



Dyna-Glide® Climbing Protection System Catalog

volume 6



WE KNOW WHAT'S AT STAKE.

Dyna-Glide® Climbing Protection Systems from MSA

A Few Words about This Catalog

At MSA Safety, we constantly strive to offer products that do the job. But we expect more of ourselves than that. We also work hard to ensure that our products are as easy to use as they are effective. For that reason, we have developed this Dyna-Glide catalog. We've created a format we believe will make it easier for you to find what you're looking for and to order the products you need to get the job done.

Depending on the product, you may find sections on ***what it is, what it features, how it's used, why it's used, product specifications, and ordering information.*** The ordering information is displayed in easy-to-use charts that allow you to more readily compare similar products as well as products used together. And the charts include a column outlining special considerations that can make ordering, installing, and using them easier and more reliable.

We hope you find this approach helpful. If you have questions that aren't answered by the information in the catalog, don't hesitate to call one of our Customer Service Specialists. They're ready to help you configure your system. Just call **1-800-672-2222**.



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What is the Dyna-Glide Climbing Protection System?

The MSA Dyna-Glide product is a rigid rail climbing system that can play an important role in your overall worker safety program.

The Dyna-Glide Climbing Protection Systems are used to prevent and/or arrest falls from heights while enhancing the way a climber is able to perform the necessary work. Our systems can be mounted to already-installed ladders, to corners of lattice towers, and to other suitably strong structures your crew needs to climb. For added performance, the Dyna-Glide system can be used by more than one person at a time.

As you plan for your project, it may be helpful to remember that a complete Dyna-Glide system consists of:

- Standard joinable straight rail sections (7' 4³/₁₆" or 2240 mm)
- Standard rail connector assemblies used to couple rail sections together
- Standard mounting assemblies for attachment of rail sections to fixed ladders and other structures
- Fall arrester to engage in the rail sections, permit the climber to move to work position, permit travel along the rail, and stop against a rail notch in case the climber falls
- End stops to prevent the fall arrester from slipping out of the bottom or top end of a run of rail sections
- Full-body harness
- For illustrations of some typical Dyna-Glide systems, refer to [pages 19-21](#) of this catalog.

Why use the Dyna-Glide Climbing Protection System?

Your employees are your most important asset. So, it just makes sense to choose the Dyna-Glide system as one component in your safety program.

Whatever configuration works for you, the Dyna-Glide system:

- Limits total fall distance to inches— shock loads are below the threshold of injury and well below maximum limits set by OSHA
- Allows for vertical and horizontal mobility
- Offers your choice of Ladder Rail Combination (LRC) or Rail only
- Provides smooth travel—there's no binding of the fall arrester inside the rail
- Offers many different configurations —plus all of the accessories and mounting brackets to fit many applications
- Eliminates concern of system slippage found in frictional design systems—due to our Mechanical Design
- Offers product life of 20+ years—that's at least 3 times the life (3-7 years) of standard cable systems
- Optional fixed ladder section meeting OSHA standard with an integral rail mounted in the center of the ladder (Ladder Rail Combination)
- Offers sufficient foot-clearance on either side of the rail for easy climbing (Ladder Rail Combination)
- Uses rugged steel members to direct potential fall arrest loads into the ground rather than into the structure —reduces stress to, and prevents damage to, structure during climbing operations
- Orients fallen worker in the upright position, face toward climbing structure
- Operates using detachable, lightweight, stainless steel and aluminum mechanism for handsfree ascent and descent— a simple, durable, easy-to-use Fall Arrest System
- Shows a decade-plus track record of performing in some of the most severe weather conditions in the world
- Uses galvanized steel for corrosion resistance

Why is the Dyna-Glide Climbing Protection System a great product?

There are lots of reasons why the Dyna-Glide system is the product of choice for so many companies.

- **It's versatile** – so you can use it in a number of ways. Choose from rail or ladder rail combination— either offers hands free operation.
- **It's durable**—the Dyna-Glide system will give you the service you need for a long time. We use all steel construction and a hot-dipped galvanized finish to stand up to the elements for years to come. And that same durability means minimal maintenance.
- **It's tough**—Your Dyna-Glide system is manufactured to stand up to even the harshest environmental conditions.
- **It's supported**—MSA provides a complete package of products, engineered services (for installation), and training.

Advantages of the Dyna-Glide Rigid Rail Climbing System

✔ Locking Mechanism

Our systems rely exclusively on mechanical braking action of the locking pawl against steel tabs formed on the safety rail at 5.5-inch intervals. For you, that means the MSA system will stop a fall within the shortest fall arrest distance. Best of all, our braking mechanism is not affected by temperature, moisture, or icing—all the things that can reduce the effectiveness of a frictional braking system.

✔ Fall Arrester Design

Our fall arrester is constructed with a lightweight aluminum body enhanced with a stronger, more durable, stainless steel locking pawl. It also features stainless steel wheels riding on engineered bearings for increased equipment life span. Our Fall Arrester is compact and lightweight—so it travels up and down the safety line smoothly and easily.

✔ End-Stop Design

MSA's gated top and bottom end-stops are specially designed to work with our Fall Arrester system to prevent the arrester from accidentally being installed upside-down. This engineered-in control prevents the possibility of operator error or misuse.

✔ Rail Design

The Dyna-Glide system is fabricated with slots that can be used to mount the rail or ladder section at any point—regardless of how the section is cut to length—without drilling or modifying the product. This speeds installation and reduces the chance of field errors that could weaken the safety rail.

✔ Mounting Brackets and Assemblies

Working with customers who have provided us with field experience data, MSA has developed a wide range of standard mounting hardware for rail or ladder-rail-combination systems. These mounting assemblies assure you that a MSA ladder-climbing safety system is available for many types of structures you may encounter. In most situations, our mounting assemblies have a bracket that is shaped and sized to mate with certain common structural members.

✔ Aluminum versus Steel Construction

MSA Dyna-Glide systems use all-steel construction with a heavy, hot-dipped galvanized finish. Steel rail and ladder-rail-combinations are fabricated using high-tensile carbon steel. All welding is performed by certified welders. The galvanized finish is a “self-healing” zinc coating that will migrate to cover nicks and scratches in the steel and provide corrosion protection for the life of the product. In fact, the design life of the steel Dyna-Glide system is at least 20 years in outdoor environments.

✔ Accessories

Our systems can be equipped the way you want them. Simply choose from our wide range of useful accessories to match the way you work. These accessories include: folding foot rests—offering convenient rest positions, they fold out of the way for unimpeded climbing; swiveling pivot davit for easier platform access; ice scraper for environments in which you may need to break through ice on the rail.

✔ Installation and Support

MSA offers the flexibility that can make all the difference in your job. We offer Field Rigging Crews, so you'll have the manpower needed to get the job done. Or, if you prefer, we have As-Built Documentation for every aspect of the product. We also offer full training by a “competent” person—either at our training facility or on your job site. Choose the option that works best for you and your employees.

Dyna-Glide Rail Sections

NOTCHED STRAIGHT RAIL SECTION

■ **What it is**

- Straight U-shaped channel for vertical travel of the Dyna-Glidefall arrester and ice scraper. For mounting on existing ladders or structure.

