

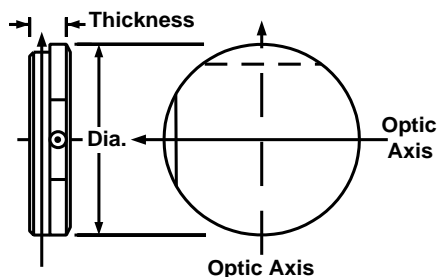
# Zero Order Waveplates (1/4, 1/2)



## Diameter (mm)

### Specifications:

Material..... Crystal quartz  
 Parallelism..... Less than 0.5 arc seconds  
 Surface Quality..... 10/5  
 Retardation Tolerance..... 1/600  
 Transmitted Wavefront..... 1/4  
 Diameter Tolerance..... +.000", -.005"  
 Clear Aperture..... Central 90% of diameter



Optic axis is normal to polished flat on plates  
 (two plates optically contacted, app. 2 mm thick)

Wavelength (nm)	Diameter (mm)			
	10 mm	15 mm	20 mm	30 mm
248.0 1/4	WZQ248-39	WZQ248-59	WZQ248-78	WZQ248-11
248.0 1/2	WZH248-39	WZH248-59	WZH248-78	WZH248-11
266.0 1/4	WZQ266-39	WZQ266-59	WZQ266-78	WZQ266-11
266.0 1/2	WZH266-39	WZH266-59	WZH266-78	WZH266-11
308.0 1/4	WZQ308-39	WZQ308-59	WZQ308-78	WZQ308-11
308.0 1/2	WZH308-39	WZH308-59	WZH308-78	WZH308-11
354.7 1/4	WZQ354-39	WZQ354-59	WZQ354-78	WZQ354-11
354.7 1/2	WZH354-39	WZH354-59	WZH354-78	WZH354-11
441.6 1/4	WZQ441-39	WZQ441-59	WZQ441-78	WZQ441-11
441.6 1/2	WZH441-39	WZH441-59	WZH441-78	WZH441-11
488.0 1/4	WZQ488-39	WZQ488-59	WZQ488-78	WZQ488-11
488.0 1/2	WZH488-39	WZH488-59	WZH488-78	WZH488-11
514.5 1/4	WZQ514-39	WZQ514-59	WZQ514-78	WZQ514-11
514.5 1/2	WZH514-39	WZH514-59	WZH514-78	WZH514-11
532.0 1/4	WZQ532-39	WZQ532-59	WZQ532-78	WZQ532-11
532.0 1/2	WZH532-39	WZH532-59	WZH532-78	WZH532-11
632.8 1/4	WZQ632-39	WZQ632-59	WZQ632-78	WZQ632-11
632.8 1/2	WZH632-39	WZH632-59	WZH632-78	WZH632-11
694.3 1/4	WZQ694-39	WZQ694-59	WZQ694-78	WZQ694-11
694.3 1/2	WZH694-39	WZH694-59	WZH694-78	WZH694-11

\*For anti-reflection coatings, add AR to the end of the part number.

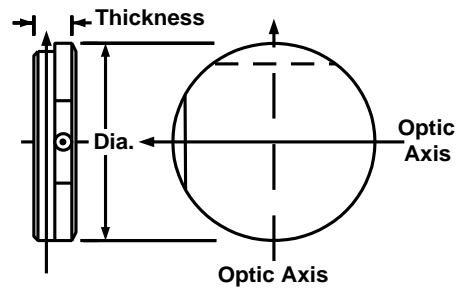
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 Surface Quality ..... 10/5  
 Retardation Tolerance ..... 1/600  
 Transmitted Wavefront ..... 1/4  
 Diameter Tolerance ..... +.000", -.005"  
 Clear Aperture ..... Central 90% of diameter



Optic axis is normal to polished flat on plates  
 (two plates optically contacted, app. 2 mm thick)

Wavelength (nm)	Diameter (Inches)			
	.500"	.750"	1.00"	1.50"
248.0 1/4	WZQ248-50	WZQ248-75	WZQ248-10	WZQ248-15
248.0 1/2	WZH248-50	WZH248-75	WZH248-10	WZH248-15
266.0 1/4	WZQ266-50	WZQ266-75	WZQ266-10	WZQ266-15
266.0 1/2	WZH266-50	WZH266-75	WZH266-10	WZH266-15
308.0 1/4	WZQ308-50	WZQ308-75	WZQ308-10	WZQ308-15
308.0 1/2	WZH308-50	WZH308-75	WZH308-10	WZH308-15
354.7 1/4	WZQ354-50	WZQ354-75	WZQ354-10	WZQ354-15
354.7 1/2	WZH354-50	WZH354-75	WZH354-10	WZH354-15
441.6 1/4	WZQ441-50	WZQ441-75	WZQ441-10	WZQ441-15
441.6 1/2	WZH441-50	WZH441-75	WZH441-10	WZH441-15
488.0 1/4	WZQ488-50	WZQ488-75	WZQ488-10	WZQ488-15
488.0 1/2	WZH488-50	WZH488-75	WZH488-10	WZH488-15
514.5 1/4	WZQ514-50	WZQ514-75	WZQ514-10	WZQ514-15
514.5 1/2	WZH514-50	WZH514-75	WZH514-10	WZH514-15
532.0 1/4	WZQ532-50	WZQ532-75	WZQ532-10	WZQ532-15
532.0 1/2	WZH532-50	WZH532-75	WZH532-10	WZH532-15
632.8 1/4	WZQ632-50	WZQ632-75	WZQ632-10	WZQ632-15
632.8 1/2	WZH632-50	WZH632-75	WZH632-10	WZH632-15
694.3 1/4	WZQ694-50	WZQ694-75	WZQ694-10	WZQ694-15
694.3 1/2	WZH694-50	WZH694-75	WZH694-10	WZH694-15

