

## Fitting guidelines for contact lenses for presbyopia with afocal design

### Fitting

#### Step 1

Start with a new refraction

#### Step 2

Select the prescription based on spherical equivalent

#### Step 3

Select the lenses according to prescription and patient age based on Focal Equivalent conversion table

#### Step 4

Wait 5 minutes and assessing vision

### If fine tuning is needed

#### Improve far vision

With both eyes open (binocular vision) add -0.25D with hand-held trial lenses on each eye alternately.

Ask wearer which over-refraction improves binocular distance vision.

Change contact lens accordingly (using Focal Equivalent-0.25D)

#### Improve near vision

With far vision optotype and both eyes open (binocular vision), add +0.25D with hand-held trial lenses on each eye alternately.

Ask wearer which over-refraction is less blurring.

Change contact lens accordingly (Focal Equivalent+0.25D)

### Tips

Objective initial refraction is preferred (Auto-refractor or Retinoscopy)

For near vision assesment try with mobile phone or other real life situation of the wearer (newspaper, book, etc.)

Afocal lenses for presbyopia can be used in wearers with LOW to MEDIUM astigmatism

Vision assesment must be performed with binocular vision

- Clear vision at far, intermediate and, most importantly, reading
- Stable images with sharp and defined edges in any light condition
- Quick and easy fitting
- Wearers immediate response
- Easy fit opportunity for new contact lens wearers



## Focal Equivalent conversion table

Ref.	Vertex 12mm	AGE									
		40-42	43-45	46-47	48-50	51-52	53-55	56-57	58-60	61-63	64-66*
+0.25	+0.25	+0.75	+0.75	+1.00	+1.00	+1.25	+1.25	+1.50	+1.50	+1.75	+1.75
+0.50	+0.50	+1.00	+1.00	+1.25	+1.25	+1.50	+1.50	+1.75	+1.75	+2.00	+2.00
+0.75	+0.75	+1.25	+1.25	+1.50	+1.50	+1.75	+1.75	+2.00	+2.00	+2.25	+2.25
+1.00	+1.00	+1.50	+1.50	+1.75	+1.75	+2.00	+2.00	+2.25	+2.25	+2.50	+2.50
+1.25	+1.25	+1.75	+1.75	+2.00	+2.00	+2.25	+2.25	+2.50	+2.50	+2.75	+2.75
+1.50	+1.50	+2.00	+2.00	+2.25	+2.25	+2.50	+2.50	+2.75	+2.75	+3.00	+3.00
+1.75	+1.75	+2.25	+2.25	+2.50	+2.50	+2.75	+2.75	+3.00	+3.00	+3.25	+3.25
+2.00	+2.00	+2.50	+2.50	+2.75	+2.75	+3.00	+3.00	+3.25	+3.25	+3.50	+3.50
+2.25	+2.25	+2.75	+2.75	+3.00	+3.00	+3.25	+3.25	+3.50	+3.50	+3.75	+3.75
+2.50	+2.50	+3.00	+3.00	+3.25	+3.25	+3.50	+3.50	+3.75	+3.75	+4.00	+4.00
+2.75	+2.75	+3.25	+3.25	+3.50	+3.50	+3.75	+3.75	+4.00	+4.00	+4.25	+4.25
+3.00	+3.00	+3.50	+3.50	+3.75	+3.75	+4.00	+4.00	+4.25	+4.25	+4.50	+4.50
+3.25	+3.25	+3.75	+3.75	+4.00	+4.00	+4.25	+4.25	+4.50	+4.50	+4.75	+4.75
+3.50	+3.50	+4.00	+4.00	+4.25	+4.25	+4.50	+4.50	+4.75	+4.75	+5.00	+5.00
+3.75	+3.75	+4.25	+4.25	+4.50	+4.50	+4.75	+4.75	+5.00	+5.00	+5.25	+5.25
+4.00	+4.25	+4.75	+4.75	+5.00	+5.00	+5.25	+5.25	+5.50	+5.50	+5.75	+5.75
+4.25	+4.50	+5.00	+5.00	+5.25	+5.25	+5.50	+5.50	+5.75	+5.75	+6.00	+6.00
+4.50	+4.75	+5.25	+5.25	+5.50	+5.50	+5.75	+5.75	+6.00	+6.00	+6.00	+6.50
+4.75	+5.00	+5.50	+5.50	+5.75	+5.75	+6.00	+6.00	+6.00	+6.50	+6.50	+6.50
+5.00	+5.25	+5.75	+5.75	+6.00	+6.00	+6.00	+6.50	+6.50	+6.50	+6.50	+7.00
+5.25	+5.62	+6.00	+6.00	+6.00	+6.50	+6.50	+6.50	+7.00	+7.00	+7.00	+7.00
+5.50	+5.87	+6.00	+6.50	+6.50	+6.50	+7.00	+7.00	+7.00	+7.00	+7.00	+7.50
+5.75	+6.12	+6.50	+6.50	+6.50	+7.00	+7.00	+7.00	+7.00	+7.50	+7.50	+7.50
+6.00	+6.50	+7.00	+7.00	+7.00	+7.50	+7.50	+7.50	+7.50	+8.00	+8.00	+8.00
+6.25	+6.75	+7.00	+7.50	+7.50	+7.50	+7.50	+8.00	+8.00	+8.00	+8.00	
+6.50	+7.00	+7.50	+7.50	+7.50	+8.00	+8.00	+8.00	+8.00			
+6.75	+7.37	+7.50	+8.00	+8.00	+8.00	+8.00					
+7.00	+7.62	+8.00	+8.00	+8.00							

