

4Crawler Offroad - Rock SliderZ - DIY Parts Cutting List

Frame brackets:

4"x4"x1/4" flat plate - 4 pcs.

For bolt on, drill 2 or 3 - 1/2" holes vertically on each side

Support legs:

Front and Rear:

Use 2"x2"x0.120" wall sq. tubing, 5.75" long - 4 pcs. 90° cuts both ends

Gussets can be added between bracket and leg is desired.

3/16" or 1/4" scraps, cut ~45° or so 1" - 2" long - 1 per leg.

Weld support leg to frame bracket:

Flush with bottom for stock height, centered side-side

Raise legs on brackets to match body lift, up 1" for 1" lift, etc.

For mounting with sleeves through the frame, use lengths of tube/pipe that fits your desired mounting bolts. 1/4" - 3/8" pipe is typical. Cut the tube to match the thickness of your frame. If you wish, you can drill and tap the holes in the mounting plates and screw the threaded pipe into the plate. Then you'll need to drill a hole through the frame to fit your bolts, then drill the outside of the frame to fit the sleeves. If you wish, you can weld the sleeves to the outer frame wall or use the threaded attachment as noted above.

Outrigger legs:

1.5"x1.5"x0.0120" sq. tubing, - 8 pcs. typical, 4 per side

24° parallel bevel cuts each end, 3" - 3.25" long

This raises the outer bar ~1" above the inner bar

Can use more or less angle as desired

Inner bar:

2"x2"x0.120" wall sq. tube, 64" long - 2 pcs.

45° bevel cut on each end

Outer bar:

2"x2"x0.180" wall sq. tube, 62" long - 2 pcs.

Use 0.120" wall for standard sliders

Use 0.180" wall for ultimate sliders

You can use other wall thicknesses as desired

45° bevel cut on each end

For 1" kick out, cut 12" off each end @ 2.5° vertical angle and swap ends and re-weld or notch out a 5° (included angle) wedge and bend/weld

For 2" kick out, cut 12" off each end @ 5° vertical angle and swap ends and re-weld or notch out a 10° (included angle) wedge and bend/weld

End caps:

2"x2-5/8"x0.120" flat bar - 8 pcs.

Weld onto 45° bevel cut ends of inner/outer tubes to cap them off.

Air storage:

Drill and tap hole for 1/4" NPT pipe nipple, weld into place on inside face of inner tube

For air in outer tubes, drill holes in line with one outrigger leg to allow air to pass.

On the end caps, you may consider cutting a 2nd set of end caps to fit inside the tube and weld/seal those before adding the outer caps, since it can be difficult to seal the outer caps if you plan to grind the corners smooth.

Vehicle frame can be used as the assembly jig.

Tack weld the support legs to the frame brackets then clamp the frame bracket to the frame as noted.

Then tack weld the inner tube to the support legs.

Front bracket typically fits with 16" of inner bar in front of that support leg.

Rear bracket can go most any place you want on flat part of the frame, around 16" forward of the end of the inner bar works well, staying clear of suspension and body mount brackets.

Keep the inner bar approx. centered between the front and rear wheel wells.

You can make the bars longer or shorter (than the 64"/62" lengths) if desired.

For example, to save some money, you could cut all 4 bars at 60" long from one 20' stick of 2"x2" square tube.

Your truck, your sliders, you can make them whatever length and wall thickness you want.

If you have any questions or need clarification, contact us at sales@4Crawler.com

Assembly instructions:

https://www.4crawler.com/4x4/ForSale/Docs/NerfBarKit_HowTo.shtml

Installation instructions:

https://www.4crawler.com/4x4/ForSale/Docs/NerfBar_HowTo.shtml

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