

## EasyLift V “Do It Yourself” Build Instructions

**Disclaimer** - We offer the EasyLift drawing and associated information as a courtesy because we no longer build and market this lift. This said, we can not control how these lifts are built by other people or entities and can not assume any liability for others building the EasyLift with their own resources that are beyond our control.

The EasyLift V is designed to be used with the Harbor Freight ATV/Motorcycle Lift #61632 or #60536

Note: you need access to at least a lathe and a vertical milling machine to machine the pivot bar and aluminum parts.

### Bill of Materials in addition to the included drawing information .....

1 pc, 3 inch aluminum structural “C” channel, 42 inches long.

1 pc, 5/4 x 6 pressure treated deck wood, 44 inches long.

1 pc, 1”-8 Hex Bolt 12 inches long, McMaster #91236A936.

2 pcs, “U” bolts, Ace Hardware, Hampton 1/4-20 inch thread, 1-1/8 inch center to center, 3-1/2 in. Long, Zinc-Plated Steel.

2 pcs, Medium-Strength Steel Hex Nut, Grade 5, Zinc-Plated, 1"-8 Thread, McMaster #95462A548.

1 pc, Zinc-Plated Steel Internal-Tooth Lock Washer for 1" Screw Size, 1.019" ID, 1.637" OD, McMaster #91113A038.

1 pc, Zinc-Plated Steel SAE Washer for 1" Screw Size, 1.062" ID, 2" OD, McMaster #90126A038.

1 pc, External Retaining Ring for 1-5/16" OD, Zinc Yellow-Chromate-Plated Spring Steel, McMaster #98410A250.

1 pc, indoor/outdoor carpet, 13 ½ x 45 ¼ inches long

6 pcs, Truss Philips Head Zinc Plated #10 sheet metal screws, 1 ¼ inches long.

### Build procedure

Machine base plate, pivot bar and pivot socket per drawings.

Bore hole (vertical mill) in 42 inch long 3 inch aluminum “C” channel (crossbeam) for light press fit of the minor diameter of pivot socket. Bore the hole at the length and width centerline of the channel.

Drill 13/64 inch holes at 2, 10 and 18 inches from each end the the channel on the width centerline (6 holes for deck board).

Radius any sharp edges on the channel and other parts for safety.

Continued on back side.....

## EasyLift V “Do It Yourself” Build Instructions..... Continued

Press and seat the minor diameter of the pivot socket into the bored hole in the crossbeam. Secure the socket with the external retaining ring and confirm a tight and secure fit. Note: The socket can be welded to the crossbeam at the retaining ring location without the ring, if preferred, if aluminum welding equipment and skill sets are available.

Bore a 1 ½ inch hole in the center of the deck wood to accommodate the pivot socket end. Chamfer this hole on the bottom side for clearance of the retaining ring (or weld bead).

Center indoor/outdoor carpet on deck wood. Wrap carpet around wood and staple on the back side every 4 inches on both sides of carpet. Trim carpet to lay flat on flat side top of aluminum crossbeam. Fold over and staple the carpet ends if you want the “upholstered” look.

Center the flat side of aluminum crossbeam on the bottom of the carpeted deck wood and use #10 screws to secure wood to crossbeam. Note: Use an awl to start each hole. The screws should screw in easily.

After several days, tighten screws again. The carpet will compress and screws may loosen. Check for looseness in the future too.

That should do it. Now you can refer to the EasyLift V manual for further assembly and lifting instructions.

