



ACCURATE
SCREEN & GRATING

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

BAR GRATING - STAINLESS STEEL

30-102/30-51

30mm

METRIC - TYPE 30-102/30-51 SPACING

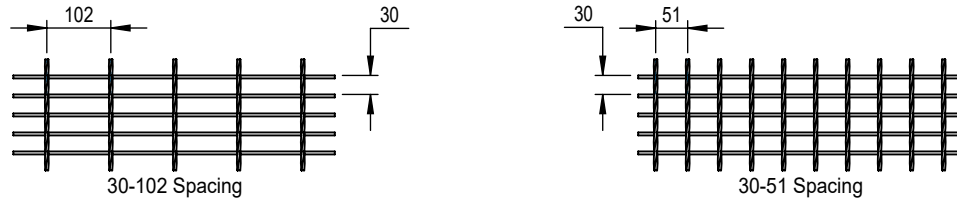


TABLE OF SAFE LOADS

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.

304 & 316 STAINLESS STEEL TYPE 30-102																	
SIZE OF BEARING BAR	APPROXIMATE WT/KG/M2 TYPE 30-102	SPAN IN MILLIMETERS															
		305	458	610	762	915	1067	1219	1372	1524	1676	1829	1981	2133	2438	2743	
19 X 3.2	0.0	U	76	34	19	12	8	6	5	4							
		D	0.672	1.608	2.894	4.531	6.519	8.888	11.606	14.705							
		C	38	25	19	15	13	11	9	8							
		D	0.555	1.286	2.310	3.625	5.233	7.104	9.297	11.753							
19 X 4.8	27.54	U	113	50	28	18	13	9	7	6							
		D	0.672	1.608	2.894	4.531	6.519	8.888	11.606	14.705							
		C	57	38	28	23	19	16	14	13							
		D	0.555	1.286	2.310	3.625	5.233	7.104	9.297	11.753							
25 X 3.2	24.36	U	135	60	34	21	15	11	8	7	5	4					
		D	0.585	1.228	2.163	3.391	4.912	6.666	8.712	11.022	13.624	16.460					
		C	67	45	34	27	22	19	17	15	13	12					
		D	0.526	1.023	1.754	2.719	3.918	5.321	6.958	8.829	11.076	13.185					
25 X 4.8	35.10	U	202	90	50	32	22	16	13	10	8	7					
		D	0.585	1.228	2.163	3.391	4.912	6.666	8.712	11.022	13.624	16.460					
		C	101	67	50	40	34	29	25	22	20	18					
		D	0.526	1.023	1.754	2.719	3.918	5.321	6.958	8.829	10.876	13.185					
32 X 3.2	29.73	U	210	93	53	34	23	17	13	10	8	7	6	5	4		
		D	0.526	1.023	1.754	2.719	3.918	5.321	6.958	8.829	10.879	13.185	15.67	18.389	21.342		
		C	105	70	53	42	35	30	26	23	21	19	18	16	15		
		D	0.497	0.848	1.403	2.163	3.128	4.268	5.584	7.046	8.712	10.525	12.542	14.735	17.073		
32 X 4.8	43.16	U	315	140	79	50	35	26	20	16	13	10	9	7	6		
		D	0.526	1.023	1.754	2.719	3.918	5.321	6.958	8.829	10.876	13.185	15.670	18.389	21.342		
		C	158	105	79	63	53	45	39	35	32	29	26	24	25		
		D	0.497	0.848	1.403	2.163	3.128	4.268	5.584	7.046	8.712	10.525	12.542	14.735	17.073		
38 X 3.2	35.10	U	302	134	76	48	34	25	19	15	12	10	8	7	6	5	4
		D	0.351	0.819	1.462	2.280	3.274	4.444	5.818	7.338	9.063	10.993	13.068	15.319	17.775	23.213	29.411
		C	151	101	76	61	50	43	38	34	30	28	25	23	22	19	17
		D	0.322	0.672	1.169	1.813	2.602	3.567	4.648	5.876	7.250	8.771	10.466	12.279	14.238	18.594	23.505
38 X 4.8	51.17	U	454	202	113	73	50	37	28	22	18	15	13	11	9	7	6
		D	0.351	0.819	1.462	2.280	3.274	4.444	5.818	7.338	9.063	10.993	13.068	15.319	17.775	23.213	29.411
		C	227	151	113	91	76	65	57	50	45	41	38	35	32	28	25
		D	0.322	0.672	1.169	1.813	2.602	3.567	4.648	5.876	7.250	8.771	10.466	12.279	14.239	18.594	23.505
45 X 4.8	57.17	U	618	274	154	99	69	50	39	30	25	20	17	15	13	10	8
		D	0.292	0.702	1.257	1.959	2.807	3.801	4.970	6.286	7.777	9.414	11.197	13.156	15.232	19.909	25.201
		C	309	206	154	124	103	88	77	69	62	56	51	48	44	39	34
		D	0.322	0.585	0.994	1.549	2.251	3.040	3.976	5.028	6.277	7.513	8.946	10.525	12.191	15.933	20.143
51 X 4.8	67.28	U	807	358	202	129	90	66	50	40	32	27	22	19	16	13	10
		D	0.292	0.614	1.082	1.696	2.456	3.333	4.356	5.525	6.812	8.244	9.794	11.490	13.331	17.424	22.043
		C	403	269	202	161	134	115	101	90	81	73	67	62	58	50	45
		D	0.146	0.468	0.877	1.374	1.959	2.66	3.479	4.415	5.438	6.578	7.835	9.209	10.671	13.945	17.629
57 X 4.8	75.63	U	1021	454	255	163	113	83	64	50	41	34	28	24	21	16	13
		D	0.117	0.497	0.965	1.520	2.163	2.953	3.479	4.415	5.438	6.578	7.835	9.209	10.671	13.945	17.629
		C	510	340	255	204	170	146	128	113	102	93	85	79	73	64	57
		D	0.234	0.439	0.760	1.199	1.754	2.368	3.099	3.918	4.853	5.847	6.958	8.186	9.472	12.396	15.670
64 X 4.8	83.39	U	1260	560	315	202	140	103	79	62	50	42	35	30	26	20	16
		D	0.146	0.468	0.877	1.374	1.959	2.66	3.479	4.415	5.438	6.578	7.835	9.209	10.671	13.945	17.629
		C	630	420	315	252	210	180	158	140	126	115	105	97	90	79	70
		D	0.292	0.439	0.702	1.082	1.579	2.134	2.777	3.537	4.356	5.262	6.286	7.367	8.537	11.139	14.121

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