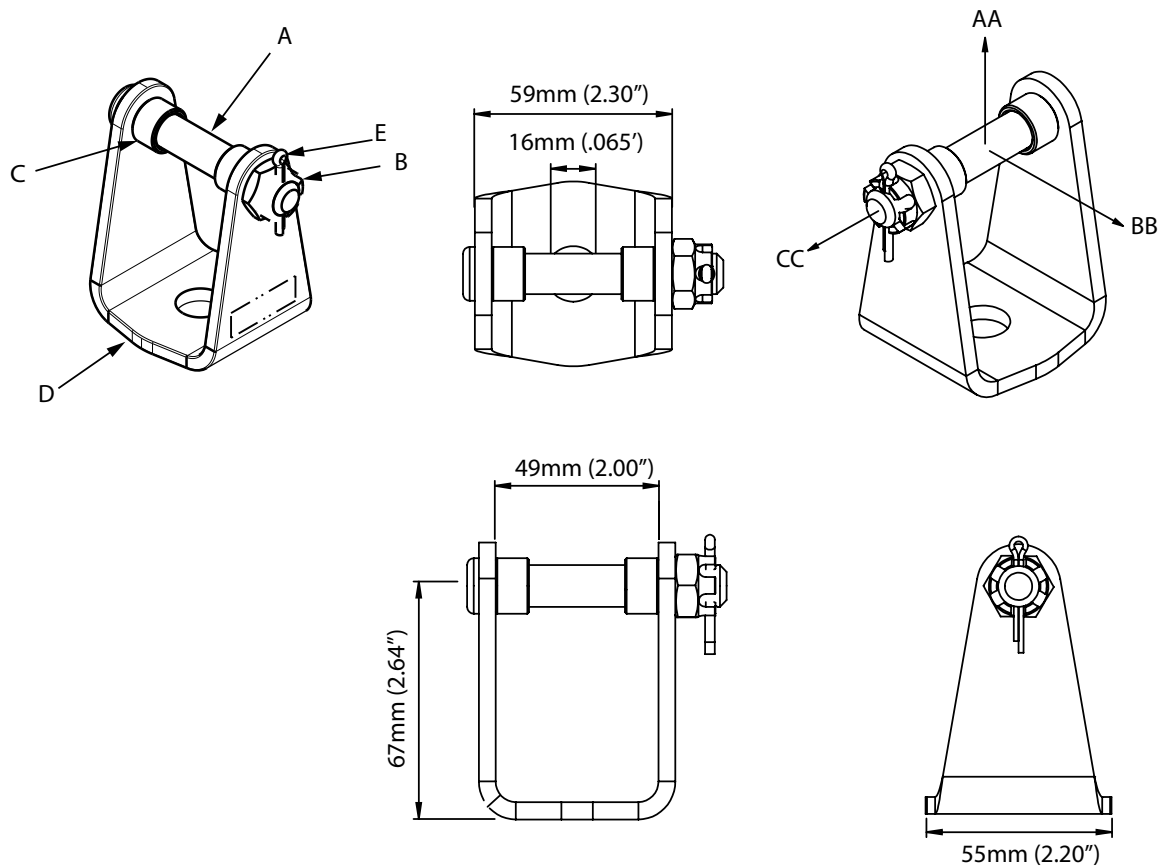
APPLICATION:

The Straight Eye is designed as a multipurpose end anchor for wall and overhead horizontal systems.

Minimum grade A4-70 M16 (or 316 Stainless Steel, 100,000psi, 5/8-11 inch) fastener should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and SRL or Lanyard connecting device.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)

Safe to load in direction AA & BB. DO NOT LOAD IN DIRECTION CC



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.35 (0.8)	45 (10000)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Pin	316 Stainless Steel	Natural
B	1	M12 Castle Nut	316 Stainless Steel	Natural
C	1	Spacer	Nylon	Natural
D	1	Forming	316 Stainless Steel	Electropolished
E	1	Split Pin	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241412

Intermediate Bracket

Part No: 7241412

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APPLICATION:

Standard intermediate bracket for post, floor, or wall mount.

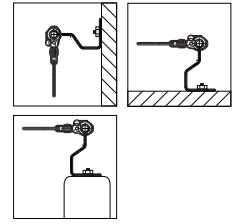
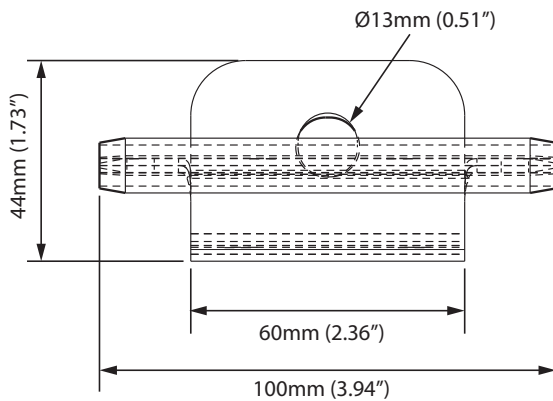
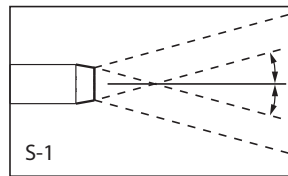
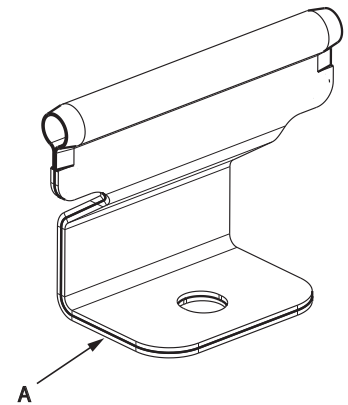
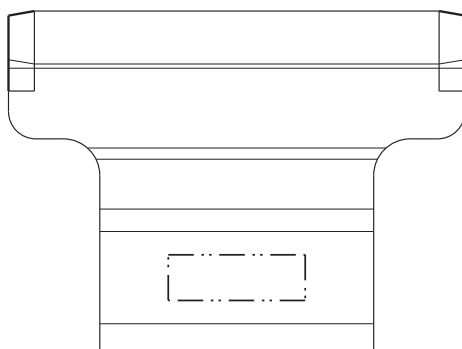
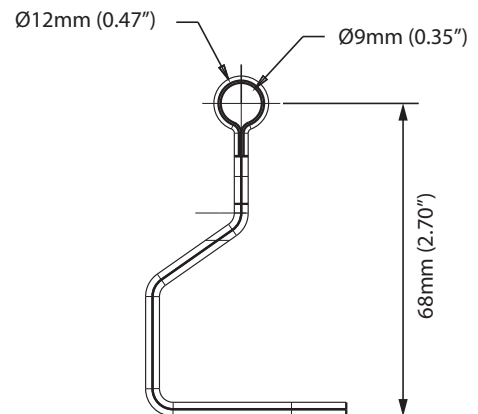
Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fasteners should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf) [30Nm (22 ft-lbf) for fitting to a Roofsafe Anchor].

Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and SRL or Lanyard connecting device.

Tip over post mounted applications are not currently supported by the calculation software and should be designed for 22.2 kN (5000 lbf) in all directions of loading.

Cable Tensioning: 0.8 kN or 5.0 kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)	(S-1) Cable Exit Angle
0.2 (0.4)	38 (8540)	15° Maximum (0° for 5kN Tension)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Intermediate Bracket	316 Stainless Steel	Electropolished

TECHNICAL DATA SHEET: 7241413

Variable Intermediate Bracket

Part No: 7241413

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APPLICATION:

Used to accommodate system cable redirection at small angles. Field formable at time of installation. Post, floor or wall mounting.

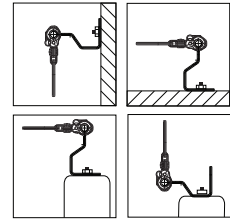
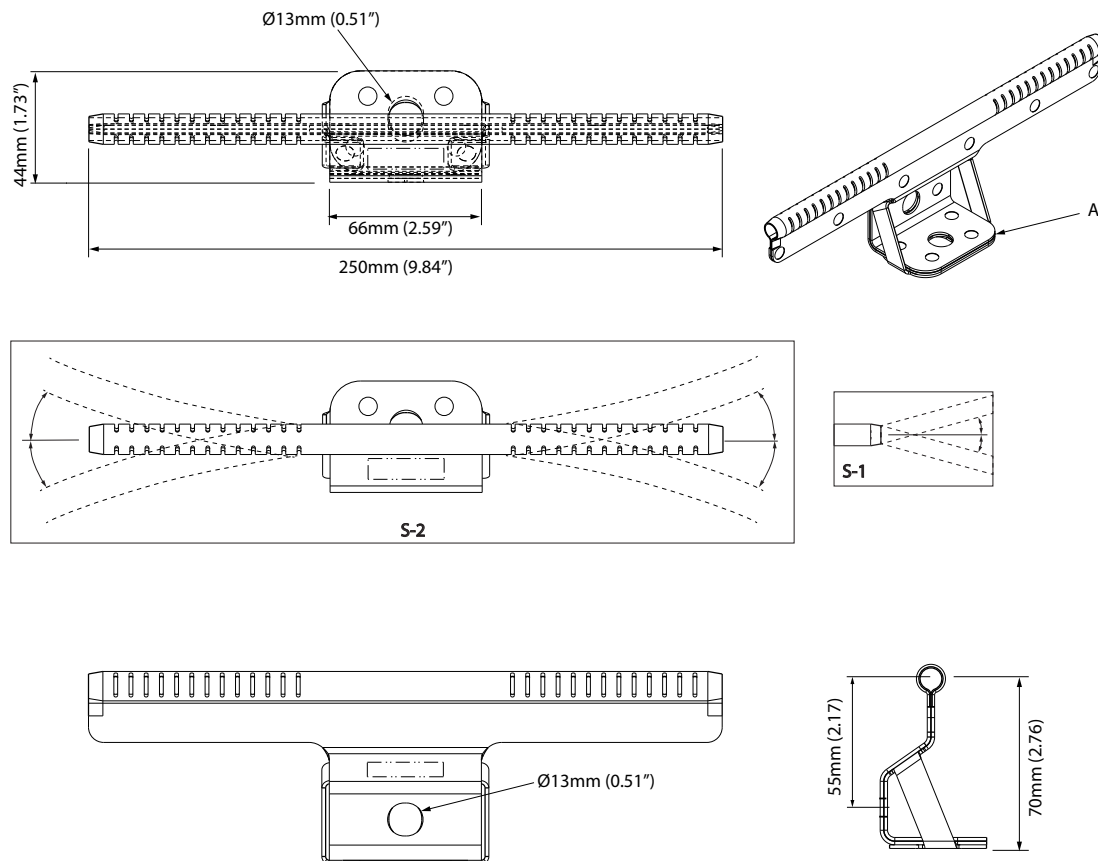
Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fasteners should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf) [30Nm (22 ft-lbf) for fitting to a Roofsafe Anchor].

Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and SRL or Lanyard connecting device.

Tip over post mounted applications are not currently supported by the calculation software and should be designed for 22.2 kN (5000 lbf) in all directions of loading.

Cable Tensioning: 0.8 kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Breaking Strength kN (lb)	(S-1) Cable Exit Angle	(S-2) Formation Angle
0.3 (0.7)	30 (6750)	15° Maximum	15° Maximum

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Variable Intermediate Bracket	316 Stainless Steel	Electropolished

TECHNICAL DATA SHEET: 7241414

Variable Mount Angle Intermediate Bracket

Part No:7241414

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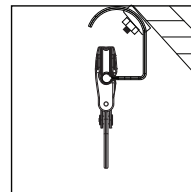
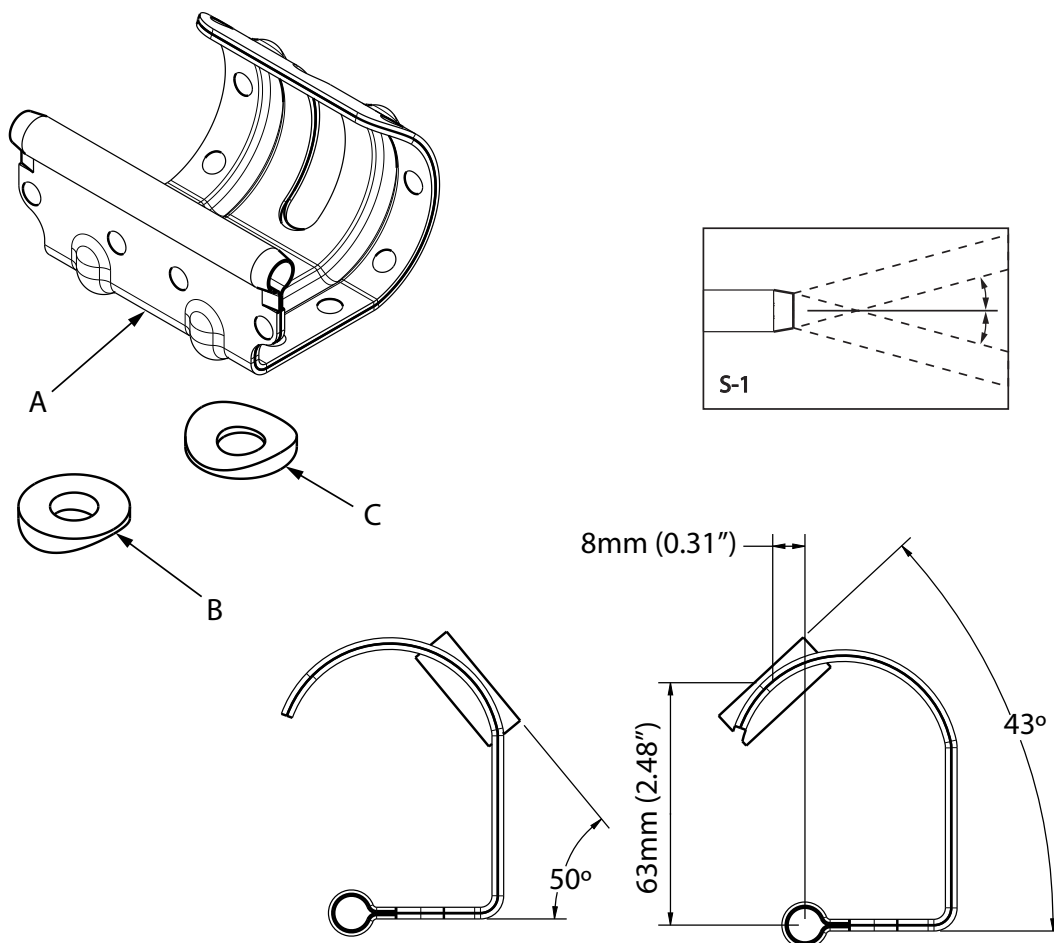
APPLICATION:

Intermediate bracket with adjustability in mounting angle for installation onto underside of pitched roof while maintaining optimum traveler engagement angle.

