

## Radius to Diopter Conversion

| mm   | Diopt | mm   | Diopt | mm   | Diopt | mm   | Diopt |
|------|-------|------|-------|------|-------|------|-------|
| 5.00 | 67.50 | 6.25 | 54.00 | 7.50 | 45.00 | 8.75 | 38.57 |
| 5.05 | 66.83 | 6.30 | 53.57 | 7.55 | 44.70 | 8.80 | 38.35 |
| 5.10 | 66.18 | 6.35 | 53.15 | 7.60 | 44.41 | 8.85 | 38.14 |
| 5.15 | 65.53 | 6.40 | 52.73 | 7.65 | 44.12 | 8.90 | 37.92 |
| 5.20 | 64.90 | 6.45 | 52.33 | 7.70 | 43.83 | 8.95 | 37.71 |
| 5.25 | 64.29 | 6.50 | 51.92 | 7.75 | 43.55 | 9.00 | 37.50 |
| 5.30 | 63.68 | 6.55 | 51.53 | 7.80 | 43.27 | 9.05 | 37.29 |
| 5.35 | 63.08 | 6.60 | 51.14 | 7.85 | 42.99 | 9.10 | 37.09 |
| 5.40 | 62.50 | 6.65 | 50.75 | 7.90 | 42.72 | 9.15 | 36.89 |
| 5.45 | 61.93 | 6.70 | 50.37 | 7.95 | 42.45 | 9.20 | 36.68 |
| 5.50 | 61.36 | 6.75 | 50.00 | 8.00 | 42.19 | 9.25 | 36.49 |
| 5.55 | 60.81 | 6.80 | 49.63 | 8.05 | 41.93 | 9.30 | 36.29 |
| 5.60 | 60.27 | 6.85 | 49.27 | 8.10 | 41.67 | 9.35 | 36.10 |
| 5.65 | 59.73 | 6.90 | 48.91 | 8.15 | 41.41 | 9.40 | 35.90 |
| 5.70 | 59.21 | 6.95 | 48.56 | 8.20 | 41.16 | 9.45 | 35.71 |
| 5.75 | 58.70 | 7.00 | 48.21 | 8.25 | 40.91 | 9.50 | 35.53 |
| 5.80 | 58.19 | 7.05 | 47.87 | 8.30 | 40.66 | 9.55 | 35.34 |
| 5.85 | 57.69 | 7.10 | 47.54 | 8.35 | 40.42 | 9.60 | 35.16 |
| 5.90 | 57.20 | 7.15 | 47.20 | 8.40 | 40.18 | 9.65 | 34.97 |
| 5.95 | 56.72 | 7.20 | 46.87 | 8.45 | 39.94 | 9.70 | 34.79 |
| 6.00 | 56.25 | 7.25 | 46.55 | 8.50 | 39.71 | 9.75 | 34.62 |
| 6.05 | 55.79 | 7.30 | 46.23 | 8.55 | 39.47 | 9.80 | 34.44 |
| 6.10 | 55.33 | 7.35 | 45.92 | 8.60 | 39.24 | 9.85 | 34.26 |
| 6.15 | 54.88 | 7.40 | 45.61 | 8.65 | 39.02 | 9.90 | 34.09 |
| 6.20 | 54.44 | 7.45 | 45.30 | 8.70 | 38.79 | 9.95 | 33.92 |

**APPROXIMATION: 0.1MM ALTERATION = 0.50D TEAR LENS CHANGE**

(Chart shown is for cornea of  $n=1.3375$ ) FORMULA:  $D = ((n-1) \times 100 / r)$