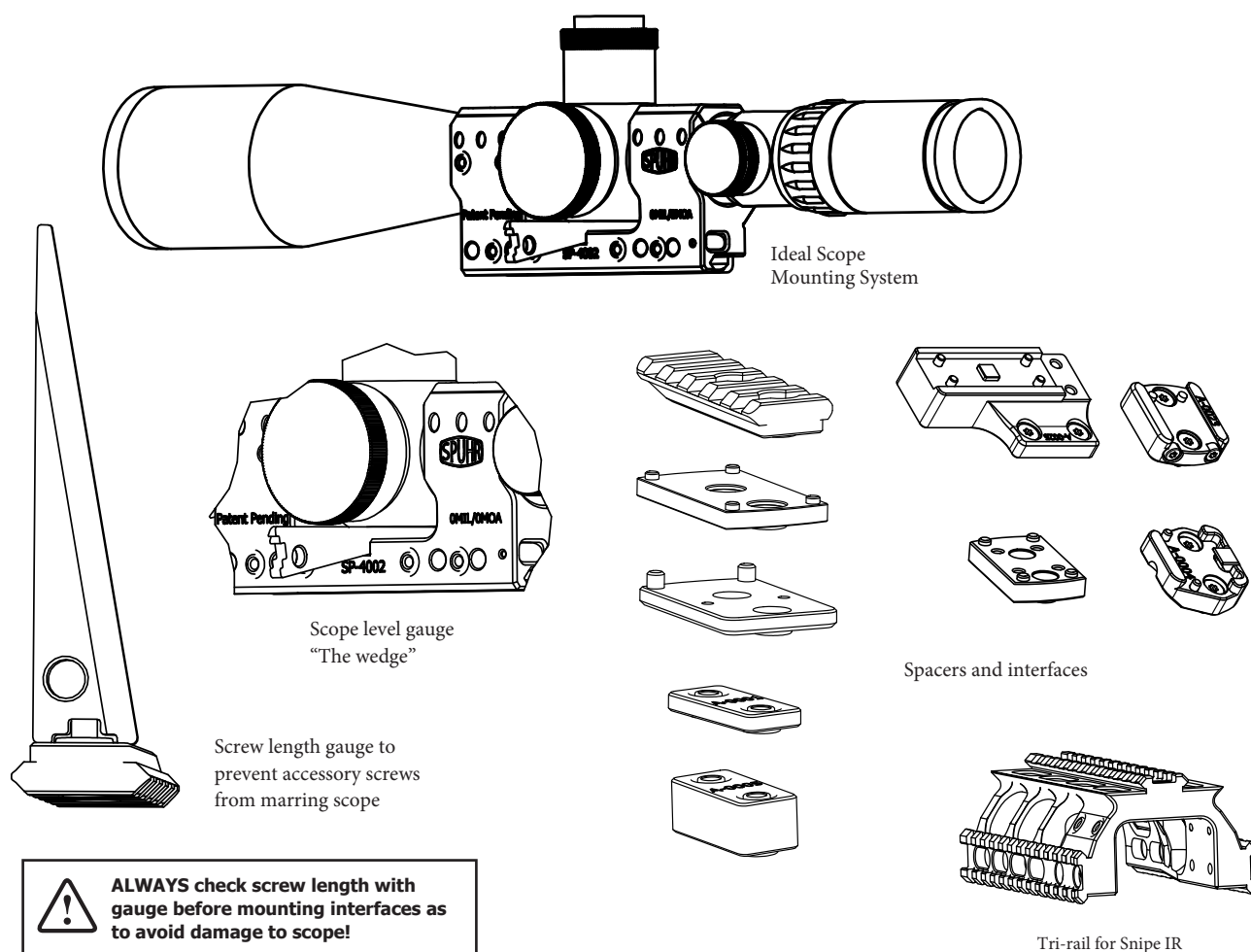




IDEAL SCOPE MOUNTING SYSTEM

Extremely sturdy one-piece scope mount, with possibility to attach multiple optical accessories directly to the mount. Built-in level. 45-degree split rings for better view of turrets. Various heights and tilts available.