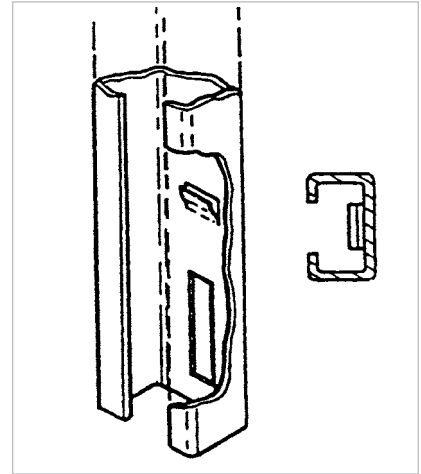
Model No.
506270
Steel Type
Galvanized

■ **What it features**

- Notches for stopping the fall arrester's travel within 5½" (140 mm) if the attached climber falls.
- Slots for interconnection of rails and attachment to ladder or structural members (using a variety of mounting assemblies).
- Standard length of 7' 4¾", standard rail width of 2."

■ **How it's used**

- Rail sections may be joined end-to-end with a rail connector assembly.
- Straight notched rail sections interface compatibly with:
 - Ladder/Rail Combination (LRC) sections
- Interfaces compatibly with a variety of accessories.



UNNOTCHED STRAIGHT RAIL SECTION *(For use in horizontal applications only)*

■ **What it is**

- Straight U-shaped channel for vertical travel of the Dyna-Glide fall arrester and ice scraper without notches to stop the fall arrester. For mounting on existing structure. Use in **horizontal travel only** (this rail is used in travel restriction applications, *not fall arrest applications*).

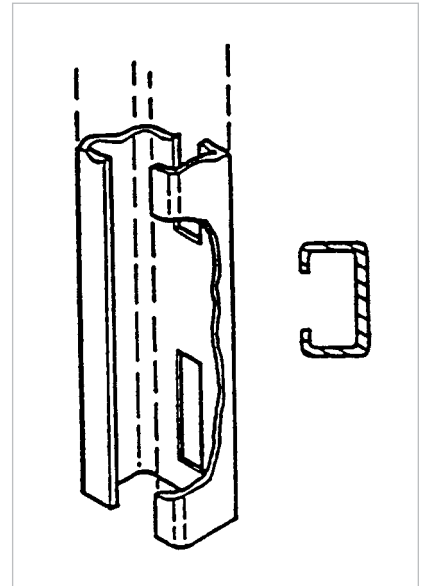
Model No.
506280
Steel Type
Galvanized

■ **What it features**

- Unnotched rail allows rail arrester to move horizontally in either direction without catching on notches.
- Provides secure lateral mobility for climber.
- Standard length of 7' 4¾", standard rail width of 2."

■ **How it's used**

- Rail sections may be joined end-to-end with a rail connector assembly.
- Straight unnotched rail sections interface compatibly with:
 - Ladder/Rail Combination (LRC) sections
- Interfaces compatibly with a variety of accessories.



■ **Ordering information**

Rail Type	Model No.	Steel Type	Weight (lb.)	Weight (kg)
Notched Straight	506270	Galvanized	13.6	6.2
Unnotched Straight Rail	506280	Galvanized	13.6	6.2

Contact MSA Customer Service Center for ordering information.

Dyna-Glide Rail Mounting Assemblies

RUNG MOUNTING ASSEMBLY

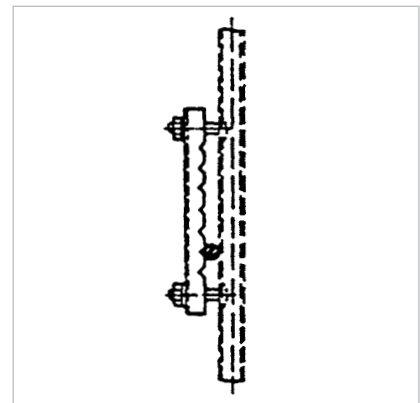
What it is

- For mounting rail sections to the rungs of a fixed ladder or compatible structural member.

Model No.
506273
Steel Type
Galvanized

How it's used

- For use on circular cross section rungs with ½" to 1" (13 to 25 mm) diameter.
- Also works on angle iron used for horizontal structural members or rungs.
- Two rung mounting assemblies are required for each rail section.



FLAT MOUNTING ASSEMBLY

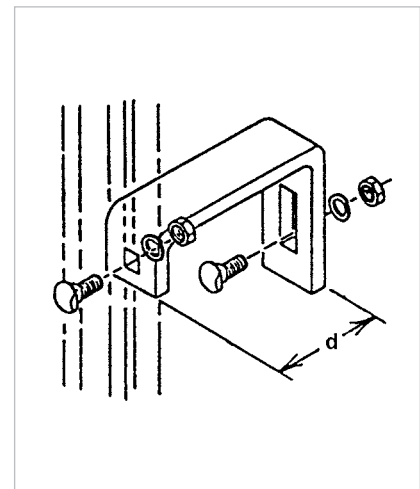
What it is

- Component that provides means for attachment of a rail section to flat-surfaced structural members. Consists of a bracket and two each bolts, lock washers, flat washers and nuts.

Model No.
506318
Steel Type
Galvanized

How it's used

- Each mount requires a flat surface of 1.97" x 0.39" (50 mm x 10 mm).
- Two assemblies are required for each rail section.



Ordering information

Assembly Item	Model No.	Special Considerations	Steel Type	Weight (lb.)	Weight (kg)
Rung Mounting Assembly	506273	2 per section required	Galvanized	1.9	0.9
Flat Mounting Assembly	506318	—	Galvanized	3.0	1.4

Contact MSA Customer Service Center for ordering information.

Dyna-Glide Ladder/Rail Combination (LRC) Sections

LADDER/RAIL COMBINATION (LRC) SECTION

■ What it is

- Steel Ladder Section with an integral notched rail for fall protection.

Model No.

506390

Steel Type

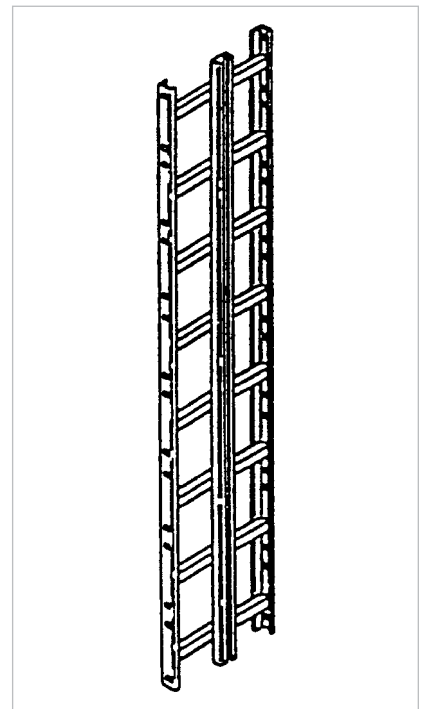
Galvanized

■ What it features

- A centrally mounted rail welded to the center of the ladder rungs.
- Ladder rungs are 18 -1/4" (464 mm) in width, leaving 8" (203 mm) of foot room either side of the rail.
- Rungs have a skid-resistant surface.
- Ladder side rails have square cut-outs for attachment of side rail connector assemblies and LRC mounting assemblies.
- Standard length of 7' 4³/₁₆", standard rail width of 2".

