

Fantasea Lens and Ports Compatibility Chart

Last Update: 13/01/08

This is a partial Ports Chart regarding Fantasea Ports and popular lenses for underwater photography. The Chart is a work in progress, so please check it from time to time as we are constantly adding and improving it. If you have any specific questions, please contact us at info@fantasea.com.

Housing	Lens Type	Lens Maximum Length	Lens Width	Port Type	Extension Ring	Vignette	Lens Range in Port	Recommendation	Remarks
FD-40X for the Nikon D-40 and D-40X Cameras. Uses 104mm Thread Ports.	Nikon 10.5mm f/2.8G ED AF DX Fisheye*	62.5mm	63mm	5" (#7044)	None	Yes	Fits well	No	Vignette + No control of the manual focus
	Sigma 15mm f/2.8 EX Fisheye*	70mm	74mm	Standard (#7009)	None	Yes	Fits well	No	Too much vignette
				5" (#7045)	None	No	Fits well	Yes	Good. Place zoom ring on focus ring for manual control of the focus
				5" (#7044)	None	No	Fits well	No	No control of the manual focus
				Semi-Dome (#7005)	None	Yes	Fits well	No	Too much vignette
	Nikon 18-55mm f/3.5-5.6G ED AF-S DX	92mm	66mm	Standard (#7009)	None	No	Fits well	Yes	Use a 2.2 shim band under zoom ring
	Nikon 18-70mm f/3.5-4.5G ED-IF AF-S DX	101mm	74mm	Standard (#7009)	None	No	18-55mm	Yes	Partial Range
				Standard (#7009)	Yes, #7013	Yes, 18-27mm	Fits well	Yes	Slight vignette at wide angle
				5" (#7045)	None	No	Fits well	Yes	+4 diopter required on lens
				Semi-Dome (#7005)	None	No	Fits well	Yes	+4 diopter required on lens
				FD80 Port (#7012)	None	Yes, 18-23mm	Fits well	Yes	Slight vignette at wide angle

FD-40X for the Nikon D-40 and D-40X Cameras. Uses 104mm Thread Ports.	Nikon 60mm f/2.8D AF Micro*	98mm	68mm	Standard (#7009)	None	No	Fits well	No	No control of the manual focus because shape of lens
				Standard (#7009)	Yes, #7013	No	Fits well	Yes	Good + Place zoom ring on focus ring for manual control of the focus
				5" (#7045)	None	No	Fits well	No	No control of the manual focus because shape of lens
				5" (#7045)	Yes, #7013	No	Fits well	Yes	Good + Place zoom ring on focus ring for manual control of the focus
				5" (#7044)	None	No	Fits well	No	No control of the manual focus
				Semi-Dome (#7005)	None	No	Fits well	No	No control of the manual focus because shape of lens
	Nikon 105mm f/2.8G ED-IF AF-S VR Micro**	116mm	83mm	100mm Macro Port (#7035)	None	No	Fits well	Yes	Good
Tamron 90mm f/2.8 1:1 SP Macro	150mm	71.5mm	Lens focus is too long and won't fit any of our ports						
FD50N for the Nikon D-50 Camera.	Sigma 15mm f/2.8 EX Fisheye*	70mm	74mm	Standard (#7009)	None	Yes	Fits well	No	Too much vignette
				Semi-Dome (#7005)	None	Yes	Fits well	No	Too much vignette
				5" (#7045)	None	No	Fits well	Yes	Good

