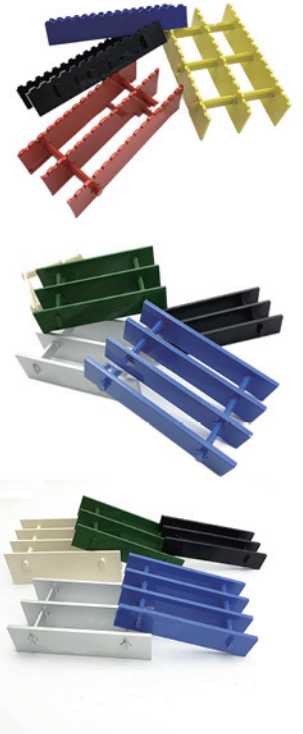


# Aluminum Grating Loading Table

Type	Loading Bar Spacing (mm)	Cross Bar Spacing (mm)	Mass kg/m <sup>2</sup>	Max Span at 4kpa deflection 5mm(mm)	Bearing Bar Size(mm)		SPAN 200	SPAN 350	SPAN 500	SPAN 650										
AE(20x5)	60	100	7.102	776	20x5	U	93.77	30.61	15.00	8.88	SPAN 800									
AEF(20x5)	60	50	8.652			D	0.51	1.56	3.20	5.42										
AC(20x5)	40	100	9.254	857	20x5	U	143.41	46.82	22.94	13.57	8.93									
ACF(20x5)	40	50	10.804			D	0.52	1.59	3.26	5.53		8.43								
AC(25x3)	40	100	7.371	893	25x3	U	134.45	43.90	21.21	12.72	8.40									
ACF(25x3)	40	50	8.921			D	0.42	1.28	2.61	4.42		6.71								
AE(25x5)	60	100	8.447	916	25x5	U	146.51	47.84	23.44	13.87	9.15									
AEF(25x5)	60	50	9.997			D	0.41	1.25	2.56	4.33		6.58								
AB(20x5)	30	100	11.406	920	20x5	U	187.54	61.23	30.05	17.78	SPAN 950									
ABF(20x5)	30	50	12.956			D	0.51	1.56	3.19	5.41		8.22								
AB(25x3)	30	100	8.985	958	25x3	U	175.82	57.41	28.13	16.64	10.98	7.79								
ABF(25x3)	30	50	10.535			D	0.41	1.25	2.56	4.33			6.58	9.31						
AC(25x5)	40	100	11.137	1012	25x5	U	224.08	71.93	35.85	21.21	14.00	9.93								
ACF(25x5)	40	50	12.687			D	0.42	1.28	2.61	4.41			6.70	9.49						
AC(32x3)	40	100	8.953	1073	32x3	U	220.28	71.93	35.24	20.85	13.76	9.76								
ACF(32x3)	40	50	10.502			D	0.32	1.00	2.04	3.45			5.23	7.4						
AB(25x5)	30	100	13.827	1086	25x5	U	293.03	95.68	46.88	27.74	18.31	12.98	SPAN 1100							
ABF(25x5)	30	50	15.377			D	0.41	1.25	2.56	4.33				6.57	9.3					
AE(32x5)	60	100	10.330	1101	32x5	U	240.05	78.38	38.40	22.72	15.00	10.63	7.93							
AEF(32x5)	60	50	11.88			D	0.32	0.98	2.00	3.38				5.13	7.25	9.76				
AB(32x3)	30	100	11.019	1152	32x3	U	288.06	94.06	46.09	27.27	18.00	12.76	9.52							
ABF(32x3)	30	50	12.568			D	0.32	0.98	2.00	3.38				5.13	7.25	9.75				
AC(32x5)	40	100	13.773	1216	32x5	U	367.14	119.88	58.74	34.75	22.94	16.27	12.13	SPAN 1250						
ACF(32x5)	40	50	15.323			D	0.32	1.00	2.03	3.44					5.23	7.39	9.94			
AE(40x5)	60	100	12.482	1300	40x5	U	375.08	122.47	60.01	35.51	23.44	16.62	12.39	9.60						
AEF(40x5)	60	50	14.032			D	0.25	0.78	1.60	2.70					4.10	5.79	7.78	10.08		
AB(32x5)	30	100	17.216	1304	32x5	U	480.11	156.77	76.81	45.45	30.00	21.27	15.87	12.29						
ABF(32x5)	30	50	18.766			D	0.32	0.98	2.00	3.38					5.13	7.25	9.74	12.62		
AB(40x3)	30	100	13.343	1360	40x3	U	450.10	146.97	72.01	42.61	28.13	19.94	14.87	11.52	SPAN 1400					
