



## WARNING:

Before installing our optic, please ensure firearm is unloaded and safe. Perform a visual check on the chamber and make sure it is CLEAR

# INSTALLATION AND USER MANUAL FOR SHIELD MINI SIGHT MODELS

**SMS/SMS2/SMSc/RMS2/  
RMSc/RMSx/ OMSx /RMSd/  
RMSw/RMSsc/OMSsc**



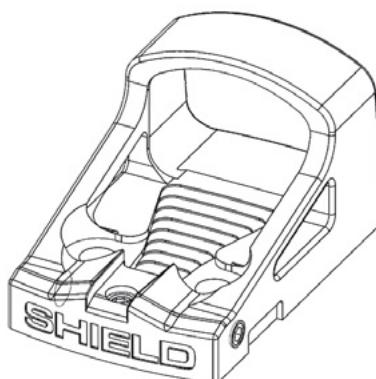
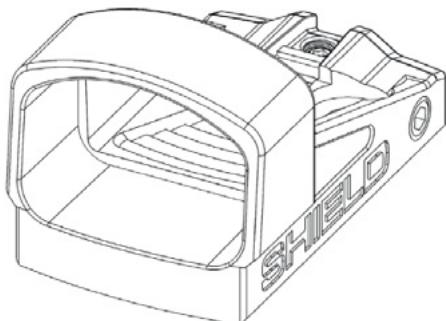


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# INSTALLATION AND USER MANUAL



## PACKAGE

- SHIELD Optic
- Optic Cover
- Mini Dial for zeroing
- CR2032/CR1632 Battery
- 1.5mm Hex Wrench
- 2.5mm Hex Wrench
- 2 x Button Head M4x8mm Screws
- 2 x Button Head M4x10mm Screws
- 4 x Clear Nylon Washers (Spacer)
- 1° shim plate
- 2 x large stickers for zeroing
- 2 x small stickers for battery
- Warranty registration card

## PRODUCT

- Hard Dip Coated Acrylic lens with no magnification (SMS lines only)
- Colour free glass lens available as an option (Excluding SMS only)
- Glass filled reinforced polymer body (SMS lines only)
- Aerospace grade billet cut aluminium body (RMS and OMS lines only)
- Choice of reticle available 2MOA, 4MOA, 8MOA, 65/2 Dot and Ring
- 2-3 Year battery life
- Rapid automatic brightness adjustment to account for changing ambient light
- Night Vision compatible automatic adjustment and manual modes
- No red reflective filter on lens to ensure minimal visual signature and crystal clear view through optic
- Original SHIELD mounting footprint
- IP67 and IP68 watertight options available
- Armour hood available for RMS/RMS2/RMSc & RMSd
- Co witness capability when used in conjunction with our low profile mounts or direct mounted where the slide is cut for our footprint and firearm allows.



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## GENERAL CARE :

All SHIELD optics have an anti-reflective coating and as such need no special products when conducting general maintenance. We recommend the use of a mild dishwashing detergent and warm water after thoroughly removing any debris from the lens itself. A full cleaning video can be found on our YouTube channel. Please use supplied cover when not in use.



Check out our YouTube channel for maintenance, installation and care videos by clicking <[HERE](#)>

## BATTERY INSTALLATION :

Install battery into optic with the positive ( + = SHIELD logo ) facing up. When inserting, the battery must be tilted to make contact with the terminals as shown in fig.1, then pressed into place gently. Failure to install the battery properly may bend the contacts and prevent operation. The battery life as stated is based on normal operating conditions. Extreme high and low temperatures will have an effect on battery life. When replacing the battery please remember to use one of our small, supplied battery stickers. This acts as a spacer and ensures a solid connection with the terminals. You will also need to use a tool such as the included 1.5mm hex wrench to lever the battery out of the pocket via the recess as shown in fig.2