Cable Tensioning: 0.8 kN or 5.0 kN

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fastener should be used to fix the bracket to the structure at a recommended torque of 50 Nm (37 ft-lbf). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and SRL or Lanyard connecting device.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)	(S-1) Cable Exit Angle
0.28 (0.6)	24 (5400)	15° Maximum (0° for 5kN Tension)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Formed Bracket	316 Stainless Steel	Electropolished
B	1	Saddle Washer, Upper	316 Stainless Steel	Natural
C	1	Saddle Washer, Lower	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241415

45 Degree Intermediate Bracket

Part No: 7241415

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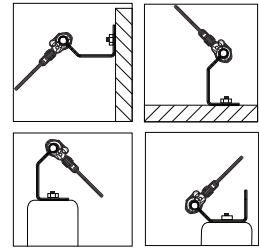
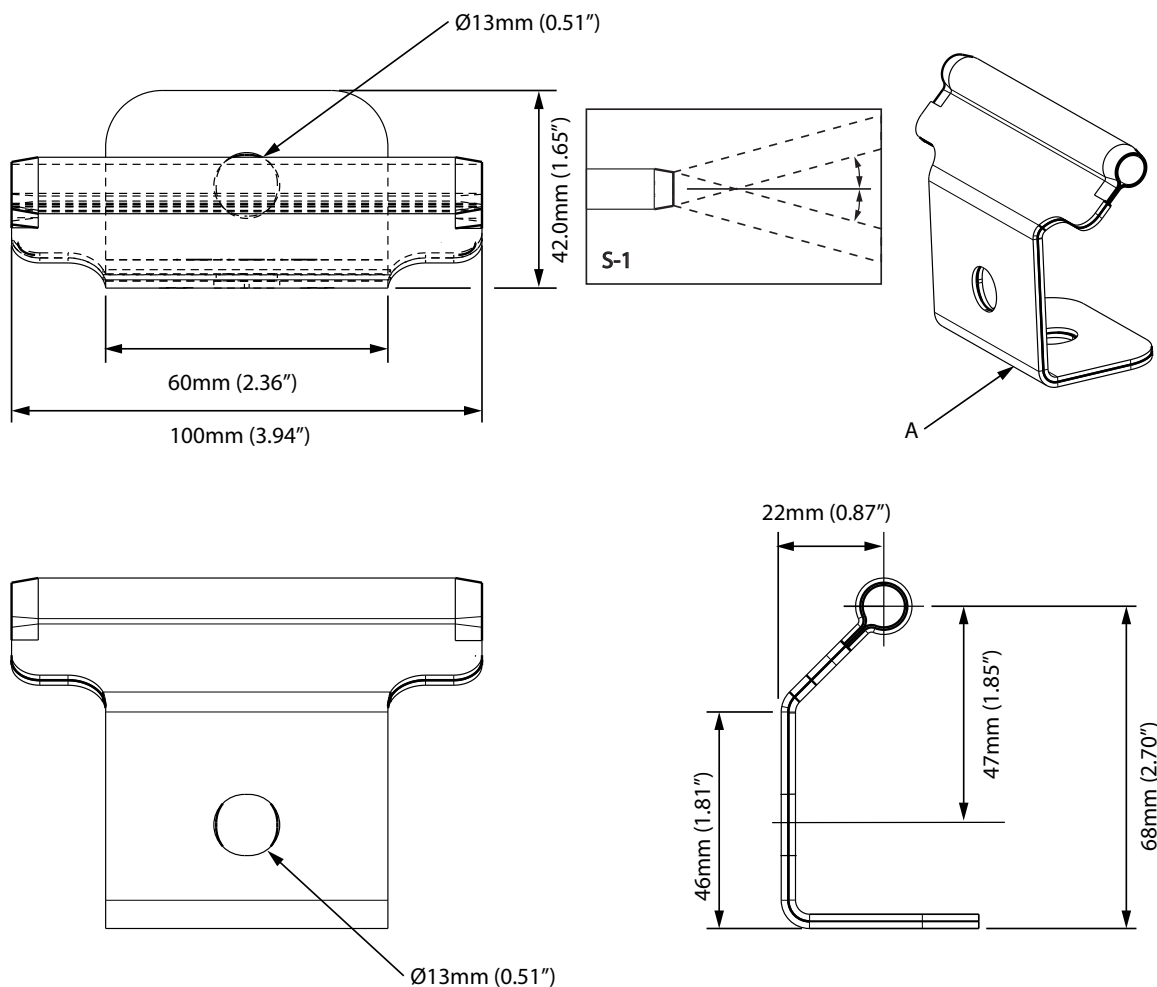
APPLICATION:

Intermediate bracket for post, floor, or wall mount when a 45 degree interfacing angle is desired over the standard vertical bracket. Post, floor or wall mounting.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fasteners should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and SRL or Lanyard connecting device.

Cable Tensioning: 0.8 kN or 5.0 kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)	(S-1) Cable Exit Angle
0.19 (0.4)	24 (5400)	15° Maximum (0° for 5kN Tension)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	45 Degree Intermediate Bracket	316 Stainless Steel	Electropolished

TECHNICAL DATA SHEET: 7241406

90 Degree Internal Corner

Part No:7241406

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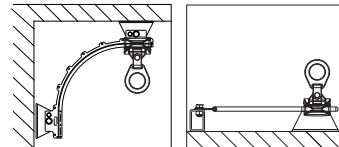
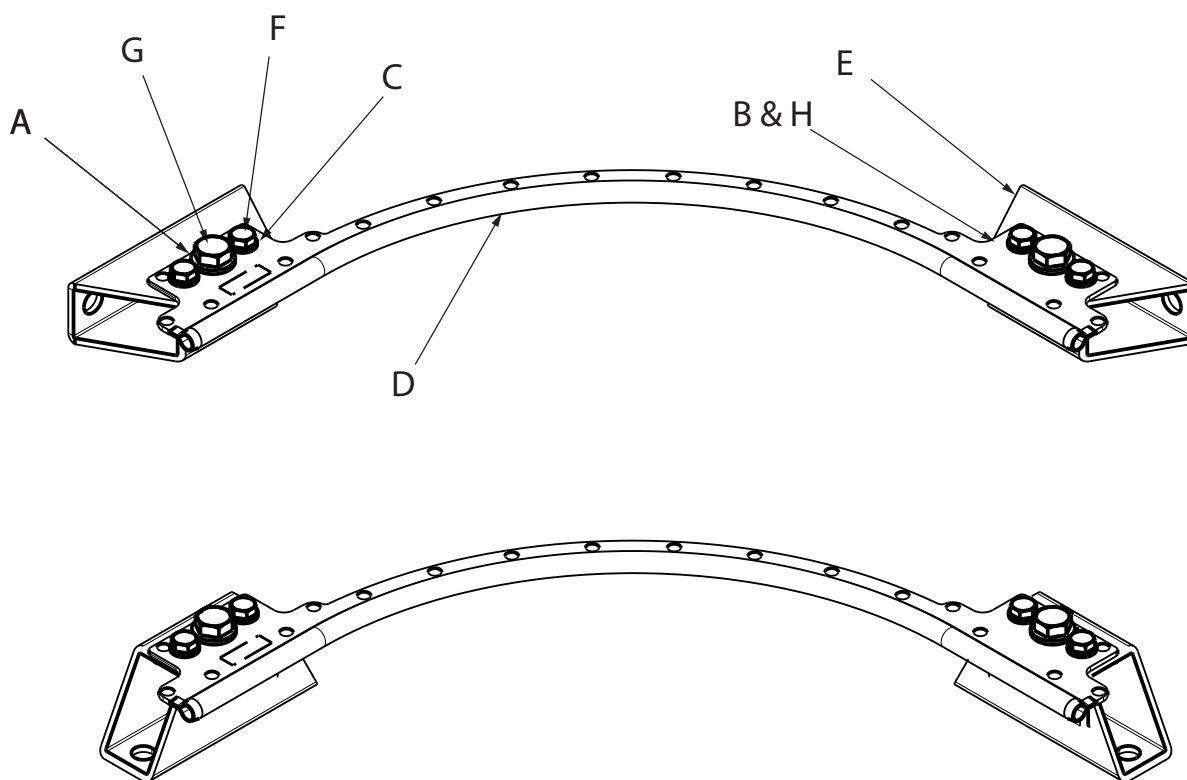
APPLICATION:

Used to allow 90 degree internal direction change in the system.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fasteners should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixings shall support bracket load of 38kN (8550lbf) in the plane of the lifeline and a load of 24kN (5400lbf) perpendicular to the lifeline.

Cable Tensioning: 0.8 kN or 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.8 (4)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	2	M12 Washer	316 Stainless Steel	Natural
B	2	M12 Nut	316 Stainless Steel	Natural
C	4	M8 Washer	316 Stainless Steel	Natural
D	1	Corner Bracket	316 Stainless Steel	Electropolished
E	2	Corner Bracket Mount	316 Stainless Steel	Electropolished
F	4	M8 x 1.25 x 15mm Bolt	316 Stainless Steel	Natural
G	2	M12 x 1.75 x 25mm Bolt	316 Stainless Steel	Natural
H	2	M12 Lock Washer	316 Stainless Steel	Natural

