

TABLE APPLIES TO 3" THICK BRICK ONLY
 HEIGHT OF BRICK IN FT. THAT AN ANGLE CAN SUPPORT FOR DIFFERENT SPANS OR OPENINGS

HOR. LEG (in.)	ANGLE SIZE	(in.)	ANGLE SPAN IN FEET											
			3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	14'	16'
3 1/2	3	x 3 1/2 x 1/4	31	17	8	4	3	2						
	3	x 3 1/2 x 5/16		21	10	6	3	2						
3 1/2	3	x 3 1/2 x 3/8			12	7	4	3	2					
	3 1/2	x 3 1/2 x 1/4			13	7	4	3	2					
3 1/2	3 1/2	x 3 1/2 x 5/16			16	9	6	4	2					
	3 1/2	x 3 1/2 x 3/8			16	10	6	4	3	2				
4	4	x 3 1/2 x 1/4			19	11	7	4	3	2				
	4	x 3 1/2 x 5/16			24	14	8	5	4	2	2			
4	4	x 3 1/2 x 3/8				16	10	6	4	3	2			
	4	x 3 1/2 x 7/16				18	11	7	5	3	2	2		
4	4	x4 x7/16				19	12	8	5	3	2	2		
	4	x4 x1/2				21	13	9	6	4	3	2		
3 1/2	5	x 3 1/2 x 1/4					13	8	6	4	3	2		
	5	x 3 1/2 x 5/16					16	10	7	5	4	3	1	1
3 1/2	5	x 3 1/2 x 7/16					21	14	10	7	5	4	1	1
	5	x 3 1/2 x 1/2						16	11	8	6	4	2	1
3 1/2	6	x 3 1/2 x 1/4						14	10	7	5	4	2	1
	6	x 3 1/2 x 5/16						17	12	9	6	5	3	1
4	6	x 3 1/2 x 3/8						21	14	10	7	6	3	2
	6	x 3 1/2 x 1/2						27	19	13	10	7	3	2
4	6	x4 x1/4						15	10	7	5	4	3	2
	6	x4 x5/16						18	13	9	7	5	3	2
4	6	x4 x3/8						22	15	11	8	6	3	2
	6	x4 x7/16						25	17	12	9	7	3	2
4	6	x4 x1/2						28	20	14	10	8	4	2
	7	x4 x3/8											6	3
4	7	x4 x1/2											7	4
	8	x4 x1/2											11	6

- 1) This table indicates what height of brick can be supported
- 2) The angles are designed to limit the bending stress $F_b = 22,000$ psi ASTM A36 steel
- 3) Maximum deflection limited to $L/600$
- 4) Lateral support assumed in all cases
- 5) For angles not laterally supported, allowable load must be reduced
- 6) For angles subjected to torsion make special investigation
- 7) Table produced per Brick Institute of America Technical Note 31B