Fig.1

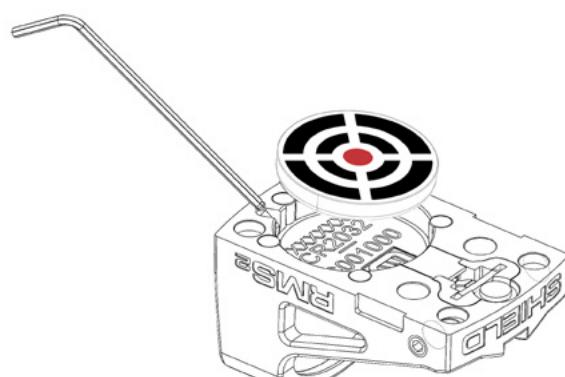


Fig.2



To comply with Reese's Law our optics are supplied with a battery cover for shipping. Before use remove the cover using supplied 1.5mm hex wrench to disengage the tabs located in the screw mounting holes. You will then need to peel off the battery sticker on the negative ( - terminal ) which has a blue sticker on it. Please do not remove the SHIELD Logo sticker on the positive ( + terminal ) as this is required to make a good connection to the terminals in the optic.



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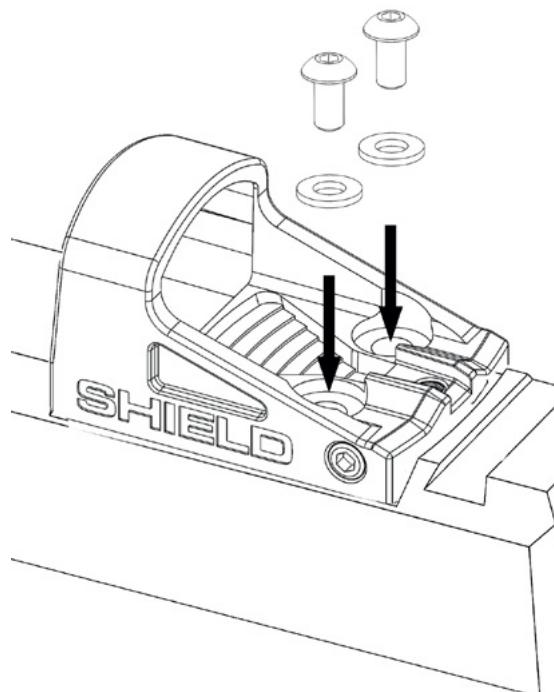
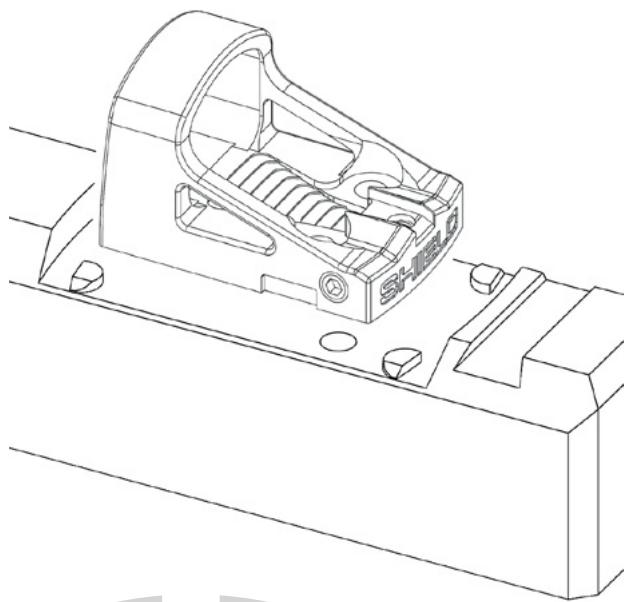
# INSTALLATION ONTO A FIREARM:

For all installations we recommend the use of a blue thread locker such as Loctite 248. This comes in a solid lipstick style applicator and has several advantages. Being a solid it prevents the liquid from seeping into vital functioning parts of the firearm and remains in the threads during installation. When applying thread locker it should cover the outer diameter of the thread.

We also recommend a torque setting of 2.0 Nm or 17.7 In-lb for an M4 Screw and 0.80 Nm or 17.08 In-lb if using an M3 screw. Initial cure time is 5-10 minutes, but we recommend a full cure time of 24hrs if possible. The benefit of this combination using thread locker and specific model of firearm settings means the optic can be removed easily for general maintenance.

For direct slide mount installations you will require the included M4 Screws and depending on brand/model you may need to use the 8mm or 10mm length. We also offer Imperial screw options depending on specific model of firearm which can be purchased from our web shop.