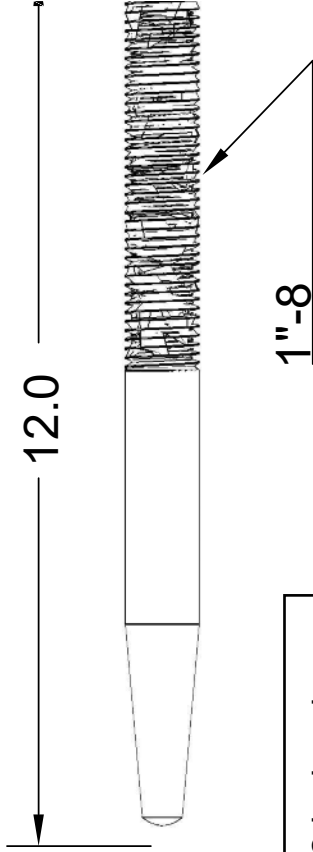
Drawing on following pages

# EasyLift V "Do It Yourself" Build Instructions..... Continued

## Vertical Pivot

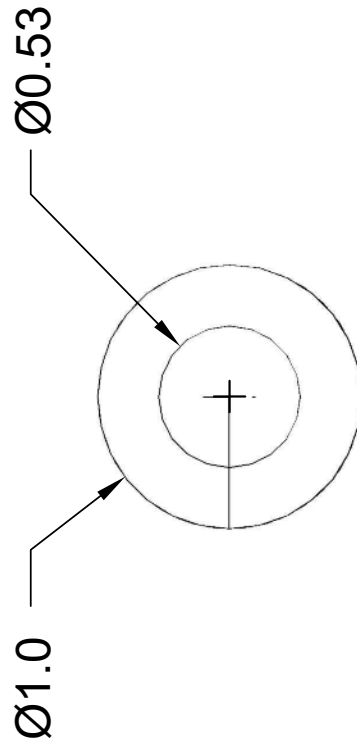


Dimensions - SAE inches

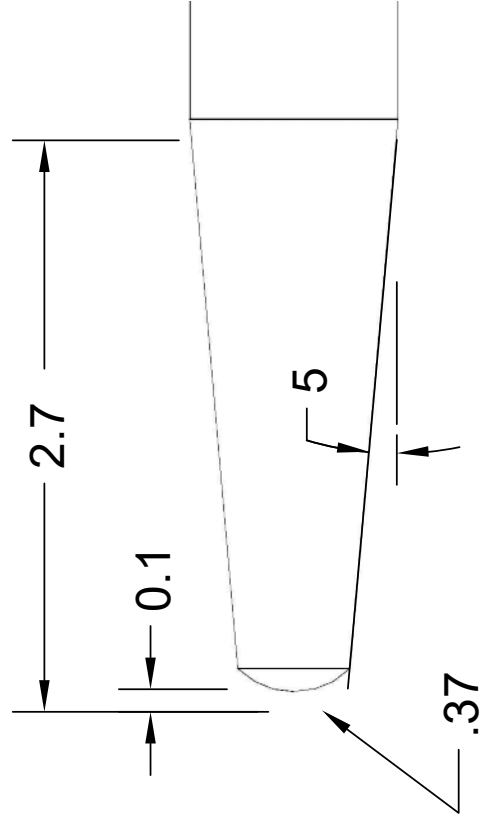


Fabricated from 1"-8 hex bolt, 12 inches long,  
McMaster-Carr part #91236A936

Side



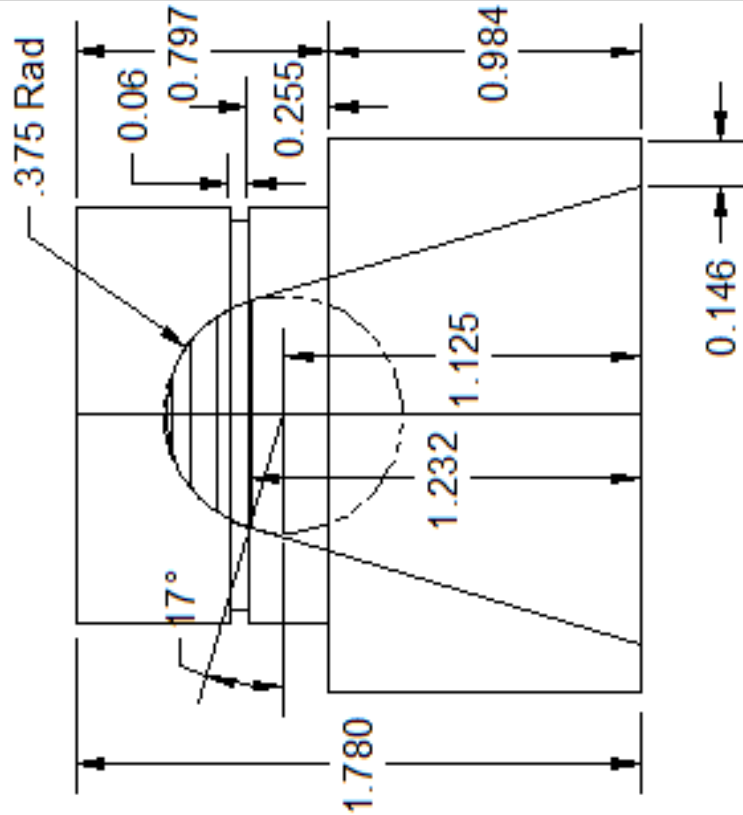
Front View



Detail

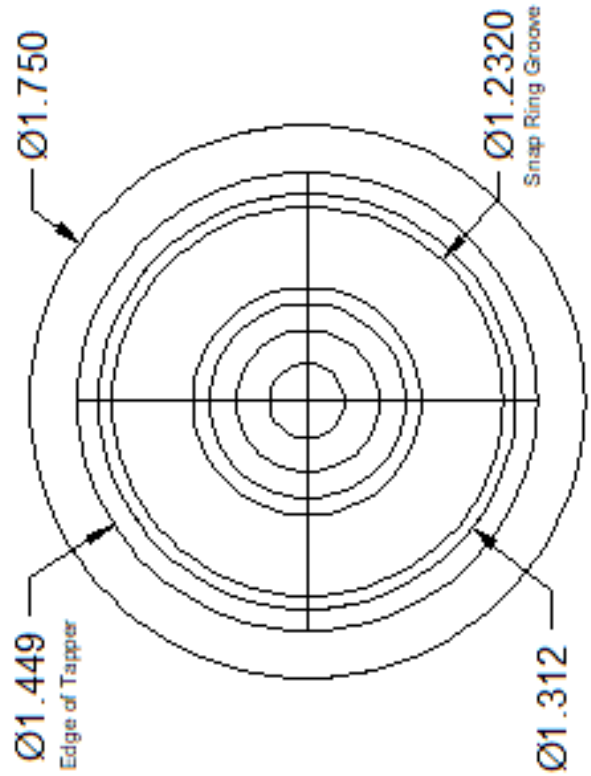
