



DL (Dry Lock) Port System Charts for Nikon Z-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 (\emptyset 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](#)

[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](#)

Nikon Z-mount Lenses

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<p>8-15 mm Nikon f/3.5-4.5E ED Fisheye + Nikon Mount Adapter FTZ</p> <p><u>"BEST LENS"</u></p> <p>See Installation See Review</p>	<p>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). Zoom gear may alternatively be used to manually focus.</p> <p>Product(s) required: 75340 Dome Port 75020 Extension 5509.28 Zoom (Focus) Gear</p> <p>Optional accessories: 47140 Trim Weight</p>	<p>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). Zoom gear may alternatively be used to manually focus.</p> <p>Product(s) required: 75344 Compact Dome Port 75028 Extension 5509.28 Zoom (Focus) Gear</p>	<p>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. Zoom gear may alternatively be used to manually focus.</p> <p>Product(s) required: 75340 Dome Port 5509.28 Zoom (Focus) Gear</p>
<p>10.5 mm Nikon AF DX f/2.8 G ED Fisheye + Nikon Mount Adapter FTZ</p>	<p>Some vignetting (dark shadows in the corners of the image) will be present.</p> <p>Product(s) required: 75340 Dome Port</p> <p>Optional accessories: 47140 Trim Weight</p>		
<p>12-28 mm Nikon Z DX f/3.5-5.6 PZ VR</p> <p>See Installation</p>	<p>Larger dome is best for split shots (half-in, half-out of the water). Zoom gear may alternatively be used to manually focus.</p> <p>Product(s) required: 75340 Dome Port 5509.28 Zoom (Focus) Gear 0923.35 Anti-Reflection Ring 47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. Zoom gear may alternatively be used to manually focus.</p> <p>Product(s) required: 75344 Compact Dome Port 5509.28 Zoom (Focus) Gear 0923.35 Anti-Reflection Ring</p>	<p>A flat port has a magnifying effect underwater. Slight vignetting (dark shadows around the edges of the image) will be present. Zoom gear may alternatively be used to manually focus.</p> <p>Product(s) required: 75303 Flat Port 5509.28 Zoom (Focus) Gear 0923.35 Anti-Reflection Ring</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
14-24 mm Nikon Z f/2.8 S	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><u>Product(s) required:</u> 75340 Dome Port 75050 Extension 5509.43 Zoom Gear</p> <p><u>Optional accessories:</u> 47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p><u>Product(s) required:</u> 75344 Compact Dome Port 75050 Extension 5509.43 Zoom Gear</p>	
14-24 mm Nikon f/2.8G ED + Nikon Mount Adapter FTZ	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><u>Product(s) required:</u> 75340 Dome Port 75037 Extension 75042 Extension 5509.28 Zoom Gear</p> <p><u>Optional accessories:</u> 47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p><u>Product(s) required:</u> 75344 Compact Dome Port 75037 Extension 75042 Extension 5509.28 Zoom Gear</p>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><u>Product(s) required:</u> 75340 Dome Port 75028 Extension 75050 Extension 5509.28 Zoom Gear</p> <p><u>Optional accessories:</u> 47140 Trim Weight</p>
14-24 mm Sigma f/2.8 DG HSM A	<p>Zoom not supported. Lens must be pre-set and used at a fixed focal length. AF only.</p> <p><u>Product(s) required:</u> 75340 Dome Port 75020 Extension 75050 Extension</p> <p><u>Optional accessories:</u> 47140 Trim Weight</p>		
14-30 mm Nikon Z f/4 S <u>"BEST LENS"</u> See Installation See Review See Video Review	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><u>Product(s) required:</u> 75340 Dome Port 75050 Extension 5509.31 Zoom Gear 0923.32 Anti-Reflection Ring</p> <p><u>Optional accessories:</u> 47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p><u>Product(s) required:</u> 75344 Compact Dome Port 75050 Extension 5509.31 Zoom Gear 0923.32 Anti-Reflection Ring</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
15mm Sigma f/2.8 EX DG Diagonal Fisheye + Nikon Mount Adapter FTZ	<p>MF only.</p> <p>Product(s) required: 75340 Dome Port 5509.28 Focus Gear</p> <p>Optional accessories: 47140 Trim Weight</p>		
16 mm Viltrox AF f/1.8 FE	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 75340 Dome Port 75020 Extension</p> <p>Optional accessories: 47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p>Product(s) required: 75344 Compact Dome Port 75028 Extension</p>	
16-35 mm Nikon f/4G ED VR + Nikon Mount Adapter FTZ	<p>Larger dome is best for split shots (half-in, half-out of the water). Trim weight set recommended. AF only.</p> <p>Product(s) required: 75340 Dome Port 75042 Extension 75050 Extension 5509.28 Zoom Gear</p> <p>Optional accessories: 47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. Trim weight set recommended. AF only.</p> <p>Product(s) required: 75344 Compact Dome Port 75042 Extension 75050 Extension 5509.28 Zoom Gear</p>	
