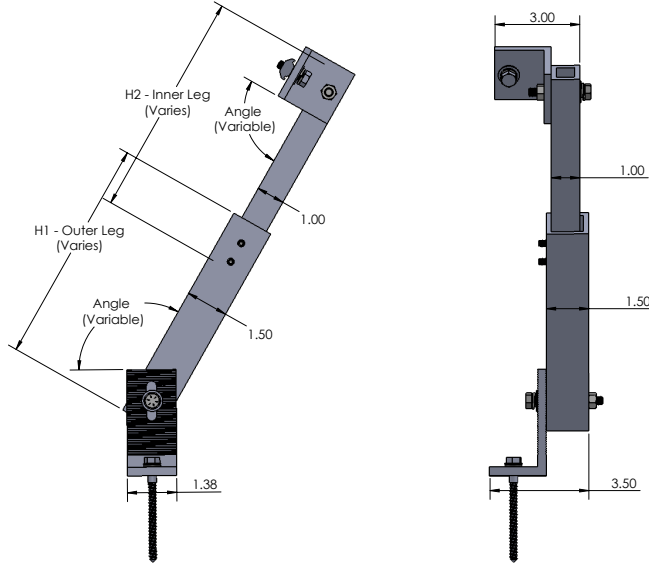


## Adjustable Tilt - Rear Leg



Part #	Description
GR-AT-RL1015	Adjustable Tilt-Rear Leg 10-15"
GR-AT-RL1530	Adjustable Tilt-Rear Leg 15-30"
GR-AT-RL3060	Adjustable Tilt-Rear Leg 30-60"



Part #	H1 (in)	H2 (in)
GR-AT-RL1015	8	8
GR-AT-RL1530	14	14
GR-AT-RL3060	26	26

### Features:

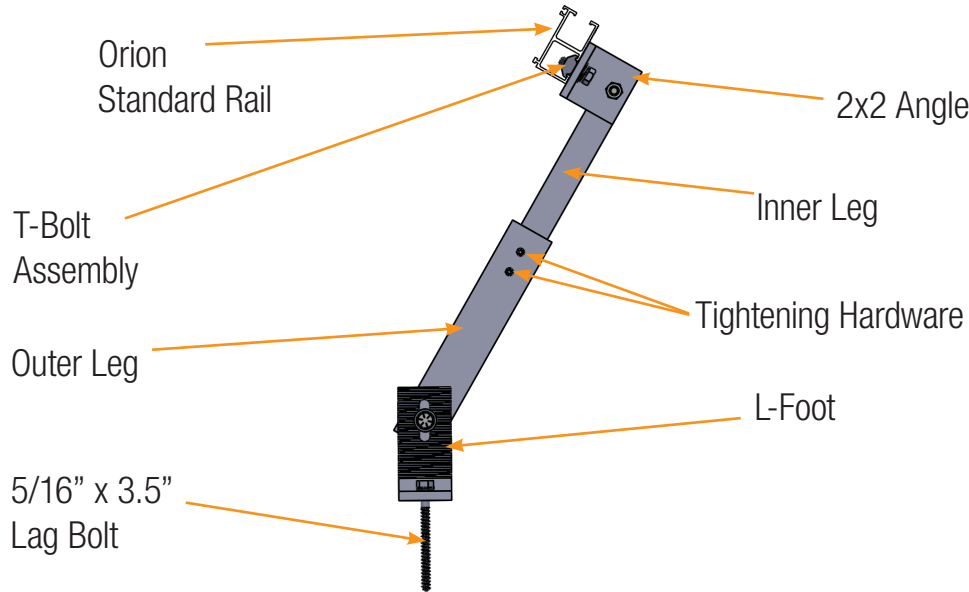
- Outer and Inner Leg Material: 6061 T6 Aluminum
- L-Foot and Angle Material: 6063 T5 Aluminum
- Hardware Material: 300 Series Stainless Steel
- Weight:

Part #	Degree Tilt	Weight (lbs)
GR-AT-RL1015	10-15°	1.6
GR-AT-RL1530	15-30°	2.6
GR-AT-RL3060	30-60°	4.2



## Adjustable Tilt - Rear Leg

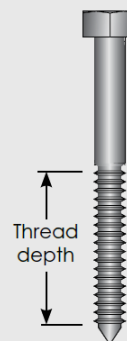
### Installation Overview



- Locate rafters and chalk horizontal and vertical lines to mark location of penetrations. Drill 1/4" holes and backfill with sealant.
- Take 5/16" x 3/5" lag bolt and tighten into rafter.
- Adjust outer and inner leg to desired tilt and angle. Tighten nut until legs lock in place.
- Use T-Bolt Assembly to attach rail to rear leg. Ensure that this aligns with front leg assembly

Lag pull-out (withdrawal) capacities (lbs) in typical roof lumber (ASD)

	Specific gravity	<sup>5</sup> / <sub>16</sub> " lag screw* specifications per inch thread depth
Douglas Fir, Larch	0.50	266
Douglas Fir, South	.46	235
Engelmann Spruce, Lodgepole Pine <sup>1</sup>	.46	235
Hem, Fir, Redwood (close grain)	.43	212
Hem, Fir (North)	.46	235
Southern Pine	.55	307
Spruce, Pine, Fir	.42	205
Spruce, Pine, Fir <sup>2</sup>	.50	266



Sources: American Wood Council, NDS 2005, Table 11.2a, 11.3.2A.

**Notes:**

- (1) Thread must be embedded in the side grain of a rafter or other structural member integral with building structure.
- (2) Lag bolts must be located in the middle third of the structural member.
- (3) These values are not valid for wet service.
- (4) This table does not include shear capacities. If necessary, contact a local engineer to specify lag bolt size with regard to shear forces.
- (5) Install lag bolts with head and washer flush to surface (no gap). Do not over-torque.
- (6) Withdrawal design values for lag screw connections shall be multiplied by applicable adjustment factors if necessary. See Table 10.3.1 in the American Wood Council NDS for Wood Construction.

\*Use flat washers with lag screws. t

<sup>1</sup>MSR 1650 f & higher

<sup>2</sup>E of 2 million psi and higher grades of MSR and MEL