Some installations may require a shorter length which can be achieved by using the included clear nylon washers as a spacer. Each will provide a 0.5mm reduction in overall length of the screw.





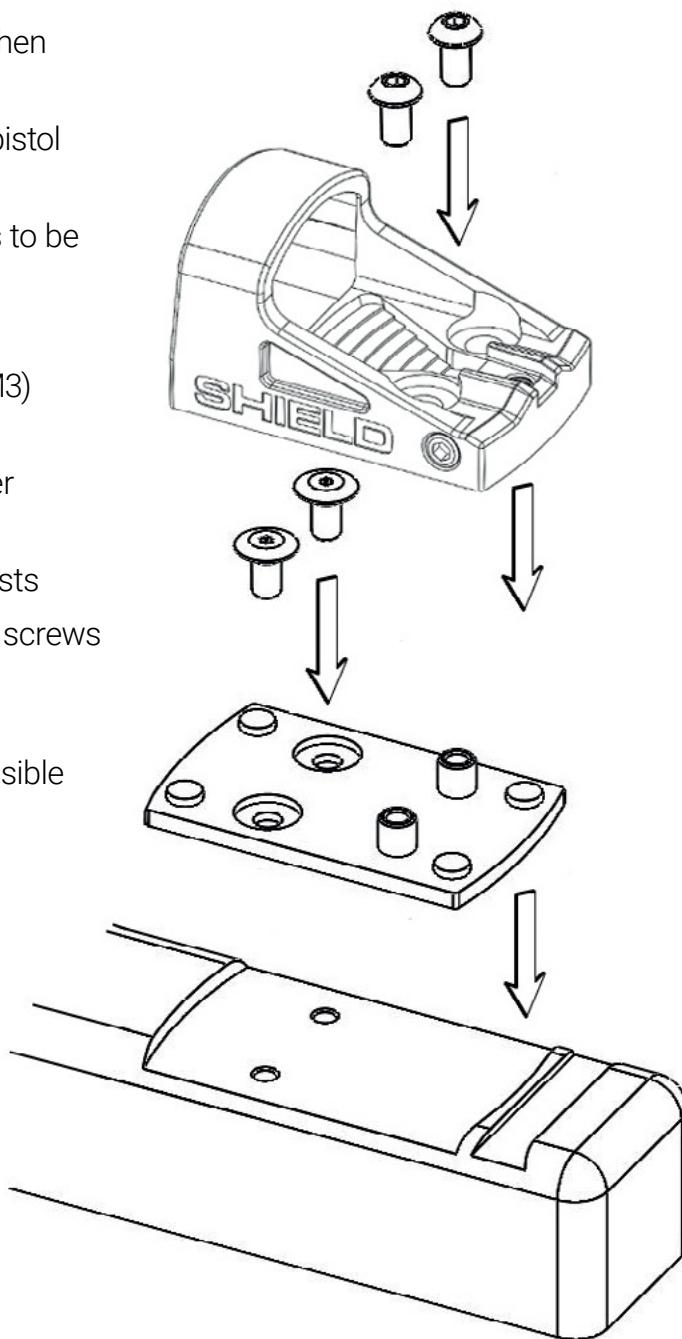
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# BEST PRACTICE INSTALLATION USING AN INTERFACE PLATE :

For installations that require an interface plate (Such as the GLOCK MOS system) we provide separate installation kits specific to each manufacturer which are available on our website.

- Ensure the plate can be correctly seated when placed on the slide
- Clean and degrease blind tapped holes in pistol slide and upstand posts on plate itself
- Degrease and clean all screws and threads to be used in installation
- Place plate onto slide
- Apply blue thread locker to plate screws (M3) and secure to 0.80 Nm or 7.08 In-lb
- When applying thread locker it should cover the full outer diameter of the thread
- Install optic onto plate over the upstand posts
- Apply blue thread locker to optic mounting screws (M3) and secure to 0.80 Nm or 7.08 In-lb
- Initial cure time is 5-10 minutes but we recommend a full cure time of 24hrs if possible
- Screw sizes may vary according to installation kit. M4 will require 2.0 Nm or 17.7 In-lb





