



DL (Dry Lock) Port System Charts for Canon RF-Mount Mirrorless Cameras

PORT OPTIONS

Some lenses have more than one port option. The first column is always the recommended option for the best compromise of imaging quality, performance, and handling with any given lens.

PRODUCT(S) REQUIRED

Where multiple lines of products are listed for a given option, all products listed are required to make a complete compatible lens port.

LENSES REFERENCING “+4 DIOPTER REQUIRED”

[Why Your Lens May Need a +4 Diopter Underwater](#)

A +4 diopter is available for purchase through your local camera store, and is commonly sold in a set with +1 and +2 close-up lenses. Common brands include Tiffen and Hoya. Make sure to purchase the correct size for your lens. The thread diameter is usually referenced on the front of the lens in millimeters (ø 58mm, 67mm, etc.). All photos will be out of focus if a +4 diopter is required but not used.

HELPFUL LINKS

[When to Use a Compact 8" Dome Port Underwater](#)

[How to Polish an Acrylic Dome Port](#)

[Canon MF Override for Fine-Tune Focus Adjustments](#)

[Canon Back Button Focus for Underwater Photography](#)

[Dealing with Droplets when Shooting Split Shots](#)

[Why You Need a Fisheye Lens Underwater](#)

[The Right Lens for Every Situation Underwater](#)

[5 Situations Where You Need a Strobe Underwater](#)

[Using a Trim Weight System for Balance and Stability Underwater](#)

Canon RF-mount Lenses

8-15 mm Canon EF f/4L Fisheye USM + Canon EF-EOS R Mount Adapter

[See Review](#)
[See Installation](#)

10-20 mm Canon RF f/4L IS STM

[See Review \(Article\)](#)
[See Review \(Video\)](#)
[See Installation](#)
[See Video](#)

OPTION 1 (Recommended)	OPTION 2	OPTION 3
Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. Dome shade must be removed to eliminate vignetting (dark shadows around the edges of the image). AF only. Product(s) required: 75340 Dome Port 75020 Extension 5509.30 Zoom Gear Optional accessories: 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. Lens shade must be removed. Dome shade must be removed to eliminate vignetting (dark shadows around the edges of the image). AF only. Product(s) required: 75344 Dome Port 75028 Extension 5509.30 Zoom Gear	Larger dome is best for split shots (half-in, half-out of the water). Dome shade must be removed to eliminate vignetting (dark shadows around the edges of the image). A longer port is recommended for better edge sharpness. AF only. Product(s) required: 75340 Dome Port 5509.30 Zoom Gear
Compact and lightweight for travel. Better for close focus wide angle. Alternatively the 75042 extension may be used with very slight vignetting (dark shadows) at the corners. AF only. Product(s) required: 75344 Dome Port 75037 Extension 5509.26 Zoom Gear 0923.19 Anti-Reflection Ring	Larger dome is best for split shots (half-in, half-out of the water). AF only. Product(s) required: 75340 Dome Port 75028 Extension 5509.26 Zoom Gear 0923.19 Anti-Reflection Ring Optional accessories: 47140 Trim Weight	Larger dome is best for split shots (half-in, half-out of the water). This combination may provide improved corner sharpness over the 75028 but it is necessary to remove the dome shade to eliminate vignetting. AF only. Product(s) required: 75340 Dome Port 75037 Extension 5509.26 Zoom Gear 0923.19 Anti-Reflection Ring Optional accessories: 47140 Trim Weight