■ How it's used

- LRC sections may be joined end-to-end with a rail connector assembly.
- Straight LRC sections interface compatibly with rail sections and a variety of accessories.
- Provides access to areas where no ladder currently exists and to provide fall protection during climbing.



■ Ordering information

Assembly Item	Model No.	Steel Type	Weight (lb.)	Weight (kg)
LRC Section	506390	Galvanized	43.8	19.8

Contact MSA Customer Service Center for ordering information.

Dyna-Glide Ladder/Rail Combination Mounting Assemblies

STANDOFF PLATE AND ADJUSTER PLATE MOUNTING ASSEMBLY

■ What it is

- Component that attaches LRC sections to a structure with horizontal support members.

Model No.

506387

Steel Type

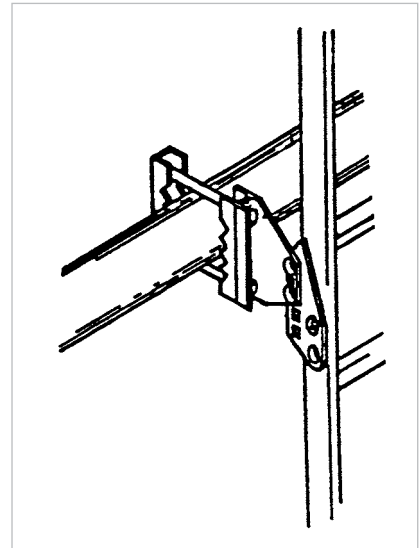
Galvanized

■ What it features

- Establishes a minimum standoff of 7" (278 mm) between the ladder rungs and the structure to provide adequate foot room.

■ How it's used

- May be used on round support members up to 2½" (64 mm) in diameter or angle supports up to 2.5" x 2.5" (64 x 64 mm) in width.
- Two mounting assemblies (one each side of the ladder) are required at intervals of no more than 7'4" (2235 mm) along the entire length of the LRC run.



TWIN ARM PLATE AND ADJUSTER PLATE MOUNTING ASSEMBLY

■ What it is

- Component that fastens LRC sections to structures with horizontal or diagonal support members.

Model No.

506392

Steel Type

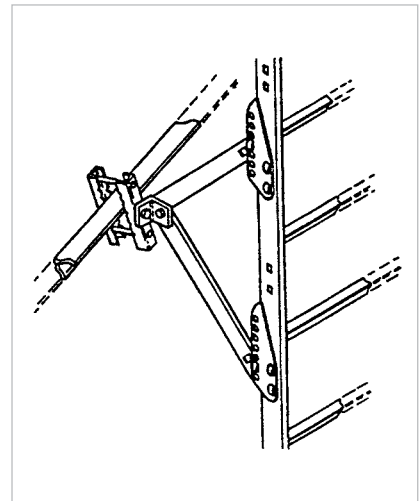
Galvanized

■ What it features

- Establishes a minimum standoff of 7"-13" (278 - 330.2 mm) between the ladder rungs and the structure to provide adequate foot room.

■ How it's used

- May be used on round support members up to 2½" (64 mm) in diameter or angle supports up to 2.5" x 2.5" (64 x 64 mm) in width.
- Two mounting assemblies (one each side of the ladder) are required at intervals of no more than 7'4" (2235 mm) along the entire length of the LRC run.



Dyna-Glide Ladder/Rail Combination Mounting Assemblies

STANDOFF CORNER MOUNTING ASSEMBLY

■ What it is

- Component that attaches LRC sections to the vertical corner member of a structure.

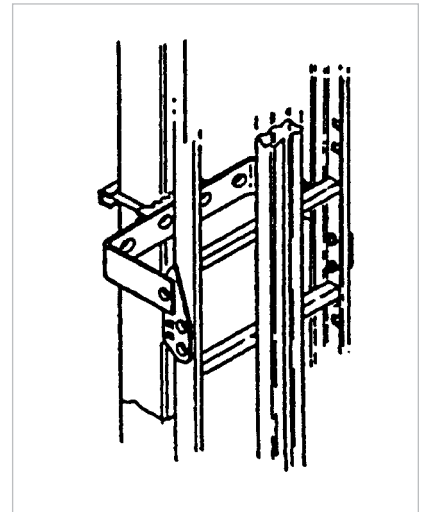
Model No.
506398
Steel Type
Galvanized

■ What it features

- Establishes a minimum standoff of 7" (278 mm) between the ladder rungs and the structure to provide adequate foot room.

■ How it's used

- May be used on round support members up to 3.5" (89 mm) in diameter or angle supports up to 4" x 4" (102 x 102 mm) in width.
- One mounting assembly is required for each LRC section to be mounted.
- The bottom LRC section is attached using Standoff Corner Base Mounting (P/N 506400).



STANDOFF CORNER BASE MOUNTING ASSEMBLY

■ What it is

- Component that anchors the bottom section of LRC to the vertical corner member of a structure.

Model No.
506400
Steel Type
Galvanized

■ What it features

- Establishes a minimum standoff of 7" (278 mm) between the ladder rungs and the structure to provide adequate foot room.

■ How it's used

- May be used on round or angled support members.
- One assembly is required for the very bottom of the lowest section of LRC.
- Succeeding sections are anchored using Standoff Corner Mounting Assembly, P/N 506398.

Dyna-Glide Ladder/Rail Combination Mounting Assemblies

STANDOFF MOUNTING ASSEMBLY

What it is

- Component that anchors LRC sections to structures which have adjacent vertical support members spaced from 8½" to 19½" (216 mm to 495 mm) apart.

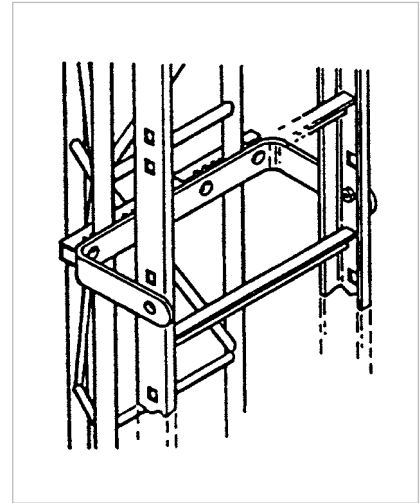
Model No.
506388
Steel Type
Galvanized

What it features

- Establishes a minimum standoff of 7" (278 mm) between the ladder rungs and the structure to provide adequate foot room.

How it's used

- May be used on round support members up to 3" (76 mm) in diameter or angled supports up to 3" x 3" in width.
- One mounting assembly is required for each LRC section to be installed.
- The very bottom of the lowest LRC section is anchored using Standoff Base Mounting Assembly (P/N 506389).



STANDOFF BASE MOUNTING ASSEMBLY

What it is

- Component that fastens the lowest LRC section to a structure with adjacent vertical support members spaced from 8½" to 19½" (216 mm to 495 mm) apart.

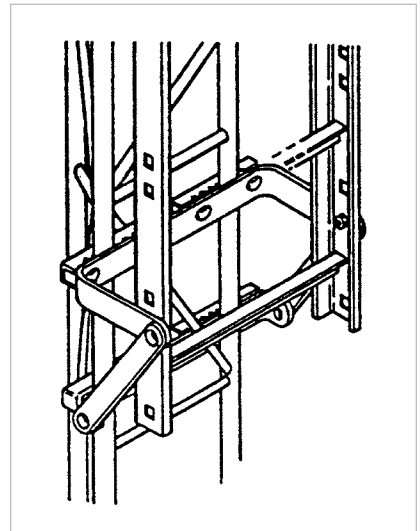
Model No.
506389
Steel Type
Galvanized

What it features

- Establishes a minimum standoff of 7" (278 mm) between the ladder rungs and the structure to provide adequate foot room.

