## *X-Cel Thin™ Fitting System*

| **Step 1**<br>Select Base Curve* | **Corneal Cylinder** | **Base Curve** | | |
|---|---|---|---|---|
| | Plano to -1.00D | On Flat K | | |
| | 1.12D to -1.50D | 0.25D steeper than Flat K | | |
| | 1.62D to 2.00D | 0.50D steeper than Flat K | | |
| | 2.00D to 2.50D | 0.75D steeper than Flat K | | |
| | 2.75D or more | Discuss with Consultant | | |
| **Step 2**<br>Choose Diameter | **Base Curve** | **Diameter** | | |
| | | **Small** | **Recommended** | **Large** |
| | 7.10 to 7.38mm | 8.7mm | 9.0mm | 9.3mm |
| | 7.42 to 8.08mm | 9.0mm | 9.3mm | 9.6mm |
| | 8.13 to 8.49mm | 9.3mm | 9.6mm | 9.9mm |
| **Step 3**<br>Determine Power | Determine the lens power to be ordered. First, vertex the distance power of the spectacle prescription to the corneal plane, if necessary.<br><br>Next adjust for tear layer effects depending on the base curve selected. When fitting steeper than K, compensate for the tear layer effect with minus power. When fitting flatter than K, compensate for the tear layer effect with plus power. | | | |
| This nomogram is based on using the recommended diameter.<br><br>*Smaller diameter – fit 0.25D steeper<br>* Large diameter – fit 0.25D flatter | | | | |

## *X-Cel Thin™ Problem Solving Grid*

| | | |
|---|---|---|
| **Lens Riding High** | Steepen Base Curve by .50D | |
| | Reduce Diameter by .3 mm | |
| **Lens Riding Low** | Movement with Blink | Steepen Base Curve by .50D |
| | | Increase Diameter by .3 mm |
| | No Movement | Flatten Base Curve by .50D |
| | | Decrease Diameter by .3 mm |
| **Excessive Movement** | Steepen Base Curve by .50D | |
| | Increase Diameter by .3 mm | |
| **Restricted Movement** | Flatten Base Curve by .50D | |
| | Decrease Diameter by .3 mm | |
| **Bubbles** | Centrally | Flatten Base Curve by .50D |
| | | Decrease Diameter by .3 mm |
| | Peripherally | Increase Diameter by .3mm |
| **Surface Non Wetting** | New Lens | Clean Lens |
| | | Change Material |
| | Older Lens | Clean Lens |
| | | Order New Lens |
| **Too Much Edge Lift** | Increase Diameter by .3 mm | |
| **Not Enough Edge Lift** | Decrease Diameter by .3 mm | |