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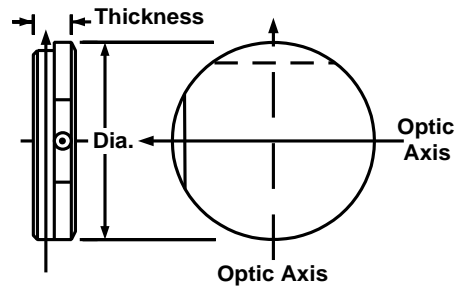
# Zero Order Waveplates (1/4, 1/2)



## Diameter (mm)

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 Transmitted Wavefront ..... 1/4  
 Diameter Tolerance ..... +.000", -.005"  
 Clear Aperture ..... Central 90% of diameter



Optic axis is normal to polished flat on plates  
 (two plates optically contacted, app. 2 mm thick)

Wavelength (nm)	Diameter (mm)			
	10 mm	15 mm	20 mm	30 mm
790.0 1/4	WZQ790-39	WZQ790-59	WZQ790-78	WZQ790-11
790.0 1/2	WZH790-39	WZH790-59	WZH790-78	WZH790-11
800.0 1/4	WZQ800-39	WZQ800-59	WZQ800-78	WZQ800-11
800.0 1/2	WZH800-39	WZH800-59	WZH800-78	WZH800-11
810.0 1/4	WZQ810-39	WZQ810-59	WZQ810-78	WZQ810-11
810.0 1/2	WZH810-39	WZH810-59	WZH810-78	WZH810-11
830.0 1/4	WZQ830-39	WZQ830-59	WZQ830-78	WZQ830-11
830.0 1/2	WZH830-39	WZH830-59	WZH830-78	WZH830-11
1053.0 1/4	WZQ104-39	WZQ104-59	WZQ104-78	WZQ104-11
1053.0 1/2	WZH104-39	WZH104-59	WZH104-78	WZH104-11
1054.0 1/4	WZQ105-39	WZQ105-59	WZQ105-78	WZQ105-11
1054.0 1/2	WZH105-39	WZH105-59	WZH105-78	WZH105-11
1064.1 1/4	WZQ106-39	WZQ106-59	WZQ106-78	WZQ106-11
1064.1 1/2	WZH106-39	WZH106-59	WZH106-78	WZH106-11
1319.0 1/4	WZQ132-39	WZQ132-59	WZQ132-78	WZQ132-11
1319.0 1/2	WZH132-39	WZH132-59	WZH132-78	WZH132-11
1550.0 1/4	WZQ155-39	WZQ155-59	WZQ155-78	WZQ155-11
1550.0 1/2	WZH155-39	WZH155-59	WZH155-78	WZH155-11
2100.0 1/4	WZQ210-39	WZQ210-59	WZQ210-78	WZQ210-11
2100.0 1/2	WZH210-39	WZH210-59	WZH210-78	WZH210-11

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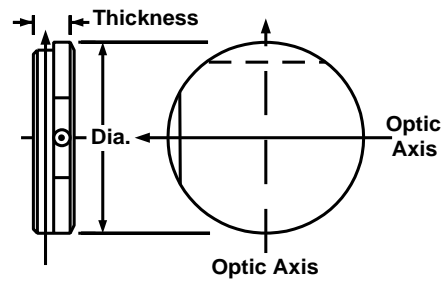
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	.500"	.750"	1.00"	1.50"
790.0 1/4	WZQ790-50	WZQ790-75	WZQ790-10	WZQ790-15
790.0 1/2	WZH790-50	WZH790-75	WZH790-10	WZH790-15
800.0 1/4	WZQ800-50	WZQ800-75	WZQ800-10	WZQ800-15
800.0 1/2	WZH800-50	WZH800-75	WZH800-10	WZH800-15
810.0 1/4	WZQ810-50	WZQ810-75	WZQ810-10	WZQ810-15
810.0 1/2	WZH810-50	WZH810-75	WZH810-10	WZH810-15
830.0 1/4	WZQ830-50	WZQ830-75	WZQ830-10	WZQ830-15
830.0 1/2	WZH830-50	WZH830-75	WZH830-10	WZH830-15
1053.0 1/4	WZQ104-50	WZQ104-75	WZQ104-10	WZQ104-15
1053.0 1/2	WZH104-50	WZH104-75	WZH104-10	WZH104-15
1054.0 1/4	WZQ105-50	WZQ105-75	WZQ105-10	WZQ105-15
1054.0 1/2	WZH105-50	WZH105-75	WZH105-10	WZH105-15
1064.1 1/4	WZQ106-50	WZQ106-75	WZQ106-10	WZQ106-15
1064.1 1/2	WZH106-50	WZH106-75	WZH106-10	WZH106-15
1319.0 1/4	WZQ132-50	WZQ132-75	WZQ132-10	WZQ132-15
1319.0 1/2	WZH132-50	WZH132-75	WZH132-10	WZH132-15
1550.0 1/4	WZQ155-50	WZQ155-75	WZQ155-10	WZQ155-15
1550.0 1/2	WZH155-50	WZH155-75	WZH155-10	WZH155-15
2100.0 1/4	WZQ210-50	WZQ210-75	WZQ210-10	WZQ210-15
2100.0 1/2	WZH210-50	WZH210-75	WZH210-10	WZH210-15

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