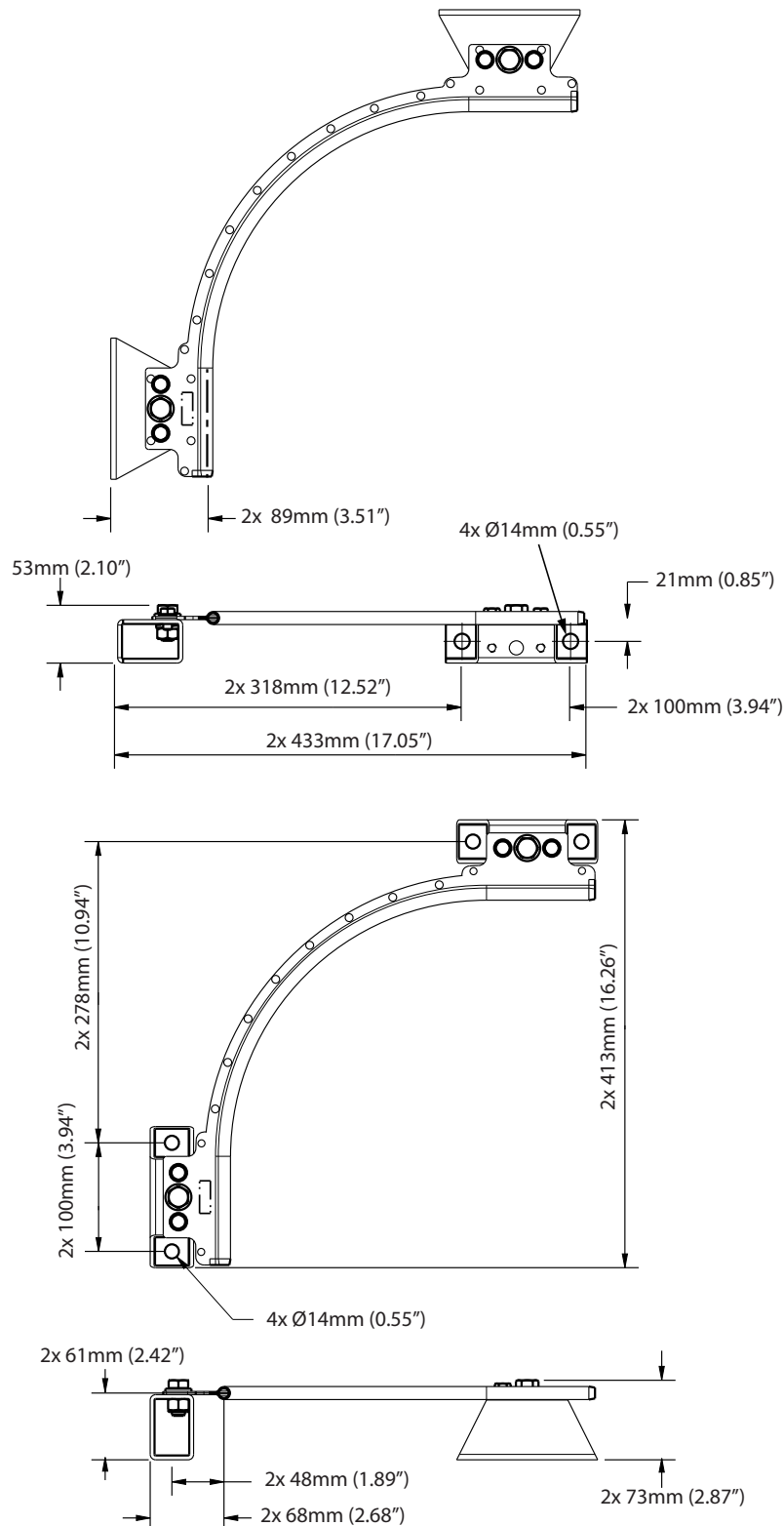
TECHNICAL DATA SHEET: 7241406

90 Degree Internal Corner

Part No 7241406



Fall Protection



TECHNICAL DATA SHEET: 7241526

90 Degree Internal Corner, Wall Mount

Part No 7241526

3M

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Fall Protection

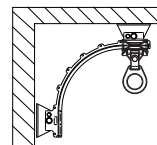
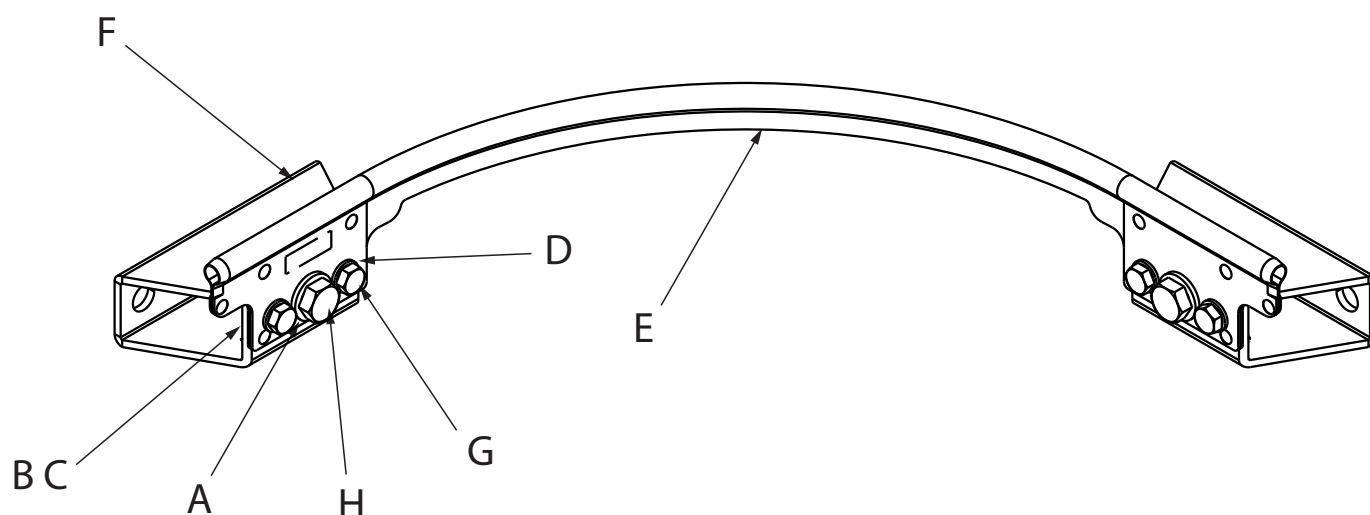
APPLICATION:

This corner is recommended for wall mount applications from knee to d-ring height.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fastener should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixings shall support bracket load of 38kN (8550lbf) in the plane of the lifeline and a load of 24kN (5400lbf) perpendicular to the lifeline.

Cable Tensioning: 0.8 kN or 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.8 (4)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	2	M12 Washer	316 Stainless Steel	Natural
B	2	M12 Nut	316 Stainless Steel	Natural
C	2	M12 Lock Washer	316 Stainless Steel	Natural
D	4	M8 Washer	316 Stainless Steel	Electropolished
E	1	Corner Bracket	316 Stainless Steel	Electropolished
F	2	Corner Bracket Mount	316 Stainless Steel	Natural
G	4	M8 x 1.25 x 15mm Bolt	316 Stainless Steel	Natural
H	2	M12 x 1.75 x 25mm Bolt	316 Stainless Steel	Natural

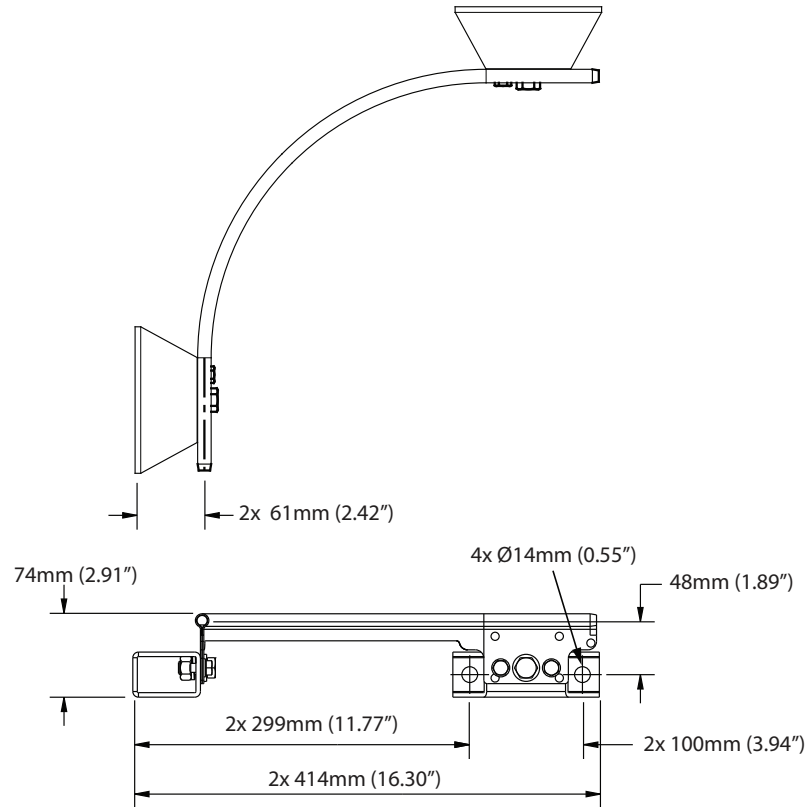
TECHNICAL DATA SHEET: 7241526

90 Degree Internal Corner, Wall Mount

Part No 7241526



Fall Protection



TECHNICAL DATA SHEET: 7241407

90 Degree External Corner

Part No: 7241407

3M

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Fall Protection

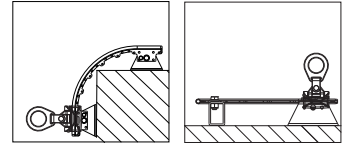
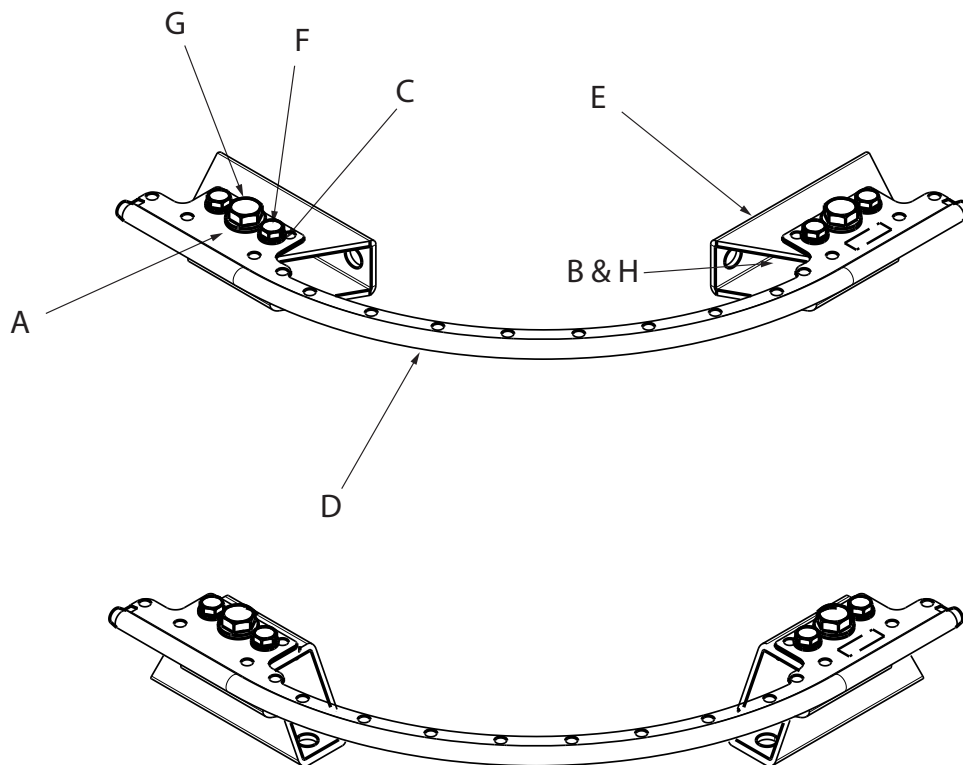
APPLICATION:

Used to allow 90 degree internal direction change in the system.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fastener should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixings shall support bracket load of 38kN (8550lbf) in the plane of the lifeline and a load of 24kN (5400lbf) perpendicular to the lifeline

Cable Tensioning: 0.8 kN or 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.9 (4.2)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	2	M12 Washer	316 Stainless Steel	Natural
B	2	M12 Nut	316 Stainless Steel	Natural
C	4	M8 Washer	316 Stainless Steel	Natural
D	1	Corner Bracket	316 Stainless Steel	Electropolished
E	2	Corner Bracket Mount	316 Stainless Steel	Electropolished
F	4	M8 x 1.25 x 15mm Bolt	316 Stainless Steel	Natural
G	2	M12 x 1.75 x 25mm Bolt	316 Stainless Steel	Natural
H	2	M12 Lock Washer	316 Stainless Steel	Natural

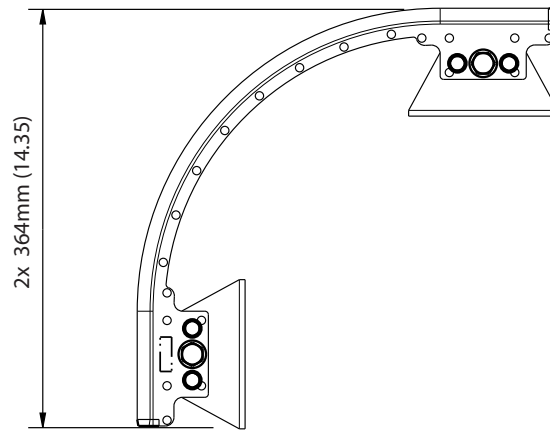
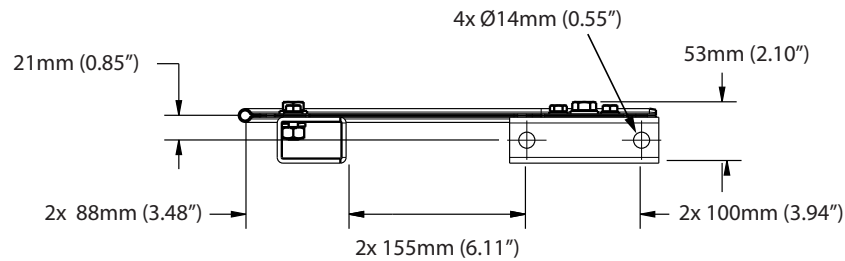
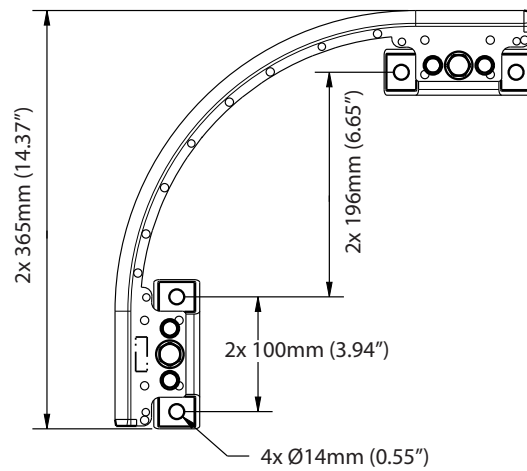
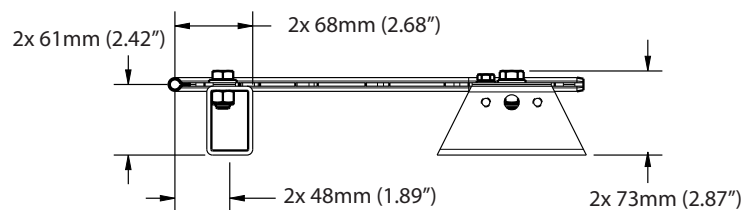
TECHNICAL DATA SHEET: 7241407

