

HIGH-LIFT SYSTEM SPECIFICATIONS

Track Adder Calculation

To calculate the required Track Adder, ensure you have the following measurements:

- **Floor to ceiling height** (e.g., 144")
- **Track Size:** 2" or 3" (e.g., 2")
- **Track Radius:** 12", 15", 20", or 32" (e.g., 12")

$$\text{Floor to Ceiling} - \text{Track} - \text{Radius} - \text{Door Height} = \text{Track Adder}$$

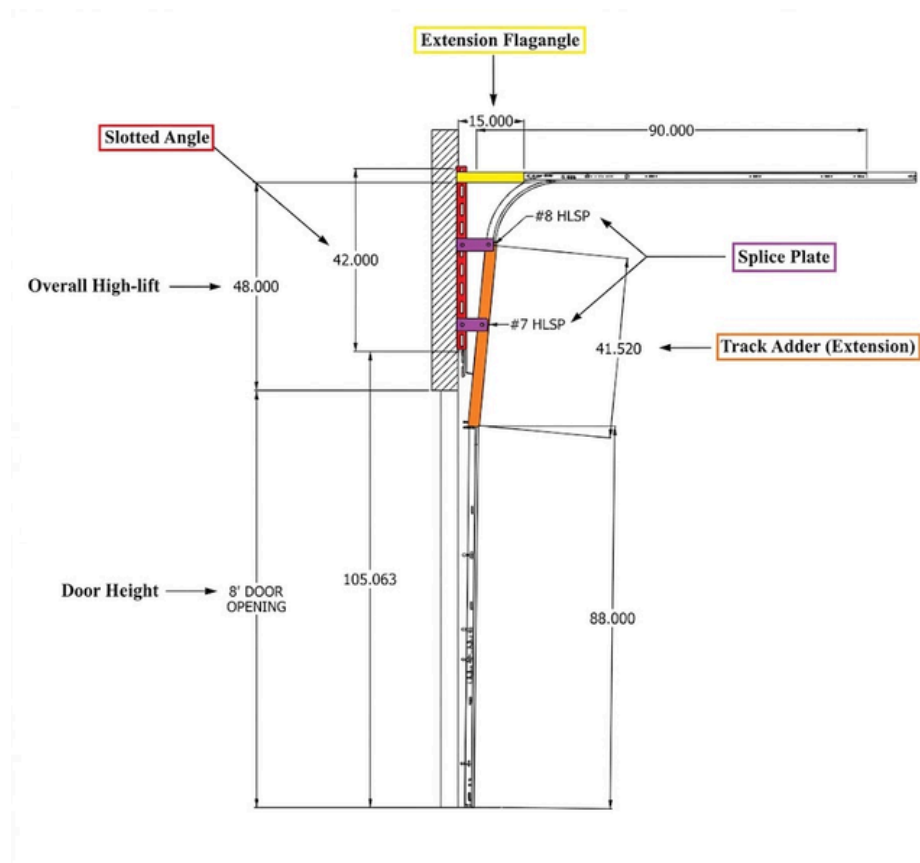
(Example: 34" Track Adder needed)

Key Terms and Definitions

- **High-Lift Track:** Hardware that makes a garage door travel straight up the wall higher than standard lift before curving horizontally.
- **Track Adder (Extension):** The extra vertical track segments added to a standard setup to increase the high-lift height.
- **Overall High-lift:** Standard track high-lift plus track adder for overall high-lift height for calculating springs.
- **Floor to Ceiling:** The measurement taken from the bottom of the garage door to the lowest ceiling obstruction.
- **Headroom:** The clear vertical space between the top of the door opening and the lowest ceiling obstruction.
- **Lift-Clearance:** The measured distance from the top of the door opening up to the underside of the horizontal tracks.
- **Splice Plate:** A metal plate used to securely join two separate structural pieces (slotted angle to track sections or track adder) together end-to-end, maintaining alignment and structural integrity. The number of plates increases length the higher the high-lift.
- **Slotted Angle:** Used vertically to stabilize the tracks and the spring assembly. Mounts to the wall connecting to the splice plates.
- **Extension Flagangle:** Slotted Angle that extends from the wall to secure the end bearing plate and horizontal track system.
- **High-Lift Drum:** A specialty cable drum with both a tapered portion and a flat portion to handle the hybrid vertical and horizontal travel.
- **Jackshaft Opener:** A wall-mounted garage door motor REQUIRED for all high-lift systems. Standard overhead (trolley) rail operators cannot accommodate the increased vertical lift.

Diagram Components & Color Coding

Structural components correspond to the following color-coded highlights:



Hardware Specifications

Drums

MODEL	DIAMETER	HIGH-LIFT MAX	WEIGHT MAX
Drum 400-54	4"	54"	550 lbs
Drum 5250-54	5.25"	54"	1000 lbs
Drum 5750-120	5.75"	120"	1000 lbs
Drum 6375"-164	6.375"	164"	1000 lbs

Springs

Door weight and height are needed to correctly calculate the required springs.

Cables

Door height and drum size are required to determine the precise cable length.