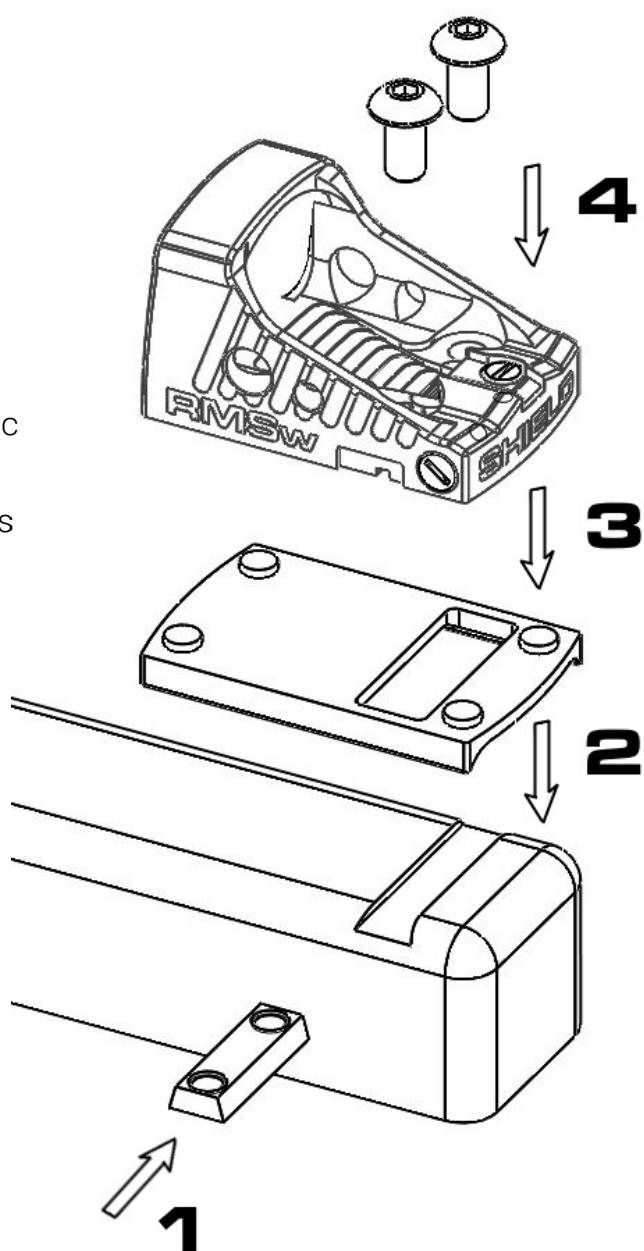
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# BEST PRACTICE INSTALLING A REAR SIGHT MOUNTED PLATE :

For installations that require a dovetail fitment plate (such as the GLOCK example below) we provide separate installation kits specific to each manufacturer which are available on our website.

- Remove rear sight block and ensure area is clean and free from any residue
- Insert brass retention plate which should move freely in the slot
- Degrease and clean all screws and threads to be used in installation
- Place plate onto slide over the brass insert
- Install optic onto plate
- The mounting screws will line up through the optic and into the brass insert
- Apply blue thread locker to optic mounting screws (M4) and secure to 2.0 Nm or 17.7 In-lb
- When applying thread locker it should cover the full outer diameter of the thread
- Initial cure time is 5-10 minutes but we recommend a full cure time of 24hrs if possible