FD50N for the Nikon D- 50 Camera. Uses 104mm Thread Ports.				5" (#7044)	None	No	Fits well	Yes	Good
	Sigma 17- 70mm f/2.8 Macro	123mm	72mm	Standard (#7009)	None	Yes, 17mm	17-32mm	No	Slight vignette and partial range
				Standard (#7009)	Yes, #7013	Yes, 17- 22mm	17-50mm	No	Slight vignette and partial range
				Semi- Dome (#7005)	None	Yes, 17mm	17-40mm	No	Slight vignette and partial range
				Semi- Dome (#7005)	Yes, #7013	Yes, 17- 22mm	17-62mm	Yes	Slight vignette, partial range
				5" (#7045)	None	No	Fits well	Yes	Good
	Nikon 18- 55mm f/3.5- 5.6G ED AF-S DX	92mm	66mm	Standard (#7009)	None	No	Fits well	Yes	Use a 2.2 shim band under zoom ring
				Semi- Dome (#7005)	None	No	Fits well	Yes	+4 diopter required on lens
				5" (#7045)	None	No	Fits well	Yes	+4 diopter required on lens
	Nikon 18- 70mm f/3.5- 4.5G ED- IF AF-S DX	101mm	74mm	Standard (#7009)	None	No	Fits well	Yes	Use only the narrow zoom ring
				5" (#7045)	None	No	Fits well	Yes	+4 diopter required on lens
	Nikon 18- 135mm f/3.5- 5.6G ED- IF AF-S DX	142mm	72mm	Standard (#7009)	None	No	Lens too long	No	Can be used only in the 18mm range
				Standard (#7009)	Yes, #7013	Yes, 18- 22mm	18-44mm	No	Slight vignette and only partial range (18-44mm)
				5" (#7045)	None	No	18-75mm	Yes	Allows only partial range (18- 75mm). +4 diopter required on lens
				5" (#7045)	Yes, #7013	No	Fits well	Yes	+4 diopter required on lens

FD50N for the Nikon D- 50 Camera. Uses 104mm Thread Ports.				Semi-Dome (#7005)	Yes, #7013	Yes, 18-20mm	18-62mm	No	Slight vignette, lens too short and +4 diopter required on lens
	Nikon 60mm f/2.8D AF Micro*	98mm	68mm	Standard (#7009)	None	No	its well without focus ring full range	No	The lens fits well inside the port, but there are a few missing mm to allow for the full range of the focus
				Standard (#7009)	Yes, #7013	No	Fits well	Yes	Good
				Semi-Dome (#7005)	None	No	Fits well	Yes	+4 diopter required on lens
				5" (#7045)	None	No	Fits well	Yes	+4 diopter required on lens
				5" (#7044)	None	No	Fits well	Yes	+4 diopter required on lens
				100mm Macro Port (#7035)	None	No	Fits well	Yes	Good
	Tamron 90mm f/2.8 1:1 SP Macro	150mm	71.5mm	Lens focus is too long and won't fit any of our ports					
FD-70N for the Nikon D- 70 and D- 70s Cameras. Uses 104mm Thread Ports.	Nikon 10.5mm f/2.8G ED AF DX Fisheye*	62.5mm	63mm	5" (#7044)	None	Slight	Fits well	Yes	Slight vignette, see photograph
	Sigma 15mm f/2.8 EX Fisheye*	70mm	74mm	Standard (#7009)	None	Yes	Fits well	No	Too much vignette
				5" (#7045)	None	No	Fits well	Yes	Good
				5" (#7044)	None	No	Fits well	Yes	Good

FD-70N for the Nikon D- 70 and D-70s Cameras. Uses 104mm Thread Ports.	Sigma 17-70mm f/2.8 Macro	123mm	72mm	Standard (#7009)	None	Yes, 17-19mm	17-38mm	No	Slight vignette and partial range
				Standard (#7009)	Yes, #7013	Yes, 17-28mm	17-60mm	No	Slight vignette and partial range
				Semi-Dome (#7005)	None	Yes, 17-18mm	17-45mm	No	Slight vignette and partial range
				Semi-Dome (#7005)	Yes, #7013	Yes, 17-22mm	Fits well	Yes	Slight vignette
				5" (#7045)	None	No	Fits well	Yes	Good
	Nikon 18-55mm f/3.5-5.6G ED AF-S DX	92mm	66mm	Standard (#7009)	None	No	Fits well	Yes	Use a 2.2 shim band under zoom ring
	Nikon 18-70mm f/3.5-4.5G ED-IF AF-S DX	101mm	74mm	Standard (#7009)	None	Yes, 18-22mm	18-56mm	Yes	Partial Range, slight vignette
				Standard (#7009)	Yes, #7013	Yes, 18-28mm	Fits well	Yes	Slight vignette at wide angle
				FD80 Port (#7012)	None	Yes, 18-23mm	Fits well	Yes	Slight vignette at wide angle
				5" (#7045)	None	No	Fits well	Yes	+4 diopter required on lens
				Semi-Dome (#7005)	None	No	Fits well	Yes	+4 diopter required on lens
	Nikon 18-135mm f/3.5-5.6G ED-IF AF-S DX	142mm	72mm	Standard (#7009)	None	No	18-26mm	No	Partial range
				FD80 Port (#7012)	None	Slight	18-48mm	No	Partial range, slight vignette
				100mm Macro Port (#7035)	None	Yes, 18-30mm	18-75mm	No	Partial range, slight vignette

