



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

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
7-14 mm Canon RF f/2.8-3.5 L Fisheye STM See Installation “BEST LENS”	Larger dome is best for split shots (half-in, half-out of the water). 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: 75340 Dome Port 75020 Extension 5509.62 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 Compact Dome Port 75028 Extension 5509.62 Zoom Gear	
8-15 mm Canon EF f/4L Fisheye USM + Canon EF-EOS R Mount Adapter “BEST LENS” See Review See Installation	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 Compact 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

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
10-20 mm Canon RF f/4L IS STM “BEST LENS” See Review (Article) See Review (Video) See Installation See Video	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 Compact 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
11-20 mm Tamron f/2.8 Di III-A RXD <i>Crop sensor lens not recommended for use with full frame systems.</i>	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 75037 Extension 5509.28 Zoom Gear Optional accessories: 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. AF only. Product(s) required: 75344 Compact Dome Port 75028 Extension 5509.28 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: 75340 Dome Port 5509.28 Zoom Gear Optional accessories: 47140 Trim Weight
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. Product(s) required: 75340 Dome Port 75020 Extension 75042 Extension 5509.31 Zoom Gear Optional accessories: 47140 Trim Weight	Compact and lightweight for travel. Better for close focus wide angle. AF only. Product(s) required: 75344 Compact 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. Product(s) required: 75340 Dome Port 75042 Extension 5509.31 Zoom Gear Optional accessories: 47140 Trim Weight

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
11-24 mm Canon EF f/4L USM + Canon EF-EOS R Mount Adapter See Installation	AF only. Product(s) required: 75342 Dome Port 75037 Extension 5509.31 Zoom Gear		
14 mm Canon RF f/1.4 L VCM	Aperture ring must be preset to "A" prior to 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. Product(s) required: 75340 Dome Port 75050 Extension Optional accessories: 47140 Trim Weight	Aperture ring must be preset to "A" prior to installation. Compact and lightweight for travel. Better for close focus wide angle. AF only. Product(s) required: 75344 Compact Dome Port 75037 Extension	Aperture ring must be preset to "A" prior to installation. Shortest port combination possible. 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
14 mm Canon EF f/2.8L II USM + Canon EF-EOS R Mount Adapter	AF only. Product(s) required: 75340 Dome Port 75028 Extension Optional accessories: 47140 Trim Weight		
14 mm Samyang f/2.8 AF RF	AF only. Product(s) required: 75340 Dome Port Optional accessories: 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. Product(s) required: 75340 Dome Port 75020 Extension 75037 Extension 75050 Extension Optional accessories: 47140 Trim Weight		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
14-35 mm Canon RF f/4L IS USM “BEST LENS” See Review See Installation	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 Compact Dome Port 75050 Extension 5509.26 Zoom Gear 0923.14 Anti-Reflection Ring	
14 mm Canon RF f/1.4 L VCM	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 Compact Dome Port 75050 Extension 5509.26 Zoom Gear 0923.14 Anti-Reflection Ring	
15 mm Sigma EF f/2.8 EX DG Diagonal Fisheye + Canon EF-EOS R Mount Adapter	Dome shade must be removed to eliminate vignetting (dark shadows around the edges of the image). AF only. Product(s) required: 75340 Dome Port		
15-30mm Canon RF f/4.5-6.3 IS STM “BEST LENS” See Review	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

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
15-35 mm Canon RF f/2.8L IS USM	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		
16 mm Canon RF f/2.8 STM	Very slight vignetting (dark shadows in the corners of the image) will be present. AF only. Product(s) required: 75344 Compact Dome Port	Very slight vignetting (dark shadows in the corners of the image) will be present. AF only. Product(s) required: 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. Product(s) required: 75340 Dome Port 75050 Extension 5509.41 Zoom Gear 0923.22 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 Compact 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. Product(s) required: 75340 Dome Port 75020 Extension 75050 Extension 5509.41 Zoom Gear 0923.22 Anti-Reflection Ring Optional accessories: 47140 Trim Weight

