

Entering Target power to determine BC

- Over target → default +1.00 → Optional to change
- Tear reservoir → default 0.01mm → Optional to change a little.
- Enter Target power (maximum -6.00), Lens size, OZ (values suggested to the right)
- Enter suggested Base curve, BC (suggested value shows in column E)

I-Design Ortho-K Tool		mm vs. D	
QD	ENTER Value	D	mm vs. D
Flat K	44.00	7.67	
Steep K	45.00 (Optional)	7.50	
Rx Sph	-5.00	S.E	-5.50
Rx Cyl	-1.00	Extra	1.4333 (index)
HVID	11.80 (Optional)		Default 0.5
Corneal e	0.50	microns	adjust sag
Conform			
Lens specs		Reference	Suggested
Lens type	V3	V3 GP	
Target power	-5.50	non-Vertex	-5.50
Over target	1.00		0 - +1.00
Tear reservoir	0.01		0 - 0.02
Lens diameter	11.0	8.8	11.0
OZ (zone width)	6.0	mm	5.0 - 6.2
BC	8.50		8.80
Lens power	1.00		1.00
C.T.	0.20		0.2 - 0.26
FZ (Zone width)	PC	mm	(0.4 - 1.0)
AZ1 (Zone width)	PC	mm	(0.4 - 1.0)
FZ (Zone width)	AC1	mm	(0.4 - 0.6)
PC	mm	100-120 microns	
Edge thickness	0.12		(0.12 - 0.16)

Tear profile and lens graph

I-Design Ortho-K Tool		mm vs. D	
QD	ENTER Value	D	mm vs. D
Flat K	44.00	7.67	
Steep K	45.00 (Optional)	7.50	
Rx Sph	-5.00	S.E	-5.50
Rx Cyl	-1.00	Extra	1.4333 (index)
HVID	11.80 (Optional)		Default 0.5
Corneal e	0.50	microns	adjust sag
Conform			
Lens specs		Reference	Suggested
Lens type	V3	V3 GP	
Target power	-5.50	non-Vertex	-5.50
Over target	1.00		0 - +1.00
Tear reservoir	0.01		0 - 0.02
Lens diameter	11.0	8.8	11.0
OZ (zone width)	6.0	mm	5.0 - 6.2
BC	8.50		8.80
Lens power	1.00		1.00
C.T.	0.20		0.2 - 0.26
FZ (Zone width)	PC	mm	(0.4 - 1.0)
AZ1 (Zone width)	PC	mm	(0.4 - 1.0)
FZ (Zone width)	AC1	mm	(0.4 - 0.6)
PC	mm	100-120 microns	
Edge thickness	0.12		(0.12 - 0.16)

Fine Tuning Fitting Curve by Tear Profile

I-Design Ortho-K Tool		mm vs. D	
QD	ENTER Value	D	mm vs. D
Flat K	44.00	7.67	
Steep K	45.00 (Optional)	7.50	
Rx Sph	-5.00	S.E	-5.50
Rx Cyl	-1.00	Extra	1.4333 (index)
HVID	11.80 (Optional)		Default 0.5
Corneal e	0.50	microns	adjust sag
Conform			
Lens specs		Reference	Suggested
Lens type	V3	V3 GP	
Target power	-5.50	non-Vertex	-5.50
Over target	1.00		0 - +1.00
Tear reservoir	0.01		0 - 0.02
Lens diameter	11.0	8.8	11.0
OZ (zone width)	6.0	mm	5.0 - 6.2
BC	8.50		8.80
Lens power	1.00		1.00
C.T.	0.20		0.2 - 0.26
FZ (Zone width)	PC	mm	(0.4 - 1.0)
AZ1 (Zone width)	PC	mm	(0.4 - 1.0)
FZ (Zone width)	AC1	mm	(0.4 - 0.6)
PC	mm	100-120 microns	
Edge thickness	0.12		(0.12 - 0.16)