FD-70N for the Nikon D- 70 and D-70s Cameras.				5" (#7045)	None	No	18-80mm	Yes	Partial range
				5" (#7045)	Yes, #7013	No	Fits well	Yes	Use the <u>wider</u> zoom ring. May require +4 diopter for macro shots
Uses 104mm Thread Ports.	Nikon 60mm f/2.8D AF Micro*	98mm	68mm	Standard (#7009)	None	No	Fits well without focus ring full range	No	The lens fits well inside the port, but there are a few missing mm to allow for the full range of the focus
				Standard (#7009)	Yes, #7013	No	Fits well	Yes	Good
	Tamron 90mm f/2.8 1:1 SP Macro	150mm	71.5mm	Lens focus is too long and won't fit any of our ports					
	Nikon 105mm f/2.8G ED-IF AF- S VR Micro**	116mm	83mm	100mm Macro Port (#7035)	None	No	Fits well	Yes	Good
				Standard (#7009)	Yes, #7013	No	Does not fit	No	Lens too long
				Semi- Dome (#7005)	None	No	Does not fit	No	Lens too long
				Semi- Dome (#7005)	Yes, #7013	No	Fits well	Yes	+4 diopter required on lens
				FD80 Port (#7012)	None	No	Does not fit	No	Lens too long
				FD80 Port (#7012)	Yes, #7013	No	Fits well	Yes	Good. Position the zoom gear on the side, so it won't interrupt the lens

				5" (#7045)	None	No	Fits well	Yes	+4 diopter required on lens
FD-80 for Nikon D- 80 Camera. Uses 104mm Thread Ports.	Tokina 10-17mm f/3.5-4.5	71.1mm	70mm	5" (#7045)	None	Yes, 10- 11.5mm	Fits well	Yes	Slight vignette
	Nikon 10.5mm f/2.8G ED AF DX Fisheye*	62.5mm	63mm	5" (#7044)	None	No	Fits well	Yes	Good
	Nikon 12- 24mm f/4G ED-IF AF- S DX	89mm (Fixed length. Maximum length not measured)	81mm	FD80 Port (#7012)	None	No	Fits well	Yes	This is a customer's conclusion. Must be physically tested by us before providing a final recommendation.
	Tokina AT-X 12- 24mm AF PRO DX	90mm	84mm	FD80 Port (#7012)	None	No	Fits well	Yes	Use only with the narrow zoom band (included with port)
	Sigma 15mm f/2.8 EX Fisheye*	70mm	74mm	FD80 Port (#7012)	None	Yes	Fits well	No	Too much vignette
5" (#7044)				None	No	Fits well	Yes	Good	
5" (#7045)				None	No	Fits well	Yes	Good	
Semi- Dome (#7005)				None	Yes	Fits well	No	Too much vignette	

FD-80 for Nikon D-80 Camera. Uses 104mm Thread Ports.	Nikon 16mm f/2.8 AF Fisheye	56mm (Fixed length. Maximum length not measured)	64mm	5" (#7044)	None	Yes	Fits well	No	Good
	Sigma 17-70mm f/2.8 Macro	123mm	72mm	FD80 Port (#7012)	None	No	17-40mm	Yes	No macro mode at this range. Use only the narrow zoom ring
				FD80 Port (#7012)	Yes, #7013	Yes, 17-22mm	23-60mm	Yes	Slight vignette, partial range
				5" (#7045)	None	No	17-60mm	No	Partial range
				5" (#7045)	Yes, #7013	Slight 17-19mm	Fits well	Yes	Slight vignette
	Nikon 18-55mm f/3.5-5.6G ED AF-S DX	92mm	66mm	FD80 Port (#7012)	None	No	Fits well	Yes	Use a 2.2 shim band under zoom ring
	Nikon 18-70mm f/3.5-4.5G ED-IF AF-S DX	101mm	74mm	FD80 Port (#7012)	None	No	Fits well	Yes	Use only the <u>narrow</u> zoom ring
				5" (#7045)	None	No	Fits well	No	Zoom wheel interrupts Zoom ring, limited functionality
				5" (#7045)	Yes, #7013	No	Fits well	Yes	Good
	Nikon 18-135mm f/3.5-5.6G ED-IF AF-S DX	142mm	72mm	FD80 Port (#7012)	None	No	18-35mm	No	Partial Range
				5" (#7045)	Yes, #7013	No	18-90mm	Yes	Partial Range
	Tokina AF 20-35mm	82mm (Fixed)	75mm	5" (#7044)	None	No	Fits well	Yes	No zoom control

