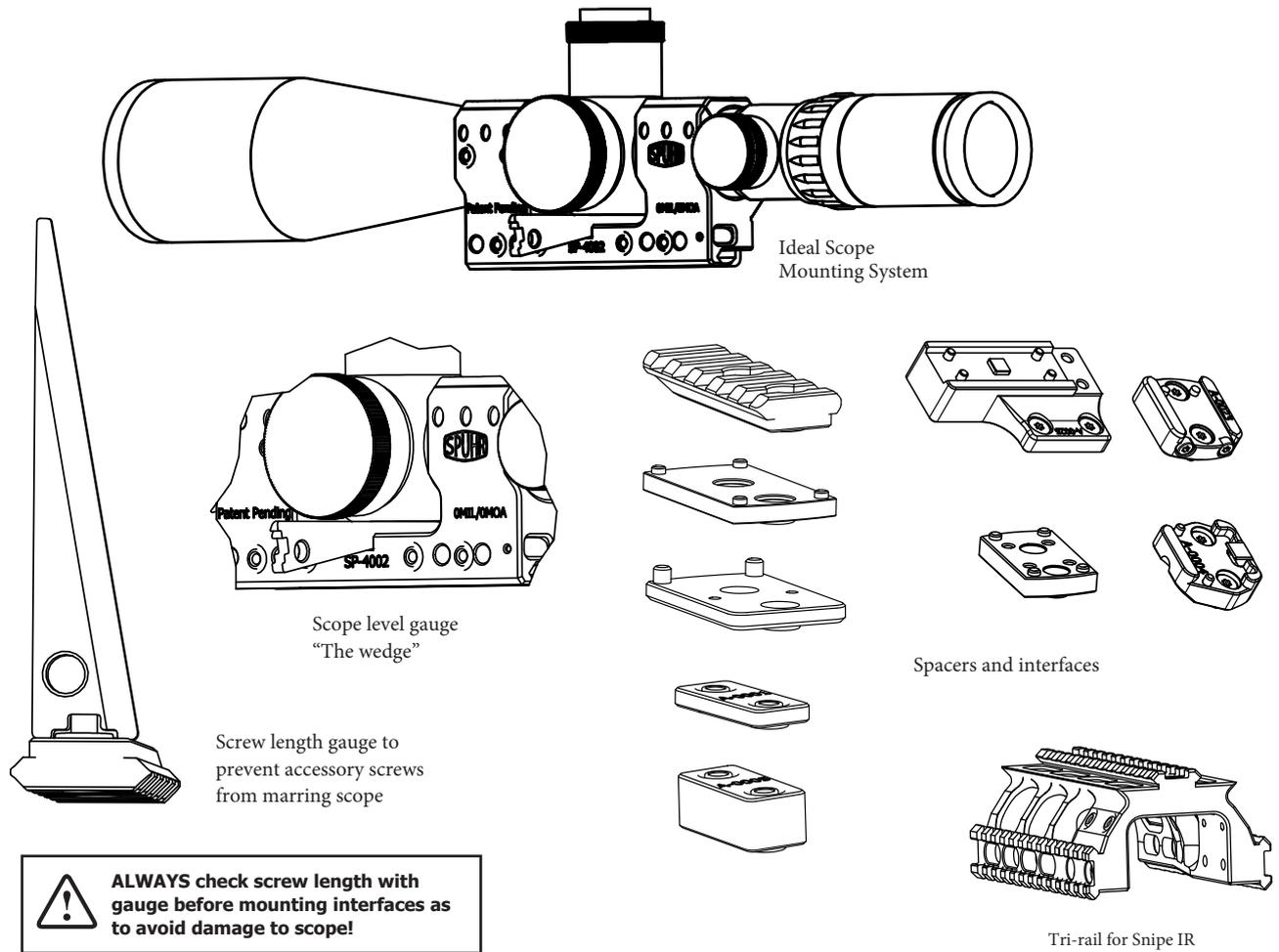


IDEAL SCOPE MOUNTING SYSTEM

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 7075 T651
- Finish Sealed Hardcoated finish
- 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

The contact surfaces of the rings have grooves that can be used for gluing the scope in place. Gluing may be a good solution for bench rest shooters or for firearms that are used extensively in 4WD vehicles and in other applications with severe vibrations. For normal use (including most military, law enforcement, and civilian use) we recommend using a small amount of powdered rosin between the scope and the

scope rings. **Powdered rosin is a very good gripping agent that prevents the scope from moving**, it is also very easy to remove using some rubbing alcohol.

All mount screws are waxed from the factory. **Customers working in extreme conditions may want to degrease the screws and screw holes and use Loctite 243 (Blue) instead.**

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IDEAL SCOPE MOUNTING SYSTEM

continued from previous page

We recommend the use of torx drivers for ease of mounting. The torx head is rather shallow and a torx driver is easier to use than a torx key.

On most models the clamping screws can be staked at the ends to prevent removal.

Leveling the scope

The scope must be mounted without any cant or elevation adjustments will result in unintentional windage adjustments. The included 10-degree wedge properly aligns the rotation of the scope. Place the scope into the rings. Slide the wedge in its track 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.

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 screwlength gauge. Marred scopes due to the use of excessive length screws are the responsibility of the users.

The level

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.

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 a 1-4 numbering indicating the order of tightening the clamping screws. 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 them to full torque in the same order.

Torque

Torque keys are limited in that they are dependent on the amount of oil/grease/wax being used on the screws to achieve the required torque as friction in the thread engagement and in the screw head also affects torque values. At the shooting range or in a workshop environment this is not a problem. But in the field, or worse, after a month in the sandbox, it is a whole different situation. Our recommendation is to use a torque key during initial installation of your ISMS mount. There is an indexing mark to the side of each clamping screw which allows you to mark the screw (with a small file or paint) after torque has been applied. Using these indexing marks negates the need for a torque key to reinstall the mount on that specific rail – just tighten the screws in the correct order until the index marks align.

The ring screws should be torqued to 15-25 in/lb (1.9-2.9 Nm) depending on the recommendation of the scope manufacturer.

Clamping screws should be torqued to 45 in/lb (5 Nm.)

Captive screws

All of our mounts (without exposed clamping underneath the body) feature screw holes prepared for captive screws. Unless special ordered all mounts have removable screws. Thus 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. The screws can either be staked by us prior to delivery or you can use a staking tool to do it yourself.

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