ABF(40x3)	30	50	14.892			D	0.25	0.78	1.60	2.70						4.10	5.79	7.78	10.07	
AE(45x5)	60	100	13.827	1419	45x5	U	474.72	155.01	75.95	44.94	29.67	21.04	15.69	12.15	9.68					
AEF(45x5)	60	50	15.377			D	0.23	0.69	1.42	2.40						3.64	5.14	6.91	8.95	11.25
AC(40x5)	40	100	16.786	1435	40x5	U	573.66	187.31	91.78	54.31	35.39	25.42	18.96	14.68	11.70					
ACF(40x5)	40	50	18.336			D	0.26	0.80	1.63	2.75						4.18	5.90	7.93	10.27	12.91
AE(50x5)	60	100	15.172	1535	50x5	U	586.07	191.37	93.77	55.48	36.62	25.97	19.37	15.00	11.96					
AEF(50x5)	60	50	16.722			D	0.20	0.62	1.28	2.16						3.28	4.63	6.21	8.04	10.11
AB(40x5)	30	50	21.090	1538	40x5	U	750.17	244.95	120.02	71.02	46.88	33.24	24.79	19.20	15.30	SPAN 1550				
ABF(40x5)	30	100	22.640			D	0.25	0.78	1.60	2.70							4.10	5.79	7.78	10.06
AC(45x5)	40	100	18.669	1566	45x5	U	726.04	237.07	116.16	68.73	45.37	32.17	24.00	18.58	14.81	12.08				
ACF(45x5)	40	50	20.219			D	0.23	0.71	1.45	2.45							3.71	5.24	7.04	9.11
AB(50x3)	30	100	16.248	1605	50x3	U	703.29	229.64	112.52	66.58	43.95	31.17	23.24	18.00	14.35	11.70				
ABF(50x3)	30	50	17.798			D	0.20	0.62	1.28	2.16							3.27	4.62	6.21	8.04
AB(45x5)	30	100	23.511	1677	45x5	U	949.44	310.02	151.91	89.88	59.34	42.08	31.38	24.30	19.37	15.80				
ABF(45x5)	30	50	25.061			D	0.23	0.69	1.42	2.40							3.64	5.14	6.90	8.94
AC(50x5)	40	100	20.552	1692	50x5	U	896.35	292.68	143.41	84.86	56.02	39.72	29.63	22.94	18.29	14.92	SPAN 1700			
ACF(50x5)	40	50	22.102			D	0.21	0.64	1.30	2.20								3.34	4.71	6.33
AB(50x5)	30	100	25.932	1813	50x5	U	1172.15	382.74	187.54	110.97	73.25	51.95	38.74	30.00	23.92	19.51	16.22	SPAN 1850		
ABF(50x5)	30	50	27.482			D	0.20	0.62	1.28	2.16									3.27	4.62
AE(65x5)	60	100	19.207	1864	65x5	U	990.46	323.41	158.47	93.77	61.90	43.89	32.74	25.35	20.21	16.49	13.7	11.57	SPAN 2000	
AEF(65x5)	60	50	20.757			D	0.16	0.48	0.98	1.66										2.52
AC(65x5)	40	100	26.201	2054	65x5	U	1514.83	494.63	242.37	143.41	94.67	67.13	50.07	38.77	30.91	25.22	20.96	17.70	15.14	SPAN 2150
ACF(65x5)	40	50	27.751			D	0.16	0.49	1.00	1.69										
AB(65x5)	30	100	33.195	2198	65x5	U	1980.93	646.83	316.94	187.54	123.80	87.79	65.48	50.71	40.42	32.98	27.41	23.15	19.80	17.14
ABF(65x5)	30	50	34.745			D	0.16	0.48	0.98	1.66										



When the deflection is less than 5mm, walking is most comfortable

U= Uniformly Distributed Load in Kilopascals(Kpa or KN/m<sup>2</sup>)

D=Maximum deflection in millimeters(mm)

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