FD-80 for Nikon D- 80 Camera. Uses 104mm Thread Ports.				5" (#7045)	None	No	Fits well	Yes	Good	
				F350D Standard (#7008)	Yes, #7013	No	Fits well	Yes	Good	
				FD80 Port (#7012)	None	Yes, 20mm	Fits well	Yes	Slight vignette	
				100mm Macro Port (#7035)	None	Yes, 20- 27mm	Fits well	No	No zoom control and too much vignette	
	Nikon 60mm f/2.8D AF Micro*	98mm	68mm	FD80 Port (#7012)	None	No	Fits well	Yes	Good	
				Semi- Dome (#7005)	None	No	Fits well	Yes	+4 diopter required on lens	
				5" (#7044)	None	No	Fits well	Yes	+4 diopter required on lens	
				5" (#7045)	None	No	Fits well	Yes	+4 diopter required on lens	
				100mm Macro Port (#7035)	None	No	Fits well	Yes	Good	
	Tamron 90mm f/2.8 1:1 SP Macro	150mm	71.5mm	Lens focus is too long and won't fit any of our ports						
	Nikon 105mm f/2.8G ED-IF AF- S VR Micro**	116mm (Fixed length. Maximum length not measured)	83mm	Lens too big for the FD80 Housing (It is claimed to work fine with the Macro Port, but must be physically tested by us before providing a final recommendation)						

F350D for the Canon 350D Camera. Uses 104mm Thread Ports.	Canon EF 17-40mm f/4L USM	96mm	84mm	Lens too wide to fit this housing					
	Canon EF-S 18-55mm f/3.5-5.6	80mm	68mm	Standard Port (#7008)	None	No	Fits well	Yes	Use a 2.2 shim band under zoom ring
	Canon EF 24-85mm f/3.5- 4.5mm	93mm	67mm	Standard Port (#7008)	None	No	24-35mm	No	Partial range
				Standard Port (#7008)	Yes, #7013	No	24-70mm	Yes	Partial range
				Semi- Dome (#7005)	None	No	Fits well	Yes	+4 diopter required
				5" (#7045)	None	No	Fits well	Yes	+4 diopter required
	Canon EF 28-105mm f/3.5-4.5 II USM	104mm	72mm	Standard Port (#7008)	None	No	28mm only	No	Lens too long for this port
				5" (#7045)	None	No	Fits well	Yes	Use only the narrow zoom ring. +4 diopter required on lens
				Semi- Dome (#7005)	None	No	28-70mm	Yes	Partial range. +4 diopter required on lens
				Semi- Dome (#7005)	Yes, #7013	No	Fits well	Yes	4 diopter required on lens
	Sigma 28- 300mm f/3.5-6.3	165mm	75mm	5" (#7045)	Yes, #7013	No	Lens too wide and too long	No	Lens too wide to be used with a zoom band (can be used without a zoom band in the range of 28-80mm)

F350D for the Canon 350D Camera.	Canon EF-S 60mm f/2.8 Macro USM	73mm	70mm	Standard Port (#7008)	None	No	Fits well	Yes	Good
	Canon EF 85mm f/1.8	74mm	68mm	Standard Port (#7008)	None	No	Fits well	Yes	Use only the narrow zoom band. Operating the zoom creates some resistance
F400D for the Canon 400D Camera. Uses 104mm Thread Ports.	Canon EF-S 10-22mm f/3.5-4.5 USM	89mm (Fixed length. Maximum length not measured)	83.5mm	Standard Port (#7008)	None	No	Lens too long	No	Lens too long
				5" (#7045)	None	No	Fits well	Yes	Good
				FD80 Port (#7012)	None	Yes, 10-11mm	Fits well	Yes	Slight vignette
				5" (#7044)	None	No	Fits well	Yes	No zoom control
	Canon EF 14mm f/2.8 USM	89mm (Fixed length. Maximum length not measured)	77mm	5" (#7044)	None	No	Fits well	Yes	Good
				5" (#7045)	None	No	Fits well	Yes	Good
	Canon EF 17-40mm f/4L USM	96mm	84mm	Standard Port (#7008)	None	No	Lens too wide	No	Lens too wide for this port
				Semi-Dome (#7005)	None	No	Fits well	Yes	No control of the zoom since the lens zoom ring is very close to camera body
				5" (#7045)	None	No	Fits well	Yes	No control of the zoom since the lens zoom ring is very close to camera body