How it's used

- May be used on round or angled support members up to 3" (76 mm) in diameter.
- One mounting assembly is required for the bottom of the lowest LRC section.
- Top of the lowest LRC section and all subsequent sections are anchored using the Standoff Mounting Assembly (P/N 506388).



Dyna-Glide Ladder/Rail Combination Mounting Assemblies

STANDOFF FLAT MOUNT BRACKET ASSEMBLY

■ **What it is**

- Component that anchors LRC sections to a structure with a flat surface, such as a wall. Due to the number of types of structure this bracket can be used on, surface mounting hardware is not included.

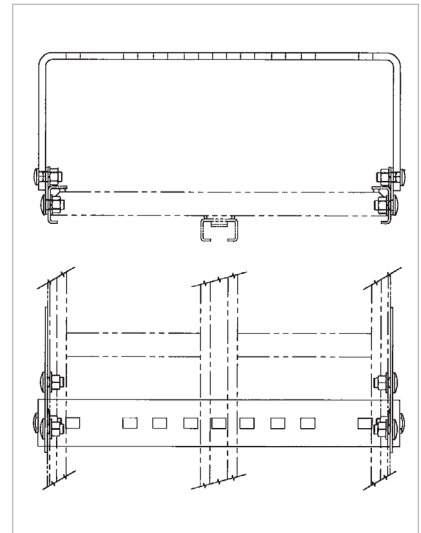
Model No.	10011502
Steel Type	Galvanized

■ **What it features**

- Establishes a minimum standoff of 7" (278 mm) between the ladder rungs and the structure to provide adequate foot room.

■ **How it's used**

- May be used on structures with a flat surface, such as a wall.
- One mounting assembly is required per LRC section.
- The very bottom of the lowest LRC section is anchored using the Standoff Flat Mount Base Bracket Assembly (P/N 10011503).



STANDOFF BASE BRACKET ASSEMBLY

■ **What it is**

- Component that anchors the bottom LRC sections to a structure with a flat surface, such as a wall. Due to the number of types of structure this bracket can be used on, surface mounting hardware is not included.

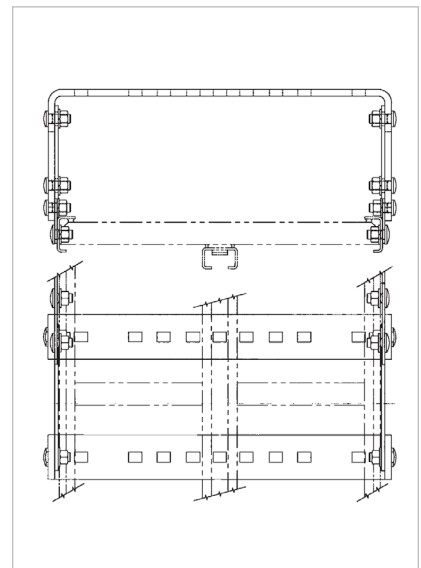
Model No.	10011503
Steel Type	Galvanized

■ **What it features**

- Establishes a minimum standoff of 7" (278 mm) between the ladder rungs and the structure to provide adequate foot room.

■ **How it's used**

- May be used on structures with a flat surface, such as a wall.
- One mounting assembly is required for the very bottom of the lowest LRC section.
- The top of the lowest LRC section and all subsequent sections are anchored using the Standoff Flat Mount Bracket Assembly (P/N 10011502).



Dyna-Glide Ladder/Rail Combination Mounting Assemblies

■ **Ordering information**

Assembly Item	Model No.	Steel Type	Weight (lb.)	Weight (kg)
Mounting Assembly, Standoff Plate and Adjuster	506387	Galvanized	6.9	3.1
Mounting Assembly, Twin Arm, Plate and Adjuster Plate	506392	Galvanized	5.6	2.5
Mounting Assembly, Standoff Corner	506398	Galvanized	8.4	3.8
Mounting Assembly, Standoff Corner Base	506400	Galvanized	13.8	6.3
Mounting Assembly, Standoff	506388	Galvanized	12.0	5.5
Mounting Assembly, Standoff Base	506389	Galvanized	31.5	14.3
Standoff Flat Mount, Bracket Assembly	10011502	Galvanized	7.8	3.5
Standoff Flat Mount, Base Bracket Assembly	10011503	Galvanized	13.2	6.0

Contact MSA Customer Service Center for ordering information.

Dyna-Glide Companion Components and Accessories

RAIL CONNECTOR ASSEMBLY

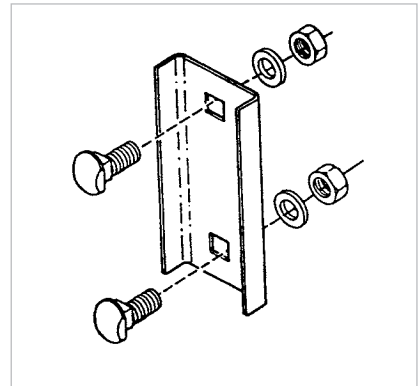
What it is

Component that fastens two adjacent rail or LRC center rail sections together.

Model No.
506329
Steel Type
Galvanized

How it's used

Rail Connector Assembly is connected to the back of the rail (or center rail on LRC) to keep adjacent sections of rail in line and correctly abutted to one another. One rail connector assembly is required for each rail section to be connected.



LRC SIDE RAIL CONNECTOR ASSEMBLY

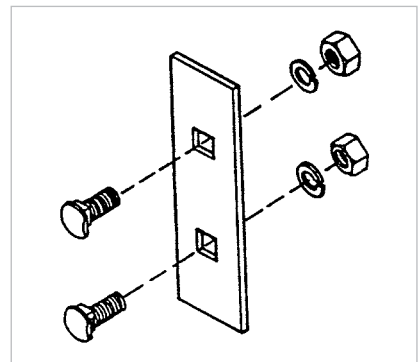
What it is

Component that connects the outside rails of two adjacent LRC sections.

Model No.
506391
Steel Type
Galvanized

How it's used

The Side Rail Connector Assembly is fastened to the LRC section outside rail to keep adjacent sections of LRC in line and correctly abutted to one another. Two side rail connector assemblies are required for each LRC section to be connected.



GATED BOTTOM END STOP ASSEMBLY

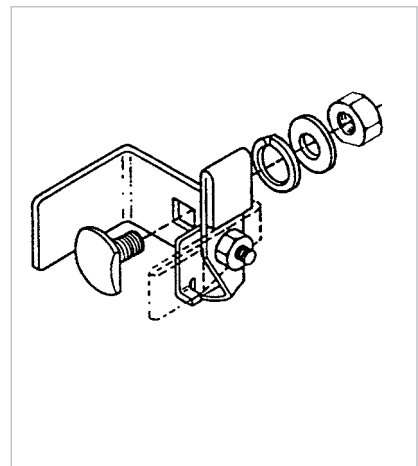
What it is

A U-shaped component with a gated side that mounts at the bottom of a rail or LRC system to ensure proper insertion of the Fall Arrester.

