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TASCO DWC416X40

TASCO World Class 4-16x40mm Riflescope Instruction Manual

Model: DWC416X40



1. INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your TASCO World Class 4-16x40mm Riflescope. Please read this manual thoroughly before using your riflescope to ensure safe and effective use and to maximize its performance and longevity.

2. PRODUCT OVERVIEW

The TASCO World Class 4-16x40mm Riflescope is designed for precision aiming, offering variable magnification and clear optics. It features a durable construction suitable for various outdoor conditions.



Image: The TASCO World Class 4-16x40mm Riflescope, showcasing its black matte finish, objective lens, and adjustment turrets.

Key Features:

- **Magnification:** 4-16x for versatile viewing.
- **Objective Lens:** 40mm diameter for optimal light gathering.
- **Reticle Type:** 30/30 reticle for precise targeting.
- **Optics:** SuperCon/Multi-Layered Fully Coated for enhanced clarity and brightness.
- **Tube Diameter:** 1-inch diameter matte finish tube for durability and reduced glare.
- **Focus Type:** Eyebell focus for sharp image acquisition.
- **Parallax Setting:** Adjustable at 100 yards.
- **Adjustments:** 1/4 M.O.A. for windage and elevation.

3. SETUP

3.1 Mounting the Riflescope

1. **Select Appropriate Mounts:** Use high-quality integral mounts compatible with your rifle and the 1-inch tube diameter of this riflescope.
2. **Secure the Base:** Attach the mounting base securely to your rifle according to the mount manufacturer's instructions.
3. **Position the Riflescope:** Place the riflescope into the rings. Ensure proper eye relief by positioning the scope so that you can see a full, clear image through the eyepiece when shouldering the rifle in a natural shooting position.
4. **Level the Reticle:** Rotate the riflescope until the reticle is perfectly level. This is crucial for accurate windage adjustments.
5. **Tighten Rings:** Securely tighten the scope rings, ensuring even pressure. Do not overtighten, as this can damage the scope tube.

3.2 Eyebell Focus Adjustment

The eyebell focus adjusts the clarity of the reticle. This should be set for your individual vision.

1. Point the riflescope at a plain, bright background (e.g., a clear sky).
2. Look through the eyepiece and quickly glance away.
3. Look back through the eyepiece and immediately note if the reticle is sharp. If not, quickly turn the eyebell focus ring (located at the rear of the scope) a few turns in either direction.
4. Repeat this process until the reticle appears instantly sharp when you look through the scope. Avoid staring, as your eye will naturally compensate for slight blurriness.

3.3 Initial Zeroing

After mounting, it is recommended to bore-sight your rifle before live firing to get the initial point of impact close to the point of aim.

1. **Bore-sighting:** Use a bore-sighting device or visually bore-sight your rifle at a safe range (e.g., 25 yards). Adjust the windage and elevation turrets until the reticle aligns with the bore-sighted point of impact.
2. **Live Fire Adjustment:** At a safe shooting range, fire a group of shots at a target. Adjust the windage and elevation turrets (1/4 M.O.A. per click) to move the point of impact towards your point of aim.
3. **Parallax Adjustment:** For distances other than 100 yards, adjust the parallax setting (if applicable) to eliminate apparent movement between the reticle and the target when you move your head slightly.

4. OPERATING THE RIFLESCOPE

4.1 Magnification Adjustment

The magnification ring is located near the eyepiece. Rotate this ring to change the magnification from 4x to 16x. Adjust to your desired power setting based on target distance and environmental conditions.

4.2 Windage and Elevation Adjustments

The windage (horizontal) and elevation (vertical) adjustment turrets are located on the top and side of the riflescope body. Each click of the turret moves the point of impact by 1/4 M.O.A. (Minute of Angle) at 100 yards. Turn the turrets in the direction indicated to adjust your point of impact.

4.3 Parallax Adjustment

Parallax is the apparent shift in the target image relative to the reticle when the eye is moved off-center from the eyepiece. This riflescope has a fixed parallax setting at 100 yards. For optimal clarity and accuracy at other distances, ensure your eye is centered with the eyepiece.

5. MAINTENANCE

5.1 Cleaning Lenses

To clean the lenses, first use a soft brush or compressed air to remove any loose dust or debris. Then, use a clean optical cleaning cloth and a small amount of lens cleaning fluid. Wipe gently in a circular motion from the center outwards. Avoid using harsh chemicals or abrasive materials.

5.2 General Care and Storage

- Keep the riflescope covered with lens caps when not in use to protect the lenses.
- Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid dropping or subjecting the riflescope to severe impacts, as this can affect its internal components and zero.
- Periodically check all mounting screws to ensure they remain tight.

6. TROUBLESHOOTING

• Unclear Image:

- Check eyebell focus adjustment (Section 3.2).
- Ensure lenses are clean (Section 5.1).
- Adjust magnification for optimal clarity.

