

# ARCHERSEYE

 MADE  
IN  
GERMANY

## FINAL VISION



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THE FIRST FULLY ADJUSTABLE PEEP SIGHT EVER

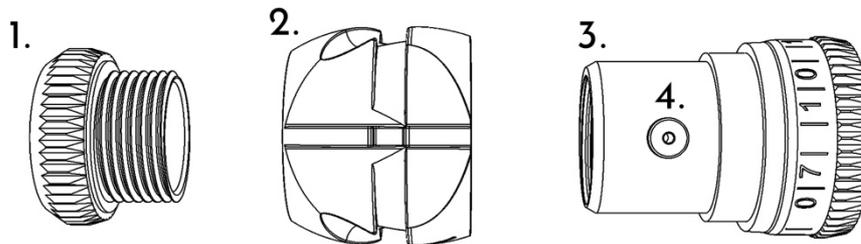
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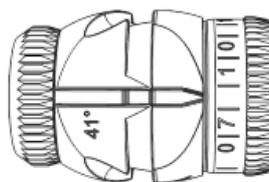


## Consists of

1. 1. Shade Cap (2,8gn) | 2. Housing (11,2gn) | 3. Iris Unit (12,2gn) | 4. Alignment Pin (Not shown: Clarifier (2gn) | Color Filter (Lens 2gn + Lens Housing 2,8gn)

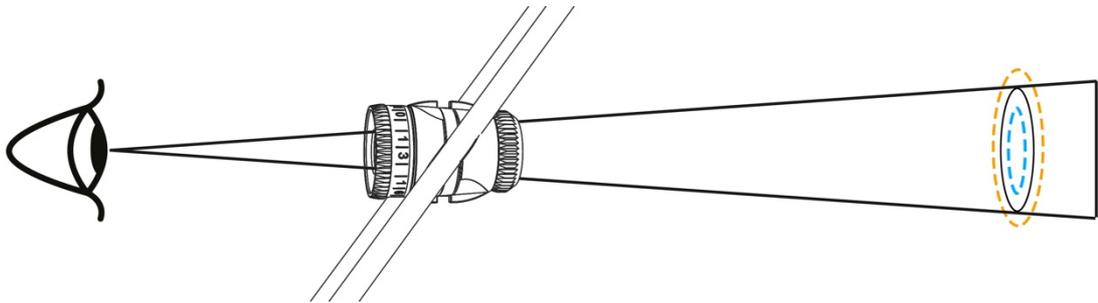
## Assembly

1. The iris unit is pushed into the large opening of the housing. The alignment pin of the iris unit is thereby pushed into an internal groove of the housing.
2. The shade cap is screwed hand-tight to the iris unit through the small opening in the housing.



## Functional basics under different lighting conditions

1. With medium surrounding light and optimal peep sight to scope setting, the aperture of the peep sight should exactly enclose the scope optically.
2. In brighter surroundings, the scope becomes visually larger when viewed through the Peep Sight and the Peep Sight no longer completely encloses the sight.
3. In darker environments, the scope visually becomes smaller when viewed through the Peep Sight and the Peep Sight has visual clearance to the scope.
4. To counter the effect of ambient light and always maintain a perfect aiming picture, Final Vision can be adjusted to changing conditions.

