



AL-KO Rubber Suspension Axle mounting bolt minimum requirements.

Please refer to the table below for minimum bolt specification.

Fastener Type	Grade Specification
Metric black/zinc	Grade 8.8
Metric SS	Grade A4-80
Imperial Black/Zinc	Grade 5
Imperial SS	None recommended, see notes*.

Table 1

Notes: *For socket head cap screws, all available metric threads in black, zinc or stainless will be equivalent or higher strength than those listed above. Socket head cap screws in imperial are also available in black/zinc of equivalent grade or higher than those listed above. SS socket head cap screws in imperial thread form are also available in high tensile, though are not common, please check with your bolt supplier for availability and suitability.

** Please consult your supplier for the appropriate tightening torques of all fasteners.

*** Due to the often harsh vibrations sustained at axle mounts, AL-KO recommends the use of fine thread fasteners and Ny-loc ® nuts.

Assembly Notes:

Figure 1 below shows a typical example of axle bracket mounting. Of particular importance is the size and quality of flat washer used when mounting as shown or similar. AL-KO recommends the use of high tensile flat washers top and bottom. Different manufacturers produce different size washers in high tensile. Please obtain the largest washer available for your given axle size, maintaining accordance with the table below.

Axle Size	Min Washer Dia	Max Washer Dia	Min Washer thickness
62, 80, 97	30mm	36mm	3mm
110, 120	32mm	40mm	4mm

Table 2

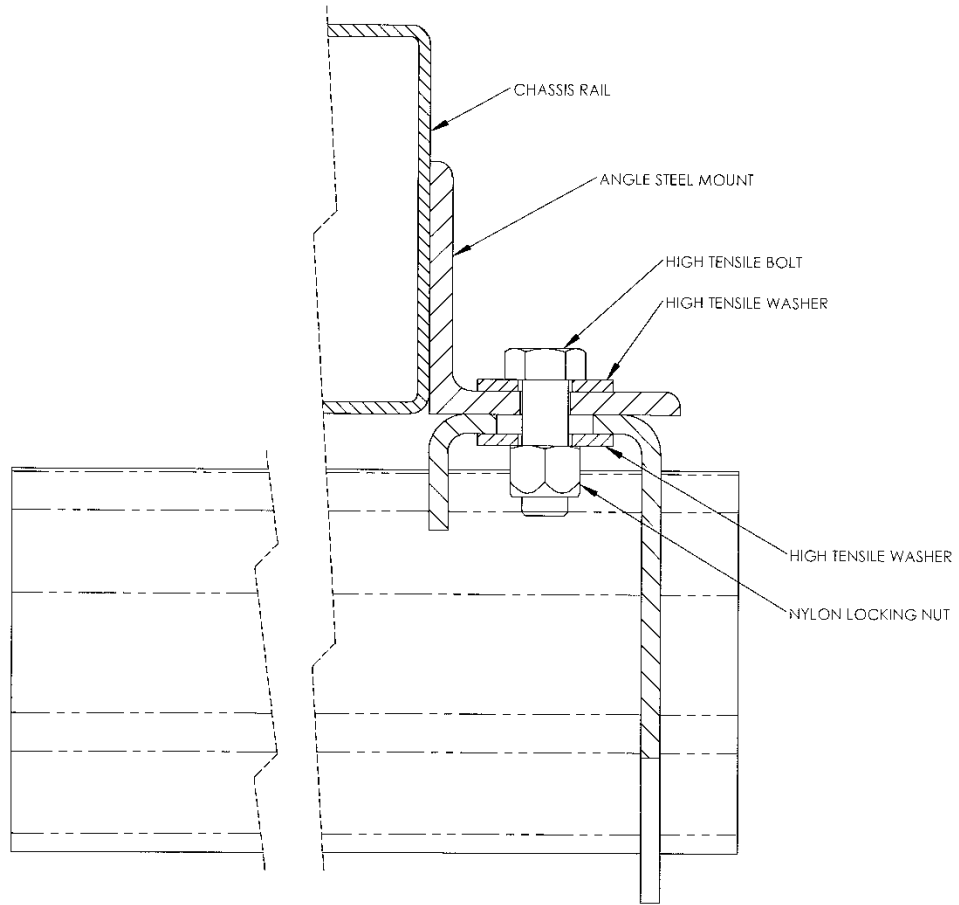


Figure 1