Model No.
506275
Steel Type
Galvanized

How it's used

This End Stop permits controlled insertion and removal of the Dyna-Glide fall arrester. The ungated side of the End Stop prevents the Fall Arrester from being inserted upside down. The gated side of the End Stop prevents the Fall Arrester from accidentally slipping out of the bottom rail section, and permits the climber to remove the fall arrester from the rail in a controlled way.



Dyna-Glide Companion Components and Accessories

GATED TOP END STOP ASSEMBLY

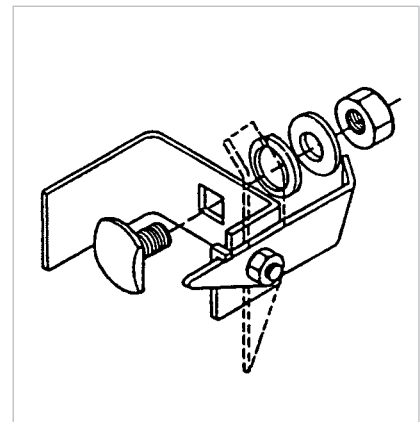
■ What it is

A U-shaped component with a gated side that mounts at the very top of a rail or LRC system to ensure proper insertion of the Fall Arrester.

Model No.
506274
Steel Type
Galvanized

■ How it's used

This End Stop permits controlled insertion and removal of the Dyna-Glide fall arrester. The ungated side of the End Stop prevents the Fall Arrester from being inserted upside down. The gated side of the End Stop prevents the Fall Arrester from accidentally slipping out of the top rail section, and permits the climber to remove the fall arrester from the rail in a controlled way.



UNGATED END STOP ASSEMBLY

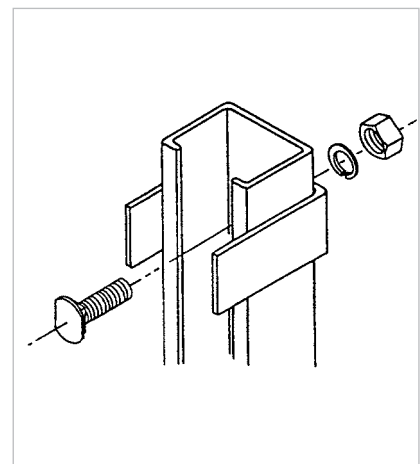
■ What it is

A U-shaped component with rigid sides that can be mounted at the top or bottom of a rail or LRC system to prevent the Fall Arrester from being removed from the rail.

Model No.
506312
Steel Type
Galvanized

■ How it's used

This End Stop prevents the Dyna-Glide Fall Arrester from accidentally slipping out of or being removed from the rail. The climber cannot remove the Fall Arrester from the rail where this assembly is installed.



GATED HORIZONTAL END STOP ASSEMBLY

■ What it is

A U-shaped component with a gated side that mounts at the end of a horizontal rail run to ensure proper insertion of the Fall Arrester.

Model No.
506337
Steel Type
Galvanized

■ How it's used

This End Stop permits controlled insertion and removal of the Dyna-Glide Fall Arrester. The ungated side of the End Stop prevents the Fall Arrester from being inserted in the wrong direction. The gated side of the End Stop prevents the Fall Arrester from accidentally slipping out of the horizontal rail section, and permits the climber to remove the Fall Arrester from the rail in a controlled way.

Dyna-Glide Companion Components and Accessories

DYNA-GLIDE FALL ARRESTER

What it is

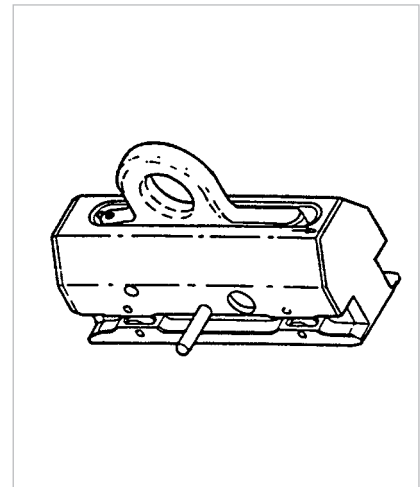
The Fall Arrester travels in the Dyna-Glide rail and is constructed of an aluminum body with a stainless steel, mechanically locking cam, and a stainless steel ring for connection to an approved body support.

How it's used

The Fall Arrester operates in all Dyna-Glide rails. It travels in the rail to provide either fall protection in the vertical rail or travel restriction in the horizontal rail. It permits ascent without resistance and descent by leaning slightly backward. If an accidental fall occurs, the fall is arrested within inches. The Fall Arrester is usually connected to an approved body support using a carabiner.

Model No.
506277
Steel Type
Aluminum/Stainless Steel

Model No.
10183914
Steel Type
Aluminum/Steel



CARABINER

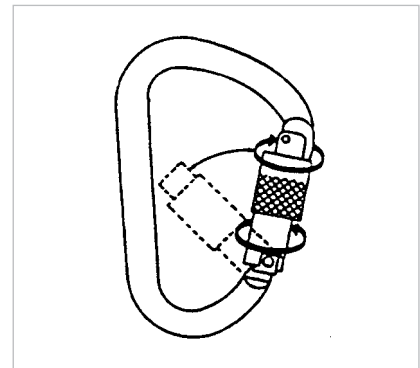
What it is

A self-closing, self-locking, anchorage connector used in conjunction with the Dyna-Glide Fall Arrester.

How it's used

The carabiner is used to connect the Dyna-Glide Fall Arrester (P/N 506277) to a climber's approved body support. It has a minimum tensile strength of 5,000 pounds.

Model No.
506259
Steel Type
Aluminum



ICE SCRAPER

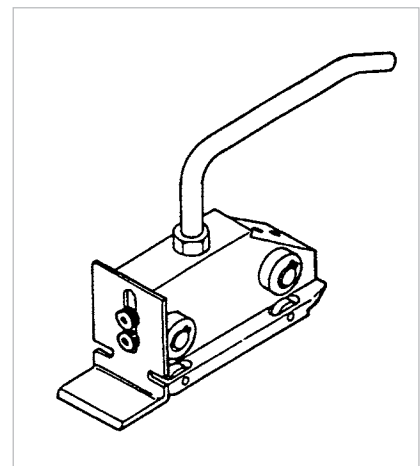
What it is

The Ice Scraper is a component that travels in the rail to clear the rail of snow and ice. It is constructed of an aluminum body with a stainless steel grip.

How it's used

The Ice Scraper fits inside the rail and is pushed ahead of the Fall Arrester to crack ice off the rail surface and allow the Dyna-Glide to pass smoothly. When it is not being used, the Ice Scraper travels freely in front of the Fall Arrester. When ice or snow is encountered in the rail, the climber manually pushes the Ice Scraper up the rail by way of the stainless steel grip to break away the ice or snow.