90 Degree External Corner

Part No 7241407



Fall Protection



TECHNICAL DATA SHEET: 7241525

90 degree External Corner, Wall Mount

Part No: 7241525

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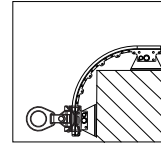
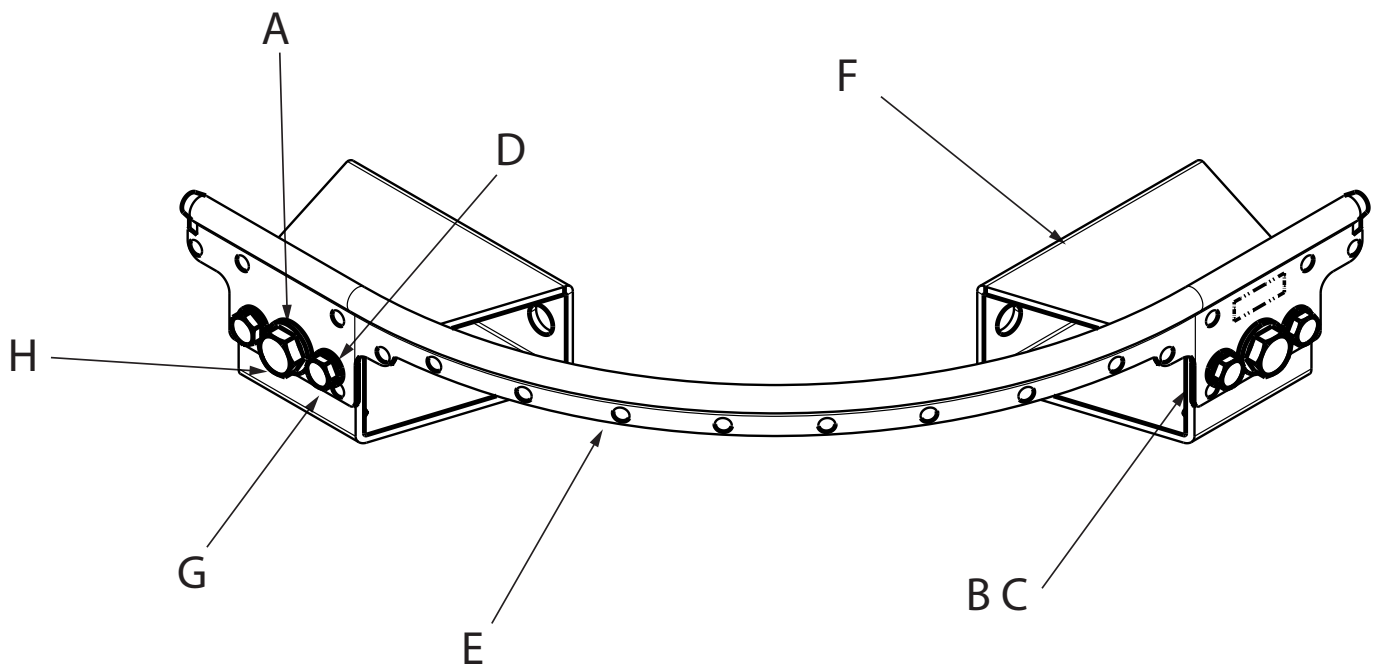
APPLICATION:

This corner is recommended for wall mount applications from knee to d-ring height.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fastener should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixings shall support bracket load of 38kN (8550lbf) in the plane of the lifeline and a load of 24kN (5400lbf) perpendicular to the lifeline

Cable Tensioning: 0.8 kN or 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.9 (4.2)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	2	M12 Washer	316 Stainless Steel	Natural
B	2	M12 Nut	316 Stainless Steel	Natural
C	2	M12 Lock Washer	316 Stainless Steel	Natural
D	4	M8 Washer	316 Stainless Steel	Natural
E	1	Corner Bracket	316 Stainless Steel	Electropolished
F	2	Corner Bracket Mount	316 Stainless Steel	Electropolished
G	2	M8 x 1.25 x 15mm Bolt	316 Stainless Steel	Natural
H	4	M12 x 1.75 x 25mm Bolt	316 Stainless Steel	Natural

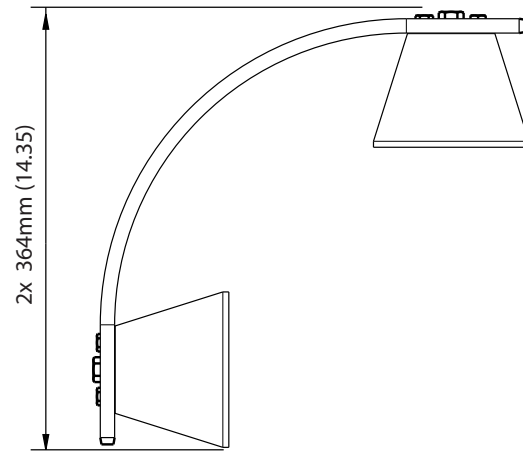
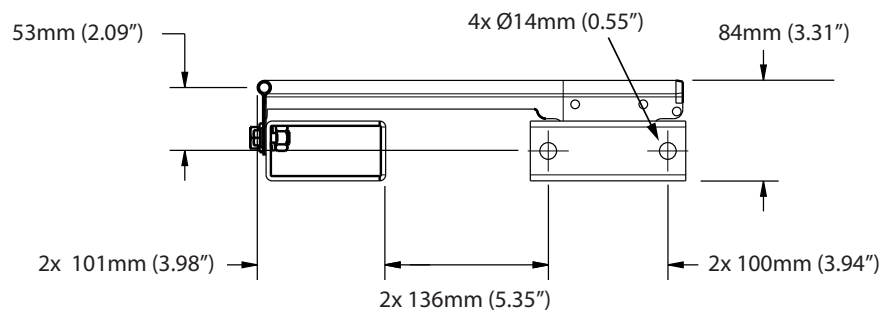
TECHNICAL DATA SHEET: 7241525

90 degree External Corner, Wall Mount

Part No 7241525



Fall Protection



TECHNICAL DATA SHEET: 7241570

45 Degree Internal / External Corner, Wall Mount

Part No 7241570

3M

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Fall Protection

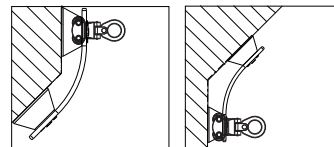
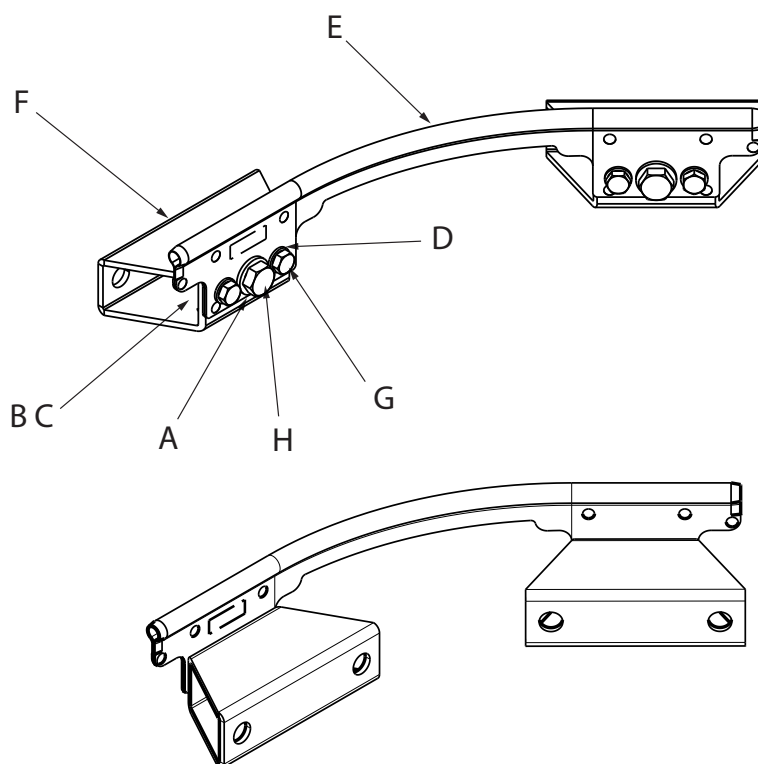
APPLICATION:

This corner is recommended for wall mount applications from knee to d-ring height.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, 1/2 -13 inch) fastener should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixings shall support bracket load of 38kN (8550lbf) in the plane of the lifeline and a load of 24kN (5400lbf) perpendicular to the lifeline.

Cable Tensioning: 0.8 kN or 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.8 (4)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	2	M12 Washer	316 Stainless Steel	Natural
B	2	M12 Nut	316 Stainless Steel	Natural
C	2	M12 Lock Washer	316 Stainless Steel	Natural
D	4	M8 Washer	316 Stainless Steel	Natural
E	1	Corner Bracket	316 Stainless Steel	Electropolished
F	2	Corner Bracket Mount	316 Stainless Steel	Electropolished
G	4	M8 x 1.25 x 15mm Bolt	316 Stainless Steel	Natural
H	2	M12 x 1.75 x 25mm Bolt	316 Stainless Steel	Natural

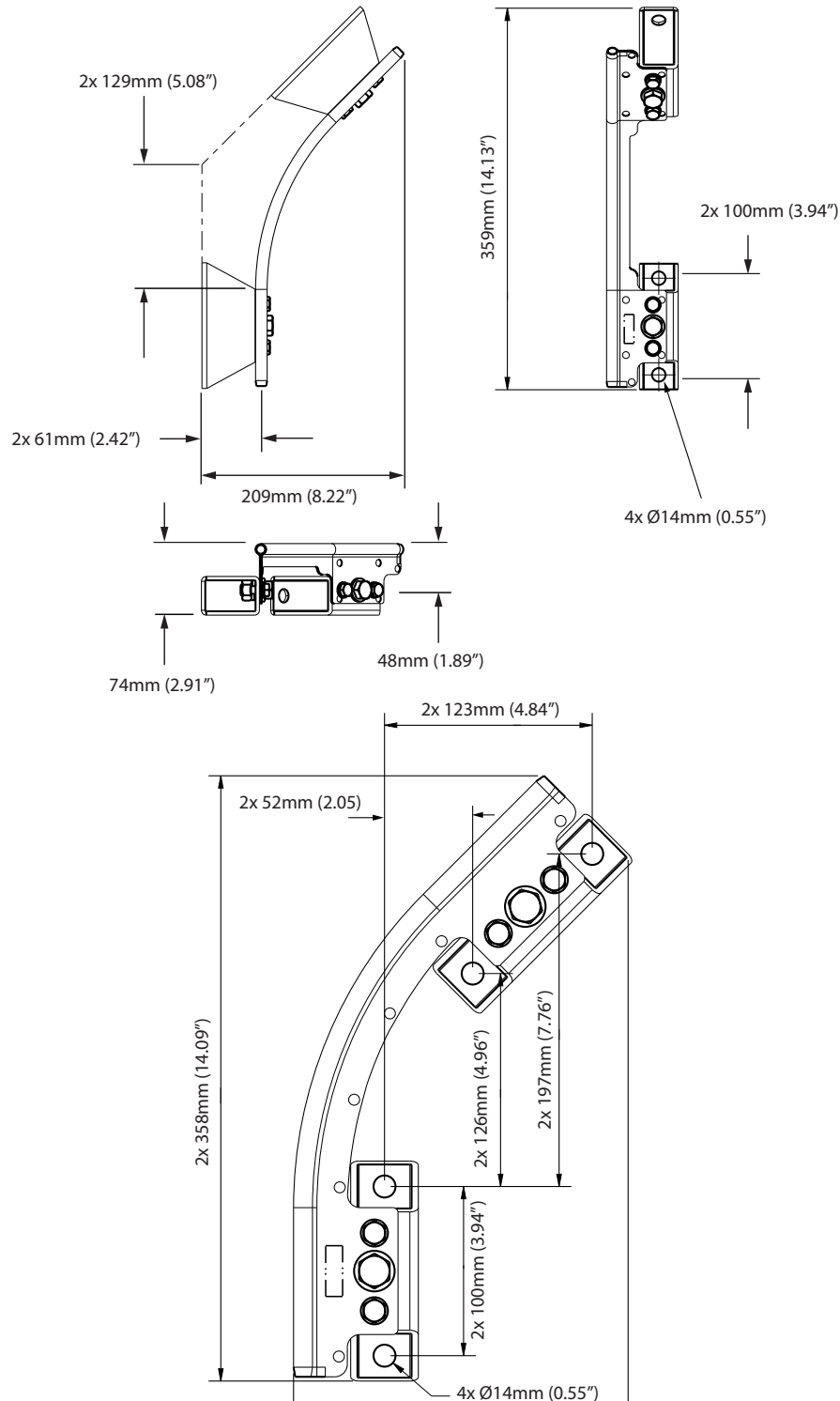
TECHNICAL DATA SHEET: 7241570

45 Degree Internal / External Corner, Wall Mount

Part No 7241570



Fall Protection



TECHNICAL DATA SHEET: 7241408

90 Degree Post Mount Corner

Part No: 7241408

3M

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Fall Protection

APPLICATION:

90 degree corner bracket for post or floor mount.

