



# 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
<b>8-15 mm Nikon f/3.5-4.5E ED Fisheye + Nikon Mount Adapter FTZ</b> <a href="#">See Installation</a>	<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><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port  <b>75020</b> Extension  <b>5509.28</b> Zoom (or Focus) Gear</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><b>Product(s) required:</b></p> <p><b>75344</b> Dome Port  <b>75028</b> Extension  <b>5509.28</b> Zoom (or 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><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port  <b>5509.28</b> Zoom (or Focus) Gear</p>
<b>10.5 mm Nikon AF DX f/2.8 G ED Fisheye + Nikon Mount Adapter FTZ</b>	<p>Some vignetting (dark shadows in the corners of the image) will be present.</p> <p><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port</p>		
<b>12-28 mm Nikon Z DX f/3.5-5.6 PZ VR</b> <a href="#">See Installation</a>	<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><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port  <b>5509.28</b> Zoom (or Focus) Gear</p> <p><b>Optional accessories:</b></p> <p><b>0923.35</b> Anti-Reflection Ring  <b>47140</b> 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><b>Product(s) required:</b></p> <p><b>75344</b> Dome Port  <b>5509.28</b> Zoom (or Focus) Gear</p> <p><b>Optional accessories:</b></p> <p><b>0923.35</b> 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><b>Product(s) required:</b></p> <p><b>75303</b> Flat Port  <b>5509.28</b> Zoom (or Focus) Gear</p> <p><b>Optional accessories:</b></p> <p><b>0923.35</b> Anti-Reflection Ring</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>14-24 mm Nikon Z f/2.8 S</b>	Larger dome is best for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> <b>75340</b> Dome Port <b>75050</b> Extension <b>5509.43</b> Zoom Gear	Compact and lightweight for travel. Better for close focus wide angle. AF only. <u>Product(s) required:</u> <b>75344</b> Dome Port <b>75050</b> Extension <b>5509.43</b> Zoom Gear	
<b>14-24 mm Nikon f/2.8G ED + Nikon Mount Adapter FTZ</b>	Larger dome is best for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> <b>75340</b> Dome Port <b>75037</b> Extension <b>75042</b> Extension <b>5509.28</b> Zoom Gear	Compact and lightweight for travel. Better for close focus wide angle. AF only. <u>Product(s) required:</u> <b>75344</b> Dome Port <b>75037</b> Extension <b>75042</b> Extension <b>5509.28</b> Zoom Gear	Larger dome is best for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> <b>75340</b> Dome Port <b>75028</b> Extension <b>75050</b> Extension <b>5509.28</b> Zoom Gear
<b>14-24 mm Sigma f/2.8 DG HSM   A</b>	Zoom not supported. Lens must be pre-set and used at a fixed focal length. AF only. <u>Product(s) required:</u> <b>75340</b> Dome Port <b>75020</b> Extension <b>75050</b> Extension		
<b>14-30 mm Nikon Z f/4 S</b> <a href="#">See Installation</a>	Larger dome is best for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> <b>75340</b> Dome Port <b>75050</b> Extension <b>5509.31</b> Zoom Gear	Compact and lightweight for travel. Better for close focus wide angle. AF only. <u>Product(s) required:</u> <b>75344</b> Dome Port <b>75050</b> Extension <b>5509.31</b> Zoom Gear	
<b>15mm Sigma f/2.8 EX DG Diagonal Fisheye + Nikon Mount Adapter FTZ</b>	MF only. <u>Product(s) required:</u> <b>75340</b> Dome Port <b>5509.28</b> Focus Gear		