Model No.
506337
Steel Type
Galvanized



Dyna-Glide Companion Components and Accessories

FOLDING FOOTREST ASSEMBLY

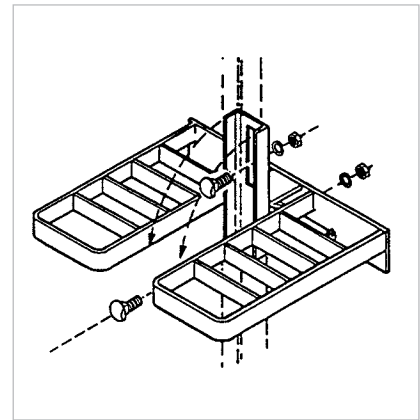
What it is

The Folding Footrest Assembly is a component that provides a small platform for resting or work positioning on a rail or LRC section.

Model No.
506384
Steel Type
Galvanized

How it's used

The Footrest is attached to the back of the rail or LRC section and is folded upright when not in use, allowing the climber to pass unimpeded. When the climber reaches the footrest on the ladder it can easily be lowered to provide a resting or work positioning platform for the climber. On longer runs of rail or LRC sections, one footrest should be used at least every 30'.



PIVOT DAVIT ASSEMBLY

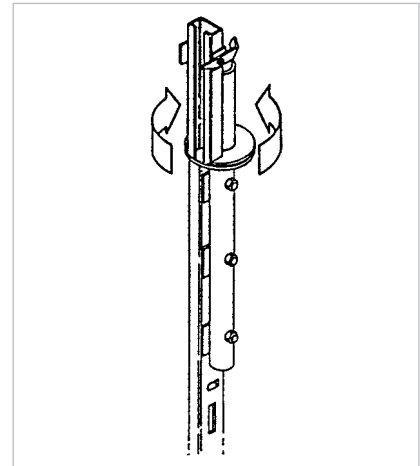
What it is

The Pivot Davit Assembly is a component that pivots 360 degrees and is used for dismounting at elevated work platforms without disconnecting from the Dyna-Glide system.

Model No.
506357
Steel Type
Galvanized

How it's used

The Pivot Davit is attached at the very top of a rail or LRC section. It permits the user to pivot onto a ladder landing or work platform without disconnecting from the Dyna-Glide system. Once on the platform or ladder landing, the user can then disconnect from the Dyna-Glide Fall Arrester or remove the Fall Arrester from the davit. This component is particularly useful where successive ladders are offset from each other. The user must provide a separate means of fall protection, after disconnection from the Dyna-Glide system, if environmental work conditions warrant its use.



PIVOT DAVIT ASSEMBLY, ANCHORAGE RING

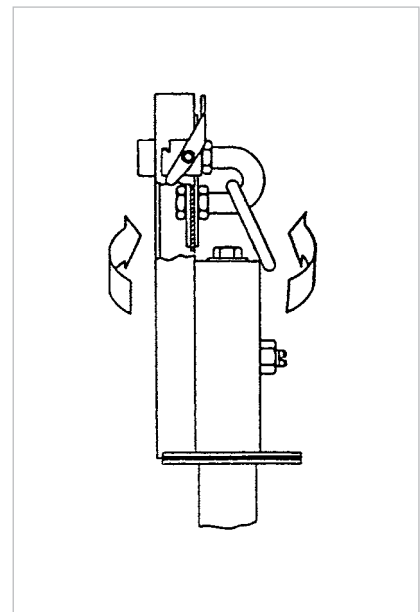
What it is

The Pivot Davit Assembly is a component that pivots 360 degrees and is used for dismounting at elevated work platforms without disconnecting from the Dyna-Glide system. This davit includes an anchorage ring for connection of a personal fall arrest system or a travel restriction system.

Model No.
506414
Steel Type
Galvanized

How it's used

The Pivot Davit is attached at the very top of a rail or LRC section. It permits the user to pivot onto a ladder landing or work platform without disconnecting from the Dyna-Glide system. Once on the platform or ladder landing, the user can then disconnect from the Dyna-Glide Fall Arrester or remove the Fall Arrester from the davit. The integral anchorage ring provides a compatible anchorage point for MSA lanyards to enable continuous tie-off while aloft. This component is particularly useful at locations where disconnection from the Dyna-Glide System is necessary at locations without adequate fall protection means or suitable anchorage points.



