

TECHNICAL PROFILE

Glen-Gery Brick
Brickwork Design Services
P.O. Box 7001, 1166 Spring St.
Wyomissing PA 19610-6001
610/374-4011



8403 1

CIRCULAR ARCHES USING STANDARD BRICK

As an economy measure, some designers attempt to use rectangular brick units in an arch by varying the width of the mortar joints. The graph below can be used to determine the size of the joint for any radius, or to determine the required radius for any joint size. The graph is based on a nominal 3/8" joint (at the bottom of the arch).

In our opinion, if the K dimension exceeds 1/2", the appearance of the arch will be very unprofessional. We suggest for standard size brick, use a radius of 14' or larger, or else use arch-brick units. However, the character of the brick and the desired aesthetic will determine this limit for each project.