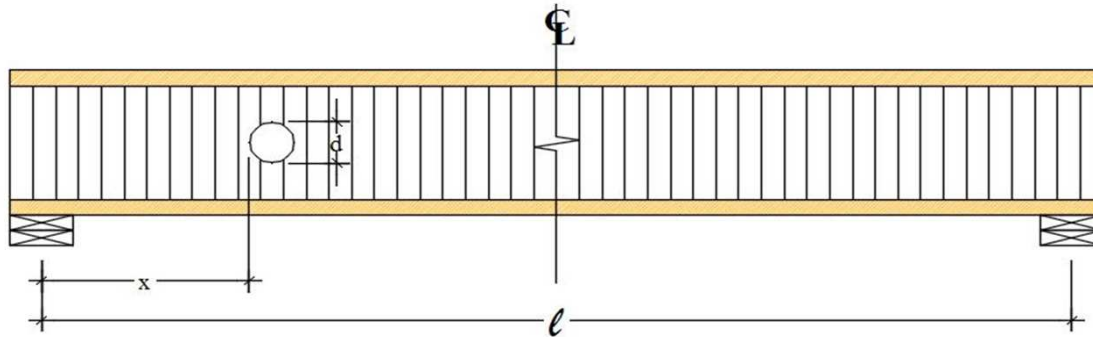


# HTS Beams by *Twin River Beam*

## Allowable Hole Locations



### Calculation to determine x

$$x = f * \ell / 2$$

#### Where:

- x = Minimum distance from center of bearing to center of hole
- f = Factor as per Hole Chart
- d = Diameter of hole
- $\ell$  = Length of span from center to center of bearing (inches)

### Example: 12.75" HTS24 Series Joist

d = Diameter of hole = 4"

$\ell$  = Length of Span 189 inches

$$x = (0.33 * 189 / 2) = 31.2"$$

#### HTS24 Series - Factor (f)

Depth	Hole Size (d)		
	2"	4"	6"
8 3/4"	0.1	0.24	N/A
10 3/4"	0.1	0.21	N/A
12 3/4"	0.16	0.33	0.42
14 3/4"	0.17	0.25	0.38
16 3/4"	0.22	0.24	0.36

#### HTS34 Series - Factor (f)

Depth	Hole Size (d)		
	2"	4"	6"
11.25"	0.1	0.24	N/A
13.25"	0.1	0.21	N/A
15.25"	0.16	0.33	0.42
17.25"	0.17	0.25	0.38
19.25"	0.22	0.24	0.36

#### HTS44 Series - Factor (f)

Depth	Hole Size (d)		
	2"	4"	6"
16"	0.1	0.21	N/A
18"	0.16	0.33	0.42
20"	0.17	0.25	0.38
22"	0.22	0.24	0.36

### Notes:

- 1) Distances in this table apply to uniformly loaded, simple span joists only.
- 2) All holes to be cut in the center of the web.
- 3) Holes to be cut with a hole saw to ensure a uniformly circular hole.
- 4) Only one hole allowed on either side of the center of the joist provided that if two holes are used, the nearest face of either hole must be a minimum distance of 1 1/2 times the diameter of the largest hole away from the centerline of the joist.
- 5) **Consult with Twin River Beam for hole sizes and locations that do not conform to the above tables.**

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