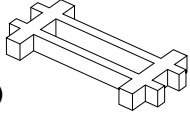
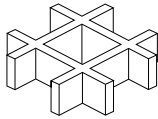
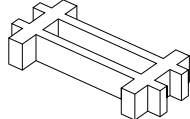
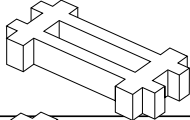
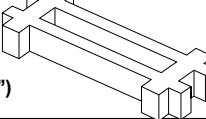
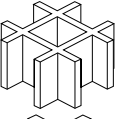
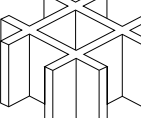


CHEMGRATE LOAD TABLES

GRATING SIZE DESIGNATION HEIGHT FOLLOWED BY MESH PATTERN	LOAD REQUIRED FOR SPECIFIED DEFLECTION PER TABLE I LOADING			TABLE II: CONCENTRATED LOAD USING 12" X 1" BLOCK		TABLE III: UNIFORMLY DISTRIBUTED LOAD
	SPAN ¹	.250"	.375"	LOAD @ 1% DEFL. ²	LOAD @ 10:1 SAT. FAC. ³	LOAD @ 1% DEFL. ²
5/8" (1" X 4") 	12 (in.) 18 24 30* 36* 42* 48*	- - 260 (lbs.) 150 100 75 55	- - 390 (lbs.) 225 250 112 85	550 (lbs.) 250 140 95 70 55 40	410 (lbs.) 300 200 150 100 80 -	880 (lbs./ft. ²) 270 110 40 25 20 20
1" (2" X 2") 	12 (in.) 18 24 30* 36* 42* 48*	- - 415 (lbs.) 215 140 95 80	- - 625 (lbs.) 325 230 150 125	800 (lbs.) 350 200 130 90 70 50	330 (lbs.) 220 165 130 110 95 80	1280 (lbs./ft. ²) 375 160 85 50 35 20
1" (1" X 4") STANDARD 	12 (in.) 18 24 30 36 42 48	- - 665 (lbs.) 365 250 175 140	- - 1000 (lbs.) 545 375 262 210	1605 (lbs.) 715 400 260 180 135 100	660 (lbs.) 440 330 265 220 190 165	2570 (lbs./ft. ²) 765 320 165 95 60 40
1" (1" X 4") HEAVY DUTY 	12 (in.) 18 24 30 36 42 48	- - 1040 (lbs.) 625 415 330 240	- - 1560 (lbs.) 940 620 500 360	1840 (lbs.) 850 500 330 240 180 145	800 (lbs.) 550 425 350 300 260 235	2945 (lbs./ft. ²) 905 400 210 130 80 60
1-1/2" (1-1/2" X 6") 	12 (in.) 18 24 30 36 42 48	- - 1800 (lbs.) 1200 805 570 425	- - 2820 (lbs.) 1800 1207 855 640	4500 (lbs.) 2025 1160 755 530 395 310	960 (lbs.) 735 600 505 440 385 345	7200 (lbs./ft. ²) 2160 930 485 280 180 125
1-1/2" (1-1/2" X 1-1/2") 	12 (in.) 18 24 30 36 42 48	- - 2060 (lbs.) 1200 880 550 370	- - 3085 (lbs.) 1800 1320 825 555	3670 (lbs.) 1630 915 585 410 300 230	1215 (lbs.) 810 780 485 405 350 305	5872 (lbs./ft. ²) 1740 735 350 220 140 95
2" (2" X 2") 	12 (in.) 18 24 30 36 42 48	- - 2290 (lbs.) 1480 1070 760 575	- - 3430 (lbs.) 2220 1610 1140 860	- - 1620 (lbs.) 1035 720 530 405	- - 720 (lbs.) 575 480 410 360	- - 1295 (lbs./ft. ²) 660 385 240 160

¹ "SPAN" INCLUDES 1-1/2" SUPPORT ON EACH SIDE. CLEAR SPAN IS 3" LESS THAN WIDTH OF SPAN SHOWN.

² DEFLECTION DATA IS 1% OF SPAN. (EXAMPLE: DATA FOR 30" SPAN WOULD BE THE LOAD REQUIRED TO GIVE .30" DEFLECTION).

* NOT RECOMMENDED FOR FOOT TRAFFIC AT THIS SPAN.

³ "SAFETY FACTOR IS DEFINED AS ONE-TENTH THE LOAD REQUIRED FOR THE GRATING TO FAIL.