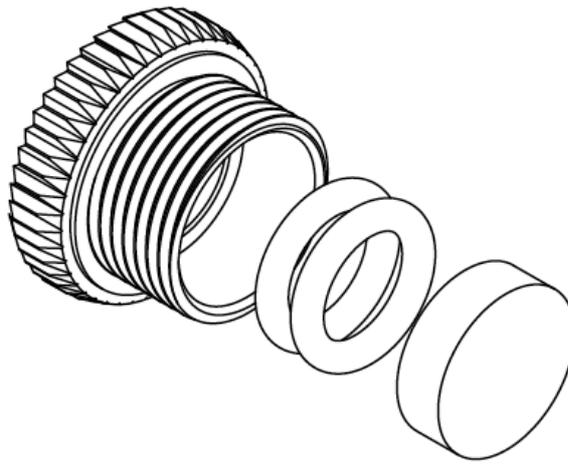


2. Scope in brighter environment = optically larger

3. Scope in darker environment = optically smaller

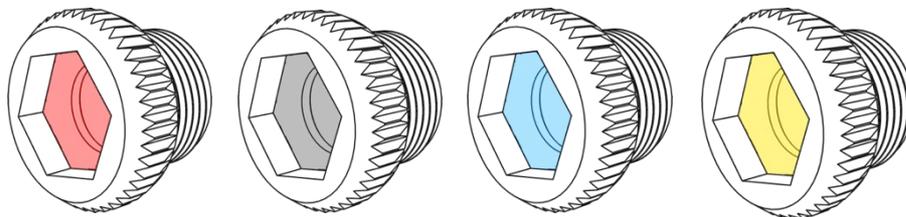
## Aperture settings

1. The adjustable knurl on the front opening of the iris unit can be used to control the aperture inside the peep sight. Turning clockwise decreases the aperture, turning counterclockwise increases it.
2. The tip of the fin on the top of the housing (next to the engraved degree number) serves as an indicator of the current setting.
3. **Aperture ranges:**
  1. The setting range for the Target variant is from 2.4mm (largest setting) to 0.7mm (smallest setting).
  2. The adjustment range for the Hunting variant is from 4mm (largest setting) to 2.3mm (smallest setting).



## Shade Cap

1. The shade cap can hold clarifiers of different thicknesses. The shade cap contains two rubber O-rings that serve as placeholders and protect the clarifier from impacts. The clarifier can be inserted into the holder in addition to the O-rings.
2. The clarifier is gently held by the holder and can be extracted by lightly tapping or pulling it with the fingernails.
3. When using a thicker clarifier lens or double lenses, O-rings can be removed as needed. Die Gegenblende wird bei der Montage handfest mit der Iriseinheit verschraubt.
4. Over the course of intensive use of the peep sight, it can happen that the iris unit and the shade cap bond together very strongly, therefore it may be necessary to use an Allen wrench when loosening them. A matching hexagon socket is embedded in the front of the shade cap.



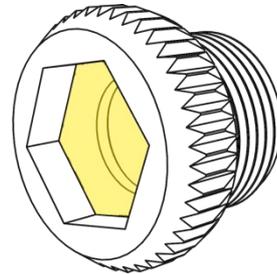
## Color Filter

1. The color filter is technically identical to the shade cap, but contains an additional colored filter glass. The handling and mounting is identical to that of the shade cap.
2. It is recommended to clean the filter glass with a clinical cotton swab if necessary. If cleaning is not sufficiently possible in the installed state, the filter glass can be pressed out from the inside with a thin rod with a soft contact surface.

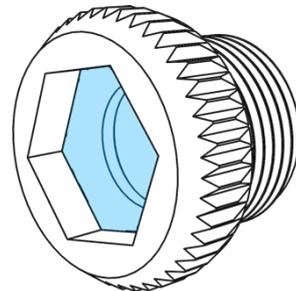
## Color Filter Characteristics

1. The color filters were developed to best deal with changing light conditions. They have been specially adapted to the most common conditions in archery.

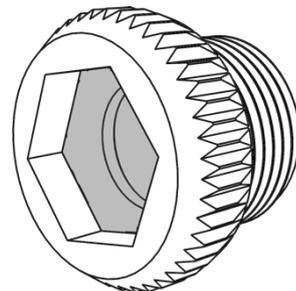
2. **Yellow:** A bright, wake-up lens in medium to low light conditions with high contrast technology. This lens increases color saturation and highlights the edges of objects.



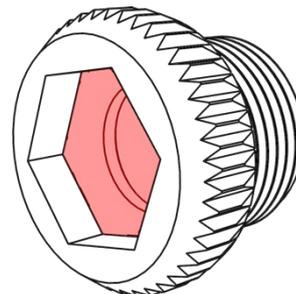
3. **Blue:** Designed to highlight the center of the target. Eliminates all distracting reds, calms and allows the eye to relax and focus without visual distraction. A good solution especially in medium to low light conditions.



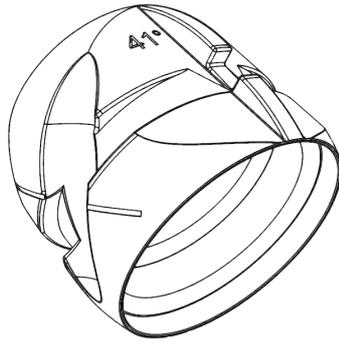
4. **Gray:** The balancing glass in full sun to medium light. Provides balanced yet rich color definition. Improves contrast and perception of spatial depth.