F400D for the Canon 400D Camera. Uses 104mm Thread Ports.	Canon EF-S 18-55mm f/3.5-5.6	80mm	68mm	Standard Port (#7008)	None	No	Fits well	Yes	Use a 2.2 shim band under zoom ring
	Canon EF 24-85mm f/3.5-4.5mm	93mm	67mm	Standard Port (#7008)	None	No	24-35mm	No	Lens too wide to be operated with a zoom band. Can be operated in a fixed range without zoom control
				Standard Port (#7008)	Yes, #7013	No	24-70mm	Yes	
				Semi-Dome (#7005)	None	No	Fits well	Yes	
				5" (#7045)	None	No	Fits well	Yes	
	Canon EF 28-105mm f/3.5-4.5 II USM	104mm	72mm	Standard Port (#7008)	None	No	Lens too long	No	Lens too long for this port
				Standard Port (#7008)	Yes, #7013	No	28-70mm	Yes	Partial range
				5" (#7045)	None	No	Fits well	Yes	Good
				Semi-Dome (#7005)	None	No	Fits well	Yes	Good
	Sigma 28-300mm f/3.5-6.3	165mm	75mm	5" (#7045)	Yes, #7013	No	Lens too wide and too long	No	Lens too wide to be used with a zoom band (can be used without a zoom band in the range of 28-80mm)
	Canon EF 50mm f/1.4 USM	51mm (Fixed length. Maximum length not measured)	58mm	Standard Port (#7008)	None	No	Fits well	Yes	Good

F400D for the Canon 400D Camera.	Canon EF 50mm f/1.8 II	41mm(Fixed length. Maximum length not measured)	68.2mm	Standard Port (#7008)	None	No	Fits well	Yes	Good
	Canon EF-S 60mm f/2.8 Macro USM	73mm	70mm	Standard Port (#7008)	None	No	Fits well	Yes	Good
	Canon EF 85mm f/1.8	74mm	68mm	Standard Port (#7008)	None	No	Fits well	Yes	Use only the narrow zoom band. Operating the zoom creates some resistance
FE330 for the Olympus E330 Camera. Uses 114mm Bayonet Ports.	Zuiko 8mm f/3.5 Digital Fisheye	78mm (Fixed length. Maximum length not measured)	79mm	Standard (#7014)	None	Yes	Fits well	No	Too much vignette
				5" (#7050)	None	No	Fits well	Yes	Good
	Zuiko 14-45mm f/3.5-5.6	86.5mm (Fixed length. Maximum length not measured)	71mm	Standard (#7014)	None	No	Fits well	Yes	Good
				5" (#7050)	None	No	14-35mm	Yes	Partial range, no zoom control
				5" (#7050)	Yes, #7015	No	14-45mm	Yes	No zoom control
	Zuiko Digital 35mm f/3.5	53mm (Fixed length. Maximum length not measured)	71mm	Standard (#7014)	None	No	Fits well	Yes	Good
				5" (#7050)	None	No	Fits well	Yes	Good
	Zuiko 50mm	61mm (Fixed	71mm	Standard (#7014)	None	No	Fits well	Yes	Good

			5" (#7050)	None	No	Fits well	Yes	Good
--	--	--	---------------	------	----	--------------	-----	------

* Please note that this lens does not provide auto focus with the FD-40X, so the zoom ring is required for manual control the focus.

** Please note that there are 3 different kinds of Nikon 105mm lenses.

General Remarks:

1. Lenses which were found compatible with the standard lens port weren't tested with any other port based on the assumption that the housing always comes with the standard lens port.
2. Zoom Lenses weren't tested in ports which offer no zoom control.
3. Lenses maximum length, noted on the second column of the table, refers to the lens's length when zoom and focus rings are fully extended.

