

PRODUCT BULLETIN

IRS Axle Bracket Fitment – May 2024

AL-KO Rubber Suspension Axle mounting bolt minimum requirements.

Please refer to table 01 below for minimum bolt specification

Table 01

Fastner Type	Grade Specification
Metric zinc	Grade 8.8
Metric Stainless Steel	Grade A4-80
Imperial zinc	Grade 5
Imperial Stainless Steel	Note recommended, see notes* .

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 zinc of equivalent grade or higher than those listed above. Stainless Steel 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 01 on the following page 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 table 02 below.

Table 02

Axle Size	Bolt Size	Min Washer Dia	Max Washer Dia	Min Washer Thickness
62, 80, 97	12mm / 1/2"	30mm	36mm	3mm
110	12mm / 1/2"	32mm	40mm	3.8mm
120	16mm / 5/8"	34mm	40mm	3.8mm

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Figure 01

