



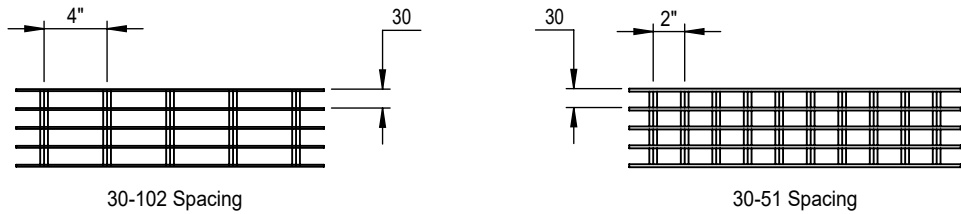
ACCURATE
SCREEN & GRATING

BAR GRATING - ALUMINUM

30-102/30-51

30mm

METRIC- TYPE 30-102/30-51 SPACING



VANCOUVER

19082-28th Avenue
Surrey, BC
Canada V3S 6M3
TF: 877.687.3488

CALGARY

7571-57th Street SE
Calgary, AB
Canada T2C 5M2
TF: 877.857.0323

EDMONTON

#54-1015 Eby Road SW
Edmonton, AB
Canada T6X 2N9
TF: 877.857.0323

TORONTO

#5-5655 Kennedy Rd
Mississauga, ON
Canada L4Z 3E1
TF: 877.564.3381

MONTREAL

440 Rue Stinson
Saint Laurent, QC
Canada H4N 2E9
TF: 855.325.3826

TABLE OF SAFE LOADS

U - Safe Uniform Load, in kPa
C - Safe Concentrated Load, in kN/m
D - Deflection in millimeters
For serrated surface, increase depth by 7mm for proper load rate.

GENERAL

Loads and Deflection are theoretical and based on static loading.

NOTE: Spans to the right of heavy line not recommended. Deflections shown based on tabulated loadings. For lesser design loads reduce deflection in direct proportion. For serrated surface increase depth by one size.