**16-35 mm Canon EF f/2.8L II IS
USM + Canon EF-EOS R Mount
Adapter**

	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. AF only. Product(s) required: 75340 Dome Port 75028 Extension 75050 Extension 5509.30 Zoom Gear 0923.04 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 Compact 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. Product(s) required: 75340 Dome Port 75042 Extension 5509.30 Zoom Gear 0923.04 Anti-Reflection Ring Optional accessories: 47140 Trim Weight
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 Compact Dome Port 2 x 75042 Extension 5509.31 Zoom Gear 0923.01 Anti-Reflection Ring	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
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 Compact 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
18-35 mm Sigma f/1.8 DC HSM Art	AF Only. Product(s) required 75340 Dome Port 75020 Extension 75042 Extension 5509.28 Zoom Gear Optional accessories: 47140 Trim Weight		
20 mm Canon RF f/1.4	AF only. Product(s) required: 75344 Compact Dome Port 75020 Extension	AF only. Product(s) required: 75340 Compact Dome Port 75020 Extension	
20-50 mm Canon RF f/4 L IS USM PZ	Larger dome is best for split shots (half-in, half-out of the water). AF only. Product(s) required: 75340 Dome Port 75050 Extension 5509.65 Zoom Gear 0923.78 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 Compact Dome Port 75050 Extension 5509.65 Zoom Gear 0923.78 Anti-Reflection Ring	
24 mm Canon RF f/1.8 Macro IS STM	AF only. Product(s) required: 75344 Compact Dome Port 75020 Extension	AF only. Product(s) required: 75348 Dome Port	AF only. Product(s) required: 75340 Dome Port

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
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 Compact 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	AF only. <u>Product(s) required:</u> +4 Diopter Required 75340 Dome Port 75042 Extension 75050 Extension 5509.12 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight		

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

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. AF only. <u>Product(s) required:</u> +4 Diopter Required 75340 Dome Port 75028 Extension 75042 Extension 5509.26 Zoom Gear <u>Optional accessories:</u> 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. <u>Product(s) required:</u> +4 Diopter Required 75344 Compact 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. <u>Product(s) required:</u> +4 Diopter Required 75340 Dome Port 75037 Extension 5509.26 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight

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

Superior edge sharpness compared to shorter port option. New zoom gear recommendation as of March 29, 2024. AF only. <u>Product(s) required:</u> +4 Diopter Required 75340 Dome Port 75020 Extension 75042 Extension 5509.54 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight	A longer port is recommended for better edge sharpness. New zoom gear recommendation as of March 29, 2024. AF only. <u>Product(s) required:</u> +4 Diopter Required 75340 Dome Port 75050 Extension 5509.54 Zoom Gear <u>Optional accessories:</u> 47140 Trim Weight	
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**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.	
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	OPTION 1 (Recommended)	OPTION 2	OPTION 3
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.		
28-70 mm Canon RF f/2.8 IS STM	AF only. *** Recommendation not tested hands-on. This suggestion is based on manufacturer published specifications and has not yet been confirmed. *** <u>Product(s) required:</u> 75340 Dome Port 75028 Extension 5509.28 Zoom Gear		
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 Compact 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.		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
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 Compact Dome Port 75020 Extension 2 x 75042 Extensions	
85 mm Canon RF f/2 IS IST Macro “BEST LENS” See Review MF Override in Autofocus Mode	Flat port is recommended for macro lenses. Manual focus with optional focus gear. <u>Product(s) required:</u> 75301 Flat Port 75037 Extension <u>Optional accessories:</u> 5509.38 Focus Gear	Manual focus with optional focus gear. <u>Product(s) required:</u> +4 Diopter Required 75344 Flat Port 75042 Extension <u>Optional accessories:</u> 5509.38 Focus Gear	
100 mm Canon RF f/2.8L Macro IS USM “BEST LENS” See Review See Installation See MF Gear Installation MF Override in Autofocus Mode	67mm threaded front for attachment of wet lenses. Manual focus with optional focus gear. <u>Product(s) required:</u> 75301 Flat Port 75020 Extension 75042 Extension <u>Optional accessories:</u> 5509.73 Focus Gear	AF only. <u>Product(s) required:</u> 75303 Flat Port 75020 Extension 75050 Extension	AF only. <u>Product(s) required:</u> 75344 Compact Dome Port 75020 Extension 75050 Extension
100 mm Canon EF f/2.8L Macro IS USM + Canon EF-EOS R Mount Adapter	67mm threaded front for attachment of wet lenses. Manual focus with optional focus gear. <u>Product(s) required:</u> 75301 Flat Port 75020 Extension 75042 Extension <u>Optional accessories:</u> 5509.71 Focus Gear	Manual focus with optional focus gear. <u>Product(s) required:</u> 75303 Flat Port 75020 Extension 75050 Extension <u>Optional accessories:</u> 5509.71 Focus Gear	Manual focus with optional focus gear. <u>Product(s) required:</u> 75344 Compact Dome Port 75020 Extension 75050 Extension <u>Optional accessories:</u> 5509.71 Focus Gear