The Dyna-Glide Ladder-Rail Combination (LRC) system installation is very similar to the installation of the Dyna-Glide Rail system. All of the components are designed to be assembled and installed in a similar manner. The Dyna-Glide catalog has line art and specifications for the various mounting assemblies used with LRC. This document is a supplement to the Rail Instructions (PN R621501) and System Catalog (ID 2300-22-MC).

The LRC sections are connected with the same rail connector as Dyna-Glide Rail with the addition of two side rail connecter assemblies per LRC section that are mounted to the inside of each side of the LRC section.

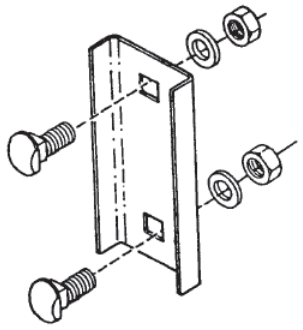
RAIL CONNECTOR ASSEMBLY

What It Is:

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

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.



Model No.	*Steel Type*
506329	Galvanized
506334	Stainless Steel

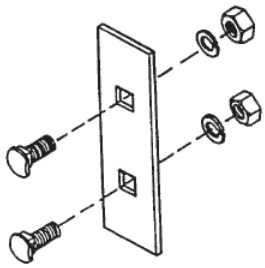
LRC SIDE RAIL CONNECTOR ASSEMBLY

What It Is:

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

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.



Model No.	*Steel Type*
506391	Galvanized
506529	Stainless Steel

The mounting assemblies are attached to the outside of the LRC via adjuster brackets. The choice of mounting assembly is determined by the size and configuration of the structure to which the mount will be installed. Some of these mounts, such as PN 506388 come in two configurations. One for the base of the ladder (PN 506389) and one mount for the rest of the ladder (PN 506388). The Dyna-Glide catalog provides the specification for the mount and if there is a base mount needed for the bottom of the ladder.

No matter which mount is used, the bottom of the ladder should be high enough above the next lower surface so that there is enough room to install the fall arrestor onto the LRC rail. LRC mounts may be spaced no further than 7'-4" apart.

As an example, below is the line art and specifications for the PN 506388 and companion PN 506389 mount. The line art shows the correct assembly and the specification gives an sample structure the bracket is designed to attach to.

STANDOFF MOUNTING ASSEMBLY

What it is:

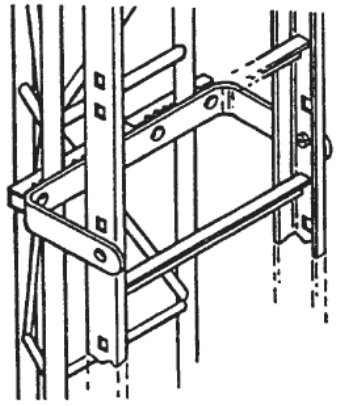
Component that anchors LRC sections to structures which have adjacent vertical support members spaced from 8 -1/2" to 19 -1/2" (216mm to 495mm) apart.

What it features:

- Establishes a minimum standoff of 7" (278mm) 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" (76mm) 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)



Model No.	*Steel Type*
506388	Galvanized

STANDOFF BASE MOUNTING ASSEMBLY

What it is:

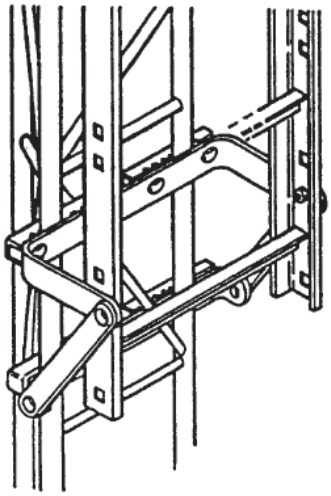
Component that fastens the lowest LRC section to a structure with adjacent vertical support members spaced from 8 -1/2" to 19 -1/2" (216mm to 495mm) apart.

What it features:

- Establishes a minimum standoff of 7" (278mm) 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" (76mm) 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)



