



Billboard Walkway Load/Deflection Table

Design Load 50 PSF

Or 500 lb. Concentrated Load

Maximum Deflection = L/240

Material - ISI FiberCAT Fiberglass Walkway Components

EI of Fiberglass Section is 28×10^6

Loading = 50 PSF ib 4' Wide Section = 200 lbs/ft.			
Span	Simple Span	2 Span	L/240
7'	.386"	.272"	.350"
8'	.658"	.464"	.400"
9'	1.054"	.744"	.450"

Cantilever	500 lbs Concentrated	50 PSF x 4ft Wide	L/240
2'	.411"	.156"	.200"
3'	1.018"	.570"	.300"
4'	1.975"	1.488"	.400"

6" Channel Bolted to Each F Section - Total EI = 81×10^6			
Cantilever	500 lbs Concentrated	50 PSF x 4ft Wide	L/240
2'	.146"	.054"	.200"
3'	.226"	.128"	.300"
4'	.441"	.322"	.400"

6" Splice Section Bolted to Each F Section - Total EI = 68×10^6			
Cantilever	500 lbs Concentrated	50 PSF x 4ft Wide	L/240
2'	.174"	.064"	.200"
3'	.269"	.153"	.300"
4'	.525"	.384"	.400"



Billboard Walkway Load/Deflection Table
(for 2ft and 3ft Wide Walkways)

Design Load 50 PSF
 Or 500 lb. Concentrated Load
 Maximum Deflection = L/240
 Material - ISI FiberCAT Fiberglass Walkway Components
 EI of Fiberglass Section is 28×10^6

Loading = 500lb Concentrated Load			
Span	Simple Span	2 Span	L/240
8'	.329"	.237"	.400"
9'	.469"	.338"	.450"
10'	.643"	.464"	.500"
11'	.856"	.617"	.550"
12'	1.110"	.800"	.600"

Loading = 50 PSF on 2ft Wide Section = 100 lbs/ft			
Span	Simple Span	2 Span	L/240
8'	.329"	.232"	.400"
9'	.527"	.372"	.450"
10'	.804"	.568"	.500"
11'	1.176"	.831"	.550"

Loading = 50 PSF on 3ft Wide Section = 150 lbs/ft			
Span	Simple Span	2 Span	L/240
8'	.494"	.349"	.400"
9'	.791"	.559"	.450"
10'	1.206"	.852"	.500"

Cantilever	500 lbs Concentrated	50 PSF x 2ft Wide	50 PSF x 3ft Wide	L/240
3'	1.018"	.285"	.427"	.300"
4'	1.975"	.724"	1.086"	.400"
5'	3.343"	1.511"	2.766"	.500"

6" Splice Section Bolted to Each F Section - Total EI = 68×10^6				
Cantilever	500 lbs Concentrated	50 PSF x 2ft Wide	50 PSF x 3ft Wide	L/240
3'	.226"	.064"	.095"	.300"
4'	.441"	.161"	.242"	.400"
5'	.745"	.337"	.616"	.500"