5. **Red:** Designed to improve clarity and contrast. Optimally highlights target edges and the boundary between peep and scope. Calms visibility in full sun and is ideal for open landscapes in bright weather.



## Housing



1. The housing has the respective degree number engraved on the upper side. The string grooves run on the left and right respectively, while an additional circumferential groove serves to bind the peep sight.
2. 90° offset to the string grooves, a laser marking is attached, which is used to be able to measure the position of the peep sight precisely (e.g., when changing the string).
3. The housing is available in nine different colors:



Titan



Tan



Black



Blue



Golden Orange



Green



Pink



Purple



Red

## Housing Angles

1. To obtain the most ideal aiming image possible, the installation angle of the peep sight should be selected so that the peep sight is positioned as horizontally as possible in the string. If the Peep Sight is positioned at an angle in the string, the aperture is visually perceived as an ellipse - which has a negative effect on the aiming process.
2. To be able to guarantee an ideal, horizontal installation, there are four different housing angles: 41° 45° 49° 53°

### STRING ANGLE CHART

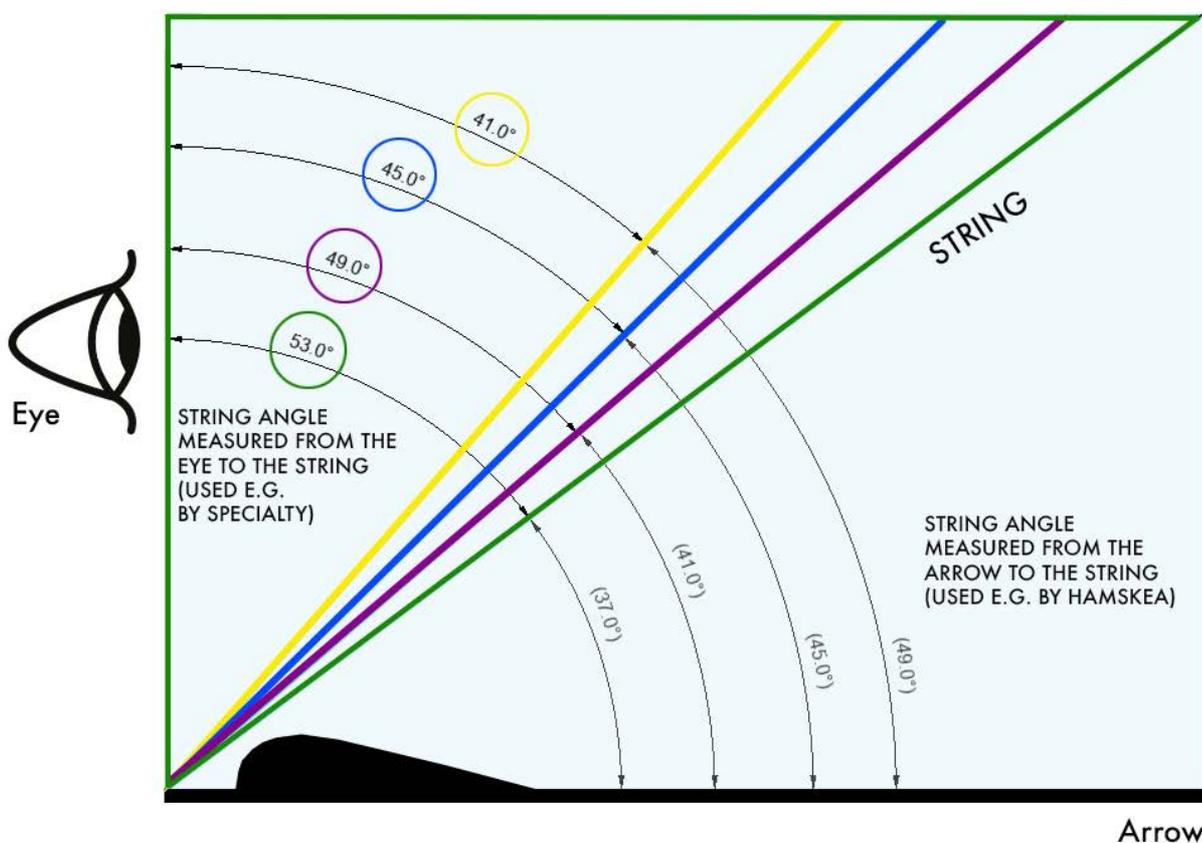
THE WAY WE MEASURE OUR STRING ANGLES °



ARCHERS EYE



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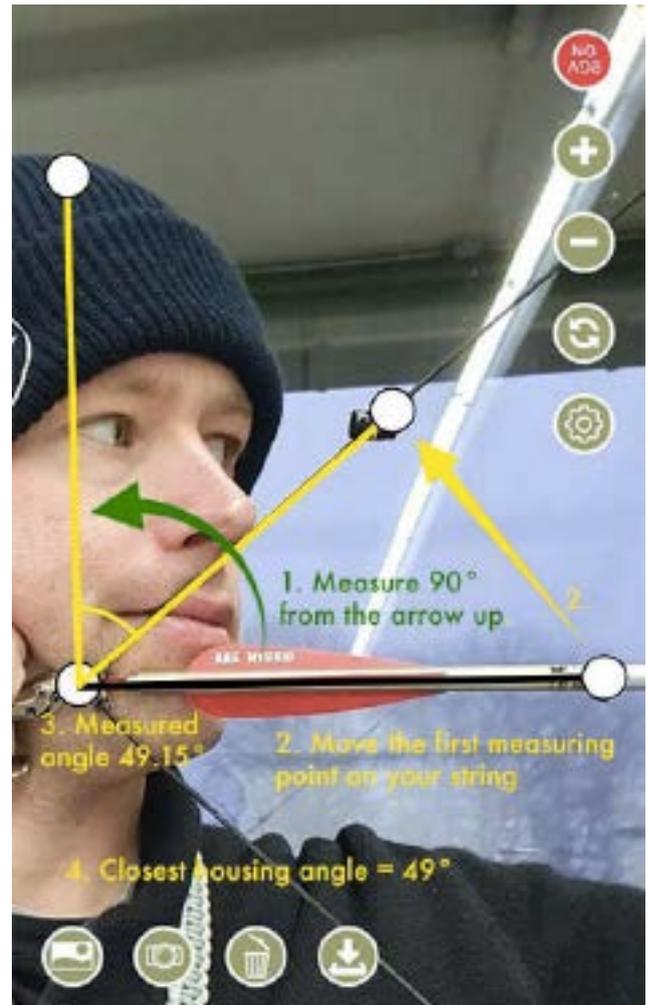
