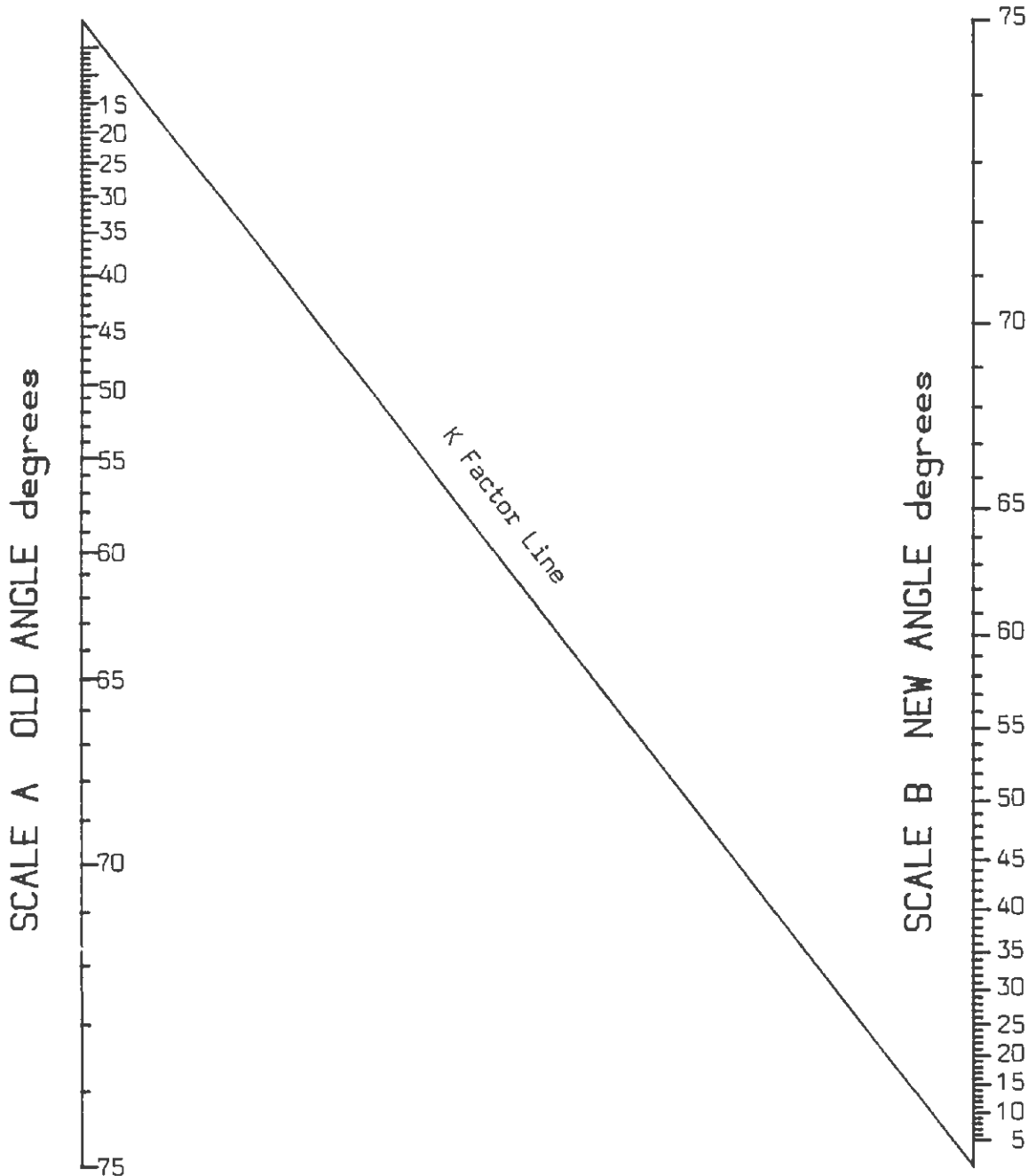


TANGENT RATIO CONVERSION NOMOGRAPH

NOTE: This NOMOGRAPH (Alignment Chart) is a graphical solution to the TANGENT RATIO angle translation relationship derived by Long and Steele in FACET DESIGN Volume 1.



To translate angle appropriate to one design angle from another design angle : (1) Connect the old design angle on SCALE A to the new design angle on SCALE B (a transparent straight edge is a convenient tool for this purpose) (2) Find the point on the K Factor line that is intersected by this straight line (3) Use this point as a pivot ...any straight line that passes thru the pivot point will connect an angle on SCALE A with its equivalent translated angle on SCALE B