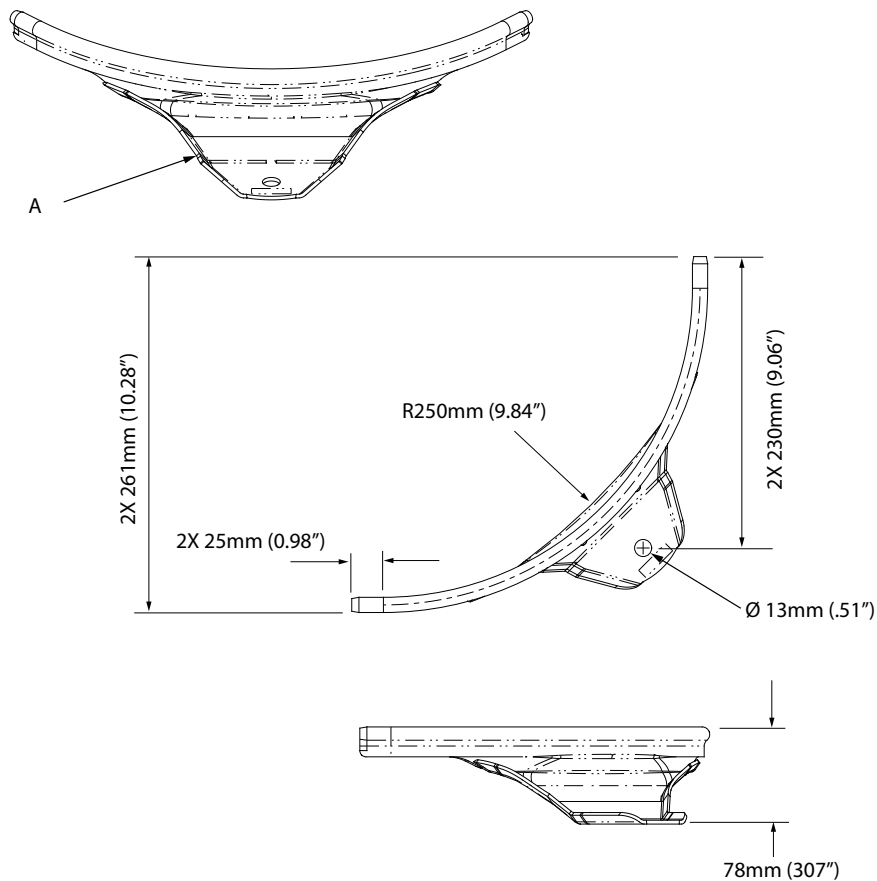
Used to accommodate system cable redirection at 90 degree angles. Only to be used with 7241422 11kN energy absorber or on a Roofsafe End/Corner Module.

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fasteners should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf) [30Nm (22 ft-lbf) for fitting to a Roofsafe Anchor].

Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and SRL or Lanyard connecting device.

Tip over post mounted applications are not currently supported by the calculation software and should be designed for 22.2 kN (5000 lbf) in all directions of loading.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.6 (1.32)	22.2 (5000)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	90 Degree Post Mount Corner	316 Stainless Steel	Electropolished

TECHNICAL DATA SHEET: 7241409

45 Degree Internal Corner

Part No: 7241409

3M

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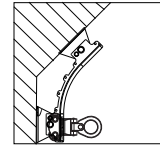
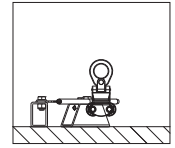
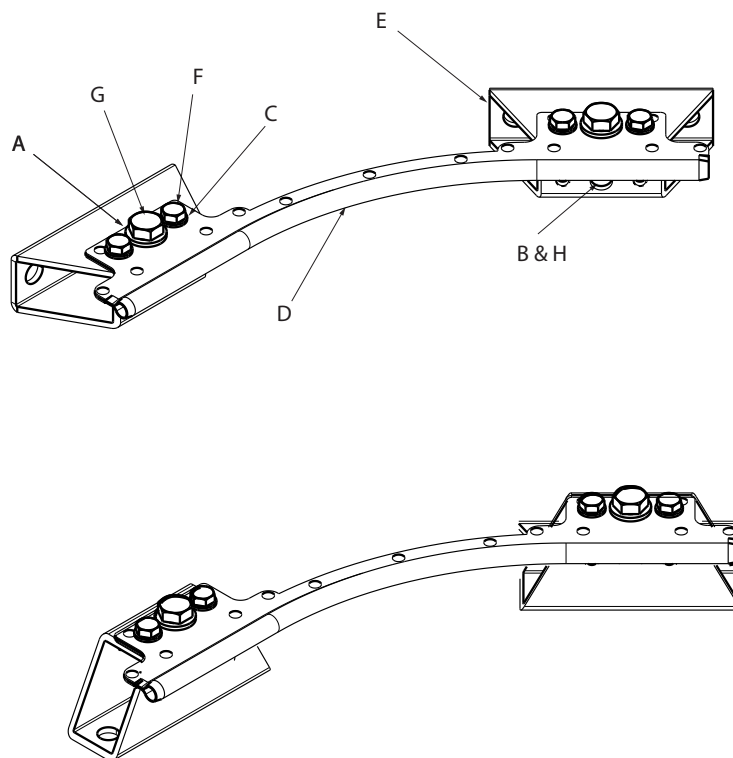
APPLICATION:

Used to allow 45 degree internal direction change in the system. .

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fastener should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixings shall support bracket load of 38kN (8550lbf) in the plane of the lifeline and a load of 24kN (5400lbf) perpendicular to the lifeline

Cable Tensioning: 0.8 kN or 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.6 (3.5)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	2	M12 Washer	316 Stainless Steel	Natural
B	2	M12 Nut	316 Stainless Steel	Natural
C	4	M8 Washer	316 Stainless Steel	Natural
D	1	Corner Bracket	316 Stainless Steel	Electropolished
E	2	Corner Bracket Mount	316 Stainless Steel	Electropolished
F	4	M8 x 1.25 x 15mm Bolt	316 Stainless Steel	Natural
G	2	M12 x 1.75 x 25mm Bolt	316 Stainless Steel	Natural
H	2	M12 Lock Washer	316 Stainless Steel	Natural

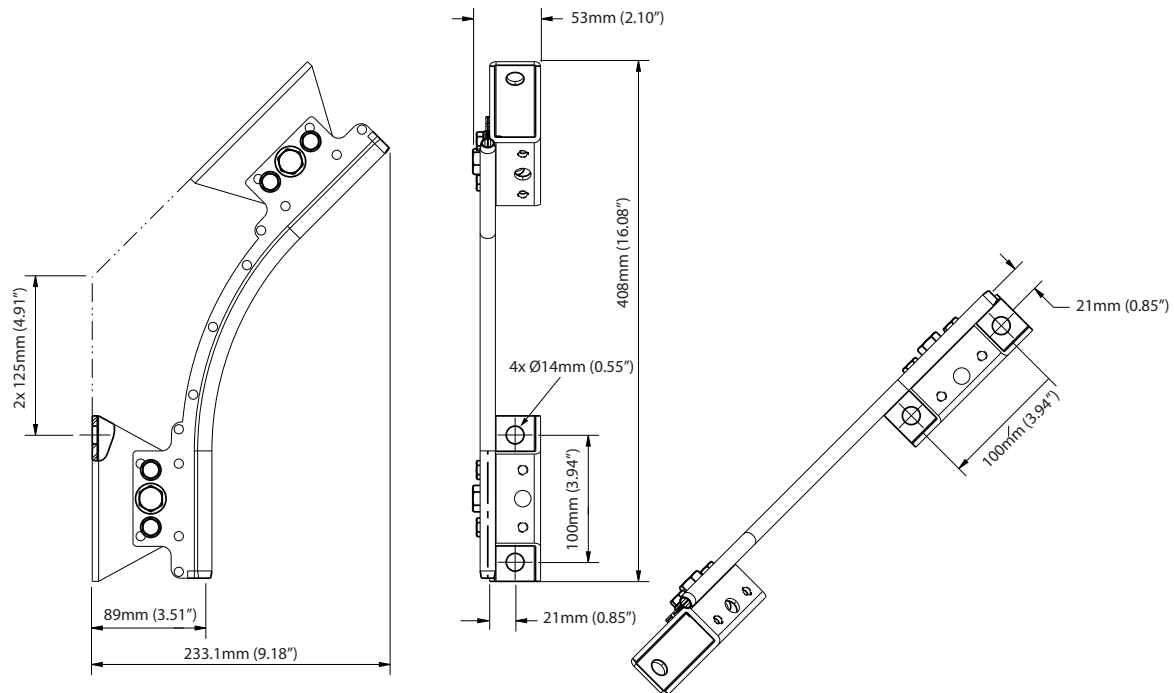
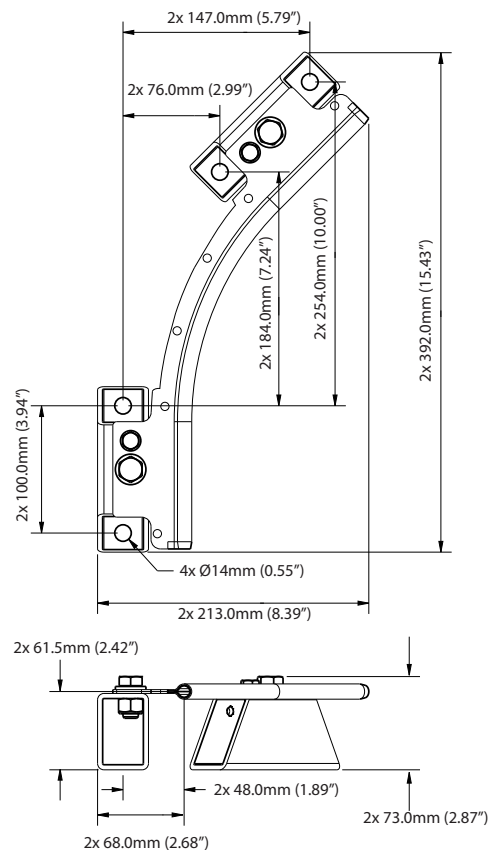
TECHNICAL DATA SHEET: 7241409

45 Degree Internal Corner

Part No 7241409



Fall Protection



TECHNICAL DATA SHEET: 7241410

45 Degree External Corner

Part No: 7241410

3M

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Fall Protection

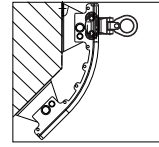
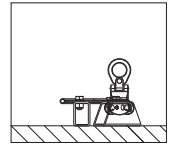
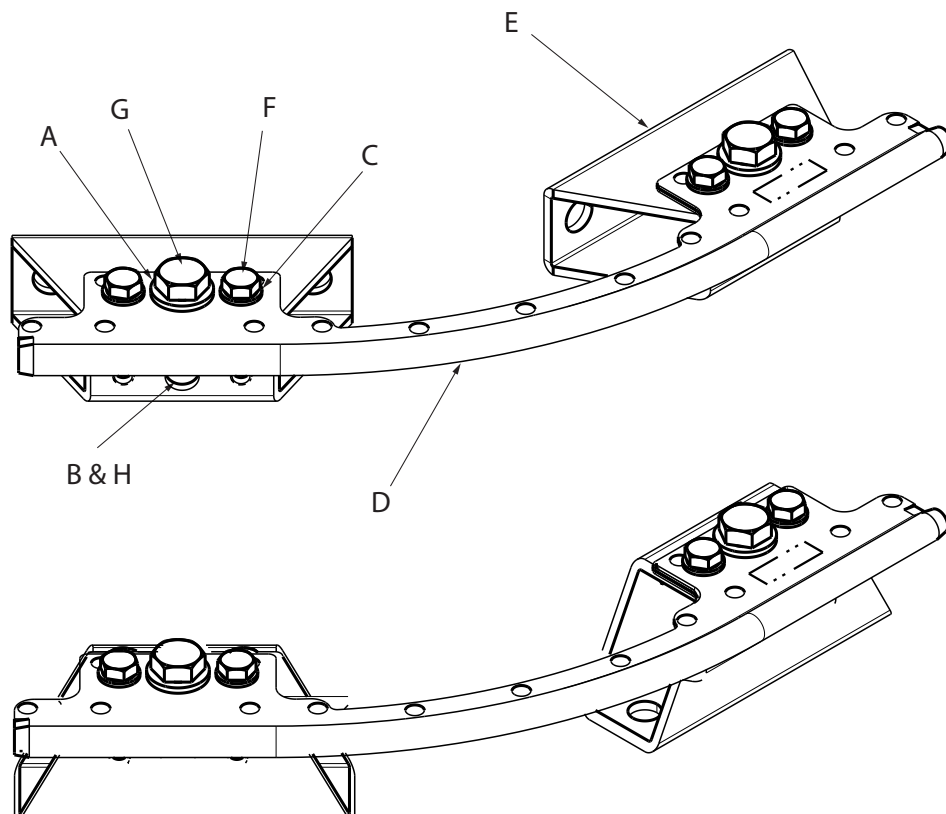
APPLICATION:

Used to allow 45 degree internal direction change in the system. .

Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fastener should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf). Fixings shall support bracket load of 38kN (8550lbf) in the plane of the lifeline and a load of 24kN (5400lbf) perpendicular to the lifeline

Cable Tensioning: 0.8 kN or 5kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
1.6 (3.5)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	2	M12 Washer	316 Stainless Steel	Natural
B	2	M12 Nut	316 Stainless Steel	Natural
C	4	M8 Washer	316 Stainless Steel	Natural
D	1	Corner Bracket	316 Stainless Steel	Electropolished
E	2	Corner Bracket Mount	316 Stainless Steel	Electropolished
F	4	M8 x 1.25 x 15mm Bolt	316 Stainless Steel	Natural
G	2	M12 x 1.75 x 25mm Bolt	316 Stainless Steel	Natural
H	2	M12 Lock Washer	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241410

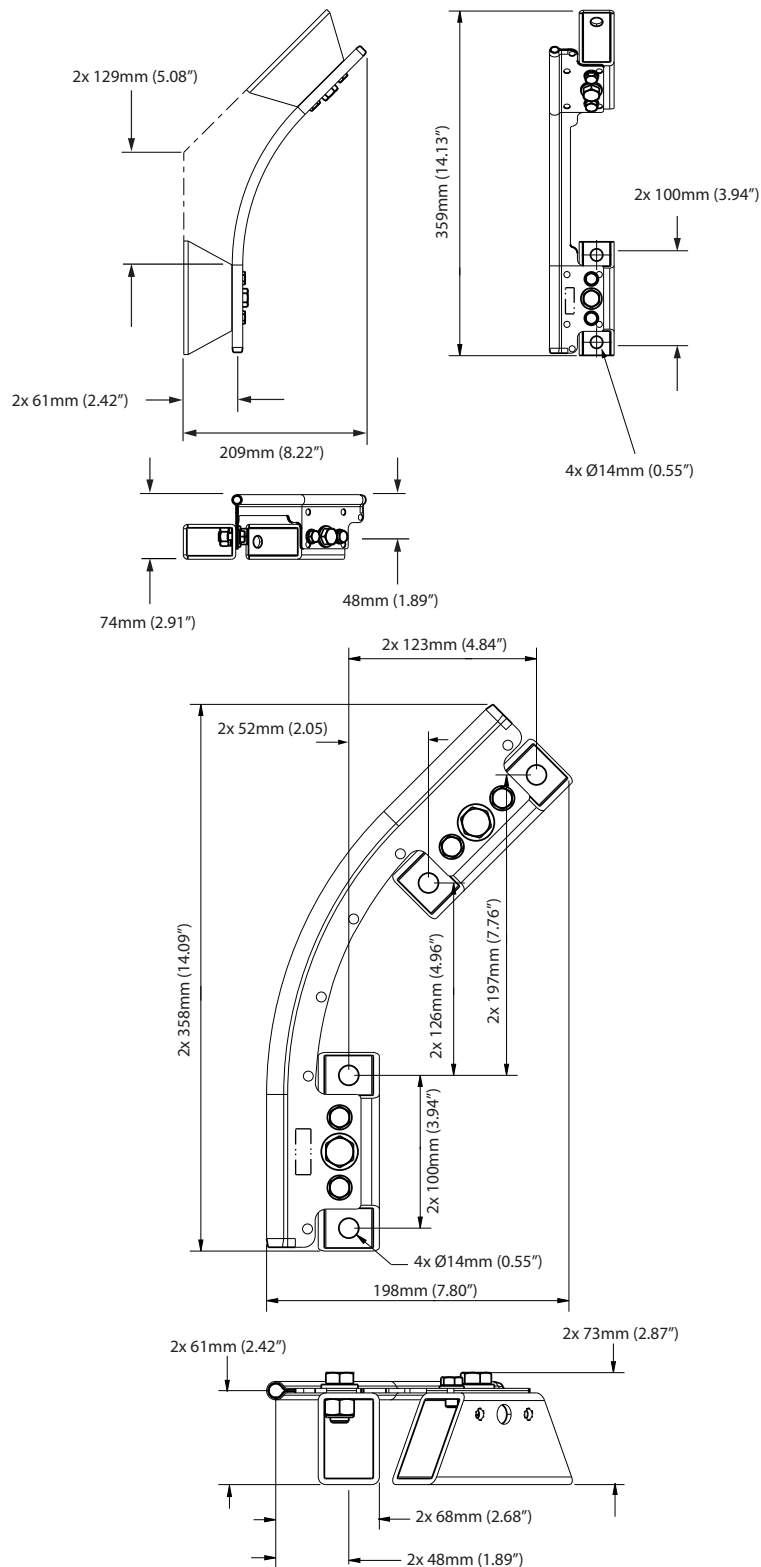
45 Degree External Corner

Part No 7241410

3M

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TECHNICAL DATA SHEET: 7241411

45 Degree Post Mount Corner

Part No: 7241411

3M

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APPLICATION:

45 degree corner bracket for post or floor mount.

Used to accommodate system cable redirection at 45 degree angles. Only to be used with 7241422 11kN energy absorber or on a Roofsafe End/Corner Module.

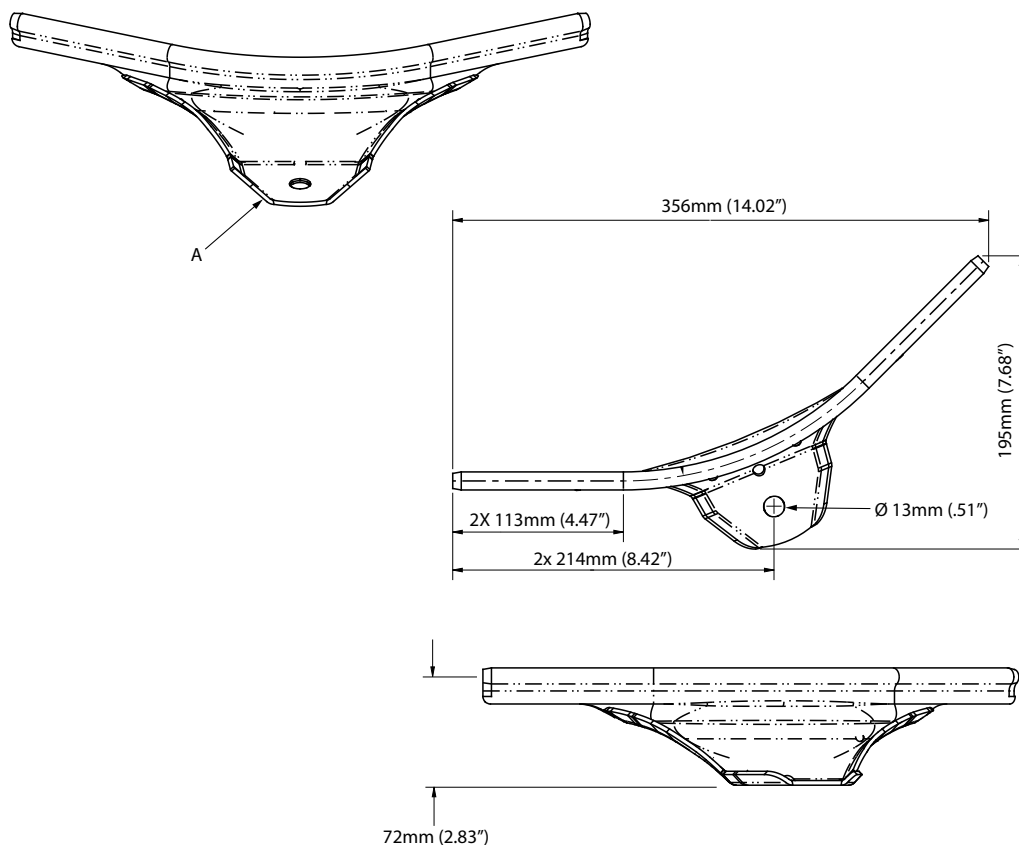
Minimum grade A4-70 M12 (or 316 Stainless Steel, 100,000psi, ½ -13 inch) fasteners should be used to fix bracket to structure at a recommended torque of 50Nm (37 ft-lbf) [30Nm (22 ft-lbf) for fitting to a Roofsafe Anchor].

Fixing shall support at least twice the load values stated in the technical report from the 3M DBI-SALA Installed Systems Calculation Software for the system layout, components, number of users, and SRL or Lanyard connecting device.

Tip over post mounted applications are not currently supported by the calculation software and should be designed for 22.2 kN (5000 lbf) in all directions of loading.

Cable Tensioning: 0.8 kN

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.5 (1.1)	22.2 (5000)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	45 Degree Post Mount Corner	316 Stainless Steel	Electropolished

TECHNICAL DATA SHEET: 7234011

Hex Swage Toggle

Part No: 7234011

3M

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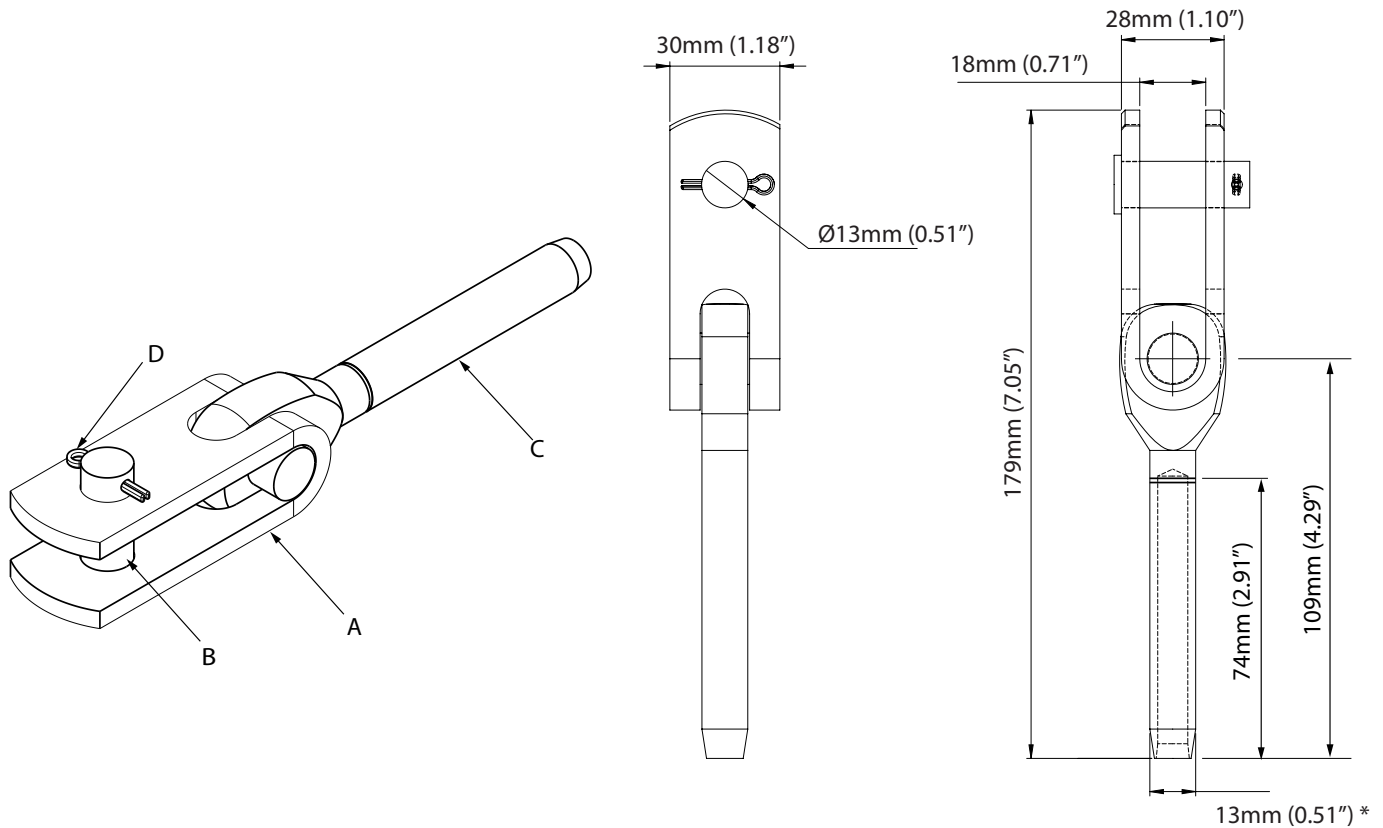
Fall Protection

APPLICATION:

Used to terminate cable at one end of system. For use with 8mm 7x7 or 1x19 cable only.