4. Since the string angle cannot be precisely determined from the ratio of the bow's axle-to-axle length to the archer's draw length (e.g., due to variations in the size of the cams, length of the loop), we recommend measuring the string angle.
5. To determine the string angle used as accurately as possible, we recommend the free app "Angle Meter 360".:



1. The archer should have a photo taken of the bow at full draw and measure it with the app. The photo must show the archer from the side to be able to measure a correct angle (90° offset to the arrow axis).
2. The first step (1) is to measure a 90° angle from the arrow upwards. This represents the theoretical position of the eye.
3. Then the measuring point, which was previously at the position of the arrow, is moved to the string (2).
4. The correct angle is now displayed at the pivot point (3).
5. Now one selects the suitable housing angle, which comes closest to the measured dimension (4).



Angle Meter 360 for Apple or Android

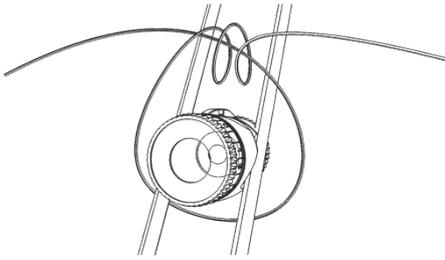


## Installation

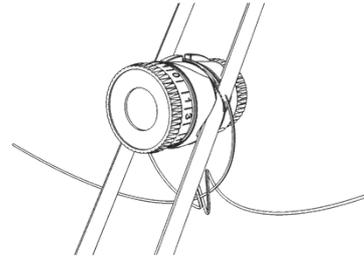
1. The Peep Sight is installed in the relaxed state of the bow in the loose string. A bow press is necessary for this step
2. **CAUTION DANGER TO LIFE** It is important to properly bind the housing. If not bound, it can detach from the string, which can lead to serious injuries.
3. Since the stress on the string fibers is particularly high at the location of the peep sight, the string in this area should be specially protected to prevent damage.
4. Once the installation height of the Peep Sight has been determined, it can be bound according to the following instructions:

