





**Gehmann**

Dear shooter,

Congratulations! With your purchase of this rearsight iris with integrated 6 colour filter system you have acquired one of the top sights available in today's market. A significantly improved sight picture and hence better scores is designed to encourage you. Your many suggestions over the years have been more than helpful in our goal to achieve a sight that leaves nothing to be desired. We thank you for your confidence in Gehmann products and wish you many years of success and personal achievement with our sights.

#### Installation:

Screw the unit into your rearsight and secure the locking collar (2) with the spanner (1) provided. The engraved white triangular mark may be placed uppermost for reference when setting the iris.

#### Construction:

Of an even shorter overall length, the patented iris design is manufactured from tempered spring steel within a fixed seating and is adjustable over the larger range of 0.5mm - 3.0mm. Adjusting the iris diameter or the introduction of any coloured filter will not move the sight plane axis. This ensures absolute accuracy at all times. Light reflection is kept to a minimum by the use of matt surfaces within the iris and internal parts together with the latest technique of sand-blasting for all the external surfaces.

#### Operating:

Align one of the white spots on the colour filter ring with the triangle. In this position the iris may be used by itself. The smaller the iris setting, the greater the depth of the field. This sharpens both foresight element and target picture. If colour filtration (yellow, green, orange, brown, grey or light grey) is required, position the selected colour mark against the triangle and adjust the iris independently.

#### Effects of colour on your sight picture:

light grey

absorbs 50% of normal light without any change in colour

dark grey

absorbs 75% of normal light without any change in colour

brown

turns artificial light with a light bluish tinge

orange

into what appears as natural daylight

effect of clarity is as above however orange

also reduces interfering ambient light

green

comfortable for the eye - effect as for orange

yellow

effect is similar to that of orange but over a reduced wavelength (range of light)



#### Gehmann 566, 567 + 570 iris & 6 colour filter



(1) locking spanner  
(2) locking collar  
(4) cover plate  
(5) colour adjustment ring  
(8) rearsight-body

#### Cleaning:

Under no circumstances should oil or medical solvents be used on this product. This helps to remove easily dust with air pressure or a very soft brush. The iris may be air-brushed after removing the filter rings. Colour filters in turn may be cleaned with an optical microfibre cloth or by rinsing with a small quantity of pure alcohol.

#### Disassembly:

1. Place the rearsight on a flat, clean surface - viewing end downwards.
2. Unscrew optic (3) (on model 570) or thread adapter (3a) (on model 566 & 567) anti-clockwise using the locking spanner (1).
3. While holding on to colour adjustment ring (5) unscrew the cover plate (4) from the rearsight anti-clockwise with the locking spanner (1).
4. Rotate colour adjustment ring (5) until the two light marks align. Lift the index ring (6) off from the rearsight-body.
5. Remove index ring (6) and remove the colour filter wheel (7) using a pair of tweezers.

#### Reassembly:

1. Place the rearsight-body (8) once again on a flat, clean surface - viewing end downwards
2. Position the light mark at 6 o'clock with the cut-out of the filter chamber pointing to 12 o'clock.
3. Position colour filter wheel (7) in such a way that the space (gap of tooth) aligns with the cut-out of the filter chamber. The yellow filter should be positioned directly to the right of the gap.
4. Replace index ring (6) aligning the retaining stud with the larger cut-out.
5. Reposition colour adjustment ring (5). Be certain that white marks align. Turn colour adjustment ring (5) counter-clockwise as far as it will go.
6. Replace cover plate (4) by screwing clockwise and secure moderate with the locking spanner (1).
7. Screw on optic (3) (on model 570) or thread adapter (3a) (on model 566 & 567) clockwise with locking spanner (1) and tighten.

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