

line of intersection and thereby heavier to restrain the lens from rotating on the cornea and to effect substantially constant position of said lower optical zone below said upper optical zone.

3. A bi-focal corneal contact lens of generally concavo-convex cross section adapted to be retained on the cornea of the eye by capillary attraction produced by a lachrymal layer between the lens and the cornea, said lens having a posterior surface curved to fit the cornea of a patient to which the lens is applied with a tendency to remain centered thereon, said lens having a maximum external dimension greater than the normal pupil size and less than the limbal area of the eye, said lens having an upper optical zone and a lower optical zone, said upper optical zone being powered on the anterior surface for distance vision thereof with respect to the cornea of the patient, said lower optical zone being powered also on the anterior surface thereof for near vision with respect to such cornea, the anterior surface of said upper optical zone having a radius of curvature flatter than the radius of curvature of the anterior surface of said lower optical zone to provide the respective distance and near vision powers, with the center of curvature of the anterior surface of said upper optical zone being displaced downwardly relative to the axis of the lens and the curvature itself lying within the spherical extension of the anterior surface of said lower optical zone, the line of intersection of the two anterior curves on the vertical center line of the lens being below the midpoint of said center line, the

thickest portion of said lens being below said line of intersection and thereby heavier to restrain the lens from rotating on the cornea and to effect substantially constant positioning of said lower optical zone below said upper optical zone.

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