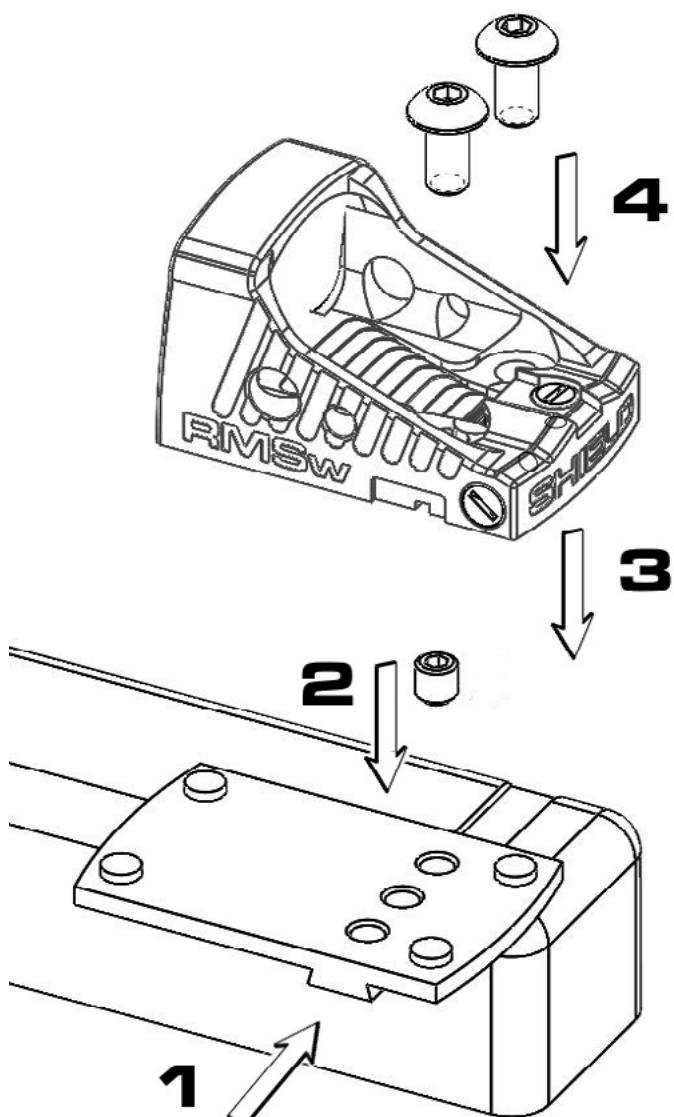
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# BEST PRACTICE INSTALLING A DOVETAIL MOUNTED PLATE :

For installations that require a dovetail fitment plate we provide separate installation kits specific to each manufacturer which are available on our website.

- Remove rear sight block and ensure area is clean and free from any residue
- Insert optic plate which should move freely in the slot
- Degrease and clean all screws and threads to be used in installation
- The included grub screw is inserted via the middle hole and tightened to secure plate
- Install optic onto plate
- The mounting screws will line up through the optic and into the optic plate
- Apply blue thread locker to optic mounting screws (M4) and secure to 2.0 Nm or 17.7 In-lb
- Some installations will require imperial screws and we recommend the same 2.0 Nm or 17.7 In-lb torque settings
- When applying thread locker it should cover the full outer diameter of the thread
- Initial cure time is 5-10 minutes but we recommend a full cure time of 24hrs if possible





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# **ZEROING YOUR OPTIC:**

When zeroing your firearm always move the dot to the point of impact

All SHIELD optics have no click adjustment allowing for precise movement when zeroing. The Windage and Elevation screws should never be moved all the way to the extremes. Over adjustment can result in damage to the sight and once resistance is felt you should stop. If you still require increased elevation, please install the included 1° shim to achieve this and do not attempt to over adjust the optic.

An adjustment mini dial is included and should be assembled using the 1.5mm Hex Wrench as shown in fig.3. All measurements on the dial are based on a 20 yard zero.

After establishing a precise reference shot group ( 5 rounds ) incremental adjustment can be made by rotating the mini dial the appropriate amount in either direction.

1 Division on the mini dial is  $\frac{1}{4}$  inch at 20 yards.

To move the dot down you will need to rotate the mini dial clockwise. To move the dot up you will need to rotate the mini dial anti clockwise in the direction of the arrow.

To move the dot left you will need to rotate the mini dial clockwise. To move the dot right you will need to rotate the mini dial anti clockwise in the direction of the arrow.

