



Autoquip

Guide to VRCs

Choosing the Right VRC for
Your Business



Our VRCs are not a one-size-fits-all solution. There are countless applications for VRCs to transport materials, supplies, and equipment from one level to another. When deciding which VRC is best for your particular application, start by determining which type you need - Mechanical or Hydraulic.



Mechanical VRCs

Mechanical lifts are designed to transport heavy loads, travel vertically up to 100 feet, and stop at three or more levels.

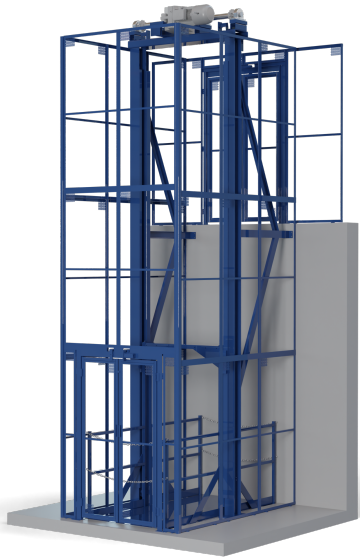
If your application requires precision operations, high-volume cycles, or fast transit, a mechanical VRC is the solution.



Hydraulic VRCs

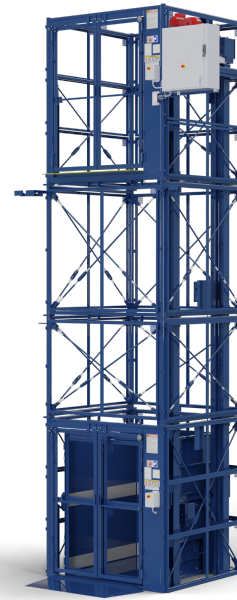
Hydraulic lifts are less expensive and can handle loads up to 6000 pounds. They can travel vertically to a maximum height of 28 feet and accommodate stops at two levels.

Once you determine the best type of VRC, Autoquip manufactures specialized VRC designs in standard and customized options



Straddle

Straddle lifts are designed to handle the movement and transfer of larger loads by “straddling” the carriage between two beams. The straddle model provides a stable platform but offers fewer loading options. Our standard models can travel up to 30 feet. Available in both mechanical and hydraulic configurations.



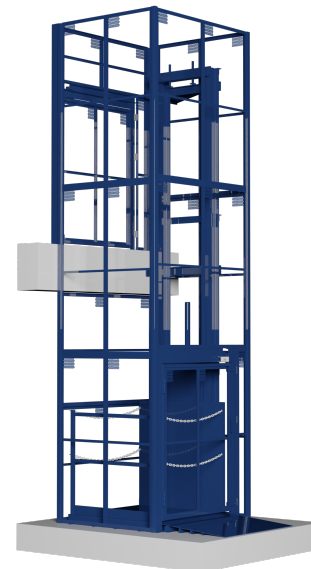
Cantilever

This 2-post lift design eliminates overhead restrictions by using a cantilevered carriage off the guide beams. Standard models can handle loads up to 6,000 pounds and travel 12 feet. We can extend the travel distance using custom engineering if needed. Available in both mechanical and hydraulic configurations.



4 Post

Lifts using this design draw support from each corner. 4 Post lifts offer maximum versatility and are more costly, but they provide the most capacity, precision, vertical travel, deflection, and loading options. Due to the features of the 4 Post design, it is available in a mechanical version only.



Freightlite

This material handling lift is ideal for moving lightweight loads below 3,000 pounds. Freightlite lifts can travel up to 15 feet. The reinforced platform minimizes deflection while maximizing stability. These hydraulic units are cost-effective and easy to install.

Product Selection Guidelines

A VRC is a versatile piece of equipment, but it's critical to ensure the lift you choose is a fit - regarding both your application's requirements and the space available in your facility.

When choosing a VRC, consider the following factors

How high will your VRC need to travel?

What's the weight of your max load?

What size cargo will the lift need to accommodate?

What's the loading pattern?

Where in your facility will the lift be installed?

How frequently will the VRC be utilized?

Do you require custom features?

Our team has the experience and knowledge to help you identify the right model and features to meet your specific needs.

Autoquip VRC Product Family	Hydraulic Cantilever	Hydraulic Straddle	Hydraulic Freight Lift	Mechanical Cantilever	Mechanical Straddle	Mechanical 4 Post	Package Lift
Design Type	Carriage is mounted in front of guide beams. Load pattern is straight through "Z" or on/off the same side "C" or "90 degree" over any of the 3 sides. Low to mid-range capacity	Carriage is centered between 2 guide beams. Load pattern is straight through "Z" or on/off the same side "C". Low to mid-range capacity	Carriage is mounted in front of guide beams. Load pattern is straight through "Z" or on/off the same side "C" or "90 degree" over any of the 3 sides. Low capacity	Carriage is mounted in front of guide beams. Load pattern is straight through "Z" or on/off the same side "C" or "90 degree" over any of the 3 sides. Low to mid-range capacity	Carriage is centered between 2 guide beams. Load pattern is straight through "Z" or on/off the same side "C". Low to mid-range capacity	Carriage is mounted within four guide beams. Load pattern is straight through "Z" or on/off the same side "C" or "90 degree" over any of the 4 sides. Mid to high-range capacity	Variety of Configurations Low Capacity
Actuation Type	Hydraulic	Hydraulic	Hydraulic	Mechanical	Mechanical	Mechanical	Mechanical
Carriage Size	Up to 8' W x 8' L	Up to 8' W x 12' L	Up to 6' W x 6' L	Up to 8' W x 8' L	Up to 10' W x 12' L	Up to 12' W x 15' L	Up to 4.5' W x 4.5' L
Configuration	2-Post Cantilever	2-Post Straddle	2-Post	2-Post Cantilever	2-Post Straddle	4-Post	2-Post
Capacity (lbs)	Up to 6,000	Up to 6,000	Up to 3,000	Up to 6,000	Up to 6,000	Up to 20,000	Up to 500
Vertical Travel	Up to 30 ft.	Up to 30 ft.	Up to 15 ft.	Up to 100 ft.	Up to 100 ft.	Up to 100 ft.	Up to 26 ft.
Levels	2 Levels	2 Levels	2 Levels	Multi	Multi	Multi	Multi
Standard Speed (FPM)	25 FPM	25 FPM	15 FPM	30 FPM	30 FPM	25 FPM	?