FC 6.50 is closer but still has Tear thickness → 0.0225mm

I-Design Ortho-K Tool			
OD	ENTER Value	D	mm vs. D
Flat K	44.00	7.87	
Steep K	45.00 (Optional)	7.50	
Rx Sph	-5.00	S.E. -5.00	
Rx Cyl	-1.00	Extra 1.4333	
HVID	11.80 (Optional)	(index)	
Corneal e	0.50	Default 0.5	
Conform		adjust sag	
Lens specs			
Lens type	V2	non-Vertex	V3 GP
Target power	-5.50		-5.50
Over target	1.00		0 - +1.00
Tear reservoir	0.01		0 - 0.02
Lens diameter	11.0	11.0	11.0
OZ (zone width)	6.0	mm 5.0 - 6.2	
BC	8.80	mm 8.80	
Lens power	1.00	mm 1.00	
C.T.	0.20	mm 0.2 - 0.26	
FZ (Zone width)	0.6	mm (0.4 - 1.0)	
FC	6.50	mm 6.9275 (FZ bearing)	
AZ1 (Zone width)	1.5	mm 1.5	
AC1		(0.4 - 0.6)	
PZ (Zone width)	0.4	mm (0.4 - 0.6)	
PC		mm 100-120 microns	
Edge thickness	0.12	mm (0.12 - 0.16)	



**FC=6.22 → +0.0004 sag is the closest;
FC=6.21 → -0.0004 → Slightly too steep**

I-Design Ortho-K Tool			
OD	ENTER Value	D	mm vs. D
Flat K	44.00	7.87	
Steep K	45.00 (Optional)	7.50	
Rx Sph	-5.00	S.E. -5.00	
Rx Cyl	-1.00	Extra 1.4333	
HVID	11.80 (Optional)	(index)	
Corneal e	0.50	Default 0.5	
Conform		adjust sag	
Lens specs			
Lens type	V2	non-Vertex	V3 GP
Target power	-5.50		-5.50
Over target	1.00		0 - +1.00
Tear reservoir	0.01		0 - 0.02
Lens diameter	11.0	11.0	11.0
OZ (zone width)	6.0	mm 5.0 - 6.2	
BC	8.80	mm 8.80	
Lens power	1.00	mm 1.00	
C.T.	0.20	mm 0.2 - 0.26	
FZ (Zone width)	0.6	mm (0.4 - 1.0)	
FC	6.21	mm 6.9275 (FZ bearing)	
AZ1 (Zone width)	1.5	mm 1.5	
AC1		(0.4 - 0.6)	
PZ (Zone width)	0.4	mm (0.4 - 0.6)	
PC		mm 100-120 microns	
Edge thickness	0.12	mm (0.12 - 0.16)	



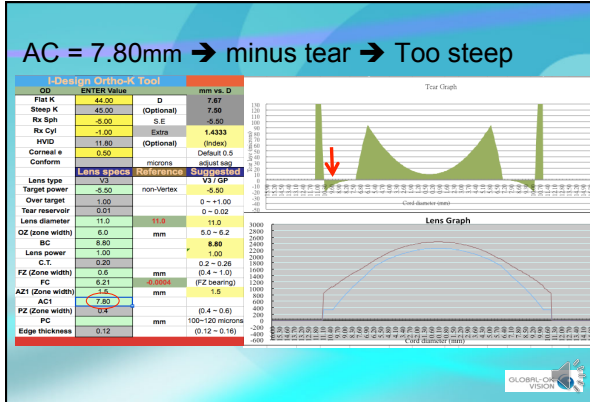
Fine Tuning Alignment Curve

- PZ is set default 0.4mm (If changing PZ, the AZ will alter.)
- AZ1 is the remaining zone and is suggested 1.5 mm (OAD=11mm=OZ 6mm+ 2*(FZ 0.6mm)+2*(AZ 1.5mm)+2*(PZ 0.4mm)