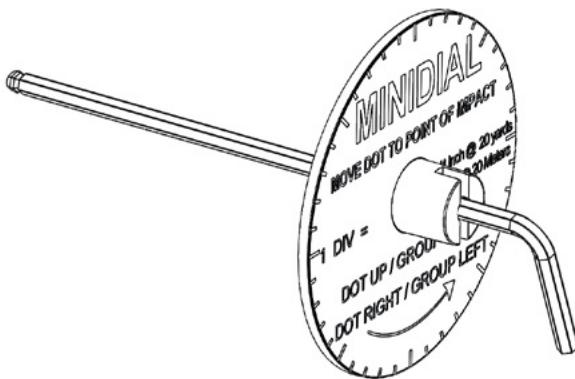


Fig.1

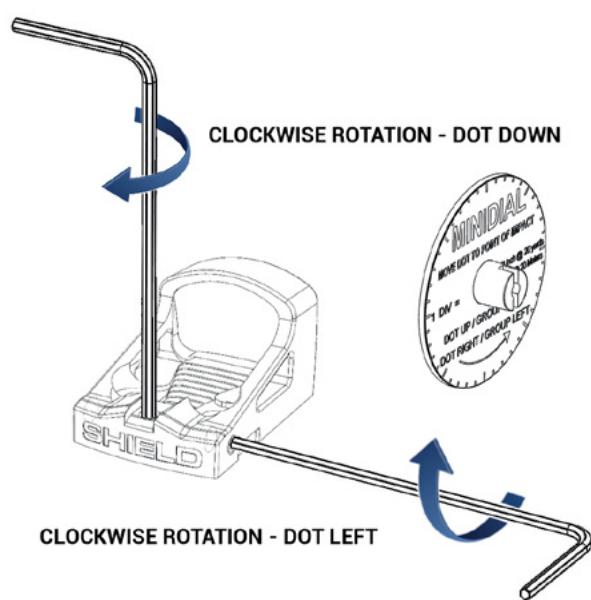


Fig.2



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# ZEROING YOUR RMS<sub>W</sub> OPTIC :

## **IMPORTANT NOTICE :**

When zeroing the RMSw the mechanism to move the dot is reversed.

To move the dot down you will need to rotate the mini dial anti clockwise. To move the dot up you will need to rotate the mini dial clockwise in the direction of the arrow.

To move the dot left you will need to rotate the mini dial anti clockwise. To move the dot right you will need to rotate the mini dial clockwise in the direction of the arrow.