<b>16 mm Viltrox AF f/1.8 FE</b>	Larger dome is best for split shots (half-in, half-out of the water). AF only. <u>Product(s) required:</u> <b>75340</b> Dome Port <b>75020</b> Extension	Compact and lightweight for travel. Better for close focus wide angle. AF only. <u>Product(s) required:</u> <b>75344</b> Dome Port <b>75028</b> Extension	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>16-35 mm Nikon f/4G ED VR + Nikon Mount Adapter FTZ</b>	<p>Larger dome is best for split shots (half-in, half-out of the water). Trim weight set recommended. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port <b>75042</b> Extension <b>75050</b> Extension <b>5509.28</b> Zoom Gear</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. Trim weight set recommended. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75344</b> Dome Port <b>75042</b> Extension <b>75050</b> Extension <b>5509.28</b> Zoom Gear</p>	
<b>16-50 mm Nikon Z f/3.5-6.3 DX VR</b>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75344</b> Dome Port <b>5509.27</b> Zoom Gear</p>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port <b>5509.27</b> Zoom Gear</p>	
<b>17-35 mm Nikon f/2.8D ED-IF AF-S + Nikon Mount Adapter FTZ</b>	<p>Larger dome is best for split shots (half-in, half-out of the water). Trim weight set recommended. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port <b>75028</b> Extension <b>75050</b> Extension <b>5509.28</b> Zoom Gear</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. Trim weight set recommended. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75344</b> Dome Port <b>75028</b> Extension <b>75050</b> Extension <b>5509.28</b> Zoom Gear</p>	
<b>17-28 mm Nikon Z f/2.8</b>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port <b>5509.28</b> Zoom Gear</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75344</b> Dome Port <b>75020</b> Extension <b>5509.28</b> Zoom Gear</p>	
<b>18-35 mm Nikon f/3.5-4.5G ED + Nikon Mount Adapter FTZ</b>	<p>Larger dome is best for split shots (half-in, half-out of the water). Trim weight set recommended. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75340</b> Dome Port <b>75020</b> Extension <b>75042</b> Extension <b>5509.27</b> Zoom Gear</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. Trim weight set recommended. AF only.</p> <p><b>Product(s) required:</b></p> <p><b>75344</b> Dome Port <b>75020</b> Extension <b>75042</b> Extension <b>5509.27</b> Zoom Gear</p>	

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>18-105 mm Nikon AF-S DX f/3.5-5.6G ED VR + Nikon Mount Adapter FTZ</b>	<p>Superior edge sharpness compared to shorter port option. AF only.</p> <p><u>Product(s) required:</u>  <b>+4 Diopter Required</b>  <b>75340</b> Dome Port  <b>75028</b> Extension  <b>75050</b> Extension  <b>5509.71</b> Zoom Gear</p>	<p>A longer port is recommended for better edge sharpness. AF only.</p> <p><u>Product(s) required:</u>  <b>+4 Diopter Required</b>  <b>75340</b> Dome Port  <b>75042</b> Extension  <b>5509.71</b> Zoom Gear</p>	
<b>20 mm Nikon Z f/1.8 S</b>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><u>Product(s) required:</u>  <b>75340</b> Dome Port  <b>75037</b> Extension</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p><u>Product(s) required:</u>  <b>75344</b> Dome Port  <b>75037</b> Extension</p>	
<b>24 mm Nikon Z f/1.8 S</b>	<p>Superior edge sharpness compared to shorter port option. AF only.</p> <p><u>Product(s) required:</u>  <b>75340</b> Dome Port  <b>75020</b> Extension</p>	<p>Compact and lightweight for travel. Better for close focus wide angle. AF only.</p> <p><u>Product(s) required:</u>  <b>75344</b> Dome Port  <b>75020</b> Extension</p>	<p>A longer port is recommended for better edge sharpness. AF only.</p> <p><u>Product(s) required:</u>  <b>75340</b> Dome Port</p>
<b>24-50 mm Nikon Z f/4-6.3</b>	<p>AF only.</p> <p><u>Product(s) required:</u>  <b>75344</b> Dome Port  <b>5509.27</b> Zoom Gear</p>		