\*For patients older than 66 y.o. use the 64-66 column

Ref.	Vertex 12mm	AGE									
		40-42	43-45	46-47	48-50	51-52	53-55	56-57	58-60	61-63	64-66*
-0.00	-0.00	+0.50	+0.50	+0.75	+0.75	+1.00	+1.00	+1.25	+1.25	+1.50	+1.50
-0.25	-0.25	+0.25	+0.25	+0.50	+0.50	+0.75	+0.75	+1.00	+1.00	+1.25	+1.25
-0.50	-0.50	-0.00	-0.00	+0.25	+0.25	+0.50	+0.50	+0.75	+0.75	+1.00	+1.00
-0.75	-0.75	-0.25	-0.25	-0.00	-0.00	+0.25	+0.25	+0.50	+0.50	+0.75	+0.75
-1.00	-1.00	-0.50	-0.50	-0.25	-0.25	-0.00	-0.00	+0.25	+0.25	+0.50	+0.50
-1.25	-1.25	-0.75	-0.75	-0.50	-0.50	-0.25	-0.25	-0.00	-0.00	+0.25	+0.25
-1.50	-1.50	-1.00	-1.00	-0.75	-0.75	-0.50	-0.50	-0.25	-0.25	-0.00	-0.00
-1.75	-1.75	-1.25	-1.25	-1.00	-1.00	-0.75	-0.75	-0.50	-0.50	-0.25	-0.25
-2.00	-2.00	-1.50	-1.50	-1.25	-1.25	-1.00	-1.00	-0.75	-0.75	-0.50	-0.50
-2.25	-2.25	-1.75	-1.75	-1.50	-1.50	-1.25	-1.25	-1.00	-1.00	-0.75	-0.75
-2.50	-2.50	-2.00	-2.00	-1.75	-1.75	-1.50	-1.50	-1.25	-1.25	-1.00	-1.00
-2.75	-2.75	-2.25	-2.25	-2.00	-2.00	-1.75	-1.75	-1.50	-1.50	-1.25	-1.25
-3.00	-3.00	-2.50	-2.50	-2.25	-2.25	-2.00	-2.00	-1.75	-1.75	-1.50	-1.50
-3.25	-3.25	-2.75	-2.75	-2.50	-2.50	-2.25	-2.25	-2.00	-2.00	-1.75	-1.75
-3.50	-3.50	-3.00	-3.00	-2.75	-2.75	-2.50	-2.50	-2.25	-2.25	-2.00	-2.00
-3.75	-3.75	-3.25	-3.25	-3.00	-3.00	-2.75	-2.75	-2.50	-2.50	-2.25	-2.25
-4.00	-3.87	-3.50	-3.25	-3.25	-3.00	-3.00	-2.75	-2.75	-2.50	-2.50	-2.25
-4.25	-4.00	-3.50	-3.50	-3.25	-3.25	-3.00	-3.00	-2.75	-2.75	-2.50	-2.50
-4.50	-4.25	-3.75	-3.75	-3.50	-3.50	-3.25	-3.25	-3.00	-3.00	-2.75	-2.75
