

Table E - Concentrated Load Deflection Tables for a Fixed-Fixed Span

Standard (Raised) Expanded Metal - Non Grating Product - (Ref. Table A)

Style		24-Inch Span	36-Inch Span
3/4#9	Concentrated Load Capacity (lbs./sq. ft.)	128	44
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
1-1/2#9	Concentrated Load Capacity (lbs./sq. ft.)	78	32
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
1-1/2#6	Concentrated Load Capacity (lbs./sq. ft.)	164	84
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25

Carbon Steel - Grating Product (Ref. Table D)

Style (lbs. per sq. ft)		24-Inch Span	36-Inch Span
2.0 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	201	73
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
3.0 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	274	126
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
3.14 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	340	117
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
4.0 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	468	201
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
4.27 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	419	196
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
5.0 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	526	250
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
6.25 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	684	331
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
7.0 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	758	338
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25

Aluminum - Grating Product (Ref. Table D)

Style (lbs. per sq. ft)		24-Inch Span	36-Inch Span
2.0 Lb.	Concentrated Load Capacity (lbs./sq. ft.)	320	136
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25