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
11-20 mm Tokina EF-S f/2.8 ATR-X Pro DX + Canon EF-EOS R Mount Adapter	Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. AF only. <u>Product(s) required:</u> 75340 Dome Port 75020 Extension 75042 Extension 5509.31 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. AF only. <u>Product(s) required:</u> 75344 Dome Port 75020 Extension 75042 Extension 5509.31 Zoom Gear	Larger dome is best for split shots (half-in, half-out of the water). A longer port is recommended for better edge sharpness. AF only. <u>Product(s) required:</u> 75340 Dome Port 75042 Extension 5509.31 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight
11-24 mm Canon EF f/4L USM + Canon EF-EOS R Mount Adapter See Installation	AF only. <u>Product(s) required:</u> 75342 Dome Port 75037 Extension 5509.31 Zoom Gear		
14 mm Canon EF f/2.8L II USM + Canon EF-EOS R Mount Adapter	AF only. <u>Product(s) required:</u> 75340 Dome Port 75028 Extension <u>Optional accessories:</u> 47140 Trim Weight		
14 mm Samyang f/2.8 AF RF	AF only. <u>Product(s) required:</u> 75340 Dome Port <u>Optional accessories:</u> 47140 Trim Weight		
14-24 mm Sigma f/2.8 DG HSM A + Canon EF-EOS R Mount Adapter	Zoom not supported. Lens must be pre-set and used at a fixed focal length. AF only. <u>Product(s) required:</u> 75340 Dome Port 75020 Extension 75037 Extension 75050 Extension <u>Optional accessories:</u> 47140 Trim Weight		

**14-35 mm Canon RF f/4L IS
USM**

[See Review](#)

[See Installation](#)

**15 mm Sigma EF f/2.8 EX DG
Diagonal Fisheye + Canon EF-
EOS R Mount Adapter**

**15-30mm Canon RF f/4.5-6.3 IS
STM**

[See Review](#)

**15-35 mm Canon RF f/2.8L IS
USM**

OPTION 1 (Recommended)	OPTION 2	OPTION 3
Larger dome is best for split shots (half-in, half-out of the water). AF only. Product(s) required: 75340 Dome Port 75050 Extension 5509.26 Zoom Gear 0923.14 Anti-Reflection Ring Optional accessories: 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. AF only. Product(s) required: 75344 Dome Port 75050 Extension 5509.26 Zoom Gear 0923.14 Anti-Reflection Ring	
Dome shade must be removed to eliminate vignetting (dark shadows around the edges of the image). AF only. Product(s) required: 75340 Dome Port		
Very slight vignetting will be present (dark shadows around the edges of the image). AF only. Product(s) required: 75344 Compact Dome 75042 Extension 5509.31 Zoom Gear	Very slight vignetting will be present (dark shadows around the edges of the image). AF only. Product(s) required: 75340 Dome Port 75037 Extension 5509.31 Zoom Gear Optional accessories: 47140 Trim Weight	Very slight vignetting will be present (dark shadows around the edges of the image). AF only. Product(s) required: 75340 Dome Port 5509.31 Zoom Gear
AF only. Housings produced before November 2019 (serial # below 72644) require modification for use with this lens. Product(s) required: 75340 Dome Port 75028 Extension 75050 Extension 5509.42 Zoom Gear 0923.12 Anti-Reflection Ring Optional accessories: 47140 Trim Weight		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
16 mm Canon RF f/2.8 STM	Very slight vignetting (dark shadows in the corners of the image) will be present. AF only. <u>Product(s) required:</u> 75344 Dome Port	Very slight vignetting (dark shadows in the corners of the image) will be present. AF only. <u>Product(s) required:</u> 75340 Dome Port	
16-28 mm Canon RF f/2.8 IS STM See Installation	Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. AF only. <u>Product(s) required:</u> 75340 Dome Port 75050 Extension 5509.41 Zoom Gear 0923.22 Anti-Reflection Ring <u>Optional accessories:</u> 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. AF only. <u>Product(s) required:</u> 75344 Dome Port 75020 Extension 75050 Extension 5509.41 Zoom Gear 0923.22 Anti-Reflection Ring	May provide slightly better edge sharpness compared to Option 1. AF only. <u>Product(s) required:</u> 75340 Dome Port 75020 Extension 75050 Extension 5509.41 Zoom Gear 0923.22 Anti-Reflection Ring <u>Optional accessories:</u> 47140 Trim Weight
16-35 mm Canon EF f/2.8L II IS USM + Canon EF-EOS R Mount Adapter	Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. AF only. <u>Product(s) required:</u> 75340 Dome Port 75028 Extension 75050 Extension 5509.30 Zoom Gear 0923.04 Anti-Reflection Ring <u>Optional accessories:</u> 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. AF only. <u>Product(s) required:</u> 75344 Dome Port 75028 Extension 75050 Extension 5509.30 Zoom Gear 0923.04 Anti-Reflection Ring	Larger dome is best for split shots (half-in, half-out of the water). A longer port is recommended for better edge sharpness. AF only. <u>Product(s) required:</u> 75340 Dome Port 75042 Extension 5509.30 Zoom Gear 0923.04 Anti-Reflection Ring <u>Optional accessories:</u> 47140 Trim Weight