1. We recommend using approx. 40 inch / 100cm BCY Halo 14. This is centered (50/50 left and right) on the peep sight.

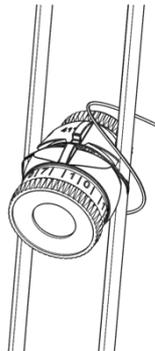
2. A loop is made around the peep sight, passing twice under the thread before tightening the loop firmly in the circumferential groove of the peep sight.



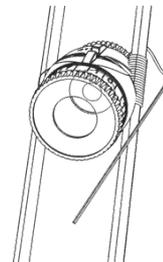
3. The same is repeated on the bottom side of the peep sight



4. Start on one side, wrap the thread around the outside of the chord and pull it tightly back above the peep sight - into the notch between the peep sight and the chord. From here, wind the thread upwards in tight turns about 8mm



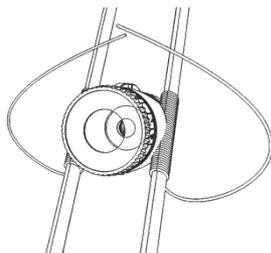
5. Then bring the thread back down on the outside, cross it over to the inside and pull it tightly back into the notch between the peep sight and the chord. Then wind the thread downwards in tight turns approx. 8mm.



6. Repeat the same process on the other side.

7. Take both ends and repeat step 1. and 2.

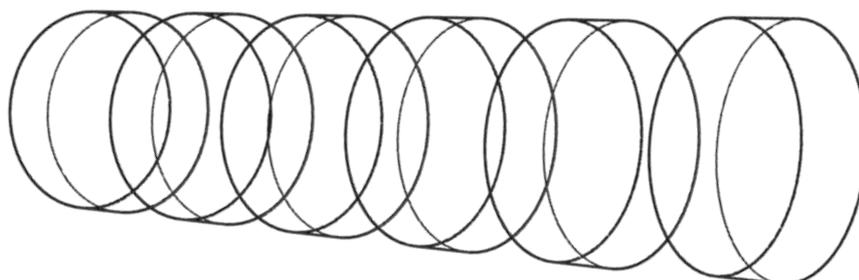
8. Then, in the last step, lead the ends back up to the center of the peep and end with a double knot. The excess ends can be cut off and flamed down.



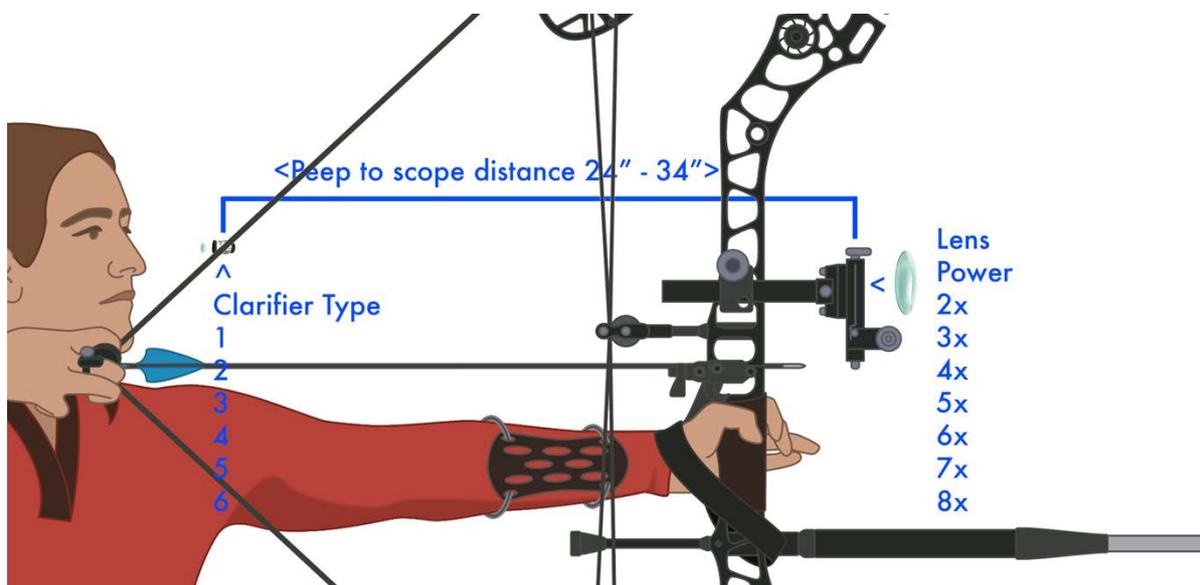
You can find the instructions as a video via this QR code or under [www.youtube.be/5QSMkXeD9m4](http://www.youtube.be/5QSMkXeD9m4)