Refer to installation instructions for information on assembly and installation.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.33 (0.7)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Shackle	316 Stainless Steel	Electropolished
B	1	Clevis	316 Stainless Steel	Electropolished
C	1	Swage Terminal	316 Stainless Steel	Electropolished
D	1	Split Pin	316 Stainless Steel	Electropolished
*		Before Swaging		

TECHNICAL DATA SHEET: 7234246

Hex Swage Toggle, Ball Stop Shoulder

Part No: 7234246

3M

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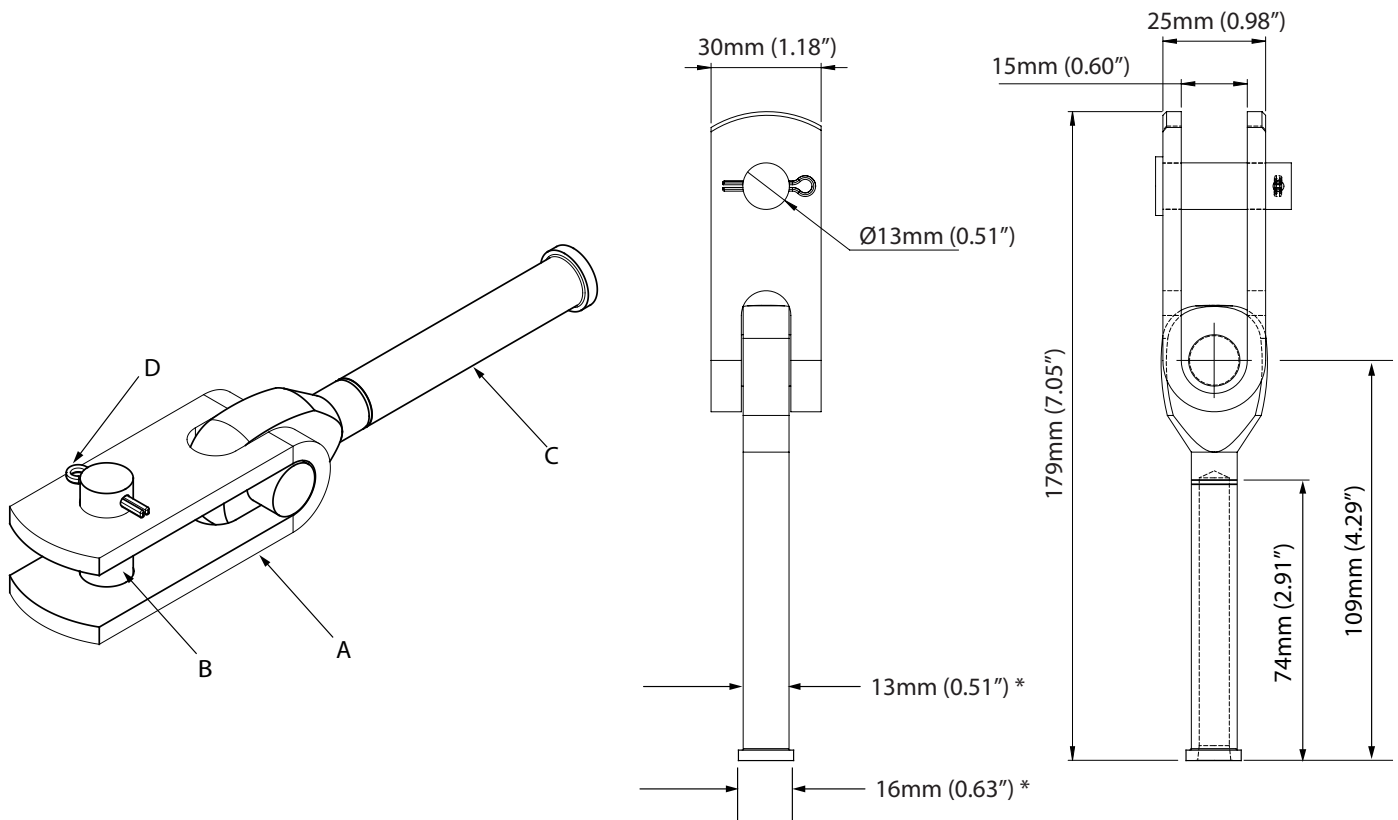
APPLICATION:

This swage toggle is designed to interface with the end stop ball component and provides a machined shoulder to hold the ball in place at the end of the system.

For use with 8mm 7x7 or 1x19 cable only.

Refer to installation instructions for information on assembly and installation.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.33 (0.7)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Shackle	316 Stainless Steel	Electropolished
B	1	Clevis	316 Stainless Steel	Electropolished
C	1	Swage Terminal	316 Stainless Steel	Electropolished
D	1	Split Pin	316 Stainless Steel	Electropolished
*		Before Swaging		

TECHNICAL DATA SHEET: 7240166

8mm Hex Swage Tensioner 0.8kN

Part No: 7240166

3M

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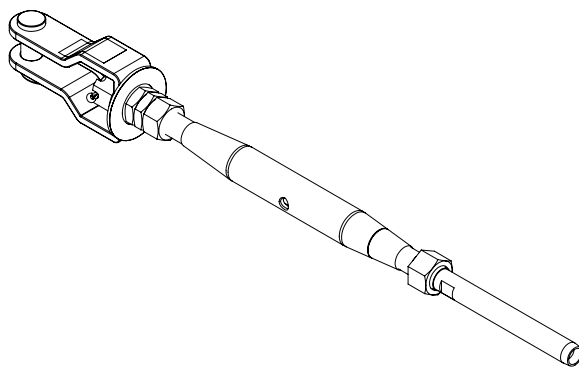
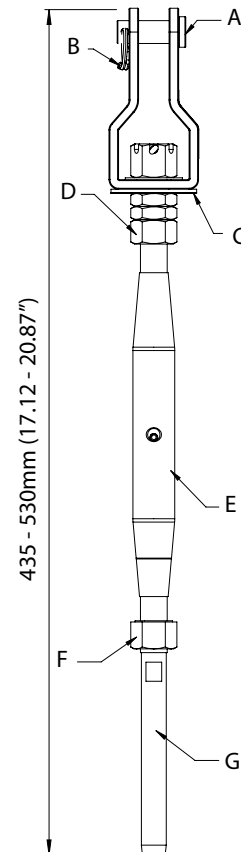
APPLICATION:

The tensioner unit is attached to the anchor point using the clevis pin and split pin. It is used to set the tension of the cable in horizontal applications.

Refer to installation instructions for information on assembly and installation.

For use with 8mm 7x7 or 1x19 cable only.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.85 (1.9)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis Pin	316 Stainless Steel	Natural / Electropolished
B	1	Cotter Pin	316 Stainless Steel	Natural / Electropolished
C	1	Tension Indicator Disc	316 Stainless Steel	Natural / Electropolished
D	1	Lock Nut	316 Stainless Steel	Natural / Electropolished
E	1	Turn Buckle	316 Stainless Steel	Natural / Electropolished
F	1	Lock Nut	316 Stainless Steel	Natural / Electropolished
G	1	Stud	316 Stainless Steel	Natural / Electropolished

TECHNICAL DATA SHEET: 7240109

8mm Hex Swage Tensioner 5kN

Part No: 7240109

3M

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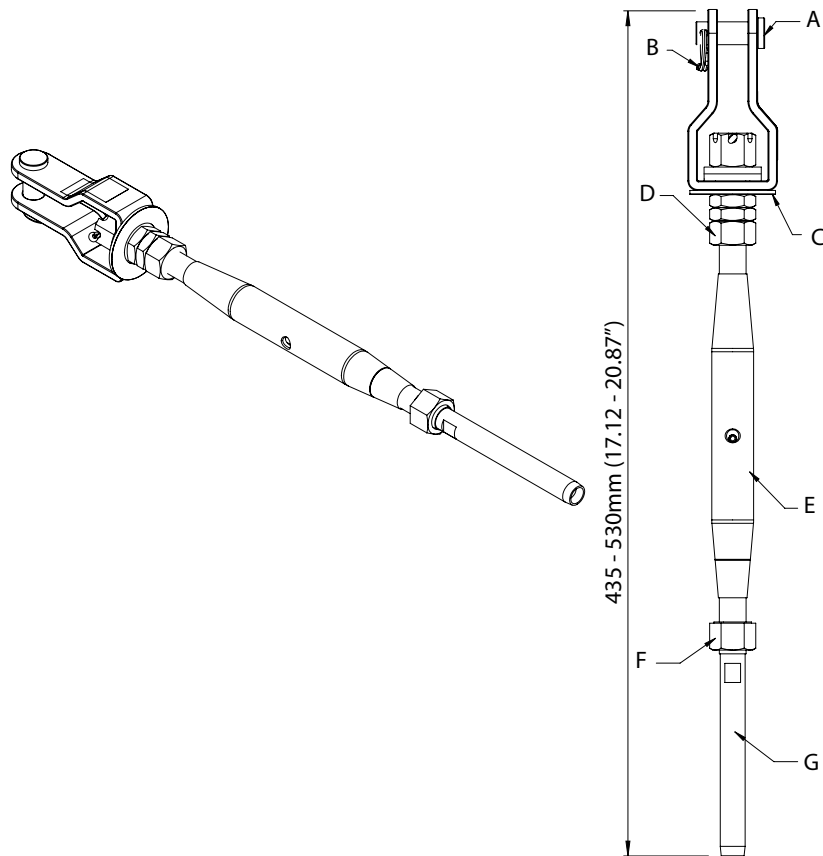
APPLICATION:

The tensioner unit is attached to the anchor point using the clevis pin and split pin. It is used to set the tension of the cable in horizontal applications.

Refer to installation instructions for information on assembly and installation.

For use with 8mm 7x7 or 1x19 cable only.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.85 (1.9)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis Pin	316 Stainless Steel	Natural / Electropolished
B	1	Cotter Pin	316 Stainless Steel	Natural / Electropolished
C	1	Tension Indicator Disc	316 Stainless Steel	Natural / Electropolished
D	1	Lock Nut	316 Stainless Steel	Natural / Electropolished
E	1	Turn Buckle	316 Stainless Steel	Natural / Electropolished
F	1	Lock Nut	316 Stainless Steel	Natural / Electropolished
G	1	Stud	316 Stainless Steel	Natural / Electropolished

TECHNICAL DATA SHEET: 7234012

Hex Joiner

Part No 7234012

3M

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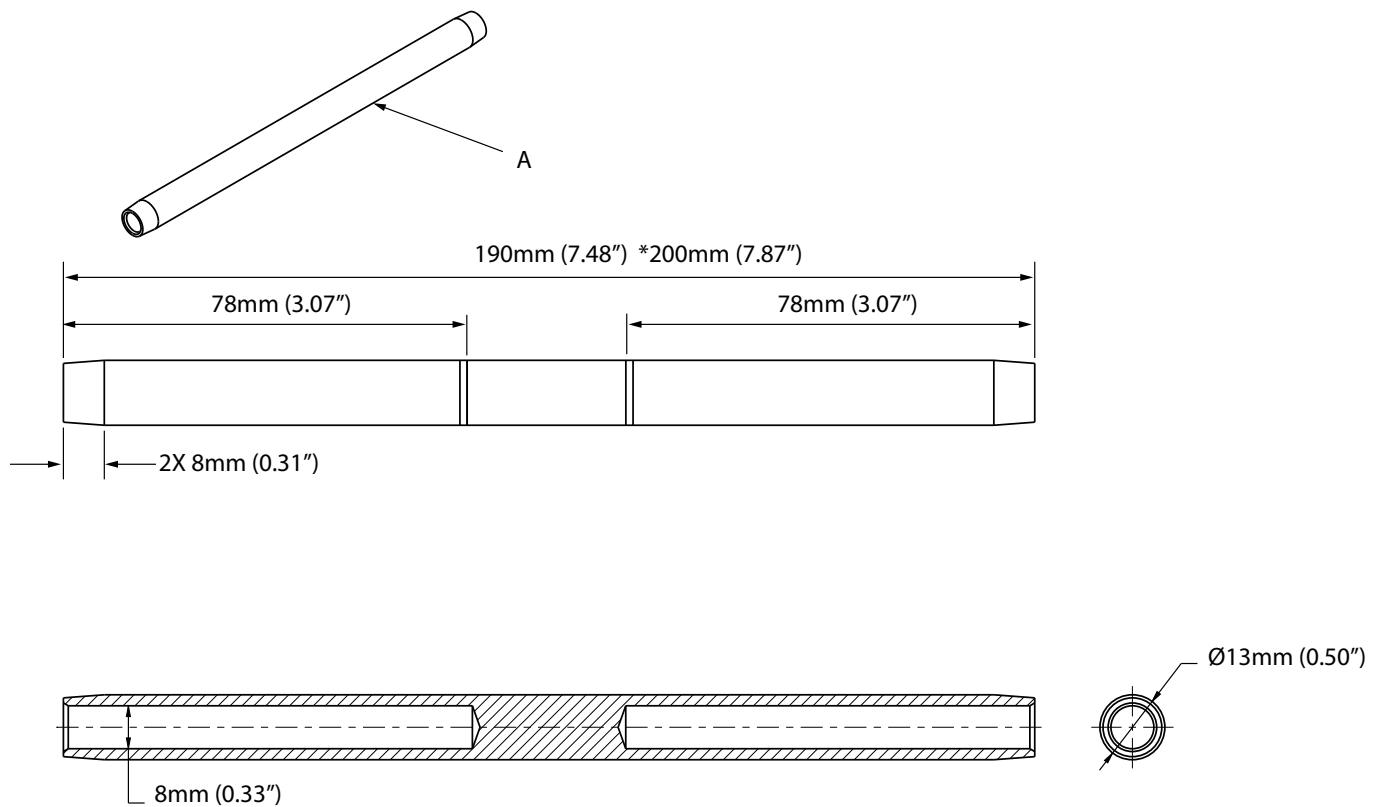
Fall Protection

APPLICATION:

Used to join to sections of cable together. For use with 8mm 7x7 or 1x19 cable only.