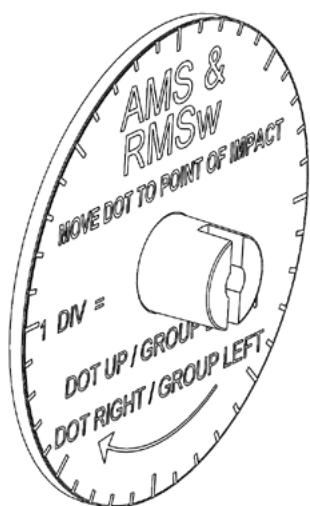


Fig.1

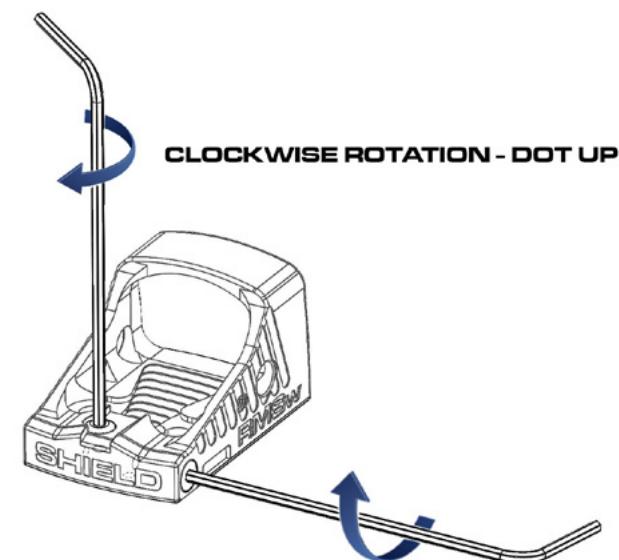


Fig.2



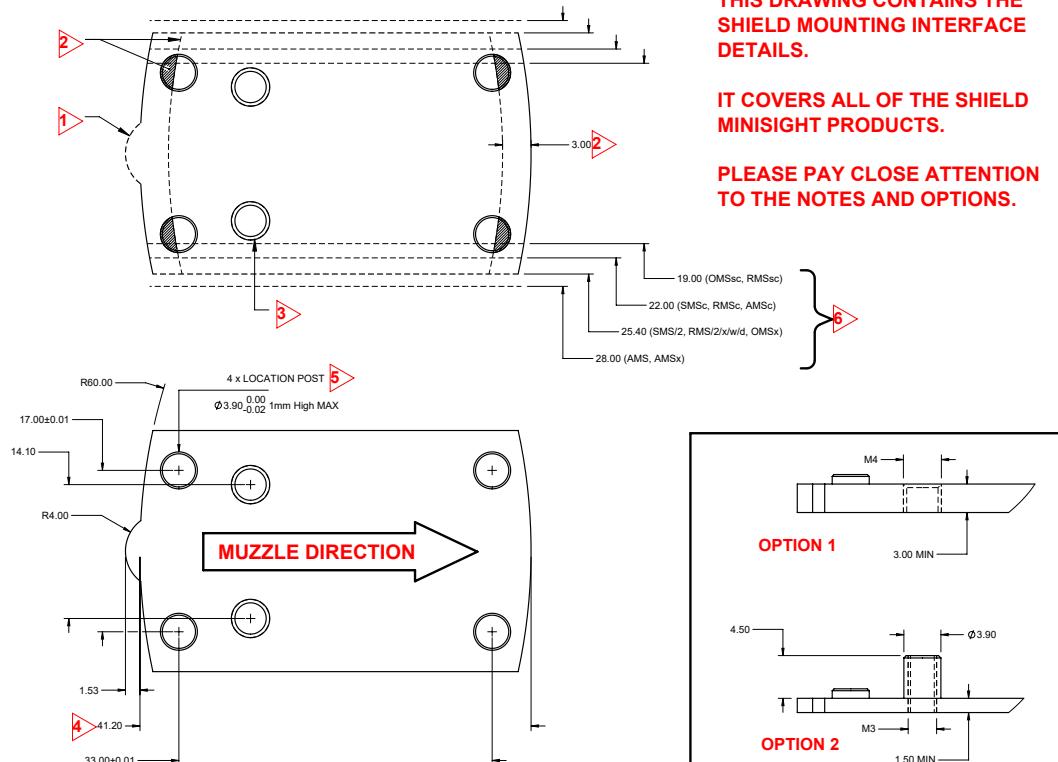
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## SHIELD RMSc FOOTPRINT:

### NOTES:

- 1> This notch is only required for the original SMS.
- 2> This 3mm offset cut line can be applied to improve machinability, leaving half moon upstands.
- 3> See Options 1&2
- 4> This size includes 0.2mm per side body clearance.
- 5> The tolerance for these lugs is very important. (It maintains repeatability following a battery change and eliminates movement during fire. It has been recognised that some suppliers have reduced these to either 2 posts or in some cases removed them all together. This is not an acceptable condition, these posts are critical for reliable & accurate use of the Minisights).
- 6> These dimensions show the individual model widths and how they relate to the interface. All of the SHIELD Minisight products will fit this interface.
- 7. If your mount does not conform to this drawing then it could potentially invalidate your sight warranty.



Drawn By M.Courteice	Date 23/07/2025	The details contained in this drawing are Shield Sights Ltd proprietary information. Reproduction in part or whole without the written permission of Shield Sights Ltd is prohibited. Company No. 02069725	Title: SHIELD MINISIGHT INTERFACE (RMSc)
		Scale: 2:1	Issue 01

Since 1996, the SHIELD RMSc footprint has remained unchanged and in line with our core values and commitment to our customers, it always will. This unwavering consistency ensures full backward and forward compatibility across our entire pistol range, safeguarding your investment in SHIELD optics and accessories. Its widespread adoption by leading firearms manufacturers and recognition as an industry standard further affirms the SHIELD RMSc footprint as one of the most reliable and secure mounting solutions available when implemented correctly.



**The four round recoil lugs are a critical component of our original footprint design, introduced in 1996. These lugs play an essential role in ensuring long-term durability, alignment, and overall system reliability. Despite this, we have observed that some gunsmiths and OEM manufacturers choose to remove or modify them. We strongly advise against altering this feature, as extensive reliability testing has shown that our footprint performs best when maintained in its original form.**



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**SMS/SMS2/SMSc/RMS2/RMSc/RMSx/  
OMSx/RMSd/RMSw/RMSsc/OMSsc**



[WWW.SHIELDSIGHTS.COM](http://WWW.SHIELDSIGHTS.COM)



Proudly designed, manufactured and  
assembled in Great Britain