<b>24-70 mm Nikon Z f/2.8 S</b>	<p>AF only.</p> <p><u>Product(s) required:</u>  <b>+4 Diopter Required</b>  <b>75340</b> Dome Port  <b>75020</b> Extension  <b>75050</b> Extension  <b>5509.32</b> Zoom Gear</p> <p><u>Optional accessories:</u>  <b>0923.33</b> Anti-Reflection Ring</p>		

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>24-70 mm Nikon Z f/4 S</b>	<p>Compact and lightweight for travel. AF only.</p> <p><b>Product(s) required:</b>  <b>75344</b> Dome Port  <b>(2) 75028</b> Extensions  <b>5509.28</b> Zoom Gear</p>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><b>Product(s) required:</b>  <b>75340</b> Dome Port  <b>75050</b> Extension  <b>5509.28</b> Zoom Gear</p>	
<b>24-120 mm Nikon Z f/4 S</b>	<p>AF only.</p> <p><b>Product(s) required:</b>  <b>+4 Diopter Required</b>  <b>75340</b> Dome Port  <b>75020</b> Extension  <b>75042</b> Extension  <b>5509.46</b> Zoom Gear</p> <p><b>Optional accessories:</b>  <b>47140</b> Trim Weight System</p>		
<b>28-75 mm Nikon Z f/2.8</b>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only.</p> <p><b>Product(s) required:</b>  <b>75340</b> Dome Port  <b>75037</b> Extension  <b>5509.28</b> Zoom Gear</p>		
<b>35 mm Nikon Z f/1.8 S</b>	<p>AF only.</p> <p><b>Product(s) required:</b>  <b>75301</b> Flat Port  <b>75042</b> Extension</p>	<p>Compact and lightweight for travel. AF only.</p> <p><b>Product(s) required:</b>  <b>75344</b> Dome Port  <b>75042</b> Extension</p>	<p>Larger dome is best for split shots (half-in, half-out of the water). AF only</p> <p><b>Product(s) required:</b>  <b>75340</b> Dome Port</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>50 mm Nikon Z f/1.8 S</b>	<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><b>Product(s) required:</b> <b>75301</b> 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><b>Product(s) required:</b> <b>+4 Diopter Required</b> <b>75344</b> Dome Port <b>75020</b> 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><b>Product(s) required:</b> <b>+4 Diopter Required</b> <b>75340</b> Dome Port</p>
<b>50 mm Nikon Z f/2.8 MC</b>	<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><b>Product(s) required:</b> <b>75301</b> Flat Port</p>	<p>The magnifying effect of a flat port is good for macro photography. AF only.</p> <p><b>Product(s) required:</b> <b>75303</b> Flat Port</p>	
<b>60 mm Nikon AF-S f/2.8G ED + Nikon Mount Adapter FTZ</b>	<p>AF only.</p> <p><b>Product(s) required:</b> <b>75301</b> Flat Port <b>75028</b> Extension</p>		
<b>70 mm Sigma f/2.8 DG Macro Art + Nikon Mount Adapter FTZ</b>	<p>AF only.</p> <p><b>Product(s) required:</b> <b>75301</b> Flat Port <b>(2) 75042</b> Extensions</p>		
<b>105 mm Nikon Z MC f/2.8 VR S</b>	<p>Recommended if using external wet diopters for super-macro. AF only.</p> <p><b>Product(s) required:</b> <b>75301</b> Flat Port <b>75020</b> Extension <b>75028</b> Extension</p>	<p>Approximately 1/8" gap between the front of the lens and the back of the port glass. AF only.</p> <p><b>Product(s) required:</b> <b>75301</b> Flat Port <b>75050</b> Extension</p>	<p>No attachment of external wet lenses. AF only.</p> <p><b>Product(s) required:</b> <b>75303</b> Flat Port <b>75028</b> Extension <b>75037</b> Extension</p>

	OPTION 1 (Recommended)	OPTION 2	OPTION 3
<b>105 mm Nikon AF-S f/2.8G IF-ED VR + Nikon Mount Adapter FTZ</b>	AF only. <u>Product(s) required:</u> <b>75301</b> Flat Port <b>75020</b> Extension <b>75042</b> Extension		
<b>105 mm Sigma f/2.8 EX DG OS HSM Macro + Nikon Mount Adapter FTZ</b>	AF only. <u>Product(s) required:</u> <b>75301</b> Flat Port <b>(2) 75037</b> Extensions		