# Clarifier



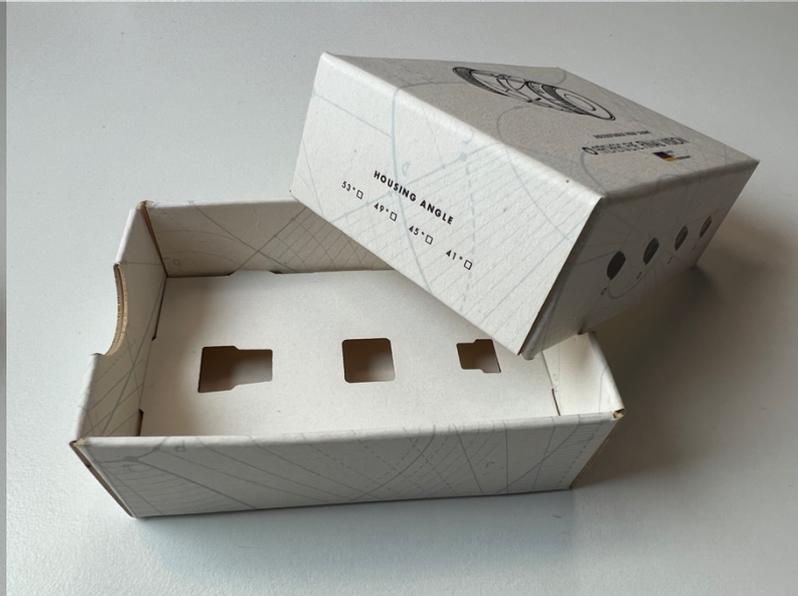
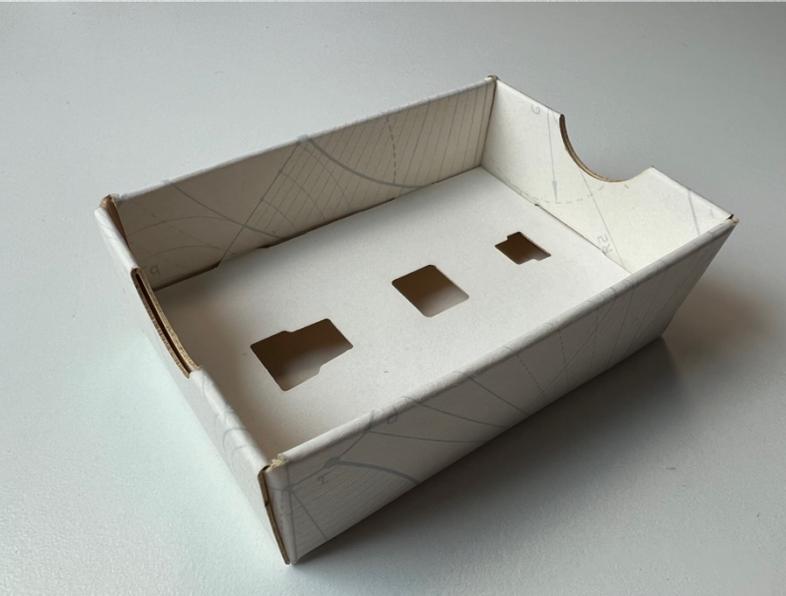
1. When using a Scope with a power lens, use a matching focus lens (clarifier) in the peepsight to rectify the image you see. At very low magnifications, a clarifier can be omitted - as the distance to the sight increases and the lens power increases, a clarifier is needed.
2. This list can be used to select the appropriate clarifier for the respective lens power. Caution: Every visual acuity is different - therefore these specifications are to be understood as guidelines from which the personal setting may deviate.