16-50 mm Nikon Z f/3.5-6.3 DX VR	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p>Product(s) required: 75344 Compact Dome Port 5509.27 Zoom Gear</p>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 75340 Dome Port 5509.27 Zoom Gear</p> <p>Optional accessories: 47140 Trim Weight</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
17-35 mm Nikon f/2.8D ED-IF AF-S + Nikon Mount Adapter FTZ	<p>Larger dome is best for split shots (half-in, half-out of the water). Trim weight set recommended. AF only.</p> <p>Product(s) required:</p> <p>75340 Dome Port 75028 Extension 75050 Extension 5509.28 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. Trim weight set recommended. AF only.</p> <p>Product(s) required:</p> <p>75344 Compact Dome Port 75028 Extension 75050 Extension 5509.28 Zoom Gear</p>	
17-28 mm Nikon Z f/2.8	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required:</p> <p>75340 Dome Port 5509.28 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p>Product(s) required:</p> <p>75344 Compact Dome Port 75020 Extension 5509.28 Zoom Gear</p>	
18-35 mm Nikon f/3.5-4.5G ED + Nikon Mount Adapter FTZ	<p>Larger dome is best for split shots (half-in, half-out of the water). Trim weight set recommended. AF only.</p> <p>Product(s) required:</p> <p>75340 Dome Port 75020 Extension 75042 Extension 5509.27 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. Trim weight set recommended. AF only.</p> <p>Product(s) required:</p> <p>75344 Compact Dome Port 75020 Extension 75042 Extension 5509.27 Zoom Gear</p>	
18-105 mm Nikon AF-S DX f/3.5-5.6G ED VR + Nikon Mount Adapter FTZ	<p>Superior edge sharpness compared to shorter port option. AF only.</p> <p>Product(s) required:</p> <p>+4 Diopter Required 75340 Dome Port 75028 Extension 75050 Extension 5509.71 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight</p>	<p>A longer port is recommended for better edge sharpness. AF only.</p> <p>Product(s) required:</p> <p>+4 Diopter Required 75340 Dome Port 75042 Extension 5509.71 Zoom Gear</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
20 mm Nikon Z f/1.8 S	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 75340 Dome Port 75037 Extension</p> <p>Optional accessories: 47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p>Product(s) required: 75344 Compact Dome Port 75037 Extension</p>	
24 mm Nikon Z f/1.8 S	<p>Superior edge sharpness compared to shorter port option. AF only.</p> <p>Product(s) required: 75340 Dome Port 75020 Extension</p> <p>Optional accessories: 47140 Trim Weight</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p>Product(s) required: 75344 Compact Dome Port 75020 Extension</p>	<p>A longer port is recommended for better edge sharpness. AF only.</p> <p>Product(s) required: 75340 Dome Port</p> <p>Optional accessories: 47140 Trim Weight</p>
24-50 mm Nikon Z f/4-6.3 See Installation See Review	<p>Compact and lightweight for travel. AF only.</p> <p>Product(s) required: +4 Diopter Required 75344 Compact Dome Port 5509.28 Zoom Gear 0923.36 Anti-Reflection Ring</p>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: +4 Diopter Required 75340 Dome Port 5509.28 Zoom Gear 0923.36 Anti-Reflection Ring</p> <p>Optional accessories: 47140 Trim Weight</p>	
24-70 mm Nikon Z f/2.8 S (Mark I)	<p>AF only.</p> <p>Product(s) required: +4 Diopter Required 75340 Dome Port 75020 Extension 75050 Extension 5509.32 Zoom Gear 0923.33 Anti-Reflection Ring</p> <p>Optional accessories: 47140 Trim Weight</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
24-70 mm Nikon Z f/2.8 S II See Installation	<p>Expected to provide better edge sharpness compared to the Compact 8" Dome. AF only.</p> <p>Product(s) required:</p> <p>75340 Dome Port 75028 Extension 75050 Extension 5509.57 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight</p>	<p>Compact dome is easier to handle and easier to travel with. Good for big animals and situations where edge softness is not a critical concern. AF only.</p> <p>Product(s) required:</p> <p>75344 Compact Dome Port 75028 Extension 75050 Extension 5509.57 Zoom Gear</p>	
24-70 mm Nikon Z f/4 S "BEST LENS" See Review See Installation	<p>Compact and lightweight for travel. AF only.</p> <p>Product(s) required:</p> <p>75344 Compact Dome Port (2) 75028 Extensions 5509.28 Zoom Gear</p>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required:</p> <p>75340 Dome Port 75050 Extension 5509.28 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight</p>	