Dyna-Glide Companion Components and Accessories

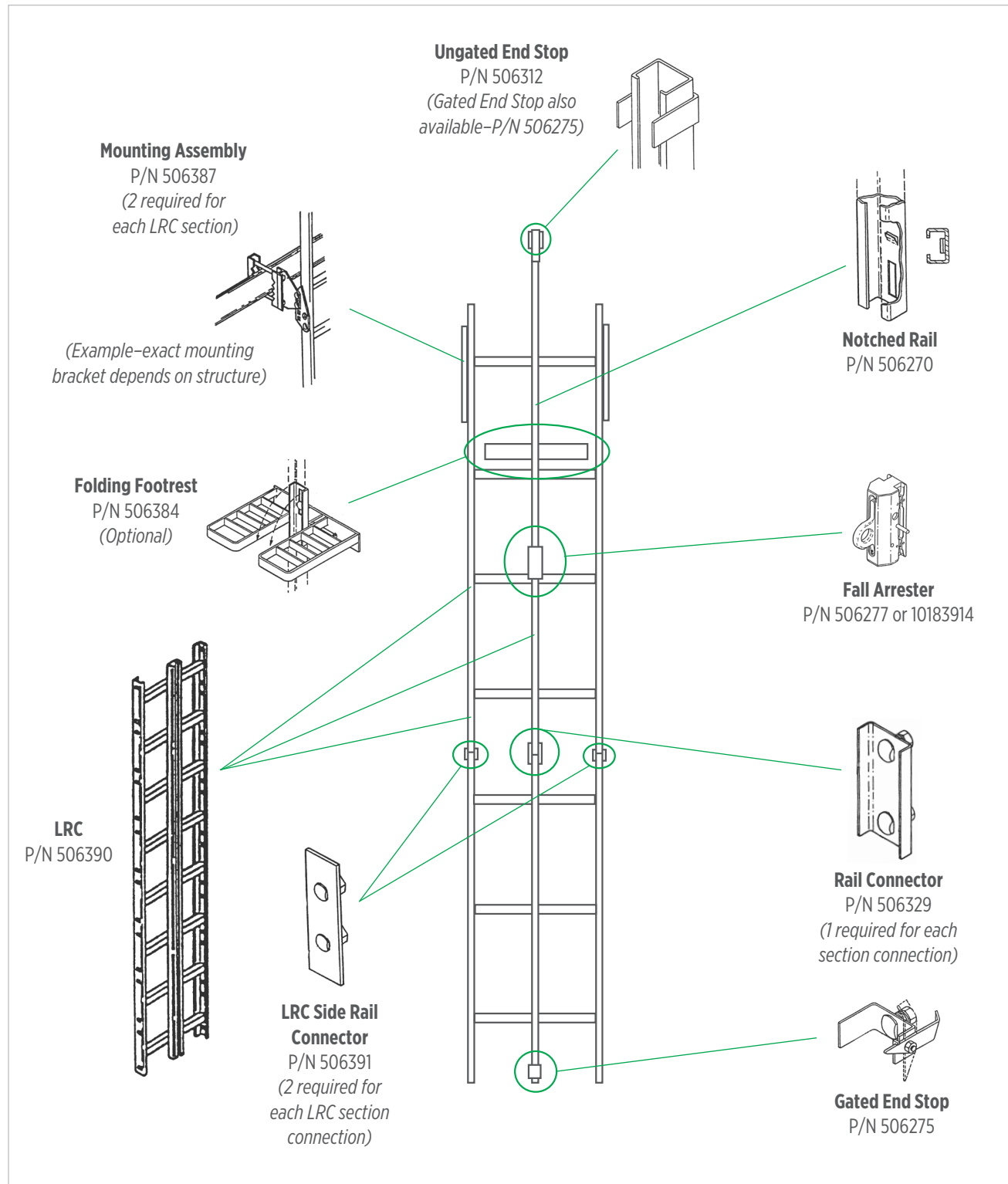
■ Ordering information

Assembly Item	Model No.	Special Considerations	Steel Type	Weight (lb.)	Weight (kg)
Rail Connector Assembly	506329	Ordering Formula: # of Rail or LRC Sections - 1	Galvanized	1.0	0.45
LRC Side Rail Connector Assembly	506391	Ordering Formula: (# of Rail or LRC Sections - 1) x 2	Galvanized	0.5	0.2
Gated Bottom End Stop Assembly	506275	Bolts included	Stainless Steel	0.5	0.2
Gated Top End Stop Assembly	506274	Bolts included	Stainless Steel	0.5	0.2
Ungated End Stop Assembly	506312	Bolts included	Stainless Steel	0.2	0.1
Gated Horizontal End Stop Assembly	506337	Bolts included	Stainless Steel	0.5	0.2
Dyna-Glide Fall Arrester	506277		Aluminum/ Stainless Steel	1.7	0.8
Dyna-Glide Fall Arrester	10183914		Aluminum/Steel	2.3	1.05
Carabiner	506259		Aluminum	0.2	0.1
Ice Scraper	506405		Aluminum/ Stainless Steel	1.3	0.6
Folding Footrest Assembly	506384		Galvanized	13.5	6.1
Pivot Davit Assembly	506357		Galvanized	8.6	3.9
Pivot Davit Assembly, Anchorage Ring	506414		Galvanized	9.2	4.2

Contact MSA Customer Service Center for ordering information.

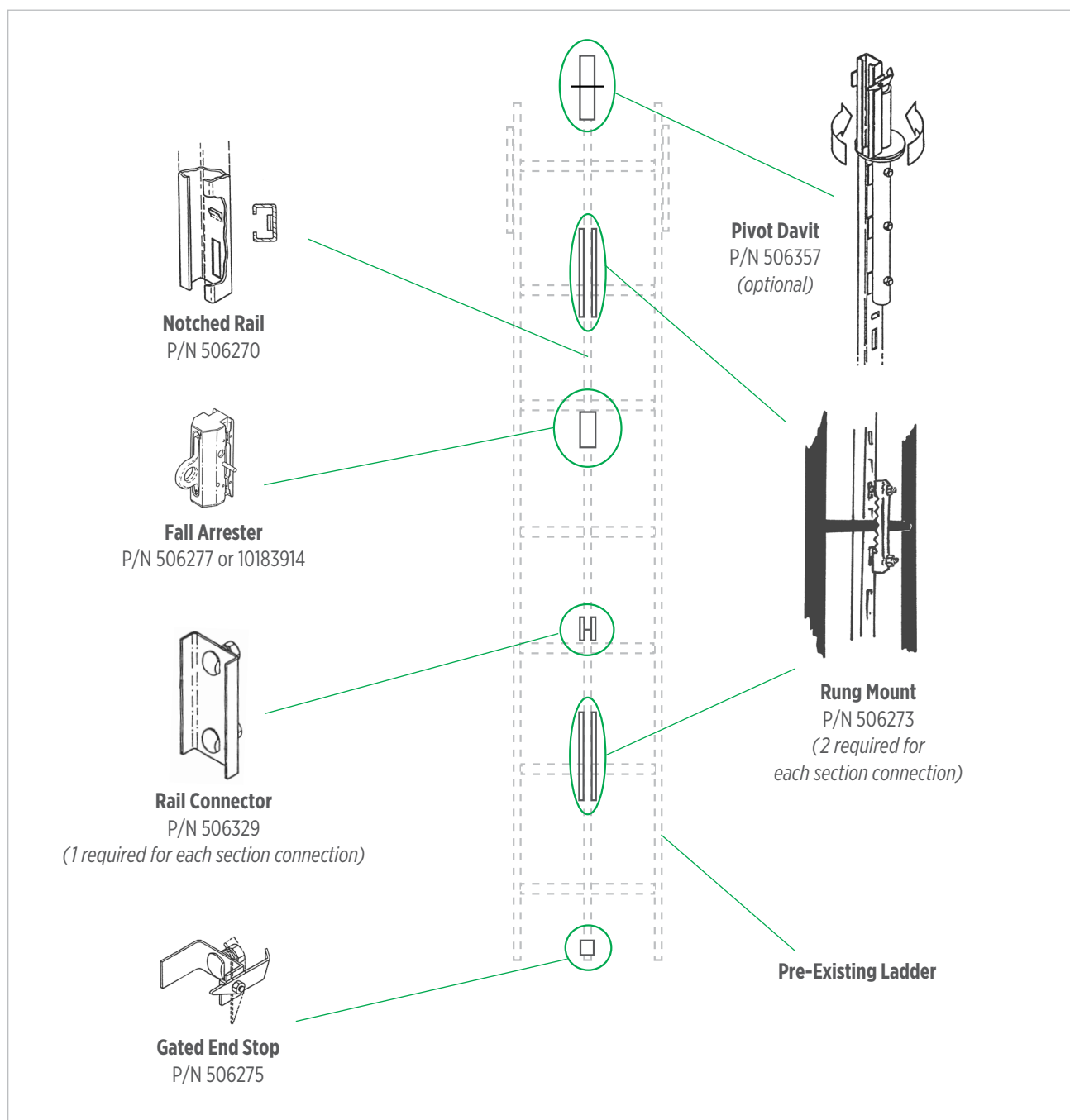
Examples of Dyna-Glide Assembly and Applications