SIZE OF BEARING BAR		APPROXIMATE WT/KG/M2		ALUMINUM TYPE 30-102																SEC. MOD. PER 305mm OF WIDTH
				SPAN IN MILLIMETERS																
				TYPE 30-102	TYPE 30-51	305	458	610	762	915	1067	1219	1372	1524	1676	1829	1981	2133	2438	
19 X 3.2	6.84	7.81	U	45.41	20.14	11.35	7.28	5.03	3.96									1.94		
			D	1.2	2.7	4.9	7.6	11.0	14.9											
			C	6.92	4.61	3.46	2.76	2.31	1.97											
			D	1.1	2.2	3.9	6.1	8.8	11.9											
19 X 4.8	9.28	10.25	U	68.02	30.16	17.00	10.87	7.57	5.56									2.92		
			D	1.2	2.7	4.9	7.6	11.0	14.9											
			C	10.36	6.90	5.18	4.14	3.46	2.96											
			D	1.1	2.2	3.9	6.1	8.8	11.9											
25 X 3.2	8.35	9.28	U	80.66	35.77	20.17	12.89	8.96	6.56	5.03								3.54		
			D	0.9	2.1	3.7	5.7	8.2	11.2	14.6										
			C	12.28	8.18	6.14	4.92	4.10	3.52	3.08										
			D	0.7	1.6	2.9	4.6	6.6	9.0	11.7										
25 X 4.8	12.01	13.18	U	121.09	53.70	30.27	19.35	13.46	9.87	7.57	5.99							5.33		
			D	0.9	2.1	3.7	5.7	8.2	11.2	14.6	18.5									
			C	18.44	12.28	9.22	7.37	6.14	5.27	4.61	4.10									
			D	0.7	1.6	2.9	4.6	6.6	9.0	11.7	14.8									
32 X 3.2	10.16	11.23	U	126.07	55.91	31.52	20.17	13.99	10.30	7.86	6.23							5.56		
			D	0.7	1.6	2.9	4.6	6.6	9.0	11.7	14.8									
			C	19.20	12.79	9.60	7.67	6.41	5.49	4.80	4.26									
			D	0.6	1.3	2.3	3.7	5.3	7.2	9.4	11.9									
32 X 4.8	14.70	16.11	U	189.11	83.87	47.28	30.27	21.03	15.42	11.83	9.34	7.57						8.31		
			D	0.7	1.6	2.9	4.6	6.6	9.0	11.7	14.8	18.3								
			C	28.80	19.18	14.40	11.51	9.60	8.23	7.19	6.41	5.76								
			D	0.5	1.3	2.3	3.7	5.3	7.2	9.4	11.9	14.6								
38 X 3.2	12.01	13.18	U	181.45	80.47	45.36	29.03	20.17	14.80	11.35	8.96	7.28						8.00		
			D	0.6	1.4	2.4	3.8	5.5	7.5	9.8	12.3	15.2								
			C	27.63	18.40	13.82	11.06	9.22	7.89	6.92	6.14	5.53								
			D	0.5	1.1	2.0	3.0	4.4	6.0	7.8	9.9	12.2								
38 X 4.8	17.38	19.04	U	272.26	120.74	68.07	43.54	30.27	22.23	17.00	13.46	10.87	9.01					11.97		
			D	0.6	1.4	2.4	3.8	5.5	7.5	9.8	12.3	15.2	18.4							
			C	41.46	27.61	20.73	16.59	13.82	11.85	10.37	9.22	8.29	7.54							
			D	0.5	1.1	2.0	3.0	4.4	6.0	7.8	9.9	12.2	14.8							
45 X 4.8	20.12	21.48	U	370.55	164.33	92.64	59.30	41.19	30.27	23.18	18.30	14.80	12.26	10.30	8.77			16.30		
			D	0.4	1.1	2.1	3.3	4.7	6.4	8.4	10.6	13.1	15.0	18.8	22.1					
			C	56.43	37.58	28.22	22.57	18.81	16.12	14.11	12.55	11.29	10.26	9.41	8.68					
			D	0.4	0.9	1.7	2.6	3.8	5.1	6.7	8.5	10.4	12.6	15.0	17.7					
51 X 4.8	22.85	24.41	U	483.98	214.63	121.00	77.45	53.79	39.52	30.27	23.90	19.35	16.00	13.46	11.45	9.87		21.30		
			D	0.4	1.0	1.8	2.9	4.1	5.6	7.3	9.3	11.4	13.8	16.5	19.3	22.4				
			C	73.71	49.09	36.85	29.49	24.57	21.07	18.43	16.38	14.75	13.41	12.28	11.34	10.53				
			D	0.5	0.9	1.500	2.3	3.3	4.5	5.8	7.4	9.1	11.1	13.2	15.4	17.9				
57 X 4.8	25.58	28.32	U	612.55	271.65	153.14	98.00	68.07	50.01	38.27	30.27	24.52	20.26	17.00	14.51	12.50	9.58	26.96		
			D	0.4	0.9	1.6	2.5	3.7	5.0	6.5	8.2	10.2	12.3	14.6	17.2	19.9	26.0			
			C	93.29	62.12	46.64	37.32	31.11	26.66	23.33	20.73	18.66	16.97	15.55	14.36	13.34	11.66			
			D	0.3	0.7	1.3	2.0	2.9	4.0	5.2	6.6	8.1	9.8	11.7	13.7	15.8	20.8			
64 X 4.8	28.27	29.78	U	756.25	335.38	189.06	121.00	69.65	61.74	47.28	37.36	30.27	25.00	21.03	17.91	15.42	11.83	33.28		
			D	0.5	0.9	1.5	2.3	3.3	4.5	5.8	7.4	9.1	11.1	13.2	15.4	17.9	23.4			
			C	15.17	76.7	57.59	46.08	38.40	32.92	28.80	25.59	23.04	20.94	19.20	17.73	16.46	14.40			
			D	0.3	0.7	1.2	1.8	2.6	3.6	4.7	5.9	7.3	8.8	10.5	12.4	14.3	18.7			

Maximum allowable fiber stress of 124 M.P.A.