Refer to installation instructions for information on assembly and installation.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)	Minimum Breaking Strength kN (lb)
0.12 (0.3)	38 (8540)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Hex Swage Joiner	316 Stainless Steel	Natural
*		After Swaging		

TECHNICAL DATA SHEET: 7241432

End Stopper

Part No: 7241432

3M

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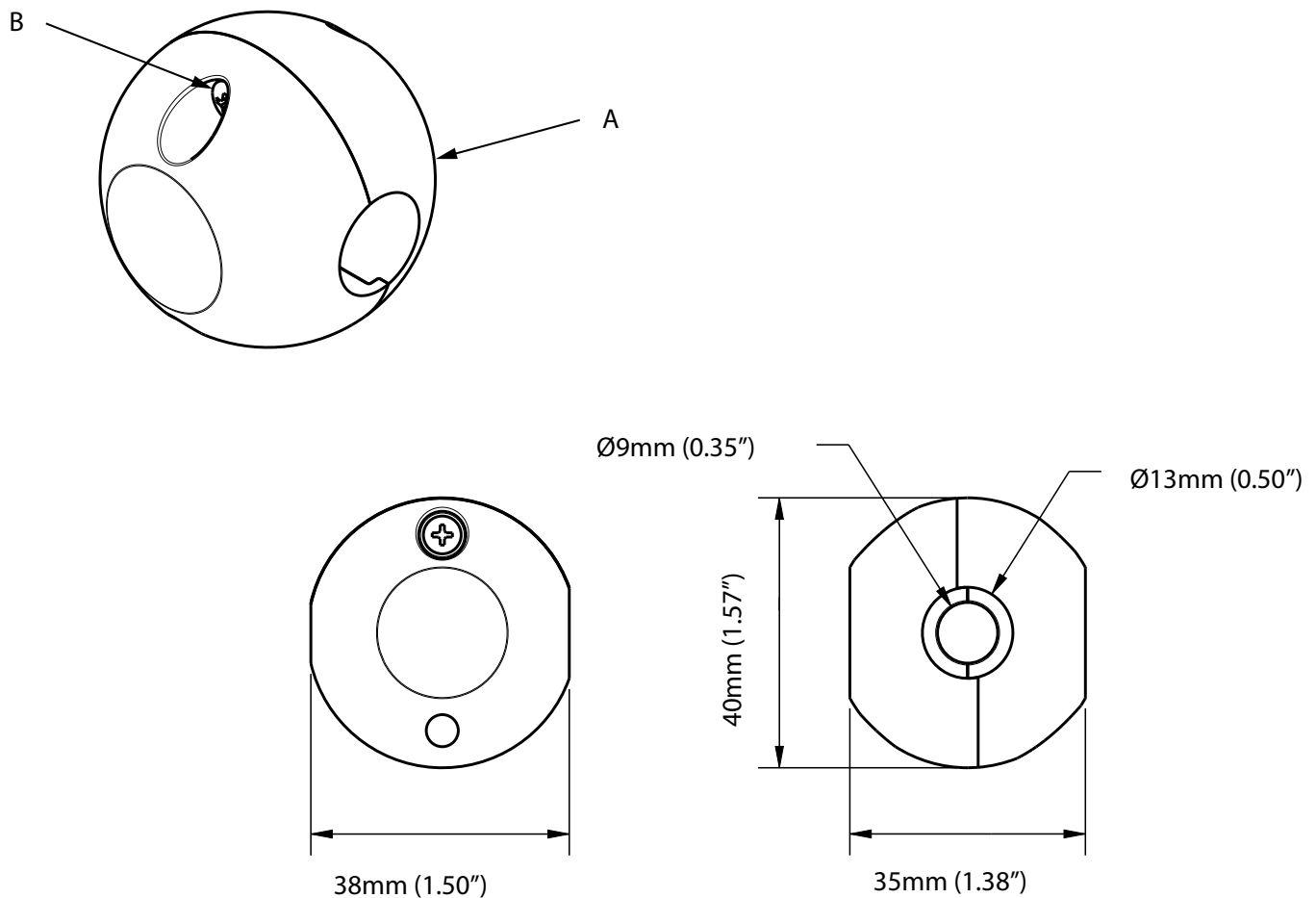
Fall Protection

APPLICATION:

For use with the hex swage components.

Attach over cable and/or swage end to prevent traveler from hitting the swage end and being damaged when coming to an abrupt stop at the end of the system.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)
0.4 (0.9)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	End Stop Ball	Black Urethane	Natural
B	1	Screw	300 Series Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241577

Slip Indicator / System Stop

Part No: 7241577

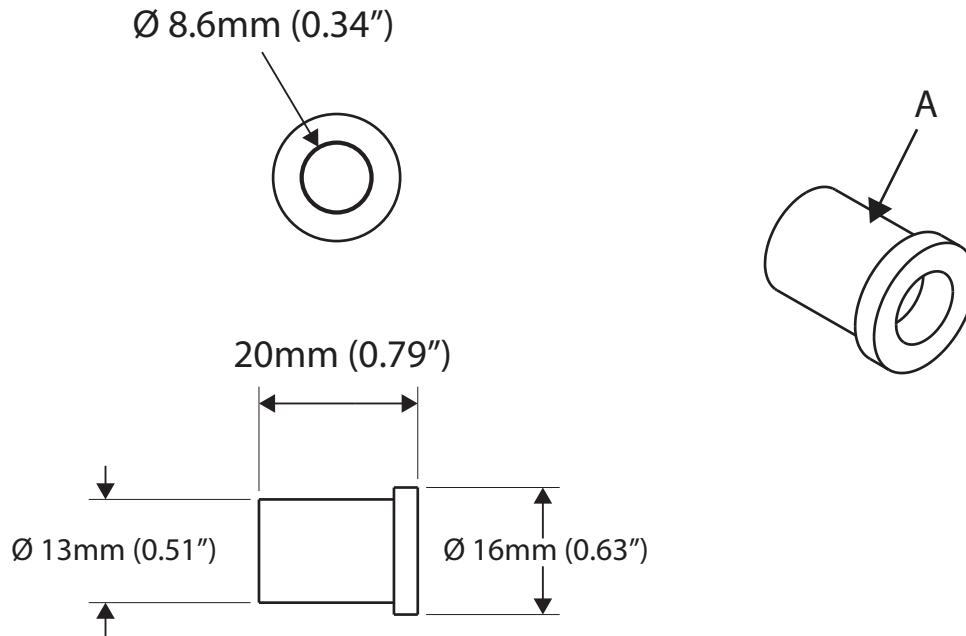
3M

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APPLICATION:

Used as a slip indicator when installed against a system termination swage. Also can be swaged onto the lifeline within the system to restrict travel. 7241577 slip indicator is compatible with the 7241432 end stopper.



PART SPECIFICATION:

Net Weight kg (lb)
0.2 (0.5)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Swage Terminal	316 Stainless Steel	Natural

TECHNICAL DATA SHEET: 7241594

Connection Pin

Part No: 7241594

3M

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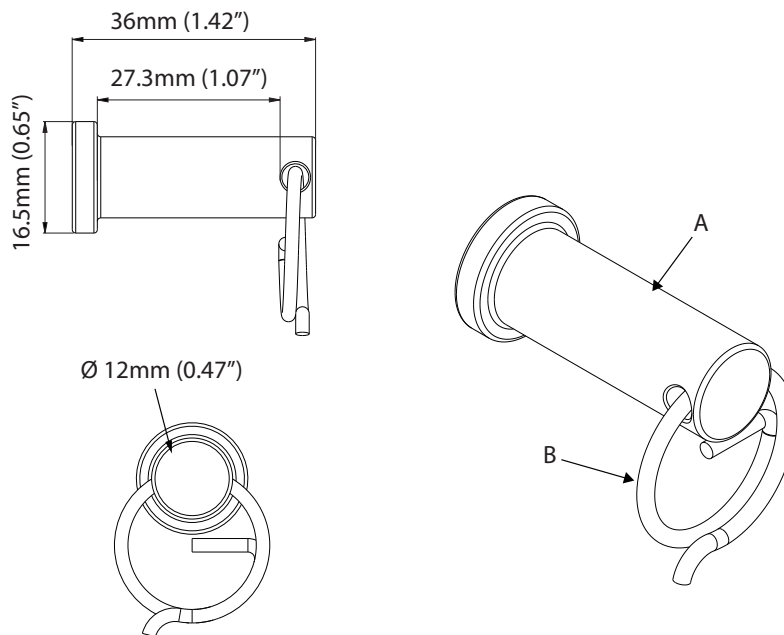
APPLICATION:

Used to attach energy absorbers to a structural steel anchor point.

Refer to installation instructions for information on assembly and installation.

For use with 8mm energy absorbers, dampeners, and replacement pins for hex swage tensioners.

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)
0.04 (0.08)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	Clevis Pin	316 Stainless steel	Natural
B	1	Split Ring	316 Stainless steel	Natural

TECHNICAL DATA SHEET: 7241435

System Tag Kit, 8mm Horizontal Lifeline

Part No: 7241435

3M

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APPLICATION:

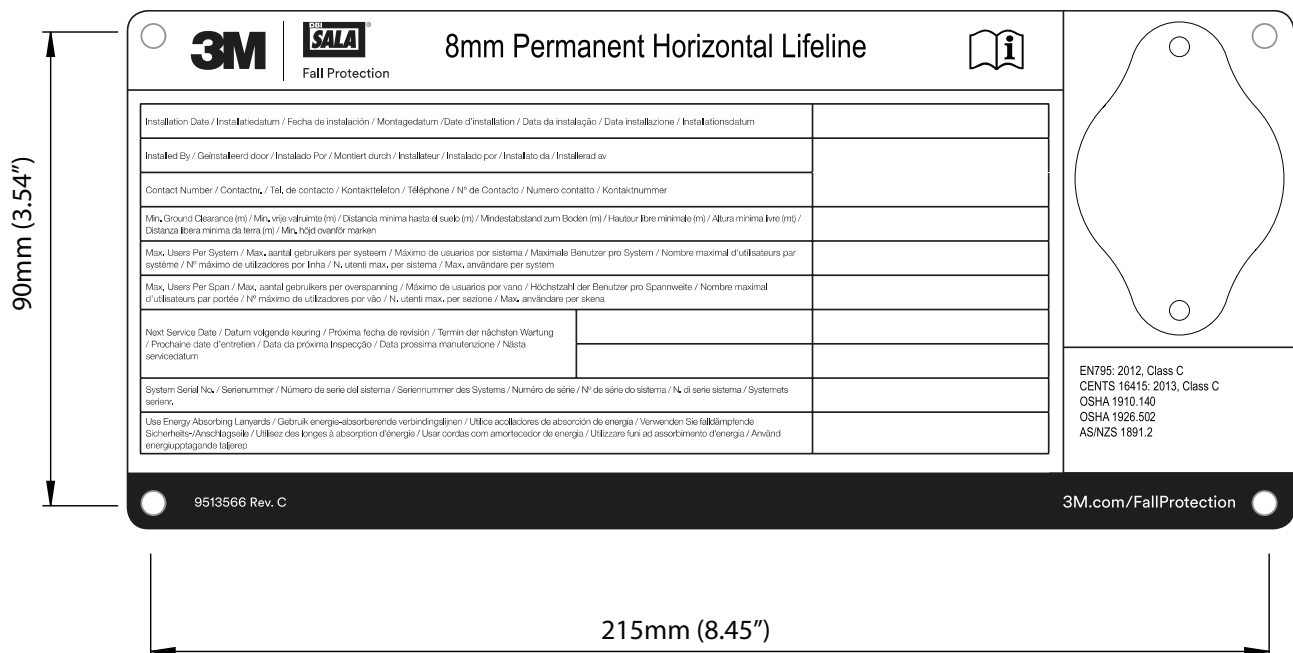
For use on the 8mm Permanent Horizontal Lifeline Installation.

Must be attached in a visible location near the start of the system.

It is completed by the installer with essential information for the user.

Languages: English, Dutch, Spanish, German, French, Portuguese, Italian, Swedish

Operating Temperature Range: 120°C (248°F) to -50°C (-58°F)



PART SPECIFICATION:

Net Weight kg (lb)
0.009 (0.02)

COMPONENT SPECIFICATION:

	Qty.	Component	Material	Finish
A	1	System Tag Kit	Aluminum 5005	Anodized. Screen printed at low temperature baked.

GLOBAL PRODUCT WARRANTY, LIMITED REMEDY AND LIMITATION OF LIABILITY

WARRANTY: THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Unless otherwise provided by local laws, 3M fall protection products are warranted against factory defects in workmanship and materials for a period of one year from the date of installation or first use by the original owner.

LIMITED REMEDY: Upon written notice to 3M, 3M will repair or replace any product determined by 3M to have a factory defect in workmanship or materials. 3M reserves the right to require product be returned to its facility for evaluation of warranty claims. This warranty does not cover product damage due to wear, abuse, misuse, damage in transit, failure to maintain the product or other damage beyond 3M's control. 3M will be the sole judge of product condition and warranty options.

This warranty applies only to the original purchaser and is the only warranty applicable to 3M's fall protection products. Please contact 3M's customer service department in your region for assistance.

LIMITATION OF LIABILITY: TO THE EXTENT PERMITTED BY LOCAL LAWS, 3M IS NOT LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.



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