Ladder/Rail Combination Assembly (LRC) System



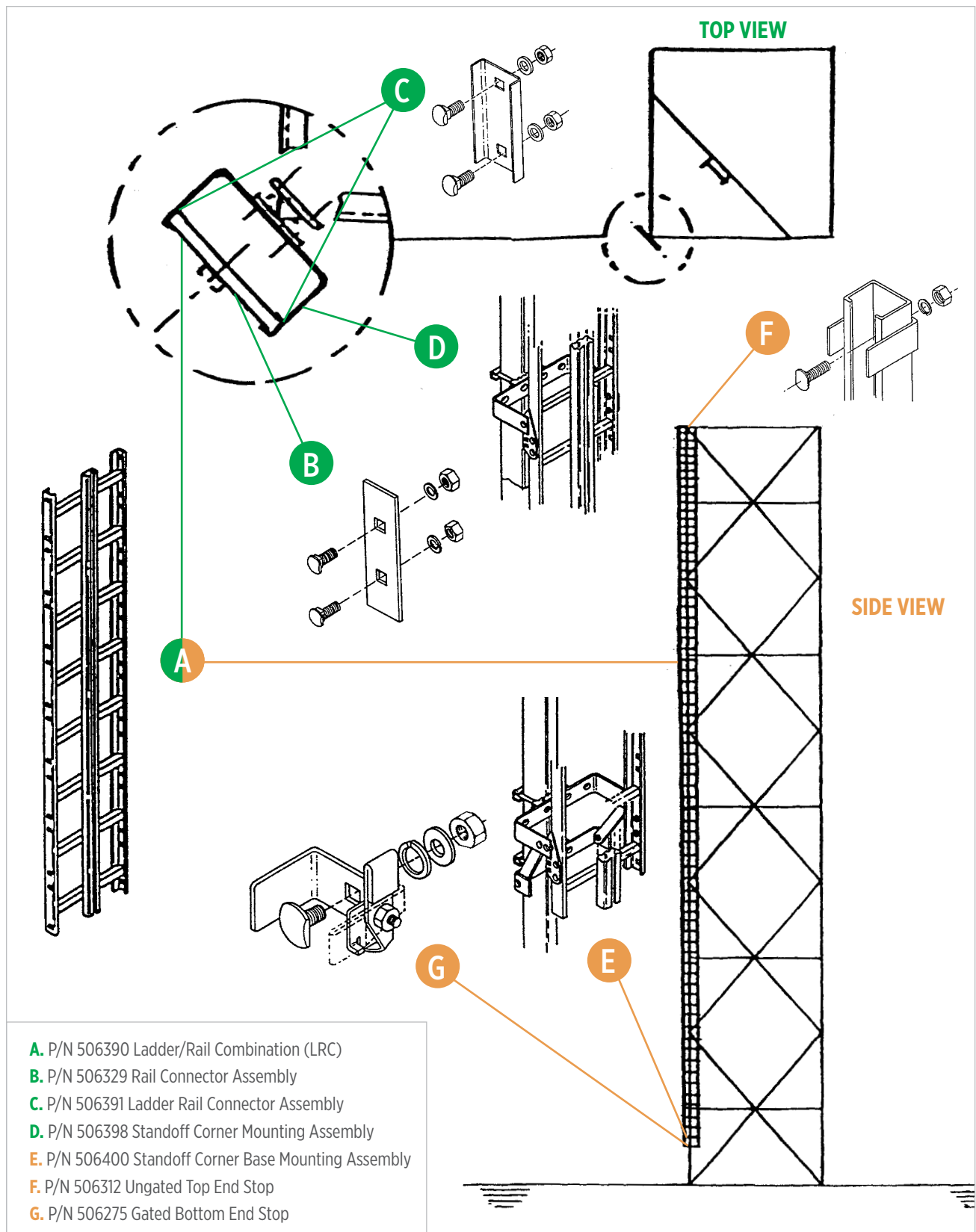
Examples of Dyna-Glide Assembly and Applications

Rail Only System



Examples of Dyna-Glide Assembly and Applications

Power Transmission Tower With Four Structural Steel Angle Legs



Ordering Considerations



Codes, standards and regulations

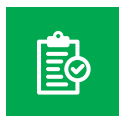
It is the buyer's responsibility to check with authorities to all applicable local, state, and Federal codes and regulations pertaining to climbing protection systems and the structures to which they will be attached. Any variances required must be normally obtained by the buyer in advance of installation of a Dyna-Glide system.

When properly installed, used and maintained, Dyna-Glide systems and components using the following fall arrester and rail section combinations meet the requirements of the following standards and regulations:

Fall Arrester P/N	Rail/LRC P/N	Standards and Regulations
10183914	506270	ANSI Z359.16-2016 ANSI A14.3-2008 USA Federal OSHA*
506277	506270	ANSI A14.3-2008 USA Federal OSHA*
10183914 or 506277	506390	USA Federal OSHA*

**Pertinent Federal OSHA regulations are contained in 29 CFR 1910.23 - Ladders, and 29 CFR 1926.1053 - Ladders.*

Similar (but not necessarily identical) regulations may exist in places outside the jurisdiction of Federal OSHA. This may include certain municipalities, states, public works, maritime, and military facilities. Check with the appropriate authorities. If you are uncertain as to the identity of prevailing authority and regulations, ask MSA for assistance.



Planning and equipment selection

When planning to purchase a Dyna-Glide system, carefully determine all requirements the system must satisfy. This begins by identifying the places which must be accessed. Then determine the feasible climbing path. If a fixed ladder is in place, this should be considered first. Special attention must be paid to the workplace geometry and the required mobility of the climber.

All hazards and obstacles in the climb path must be addressed and be eliminated, documented, or controlled. The strength, location, shape, and orientation of structural members must be determined in order to select the proper Dyna-Glide mounting assemblies. Consider the use of folding footrests at rest places on long climbs or where prolonged work must be performed. Environmental factors (e.g. corrosive atmospheres, ice, confined spaces, etc.) must be identified. Safe landings at the bottom and top of the climb path must be provided for secure mounting and dismounting of the climber. Overhead protection (from falling objects) must be provided where such hazards exist. Always develop an emergency rescue and evacuation plan before ordering a system, as there are available devices and techniques for addressing such contingencies. The objective of the Dyna-Glide system design is to provide protection throughout the climber's ascent, descent, and work and to provide for rescue emergencies. The selection of Dyna-Glide mounting brackets and special accessories should always be done in coordination with a MSA applications engineer. It is the buyer's responsibility to provide accurate and detailed drawings for this to be accomplished. One overlooked detail can result in a very costly experience for the buyer. MSA will not take responsibility for any damage arising out of inadequate specifications. We strongly recommend that the buyer obtain the appropriate instruction manual(s) from MSA for use in planning and selection of the Dyna-Glide system.



Installation considerations

The installation personnel should be well-trained, experienced climbers versed in safety at heights, including rescue procedures. It is critical that Dyna-Glide systems be properly installed, or they will not wear well nor function properly or safely. Always make sure the structure to which the system is installed is sound and of sufficient strength to withstand loads. The requirements are detailed in the Dyna-Glide instruction manual. Weaker structures must be evaluated by a qualified person.



Instruction manual

Every Dyna-Glide system comes with a user instruction manual which includes installation, use, and maintenance instructions. Always read this manual in advance of installation or, preferably, when planning the system.

If you are uncertain as to any aspect of Dyna-Glide Systems, or have any questions regarding these systems, contact MSA for assistance.

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MSA—The Safety Company

Established in 1914, MSA Safety Incorporated is the global leader in the development, manufacture, and supply of safety products that protect people and facility infrastructures. Many MSA products integrate a combination of electronics, mechanical systems, and advanced materials to protect users against hazardous or life-threatening situations. The company's comprehensive product line is used by workers around the world in a broad range of markets, including the oil, gas, and petrochemical industry, the fire service, the construction industry, mining, and the military. MSA's core products include self-contained breathing apparatus, fixed gas and flame detection systems, portable gas detection instruments, industrial head protection products, firefighter helmets and protective apparel, and fall protection devices. With 2020 revenues of \$1.35 billion, MSA employs approximately 5,200 people worldwide. The company is headquartered north of Pittsburgh in Cranberry Township, PA, and has manufacturing operations in the United States, Europe, Asia, and Latin America. With more than 40 international locations, MSA realizes approximately half of its revenue from outside North America. For more information visit MSA's web site at www.MSAafety.com.

Our Mission

MSA's mission is to see to it that men and women may work in safety and that they, their families, and their communities may live in health throughout the world.

MSA: WE KNOW WHAT'S AT STAKE.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msafety.com/Trademarks>.

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