

# ELEVATE

## Anti-Sway Bar Theory and Adjustment

An anti-sway bar is essentially a large lever designed to limit the roll angle of a car by using their torsional stiffness to resist the movement of one wheel moving up and the corresponding wheel on the other side of the car moving down. Connecting the two wheels (front to front, rear to rear) with an anti-roll bar causes the bar to twist, and body roll is reduced as a result. By properly engineering materials and the diameter of your ELEVATE Anti-Sway Bars, we are able to offer you a product that will greatly increase handling.

ELEVATE Anti-Sway Bars offer adjustability for precise tuning of your suspension to achieve the balance you desire during cornering. This is achieved using the two or three holes at the end of each Anti-Sway Bar. Inserting and bolting the end link to the outermost hole will “soften” the Anti-Sway Bar, while bolting the end link to the innermost hole will stiffen the Anti-Sway Bar and make it more effective. The positioning of the holes simply increases or decreases the effectiveness of the lever. The below diagram is an easy reference:



Every person has different driving styles and likes their car to “feel” a different way; this is why we offer adjustability. Some experimentation will need to be performed as to which settings you will find most fitting to your driving style.

During installation, be sure to use the included grease inside the bushing where it makes contact with the sway bar. The front bushings allow easy re-greasing via the zerk fitting on the bushing bracket utilizing a standard grease gun.