Model No.	*Steel Type*
506389	Galvanized

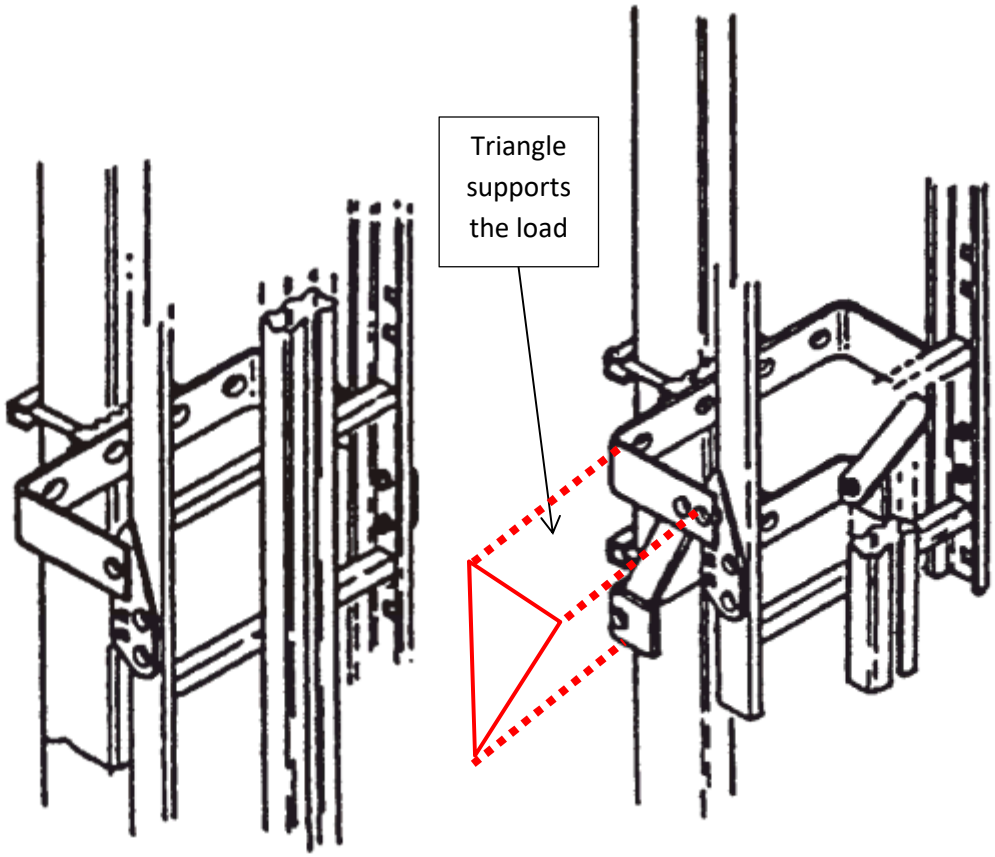
The assembly of the system follows the same procedure and planning as outlined in the Dyna-Glide Rail Installation Manual. The same procedures for fastener torque, rail alignment, system inspection, etc. outlined in sections 3 and 5 of the Dyna-Glide Rail Installation Manual apply to the installation of the LRC. Using the specifications found in the Dyna-Glide Catalog and following the instructions above along with the Dyna-Glide Rail Installation Manual a Competent Person should be able to design and install the Dyna-Glide LRC climbing system.

Do Dyna-Glide LRC Installations Have to Rest on the ground?

Dyna-Glide installations utilizing a triangulated bracket either at the bottom or throughout the height do not need to be in contact with the ground provided that the tower structure has been determined to be able to withstand the fall loading distributed among all Triangulated Brackets installed.

For an explanation of Triangulated brackets, please refer to the following.

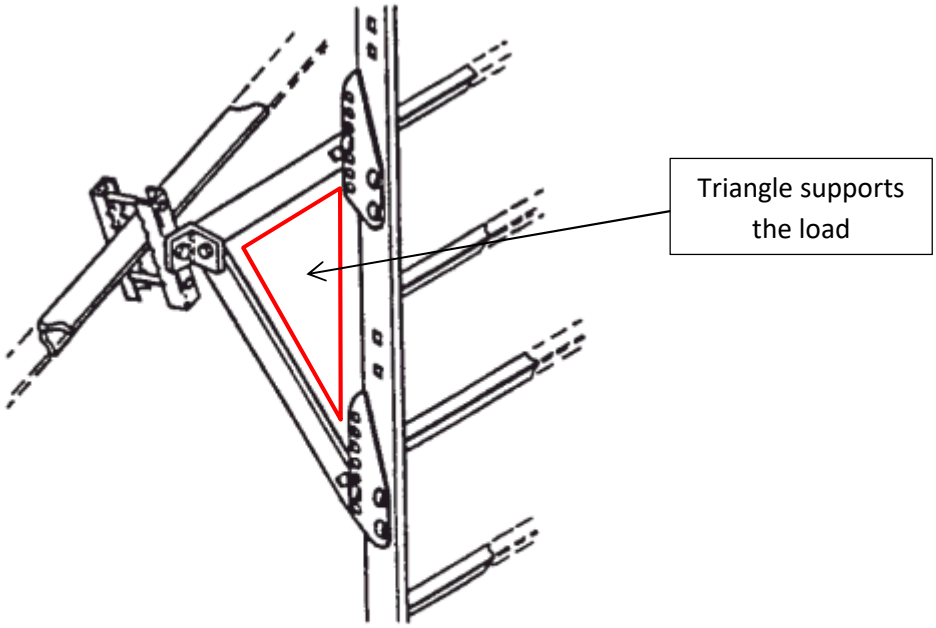
A system using "Standoff Corner Mounting Assembly" 506398 must use "Standoff Corner Base Mounting Assembly" 506400 at the base and the structure must be able to support the entire fall load at that point. This is because the non-base assembly does not have any vertical structure without the triangle created by the base assembly.



Model No.	Steel Type
506398	Galvanized

Model No.	Steel Type
506400	Galvanized

A system using the "Twin Arm Plate and Adjuster Plate Mounting Assembly" 506392 throughout does not need to bear on the ground because the load is spread over each mounting assembly because of the triangle created by the twin arms and there are more mounting assemblies to share the load.



Model No.	Steel Type
506392	Galvanized

How Far Above the Highest Mounting Bracket May the LRC or Rail Extend?

With the following considerations, the LRC may be extended up to 54” above the highest mounting bracket. This includes that the top of a Pivot Davit must also be within this dimension. For any extension, the LRC section to be extended must be a full section with mounting brackets on both sides at the uppermost connection as well as at the lowest mounting point on that section. For the "Twin Arm Plate and Adjuster Plate Mounting Assembly" 506392, the two arms may span the joint to the next LRC section below the extended one.

For a Dyna-Glide Rail section, the maximum extension possible is 18” above the highest mount. It must be a full Rail section and must have a second mount within 18” from the bottom of the Rail section.

For Pivot Davit installation on a Rail section, the rail must be mounted using the pair of slots immediately below the bottom of the pivot davit. For Pivot Davit installation on an LRC section, the top rung must be cut-out to make a clear path for the pivot davit to mount to the rail. The cut ends must be touched up with cold-galv coating. No additional bracing is necessary when removing the top rung. Ultimately, the top of the Pivot Davit may be approximately 28 inches above the uppermost ladder rung.