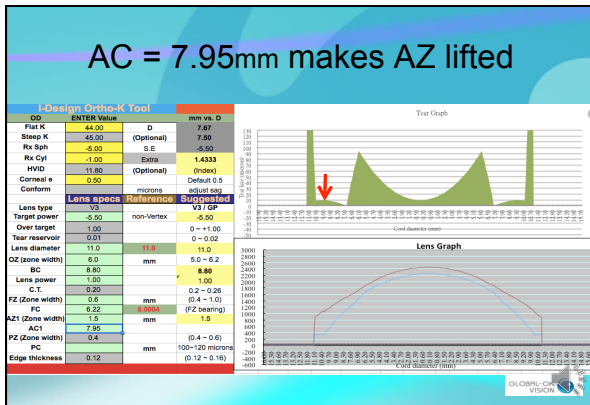
I-Design Ortho-K Tool			
OD	ENTER Value	D	mm vs. D
Flat K	44.00	7.87	
Steep K	45.00 (Optional)	7.50	
Rx Sph	-5.00	S.E. -5.00	
Rx Cyl	-1.00	Extra 1.4333	
HVID	11.80 (Optional)	(index)	
Corneal e	0.50	Default 0.5	
Conform		adjust sag	
Lens specs			
Lens type	V2	non-Vertex	V3 GP
Target power	-5.50		-5.50
Over target	1.00		0 - +1.00
Tear reservoir	0.01		0 - 0.02
Lens diameter	11.0	11.0	11.0
OZ (zone width)	6.0	mm 5.0 - 6.2	
BC	8.80	mm 8.80	
Lens power	1.00	mm 1.00	
C.T.	0.20	mm 0.2 - 0.26	
FZ (Zone width)	0.6	mm (0.4 - 1.0)	
FC	6.21	mm 6.9275 (FZ bearing)	
AZ1 (Zone width)	1.5	mm 1.5	
AC1		(0.4 - 0.6)	
PZ (Zone width)	0.4	mm (0.4 - 0.6)	
PC		mm 100-120 microns	
Edge thickness	0.12	mm (0.12 - 0.16)	



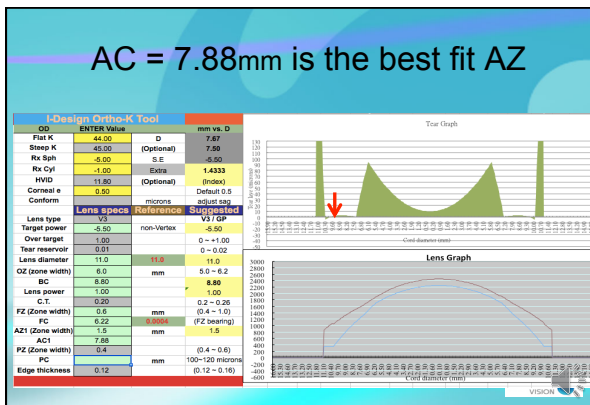
AC = 7.80mm → minus tear → Too steep



AC = 7.95mm makes AZ lifted



AC = 7.88mm is the best fit AZ



Complete the lens Play PC for an edge lift of 100~120 microns

QD:	ENTER Value	D	mm vs. D
Flat K	44.00	7.47	
Steep K	45.00 (Optional)	7.50	
Rx Sph	-5.00	5.00	
Rx Cyl	-1.00 Extra	1.4333	
HVID	11.80 (Optional)	Default 0.5	
Corneal μ	0.50	Default 0.5	
Conform		microns	
VZ		VZ GP	
Lens type			
Target power	-5.50	non-Vertex	-5.50
Over target	1.00	0 ~ +1.00	
Tear reservoir	0.01	0 ~ 0.02	
Lens diameter	11.0	11.0	1000
OC (zone width)	6.0	mm	5.0 ~ 6.2
BC	8.80	8.80	2000
Lens power	1.00	1.00	2000
C.T.	0.200	0.2 ~ 0.26	1500
FZ (zone width)	0.6	mm	(0.4 ~ 1.0)
PC	6.22	single (FZ bearing)	1000
AZ1 (zone width)	1.5	mm	1000
AC1	7.88		400
PC	0.4	(0.4 ~ 0.6)	400
PC	10.30	mm	100~120 microns
Edge thickness	0.12	(0.12 ~ 0.16)	400



Upload orders in Order form

REF	Refers to	Order ref	Material	Order	Eye	Lens type	Flat K	Steep K	Target power	DAD	Lens power per lens	BC	OC	WOC	CI	PC	FZ	AC1	AZ1	AC2	AC3	PC	FZ	Edge
0001		000021242	Extra	OS	VZ	44.00	45.00	7.47	-5.50	104	1.00	11.400	8.8	0.2	0.22	0.4	7.88	1.2	0.00	0.8	10.0	0.4	0.12	

- Scroll up to top, you will find a line of lens design.
- Copy it and paste in [order form](#). Fill in the patient name and material color
- Adding all lenses to be ordered and upload the finished [order form](#) online at www.global-ok.com



Order I-Design lenses



