



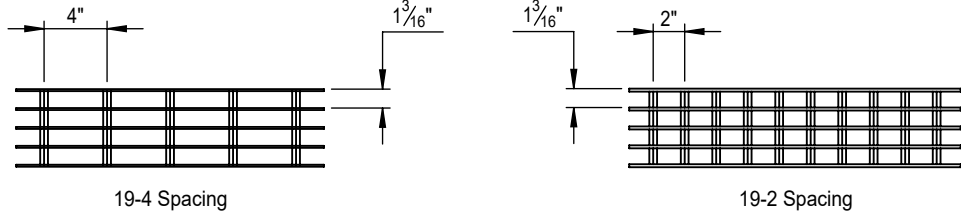
ACCURATE
SCREEN & GRATING

BAR GRATING - ALUMINUM

19-4/19-2

19/16"

IMPERIAL- TYPE 19-4/19-2 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 lbs. per sq. ft.
C - Safe Concentrated Load, in lbs. per sq. ft. of grating width
D - Deflection in inches
For serrated surface, increase depth by 1/4" 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.

ALUMINUM TYPE 19-4															SEC. MOD. PER FOOT OF WIDTH				
SIZE OF BEARING BAR	APPROXIMATE WT/LBS/SF		SPAN IN FEET & INCHES																
	TYPE 19-4	TYPE 19-2	1'0"	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"	6'6"		7'0"	8'0"		
3/4" X 1/8"	1.40	1.60	U	948	421	237	152	105	77									0.118	
			D	0.048	0.108	0.192	0.300	0.432	0.588										
			C	474	316	237	189	158	135										
			D	0.042	0.088	0.154	0.240	0.346	0.470										
3/4" X 3/16"	1.90	2.10	U	1420	631	355.00	227	158	116									0.178	
			D	0.048	0.108	0.192	0.300	0.432	0.586										
			C	710	473.00	355	284	237	203										
			D	0.042	0.088	0.154	0.240	0.346	0.470										
1" X 1/8"	1.71	1.90	U	1684	748	421	269	187	137	105								0.216	
			D	0.036	0.081	0.144	0.225	0.324	0.439	0.576									
			C	842	561	421	337	281.00	241	211									
			D	0.027	0.064	0.115	0.180	0.259	0.353	0.461									
1" X 3/16"	2.46	2.70	U	2528	1124	632	404	281	206	158	125							0.325	
			D	0.0	0.081	0.144	0.225	0.324	0.441	0.576	0.729								
			C	1264	843	632	505	421	361	316	281								
			D	0.027	0.064	0.115	0.180	0.259	0.353	0.461	0.583								
1 1/4" X 1/8"	2.08	2.30	U	2632	1170	658	421	292	215	164	130							0.339	
			D	0.027	0.064	0.115	0.180	0.259	0.353	0.461	0.583								
			C	1316	877	658	526	439	376	329	292								
			D	0.024	0.052	0.092	0.144	0.208	0.282	0.369	0.467								
1 1/4" X 3/16"	3.01	3.30	U	3948	1755	987	632	439	322	247	195	158						0.507	
			D	0.027	0.064	0.115	0.180	0.259	0.353	0.461	0.583	0.720							
			C	1974	1316	987	789	658	564	493	439	395							
			D	0.021	0.051	0.092	0.144	0.207	0.282	0.369	0.467	0.576							
1 1/2" X 1/8"	2.46	2.70	U	3788	1684	947	606	421	309	237	187	152						0.488	
			D	0.024	0.054	0.096	0.150	0.216	0.294	0.384	0.486	0.600							
			C	1894	1263	947	758	632	541	474	421	379							
			D	0.021	0.044	0.077	0.120	0.173	0.235	0.307	0.389	0.480							
1 1/2" X 3/16"	3.56	3.90	U	5684	2526	1421	909	632	464	355	281	227	188					0.700	
			D	0.024	0.054	0.096	0.150	0.216	0.294	0.384	0.486	0.600	0.726						
			C	2842	1895	1421	1137	947	812	711	632	568	517						
			D	0.021	0.044	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581						
1 3/4" X 3/16"	4.12	4.40	U	7736	3438	1934	1238.00	860	632	484	382.00	309.00	256	215.00	183			0.994	
			D	0.015	0.044	0.082	0.129	0.185	0.252	0.329	0.417	0.514	0.622	0.741	0.869				
			C	3868	2579	1934	1547	1289	1105	967	860	774	703	645	595				
			D	0.016	0.037	0.066	0.103	0.148	0.202	0.263	0.333	0.411	0.498	0.592	0.695				
2" X 3/16"	4.68	5.00	U	10104	4491	2526	1617	1123	825	632	499	404	334	281	239	206		1.299	
			D	0.014	0.039	0.072	0.113	0.162	0.221	0.288	0.365	0.450	0.545	0.648	0.761	0.882			
			C	5052	3368	2526	2021	1684	1444	1263	1123	1011	919	842	777	722			
			D	0.018	0.034	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.518	0.608	0.706			
2 1/4" X 3/16"	5.24	5.80	U	12788	5684	3197	2046	1421	1044	799	632	512	423	355	303	261	200	1.644	
			D	0.016	0.036	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.676	0.784	1.024		
			C	6394	4263	3197	2558	2132	1827	1599	1421	1279	1163	1066	984	914	799		
			D	0.011	0.028	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.624	0.819		
2 1/2" X 3/16"	5.79	6.10	U	15788	7017	3947	2526	1454	1289	987	780	632	522	439	374	322	247	2.029	
			D	0.018	0.034	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.518	0.608	0.706	0.922		
			C	7894	5263	3947	3158	2632	2256	1974	1754	1579	1435	1316	1215	1128	987		
			D	0.012	0.026	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.564	0.737		

Maximum allowable fiber stress of 18,000 P.S.I.