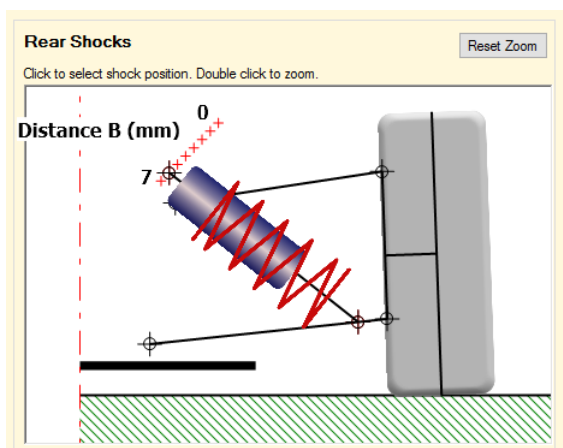
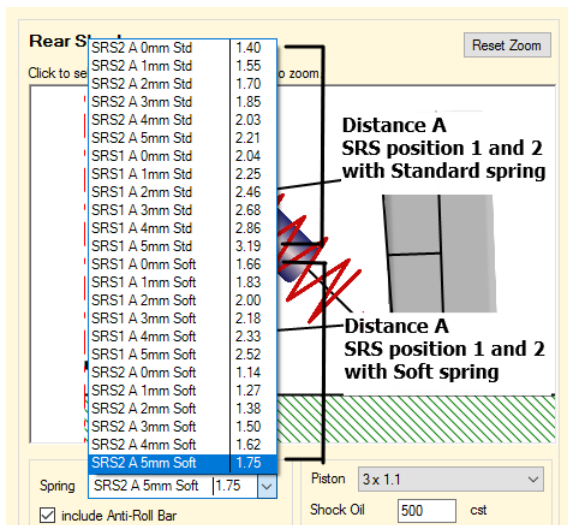


Awesomatix A800 Shock Spring Model

This shock spring model approximates the complete Suspension Stiffness Graph included in the Awesomatix A800 manual. IN RC3 the Ride Rate listed in the Suspension Properties table on the Setup page is equivalent to this value, expressed in different units. To convert the gm/mm suspension stiffness values to N/mm ride rate multiply by .00981. The predicted values are within $\pm 5\%$ of those in the graphs.



Changing Distance B equates to changing the shock angle. Each position in the figure below represents a 1mm change in the Distance B value on the X axis of the Suspension Stiffness Graph. If you would like finer resolution on the adjustment of the B value open the "Chassis Manager" and change the Number of Upper Mounting Holes to 15 for .5mm resolution or to 36 for .2mm resolution.



The Distance A measurement, changing the SRS/RHS screw arrangement, and changing the spring itself is represented by changing the spring rate in RC3. To select the correct spring to use simply select the SRS arrangement, 'A' distance (0-7mm) and installed spring either Standard or Soft spring.