24-105 mm Nikon Z f/4-7.1	<p>AF only.</p> <p>Product(s) required:</p> <p>75340 Dome Port 75050 Extension 5509.58 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight System</p>	<p>This is the shortest port possible. A longer port (Option 1) is recommended for better edge sharpness. AF only.</p> <p>Product(s) required:</p> <p>75340 Dome Port 75037 Extension 5509.58 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight System</p>	<p>Compact Dome not recommended due to vignetting.</p>
24-120 mm Nikon Z f/4 S	<p>AF only.</p> <p>Product(s) required:</p> <p>+4 Diopter Required 75340 Dome Port 75020 Extension 75042 Extension 5509.46 Zoom Gear</p> <p>Optional accessories:</p> <p>47140 Trim Weight System</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
28-75 mm Nikon Z f/2.8	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p>Product(s) required: 75340 Dome Port 75037 Extension 5509.28 Zoom Gear</p> <p>Optional accessories: 47140 Trim Weight</p>		
35 mm Nikon Z f/1.2 S	<p>The magnifying effect of a flat port is good for close-up photography. The front of the port is 67mm threaded and accepts 3" diameter filters. AF only.</p> <p>Product(s) required: 75301 Flat Port 75020 Extension 75042 Extension</p>	<p>Provides the full angle of coverage underwater. Compact and lightweight for travel. AF only.</p> <p>Product(s) required: 75344 Compact Dome Port 75037 Extension 75050 Extension</p>	<p>Provides the full angle of coverage underwater. AF only</p> <p>Product(s) required: 75340 Dome Port 75020 Extension 75042 Extension</p> <p>Optional accessories: 47140 Trim Weight</p>
35 mm Nikon Z f/1.4 35 mm Nikon Z f/1.8 S	<p>The magnifying effect of a flat port is good for close-up photography. The front of the port is 67mm threaded and accepts 3" diameter filters. AF only.</p> <p>Product(s) required: 75301 Flat Port</p>	<p>Provides the full angle of coverage underwater. Compact and lightweight for travel. AF only.</p> <p>Product(s) required: 75344 Compact Dome Port 75020 Extension</p>	<p>Provides the full angle of coverage underwater. Larger dome is best for split shots (half-in, half-out of the water). AF only</p> <p>Product(s) required: 75340 Dome Port</p> <p>Optional accessories: 47140 Trim Weight</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
50 mm Nikon Z f/1.8 S	<p>The magnifying effect of a flat port is good for macro photography. The front of the port is 67mm threaded and accepts 3" diameter filters. AF only. <i>Corrected 2/22/24</i></p> <p><u>Product(s) required:</u> 75301 Flat Port</p>	<p>Provides the full angle of coverage underwater. Compact and lightweight for travel. +4 diopter is required for this lens to focus underwater behind a dome port. Lens will not focus at infinity above water with a diopter attached. AF only. <i>Corrected 2/22/24</i></p> <p><u>Product(s) required:</u> +4 Diopter Required 75344 Compact Dome Port 75020 Extension</p>	<p>Provides the full angle of coverage underwater. +4 diopter is required for this lens to focus underwater behind a dome port. Lens will not focus at infinity above water with a diopter attached. AF only.</p> <p><u>Product(s) required:</u> +4 Diopter Required 75340 Dome Port</p> <p><u>Optional accessories:</u> 47140 Trim Weight</p>
50 mm Nikon Z f/2.8 MC	<p>The magnifying effect of a flat port is good for macro photography. External diopters not recommended due to the spacing between the lens and the front of the port. AF only.</p> <p><u>Product(s) required:</u> 75301 Flat Port</p>	<p>The magnifying effect of a flat port is good for macro photography. AF only.</p> <p><u>Product(s) required:</u> 75303 Flat Port</p>	
60 mm Nikon AF-S f/2.8G ED + Nikon Mount Adapter FTZ	<p>AF only.</p> <p><u>Product(s) required:</u> 75301 Flat Port 75028 Extension</p>		
70 mm Sigma f/2.8 DG Macro Art + Nikon Mount Adapter FTZ	<p>AF only.</p> <p><u>Product(s) required:</u> 75301 Flat Port (2) 75042 Extensions</p>		
90 mm Tamron f/2.8 Di III VXD	<p>AF only.</p> <p><u>Product(s) required:</u> 75301 Flat Port 75020 Extension 75028 Extension</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
105 mm Nikon Z MC f/2.8 VR S <u>"BEST LENS"</u> See MF Gear Installation	Recommended if using external wet diopters for super-macro. AF only. <u>Product(s) required:</u> 75301 Flat Port 75020 Extension 75028 Extension <u>Optional accessories:</u> 5509.72 Focus Gear	Approximately 1/8" gap between the front of the lens and the back of the port glass. AF only. <u>Product(s) required:</u> 75301 Flat Port 75050 Extension	No attachment of external wet lenses. AF only. <u>Product(s) required:</u> 75303 Flat Port 75028 Extension 75037 Extension
105 mm Nikon AF-S f/2.8G IF-ED VR + Nikon Mount Adapter FTZ	AF only. <u>Product(s) required:</u> 75301 Flat Port 75020 Extension 75042 Extension		
105 mm Sigma f/2.8 EX DG OS HSM Macro + Nikon Mount Adapter FTZ	AF only. <u>Product(s) required:</u> 75301 Flat Port (2) 75037 Extensions		