• Difficulty Zeroing / Inconsistent Point of Impact:

- Verify that the riflescope is securely mounted and all screws are tightened (Section 3.1).
- Ensure the reticle is level (Section 3.1).
- Check for any damage to the riflescope or mounting system.
- Confirm consistent shooting technique and ammunition.

• Fogging:

- Internal fogging indicates a seal issue; contact customer support.
- External fogging can be wiped away with a clean cloth.

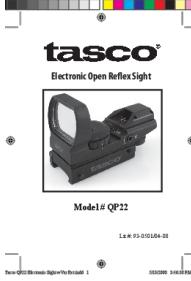
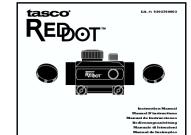
7. SPECIFICATIONS

Feature	Specification
Model Name	DWC416X40
Magnification	4-16x
Objective Lens Diameter	40mm
Field-of-View (at 100 yards)	22.5 - 5.9 ft.
Exit Pupil	10.5mm (at 4x) / 2.5mm (at 16x)
Eye Relief	3.7 inches
Lens Coating	SuperCon/Multi-Layered, Fully Coated
Focus Type	Eyebell
Parallax Setting	100 yards
Reticle Type	30/30
Windage/Elevation Adjustment	1/4 M.O.A. Adjustments
Tube Diameter	1 inch
Weight	1 Pound (16 oz)
Length	18 inches
Finish	Black Matte
Material	Aluminum
Compatible Devices	Rifle
Mounting Type	Integral Mount
UPC	046162091395

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official TASCO website or contact their customer service department. Retain your proof of purchase for any warranty claims. Specific warranty terms and conditions may vary and are subject to change by the manufacturer.

For further assistance, you may visit the [TASCO Store on Amazon](#).

 <p>SPORTSMAN RIFLESCOPE OWNER'S GUIDE</p>	<p><u>Tasco Sportsman Riflescope Owner's Guide - Models T3940, T3950, T41240, T62444</u> Comprehensive owner's guide for Tasco Sportsman Riflescopes (Models T3940, T3950, T41240, T62444). Covers scope elements, mounting, sighting-in, care, technical specifications, and warranty information.</p>
	<p><u>Tasco Riflescope and Target Scope Instruction Manual</u> Detailed instructions for setting up, using, and maintaining Tasco riflescopes and target scopes. Covers focusing, mounting, zeroing, parallax correction, electronic reticles, and reticle rangefinding.</p>
 <p>QP22 Electronic Open Reflex Sight Model # QP22 LAW # 22-0104-01 Tasco QP22 Electronic Open Reflex Sight SIGHTS & ACCESSORIES</p>	<p><u>Tasco QP22 Electronic Open Reflex Sight - User Manual and Specifications</u> Comprehensive guide for the Tasco QP22 Electronic Open Reflex Sight, including features, parts identification, mounting instructions, battery installation, zeroing procedures, and technical specifications.</p>
 <p>AIR GUN SCOPE RIFLESCOPE OWNER'S GUIDE</p>	<p><u>Tasco Air Gun Riflescope Owner's Guide - TAR432, TAR2732, TAR3940</u> Comprehensive owner's guide for Tasco Air Gun Riflescopes (Models TAR432, TAR2732, TAR3940), covering scope elements, mounting, adjustments, parallax, sighting-in procedures, maintenance, technical specifications, and warranty information.</p>
 <p>PROPOINT Illuminated Optical Sight OWNER'S MANUAL • MANUEL D'UTILISATION MANUEL DE PROPRIÉTÉS • MANUEL D'ENTRETIEN MANUAL DE USO • MANUA DE MANTENIMIENTO MANUAL DE USO • MANUA DE MANTENIMIENTO</p>	<p><u>Tasco ProPoint Illuminated Optical Sight Owner's Manual</u> Comprehensive owner's manual for the Tasco ProPoint illuminated optical sight, covering installation, mounting, zeroing, and battery replacement. Includes model information and FCC compliance.</p>
	<p><u>Tasco Red Dot Illuminated Optical Sight Instruction Manual</u> Comprehensive instruction manual for the Tasco Red Dot illuminated optical sight, covering mounting, battery installation, zeroing, technical specifications, and included accessories. This guide provides essential information for safe and effective use of the Tasco Red Dot sight.</p>



[pdf] User Manual

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[pdf] Accessories Catalog

Tasco Optical Equipment Accessories Catalog optics binoculars monoculars scopes rangefinders microscopes telescopes night vision thermal sights tripods RECREATIONiD tasco product catalog images carid items |||

4 Riflescopes Of course, as an optics company, we believe seeing it is the most important part of ... x 50mm Oversized 50mm lens delivers maximum brightness. Features a 30/30 reticle and matte finish. **DWC416X40** 416x 40mm Variable-power scope for varmint hunters and target shooters. Features a 30/30 r...