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
16-35 mm Canon EF f/2.8L III IS USM + Canon EF-EOS R Mount Adapter	Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. AF only. Product(s) required: 75340 Dome Port 75042 Extension 75050 Extension 5509.35 Zoom Gear 0923.05 Anti-Reflection Ring Optional accessories: 47140 Trim Weight		
16-35 mm Canon EF f/4L IS USM + Canon EF-EOS R Mount Adapter	Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. AF only. Product(s) required: 75340 Dome Port 2 x 75042 Extension 5509.31 Zoom Gear 0923.01 Anti-Reflection Ring Optional accessories: 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. AF only. Product(s) required: 75344 Dome Port 2 x 75042 Extension 5509.31 Zoom Gear 0923.01 Anti-Reflection Ring	
17-40 mm Canon EF f/4.0L USM + Canon EF-EOS R Mount Adapter	Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. AF only. Product(s) required: 75340 Dome Port 75028 Extension 75042 Extension 5509.30 Zoom Gear 0923.02 Anti-Reflection Ring Optional accessories: 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. AF only. Product(s) required: 75344 Dome Port 75020 Extension 75050 Extension 5509.30 Zoom Gear 0923.02 Anti-Reflection Ring	Larger dome is best for split shots (half-in, half-out of the water). A longer port is recommended for better edge sharpness. AF only. Product(s) required: 75340 Dome Port 75028 Extension 5509.30 Zoom Gear 0923.02 Anti-Reflection Ring Optional accessories: 47140 Trim Weight

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
18-35 mm Sigma f/1.8 DC HSM Art	AF Only. <u>Product(s) required:</u> 75340 Dome Port 75020 Extension 75042 Extension 5509.28 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight		
24mm Canon RF f/1.8 Macro IS STM	AF only. <u>Product(s) required:</u> 75344 Dome Port	AF only. <u>Product(s) required:</u> 75340 Dome Port	AF only. <u>Product(s) required:</u> 75303 Flat Port
24-50 mm Canon RF f/4.5-6.3 IS STM See Installation	Compact and lightweight for travel. Better for close focus wide angle. Use thinnest foam on zoom clamp. AF only. <u>Product(s) required:</u> 75344 Dome Port 75042 Extension 5509.52 Zoom Gear	Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. Use thinnest foam on zoom clamp. AF only. <u>Product(s) required:</u> 75340 Dome Port 75042 Extension 5509.52 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight	
24-70 mm Canon RF f/2.8L IS USM See Installation	New zoom gear recommendation as of March 29, 2024. AF only. <u>Product(s) required:</u> 75340 Dome Port 75028 Extension 75050 Extension 5509.53 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight	Compact 8" dome port not recommended due to vignetting.	