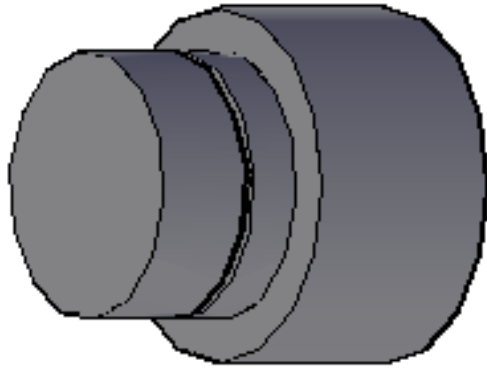
# Easy Lift Socket

Version 3 and 4



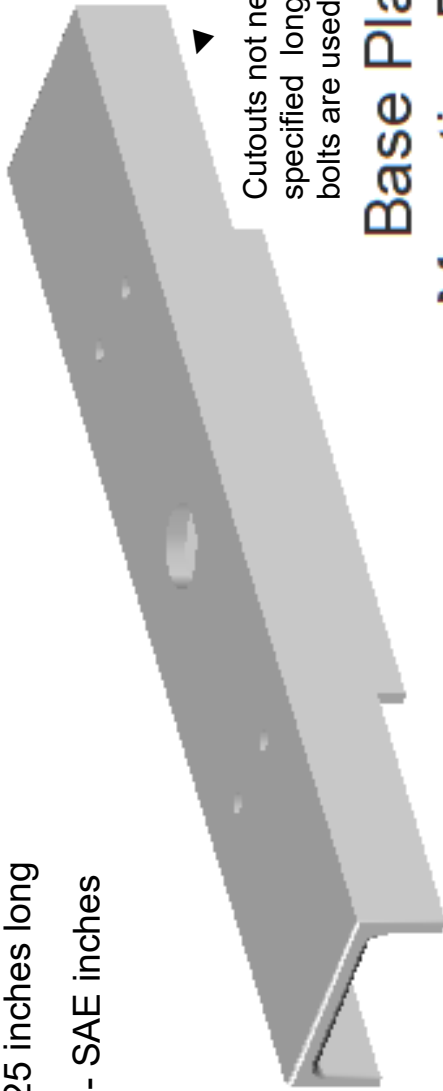
6061 Aluminum Round Stock

Dimensions - SAE inches



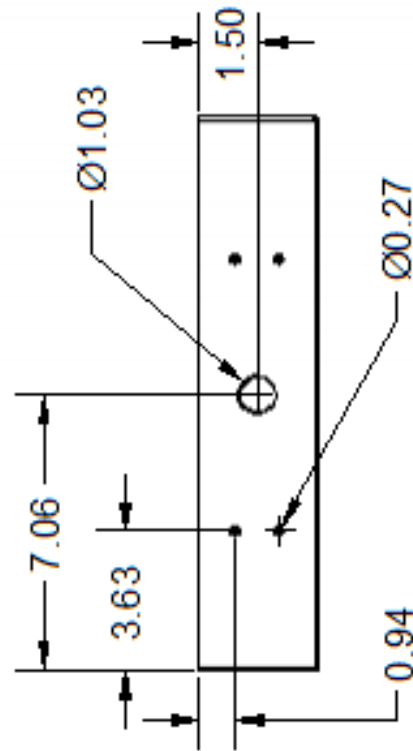
1 pc, 3 inch aluminum structural "C"  
channel, 14.25 inches long

Dimensions - SAE inches

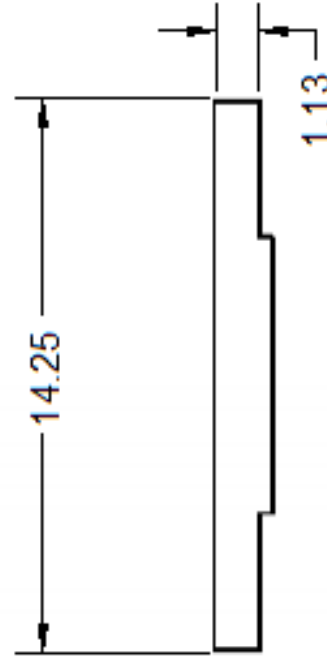


Cutouts not needed if  
specified longer "U"  
bolts are used.

## Base Plate Mounting Beam



## Top View



## Side View