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[Tasco 2004 Catalog: Binoculars, Telescopes, Riflescopes & More](#)

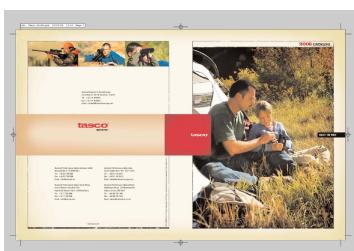
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[pdf] Catalog

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MPN	Product	Product Description	UPC
Binoculars			
E Series			
751.95	247.00 02014220	10x42mm Black Roof ED Glass, Objective Lens, R/G/H, Box	02117120050
798.95	337.00 43004220	Bushnell Black Roof ED Glass, Aspherical Lens, R/G/H, Box	02117120051
798.95	341.00 14004220	10x42mm Black Roof ED Glass, Aspherical Lens, R/G/H, Box	02117120052
Legend Ultra HD			
444.95	230.40 1110100	10x42mm Color Prnt, RainGuard HD ED Glass, UWD, Box	02117119195
444.95	230.40 1110100	10x42mm Color Prnt, RainGuard HD ED Glass, UWD, Box	02117119196
449.95	185.95 1800200	10x42mm Black Roof ED Glass, RainGuard HD, Box	02117119087
449.95	185.95 1800200	10x42mm Black Roof ED Glass, RainGuard HD, Box	02117119088
279.95	170.40 1110100	10x42mm Black Roof ED Glass, RainGuard HD, Box	02117119197
279.95	170.40 1110100	10x42mm Black Roof ED Glass, RainGuard HD, Box	02117119198
179.95	86.71 1800200	10x42mm Black Roof ED Glass, RainGuard HD, Box	02117119021
179.95	86.71 1800200	10x42mm Black Roof ED Glass, RainGuard HD, Box	02117119022
179.95	86.71 1800200	10x42mm Black Roof ED Glass, RainGuard HD, Box	02117119023
E Exalt EX			
348.95	191.40 2100100	7x35mm Black M.R. Prism ED, R/G/H, Box, Lanyard	02117120019
207.95	116.40 2400100	7x35mm Black M.R. Prism ED, R/G/H, Box, Lanyard	02117120031
207.95	116.40 2400100	7x35mm Black M.R. Prism ED, R/G/H, Box, Lanyard	02117120032
279.95	196.40 2400100	10x42mm EX Black Roof ED Glass, UWD, Box	02117120041
279.95	196.40 2400100	10x42mm EX Black Roof ED Glass, UWD, Box	02117120042
320.95	212.40 2400100	10x42mm EX Black Roof ED Glass, UWD, Box	02117120043
320.95	212.40 2400100	10x42mm EX Black Roof ED Glass, UWD, Box	02117120044
320.95	146.40 2400100	10x42mm EX Black Roof ED Glass, UWD, Box	02117120045
Trophy XLT			
229.95	135.95 2100100	10x42mm XLT Glass ED, R/G/H, Box, Lanyard	02117120053
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229.95	135.95 2100100	10x42mm XLT Glass ED, R/G/H, Box, Lanyard	02117120061
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229.95	135.95 2100100	10x42mm XLT Glass ED, R/G/H, Box, Lanyard	02117120064
Legacy			
218.95	131.00 0100100	10x32mm Black Roof ED Glass, R/G/H, Box	02117120026
148.95	67.85 1301100	10x32mm Black Roof ED Glass, R/G/H, Box	02117120027
148.95	67.85 1301100	10x32mm Black Roof ED Glass, R/G/H, Box	02117120028
NatureView			
210.95	118.40 2100100	10x42mm Black Roof Prism Weather-Resistant, R/G/H, Box	02117120046
210.95	118.40 2100100	10x42mm Black Roof Prism Weather-Resistant, R/G/H, Box	02117120047
181.95	94.35 1320000	10x42mm Black Prism Prism Wildlife Observation, Box	02117120084
181.95	94.35 1320000	10x42mm Black Prism Prism Wildlife Observation, Box	02117120085
79.95	36.41 1904010	10x42mm Black Prism Prism Weather-Resistant, Box	02117119041
79.95	36.41 1904010	10x42mm Black Prism Prism Weather-Resistant, Box	02117119042
Marine			
219.95	134.95 1300100	7x50mm Black Prism Prism Compact, R/G/H, Box	02117120072
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219.95	134.95 1300100	7x50mm Black Prism Prism Compact, R/G/H, Box	02117120074
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219.95	134.95 1300100	7x50mm Black Prism Prism Compact, R/G/H, Box	02117120076
219.95	134.95 1300100	7x50mm Black Prism Prism Compact, R/G/H, Box	02117120077
NIS Waterproof			
160.95	74.85 1301100	10x42mm Black Roof ED Glass, R/G/H, Box, L.	02117120021

2012 Bushnell, Tasco, Simmons, Millett BOP VIP Price List - Sporting Optics Catalog

Comprehensive 2012 BOP VIP Price List featuring binoculars, riflescopes, spotting scopes, trail cameras, night vision, and accessories from Bushnell, Tasco, Simmons, and Millett. Find product details and pricing for outdoor and sporting enthusiasts.

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