**24-70 mm Canon EF f/2.8L II
USM + Canon EF-EOS R Mount
Adapter**

**24-70 mm Canon EF f/4L IS
USM + Canon EF-EOS R Mount
Adapter**

**24-105 mm Canon RF f/4L IS
USM**
[See Installation](#)

OPTION 1 (Recommended)	OPTION 2	OPTION 3
AF only. Product(s) required: +4 Diopter Required 75340 Dome Port 75042 Extension 75050 Extension 5509.12 Zoom Gear Optional accessories: 47140 Trim Weight		
Larger dome is best for split shots (half-in, half-out of the water). Superior edge sharpness compared to shorter port option. AF only. Product(s) required: +4 Diopter Required 75340 Dome Port 75028 Extension 75042 Extension 5509.26 Zoom Gear Optional accessories: 47140 Trim Weight	Vignetting (dark shadows in the corners of the image) will be present in widest settings. Compact and lightweight for travel. Better for close focus wide angle. AF only. Product(s) required: +4 Diopter Required 75344 Dome Port 75028 Extension 75050 Extension 5509.26 Zoom Gear	Larger dome is best for split shots (half-in, half-out of the water). A longer port is recommended for better edge sharpness. AF only. Product(s) required: +4 Diopter Required 75340 Dome Port 75037 Extension 5509.26 Zoom Gear Optional accessories: 47140 Trim Weight
Superior edge sharpness compared to shorter port option. New zoom gear recommendation as of March 29, 2024. AF only. Product(s) required: +4 Diopter Required 75340 Dome Port 75020 Extension 75042 Extension 5509.54 Zoom Gear Optional accessories: 47140 Trim Weight	A longer port is recommended for better edge sharpness. New zoom gear recommendation as of March 29, 2024. AF only. Product(s) required: +4 Diopter Required 75340 Dome Port 75050 Extension 5509.54 Zoom Gear Optional accessories: 47140 Trim Weight	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
24-105 mm Canon RF f/4-7.1 IS STM	AF only. <u>Product(s) required:</u> 75340 Dome Port 75042 Extension 5509.28 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight	The compact 8" dome is not recommended for use with this lens due to vignetting at wide angle settings.	
28-70 mm Canon RF f/2L	Too large to operate inside of the port system. The 28-70mm focal range is not ideal for underwater use. In most situations this lens will not allow you to get close enough to your subject for good clarity and color. We recommend 18mm or wider for wide angle and portrait work.		
35 mm Canon RF f/1.8 IS STM Macro	Manual focus with optional focus gear. <u>Product(s) required:</u> 75303 Flat Port <u>Optional accessories:</u> 5509.31 Focus Gear	Manual focus with optional focus gear. <u>Product(s) required:</u> 75344 Dome Port 75020 Extension <u>Optional accessories:</u> 5509.31 Focus Gear	Slight vignetting (dark shadows in the corners of the image) will be present when focused beyond 3ft/1m. 67mm threaded port for attachment of external wet lenses. Manual focus with optional focus gear. <u>Product(s) required:</u> 75301 Flat Port <u>Optional accessories:</u> 5509.31 Focus Gear
40 mm Canon EF f/2.8 STM + Canon EF-EOS R Mount Adapter	Not recommended.		
70 mm Sigma f/2.8 DG Macro Art + Canon EF-EOS R Mount Adapter See Review	Flat port provides a magnification effect underwater. AF only. <u>Product(s) required:</u> 75303 Flat Port 75020 Extension 2 x 75042 Extensions	Wider field of view underwater. AF only. <u>Product(s) required:</u> 75344 Dome Port 75020 Extension 2 x 75042 Extensions	

**85 mm Canon RF f/2 IS ISTH
Macro**
[See Review](#)
[MF Override in Autofocus Mode](#)

**100 mm Canon RF f/2.8L Macro
IS USM**
[See Review](#)
[See Installation](#)
[See MF Gear Installation](#)
[MF Override in Autofocus Mode](#)

**100 mm Canon EF f/2.8L Macro
IS USM + Canon EF-EOS R
Mount Adapter**

OPTION 1 (Recommended)	OPTION 2	OPTION 3
Flat port is recommended for macro lenses. Manual focus with optional focus gear. Product(s) required: 75301 Flat Port 75037 Extension Optional accessories: 5509.38 Focus Gear	Manual focus with optional focus gear. Product(s) required: +4 Diopter Required 75344 Flat Port 75042 Extension Optional accessories: 5509.38 Focus Gear	
67mm threaded front for attachment of wet lenses. Manual focus with optional focus gear. Product(s) required: 75301 Flat Port 75020 Extension 75042 Extension Optional accessories: 5509.73 Focus Gear	AF only. Product(s) required: 75303 Flat Port 75020 Extension 75050 Extension	AF only. Product(s) required: 75344 Dome Port 75020 Extension 75050 Extension
67mm threaded front for attachment of wet lenses. Manual focus with optional focus gear. Product(s) required: 75301 Flat Port 75020 Extension 75042 Extension Optional accessories: 5509.71 Focus Gear	Manual focus with optional focus gear. Product(s) required: 75303 Flat Port 75020 Extension 75050 Extension Optional accessories: 5509.71 Focus Gear	Manual focus with optional focus gear. Product(s) required: 75344 Dome Port 75020 Extension 75050 Extension Optional accessories: 5509.71 Focus Gear