Material

Mount 7055 & 7075 aluminum
Finish Sealed hardcoat anodizing
Level Clear plastic spirit level
Screws M4 Tx20 rings & interfaces
M5 Tx20 clamping screws

Interfaces:

Aimpoint Micro, Burris Fastfire, Trijicon RMR, Docter, and Leupold Deltapoint.
Various Picatinny rails in different lengths and heights.
Tri-rails, Clip-On adapters, and various interfaces and spacers for ACIs and other accessories.

Notes on mounting

Apply a light coat of oil to the rail before attaching the mount. The mount's side clamp is engraved with numbers indicating the order the clamping screws should be tightened.

Finger-tighten all clamping screws in the specified order and ensure that the side clamp has full/even contact against the rail before applying torque.

The Torx 20 clamping screws should be torqued to 45 in/lb (5 Nm) while the Torx 20 ring screws should be torqued to 15-25 in/lb (1.9-2.9 Nm).

All screws are waxed from the factory for proper torque values but customers working in extreme conditions may want to degrease the screws and screw holes and use

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IDEAL SCOPE MOUNTING SYSTEM

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Loctite 243 (Blue) instead. They may also want to use a small amount of gripping agent, such as powdered rosin, in the rings.

The insides of the rings have grooves for those who want to glue the scope into place. Gluing is not necessary but is popular with benchrest shooters. For normal use - including most military, law enforcement, and civilian use - no gripping agents are needed.

Leveling the scope

The scope must be mounted without any side cant or any elevation adjustments will result in unintentional windage adjustments.

The included 10-degree wedge properly aligns the rotation of the scope with the built-in spirit level.

Place the scope into the rings. Slide the 10-degree wedge into the key way in the mount and against the flat bottom of the scope. Once scope is properly aligned, cross-tighten the ring screws starting with the middle screws.

The spirit level is made from plastic and can be easily replaced. Remove the M8 set screw on the rear right side of the mount body and push out the level from the left. Replacement levels are available for order. Be careful when replacing the set screw - too much force will crack the level.

Picatinny Rails

When possible we recommend attaching the ISMS directly to the integral rails of the action, such as on the Accuracy International AW and SAKO TRG, rather than using a Picatinny rail between the action and the mount. Using a Picatinny base between the action and the mount can place the optics at an unnecessarily high position.

Interfaces

Our mounts feature several Spuhr interface surfaces on the mount body and rings. The interfaces on the rings are aligned with the scope - regardless of tilt - so that any accessories mounted to them will also be aligned with the optics. The interfaces on the mount body are aligned with the mounting surface and does not have any tilt.

We strongly recommend that lasers, illuminators, and secondary optics are attached to the ISMS for the strongest mounting position available compared to a forend that will flex when used with rests, bipods, forward grips, or slings.

Always check the length of the accessory screws before attaching any accessories - if the screws are too long they will mar the scope tube. The back of the wedge tool has a screw length gauge. Marred scopes due to the use of excessive length screws are the responsibility of the users.

Repeatability

We have done our outmost to enhance the repeatability of our mounts compared to other designs on the market. For maximum repeatability on Picatinny and STANAG 4694 rails we use isolated engagement surfaces in key areas. Also, the side clamp has numbers indicating the order of tightening the clamping screws.

For best results ensure rail is clean. Apply a light coat of oil to the rail before attaching the mount. Finger tighten all screws lightly in the order indicated. Once all clamping screws are finger tight, tighten to full torque in the same order.

Torque

Torque drivers are dependent on the amount of oil/grease/wax is being used on the screws to achieve the required torque, as friction in the thread engagement - and in the screw head and between the mount and the rail - also affect torque values. In field conditions proper torque values can be difficult to measure.

Our recommendation is to use a torque driver during initial installation and to mark the screws (with paint or a small file) using the indexing mark engraved next to each clamping screw. Using the indexing marks, torque values can be confirmed (and the mount re-installed on that specific rail) without a torque key - just tighten the screws in the correct order until the index marks align.

The M5 Torx 20 clamping screws should be torqued to 45 in/lb (5 Nm) and the M4 Torx 20 ring screws should be torqued to 15-25 in/lb (1.9-2.9 Nm) depending on the recommendation of the scope manufacturer.

Captive screws

All mount models with a height above 30 mm/1.18" feature screw holes prepared for captive screws. The screws can be staked once the mount has been attached to a firearm, allowing the mount to be removed but preventing the screws from being removed from the mount.

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