KNIGHTS ARMAMENT

ACC-IN-0004 REV 2
PN: 31912

M-LOK ACCESSORIES

PART NUMBER	DESCRIPTION
P/N 31906	M-LOK SCOUT LIGHT MOUNT
P/N 31916	M-LOK BARRIER STOP
P/N 31912	M-LOK 5-SLOT RAIL
P/N 31896	M-LOK MICRO FRONT SIGHT
P/N 32096	M-LOK SLING MOUNT

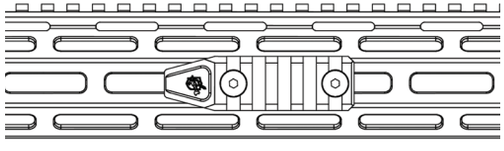
KAC M-LOK accessories are primarily designed to optimally interface with the URX4 series of handguards, but are fully compatible with other handguards that are built to the published technical data package. Construction material selected to match application; aluminum for weight reduction, steel for high strength and durability.

ENSURE THAT THE ACCESSORY IS FULLY SEATED INTO A SLOT WHEN MOUNTING

- The bottom of the accessory should sit flush with the mounting surface. If it doesn't then slide the accessory fore-aft until it drops fully into the slot with the lugs engaged.

TURN THE ATTACHMENT SCREWS

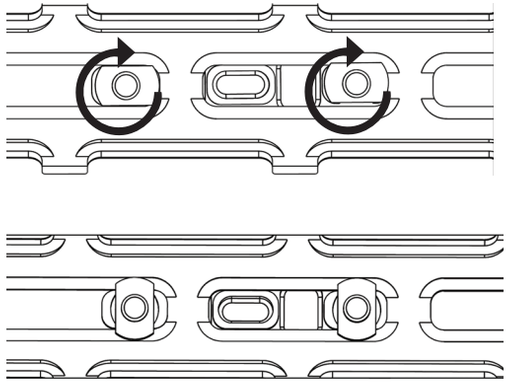
- Apply some downward force on the hex wrench to ensure that the screw is seated, and then tighten. For maximum repeatability, "bias" theaccessory before fully tightening.
- To bias the accessory, apply a slight amount of pressure to the accessory to make solid contact with one side and the front (towards muzzle) of the M-LOK slot. Then tighten all fasteners fully. This step is not necessary, but aids repeatability.

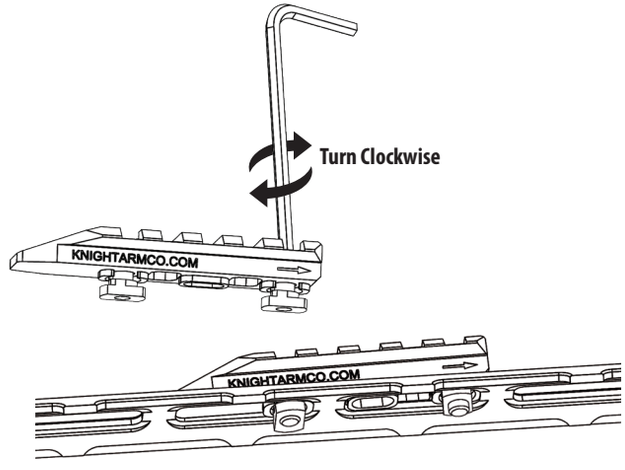


Push down and forward to bias

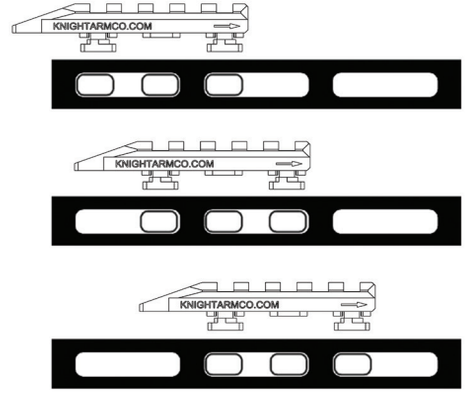
ENSURE THAT THE NUT ROTATES THE FULL 90° INTO THE LOCKED POSITION

- If the nuts are adjusted properly, they should rotate into perfect 90 degree alignment with 1/4 turn of the screw.