Peep To Scope Distance	Lens Power									
	2X	3X	4X	5X	6X	7X	8X			
24"		1	2	2	2	3	3	4	5	5
25"		1	2	2	2	3	4	5	5	
26"		1	2	2	2	3	4	5	5	
27"		1	2	2	2	3	4	5	5	6
28"		1	2	2	2	3	4	5	6	
29"		1	2	2	2	3	4	5	6	
30"		1	2	2	2	3	4	5	6	
31"		1	2	2	2	3	4	5	6	
32"	1	2	2	2	3	4	5	6	6	
33"	1	2	2	3	4	5	5	6	6	
34"	1	2	2	3	3	4	5	5	6	

## Packaging

Our products are shipped plastic free in our FSC certified carton packaging.



Das Zeichen für verantwortungsvolle Walddwirtschaft



**Light Master Color Filters**  
 101820.2 Light Master Color Filters  
 101820 Light Master Color Filters  
 101820.1 Light Master Color Filters  
 101820.3 Light Master Color Filters  
 101845 Light Master Color Filters Complete Set ( G,R,B,Y)

Color: Blue  
 Color: Grey  
 Color: Red  
 Color: Yellow

**Optimum Angle Alignment Spare Housing**

101819 Optimum Angle Alignment Spare Housing  
 101819.1 Optimum Angle Alignment Spare Housing  
 101819.2 Optimum Angle Alignment Spare Housing  
 101819.3 Optimum Angle Alignment Spare Housing  
 101819.4 Optimum Angle Alignment Spare Housing  
 101819.5 Optimum Angle Alignment Spare Housing  
 101819.6 Optimum Angle Alignment Spare Housing  
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 101819.33 Optimum Angle Alignment Spare Housing  
 101819.34 Optimum Angle Alignment Spare Housing  
 101819.35 Optimum Angle Alignment Spare Housing

Color: Black|Angle: 41°  
 Color: Black|Angle: 45°  
 Color: Black|Angle: 49°  
 Color: Black|Angle: 53°  
 Color: Pink|Angle: 41°  
 Color: Pink|Angle: 45°  
 Color: Pink|Angle: 49°  
 Color: Pink|Angle: 53°  
 Color: Green|Angle: 41°  
 Color: Green|Angle: 45°  
 Color: Green|Angle: 49°  
 Color: Green|Angle: 53°  
 Color: Red|Angle: 41°  
 Color: Red|Angle: 45°  
 Color: Red|Angle: 49°  
 Color: Red|Angle: 53°  
 Color: Blue Teal| Angle: 41°  
 Color: Blue Teal| Angle: 45°  
 Color: Blue Teal| Angle: 49°  
 Color: Blue Teal| Angle: 53°  
 Color: Silver| Angle: 41°  
 Color: Silver| Angle: 45°  
 Color: Silver| Angle: 49°  
 Color: Silver| Angle: 53°  
 Color: Slate Purple| Angle: 41°  
 Color: Slate Purple| Angle: 45°  
 Color: Slate Purple| Angle: 49°  
 Color: Slate Purple| Angle: 53°  
 Color: Golden Yellow| Angle: 41°  
 Color: Golden Yellow| Angle: 45°  
 Color: Golden Yellow| Angle: 49°  
 Color: Golden Yellow| Angle: 53°  
 Color: Desert Tan| Angle: 41°  
 Color: Desert Tan| Angle: 45°  
 Color: Desert Tan| Angle: 49°  
 Color: Desert Tan| Angle: 53°

**Precision Optic Clarifier**

101821 Precision Optic Clarifier  
 101821.1 Precision Optic Clarifier  
 101821.2 Precision Optic Clarifier  
 101821.3 Precision Optic Clarifier  
 101821.4 Precision Optic Clarifier  
 101821.5 Precision Optic Clarifier  
 101821.6 Precision Optic Clarifier  
 101821.7 Precision Optic Clarifier

Typ: 1  
 Typ: 2  
 Typ: 3  
 Typ: 4  
 Typ: 5  
 Typ: 6  
 Typ: Set 1-6  
 Typ: Set 2-4