-4.75	-4.50	-4.00	-4.00	-3.75	-3.75	-3.50	-3.50	-3.25	-3.25	-3.00	-3.00
-5.00	-4.75	-4.25	-4.25	-4.00	-4.00	-3.75	-3.75	-3.50	-3.50	-3.25	-3.25
-5.25	-5.00	-4.50	-4.50	-4.25	-4.25	-4.00	-4.00	-3.75	-3.75	-3.50	-3.50
-5.50	-5.12	-4.75	-4.50	-4.50	-4.25	-4.25	-4.00	-4.00	-3.75	-3.75	-3.50
-5.75	-5.37	-5.00	-4.75	-4.75	-4.50	-4.50	-4.25	-4.25	-4.00	-4.00	-3.75
-6.00	-5.62	-5.25	-5.00	-5.00	-4.75	-4.75	-4.50	-4.50	-4.25	-4.25	-4.00
-6.50	-6.00	-5.50	-5.50	-5.25	-5.25	-5.00	-5.00	-4.75	-4.75	-4.50	-4.50
-7.00	-6.50	-6.00	-6.00	-5.75	-5.75	-5.50	-5.50	-5.25	-5.25	-5.00	-5.00
-7.50	-6.87	-6.50	-6.50	-6.00	-6.00	-6.00	-5.75	-5.75	-5.50	-5.50	-5.25
-8.00	-7.25	-7.00	-6.50	-6.50	-6.50	-6.50	-6.00	-6.00	-6.00	-5.75	-5.75
-8.50	-7.75	-7.50	-7.00	-7.00	-7.00	-7.00	-6.50	-6.50	-6.50	-6.50	-6.00
-9.00	-8.12	-7.50	-7.50	-7.50	-7.50	-7.00	-7.00	-7.00	-7.00	-7.00	-6.50
-9.50	-8.50	-8.00	-8.00	-8.00	-7.50	-7.50	-7.50	-7.50	-7.50	-7.50	-7.00
-10.00	-8.87	-8.50	-8.50	-8.00	-8.00	-8.00	-8.00	-8.00	-8.00	-7.50	-7.50
-10.50	-9.37	-9.00	-9.00	-8.50	-8.50	-8.50	-8.50	-8.50	-8.50	-8.00	-8.00
-11.00	-9.75	-9.50	-9.00	-9.00	-9.00	-9.00	-8.50	-8.50	-8.50	-8.50	-8.50
-11.50	-10.12	-9.50	-9.50	-9.50	-9.50	-9.00	-9.00	-9.00	-9.00	-9.00	-8.50
-12.00	-10.50	-10.00	-10.00	-10.00	-9.50	-9.50	-9.50	-9.50	-9.00	-9.00	-9.00
-12.50	-11.01					-10.00	-10.00	-10.00	-10.00	-9.50	-9.50
-13.00	-11.25						-10.00	-10.00	-10.00	-10.00	-9.50
-13.50	-11.62									-10.00	-10.00

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