INTERMEDIATE SPACING OPTIONS



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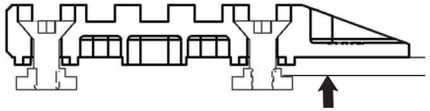
M-LOK ACCESSORIES CONTINUED

ADJUSTING THE NUT TO THE CORRECT HEIGHT

• For best function, the T-Nut "gap" must be slightly greater than the thickness of the mounting surface (see pic). This can be done by measuring the mounting surface thickness directly or using the edge of the mounting surface as a gauge. For most aluminum mounting surfaces setting the nuts as depicted below, with the highest edge of the T-Nut even with the bottom edge of the recoil lug, will provide correct function. Some thicker rails or polymer rails may require the nuts to be looser with a one or two thread gap between the nuts and recoil lugs.



IF THE T-NUTS ARE NOT ROTATING PROPERLY:

• When nuts are spaced too far then the nut will rotate freely without stopping and tightening.

• In this case the nut will have to be screwed in closer to the bottom of the accessory. Simply remove the accessory from the slot and screw the nut on one full turn. Repeat as necessary so that the cam engages the slot when the screw is tightened.

• If the nut is spaced too close to the accessory, then the "wings" of the nut will contact the sides of the slot and the nut will not rotate into place. This will cause the nut to tighten against the accessory lugs without engaging the hand guard.

• In this case the nut should be unscrewed until it is spaced far enough away from the lugs to allow it to rotate properly into position. Unscrew the nut one turn at a time and retest function.

TORQUE SPECS

• For attaching metal accessories to metal hand guards: 35 in/lbs

• For attaching polymer or metal accessories to polymer hand guards: 15 in/lbs

• The installation torque values are not minimums, they are recommended limits.

The nylon patch compound may slightly affect the torque reading if using an in/lb torque wrench.

• Using a small hex wrench should prevent over-tightening. Remember that the recoil lugs are doing most of the work, and excessive torque on the nuts is not required.

IF YOU DON'T HAVE AN IN/LB TORQUE WRENCH, HERE ARE SOME TORQUE GUIDELINES:

35 in-lb using the long arm of an L-wrench (short end in screw)

• Standard 2-5/16" wrench

- Apply 15 lb to the end of the wrench

-Approximately 1/4" deflection at the end of the wrench

• Long 3-13/32" wrench

- Apply 9 lb to the end of the wrench

- Approximately 1/2" deflection and the end of the wrench

15 in-lb using the long arm of an L-wrench (short end in screw)

• Standard 2-5/16" wrench

- Apply 6.5 lb to the end of the wrench

- Approximately 3/16" deflection at the end of the wrench

• Long 3-13/32" wrench

- Apply 4 lb to the end of the wrench

- Approximately 1/4" deflection and the end of the wrench

15 in-lb using the short arm of an L-wrench (long end in screw)

• Apply maximum force achievable by hand

REMOVAL

• To remove, simply loosen the accessory mounting screws one full turn and the T-Nuts should loosen and align with the slot to be easily removed.

• If the T-Nuts snag when passing through the slot, simply pull up gently on the accessory and continue to loosen the screw another ¼ to ½ turn, which should align the T-Nuts with the slot.

• On some polymer mounting surfaces, the T-Nuts may embed slightly into the polymer surface when tightened.

• When removing from polymer surfaces, easiest function is obtained by loosening ½ turn or so and then pressing down on the head of the screw with the hex wrench. This will free the T-Nut if it has been over tightened, and you may remove normally after this step.

• If you go too far in loosening before removing the accessory, the T-Nuts may have loosened past the slot to the point that they will not engage and are spinning freely. In this case, gently pull up on the accessory until the T-Nut cams engage the slot, and then they will turn to align with the slot as the screw is loosened further.

KAC

KNIGHTS ARMAMENT

phone (321) 607-9900
fax (321) 268-1498
701 Columbia Blvd., Titusville, FL 32780
www.KnightArmCo.com

CAGE Code: 1S002

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