

3900 Dr. Greaves Rd.

Kansas City, MO 64030

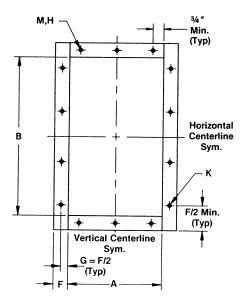
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STANDARD BOLT HOLE PATTERN DATA

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SQUARE AND RECTANGULAR DAMPERS

- F = 2" Standard (1¹/2" 3" Optional)
- H = No. of Bolt Holes (6" Center to Center)
- K = No. of Bolt Holes (6" Center to Center)
- M = Hole Dimension (7/16" Diameter Standard)

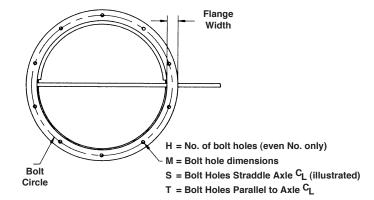
NOTES:

① When H or K are one hole, locate hole on centerline.

@ To calculate "H" & "K" on damper with standard construction (2" flanges): "H" = $\frac{A-1.5}{6}$ "K" = $\frac{B+2}{6}$

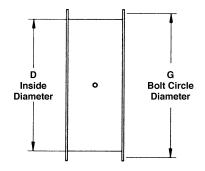
Drop any decimal and add one (1) to determine number of holes.

ROUND DAMPERS



Standard Bolt Circle = Damper Diameter + Flange Width + 1/4".

| DAMPER DIA. | | H | H | DEGREES |
|-------------|---------|-----------------|--|------------------|
| ABOVE | THROUGH | NO. OF HOLES | HOLE/SLOT DIMENSIONS | BETWEEN HOLES |
| 4" & above | 6" | 4 | 3/8" | 90 |
| 6" | 10" | 6 | 3/8" | 60 |
| 10" | 14" | 8 | 3/8" | 45 |
| 14" | 20" | 10 | 3/8" x 1/2" | 36 |
| 20" | 28" | 12 | 3/8" x 1/2" | 30 |
| 28" | 36" | 16 | 3/8" x 1/2" | 221/2 |
| 36" | 42" | 18 | ⁹ /16" x ¹¹ /16" | 20 |
| 42" | 48" | 20 | ⁹ /16" x ¹¹ /16" | 18 |
| 48" | 58" | 24 | ⁹ /16" x ¹¹ /16" | 15 |
| 58" | 72" | 30 | ⁹ /16" x ¹¹ /16" | 12 |



Bolt hole pattern data shown on this sheet for square, rectangular, and round dampers indicates standard construction. When clearly specified, Ruskin can provide nonstandard bolt hole sizes and patterns to meet your varying requirements.