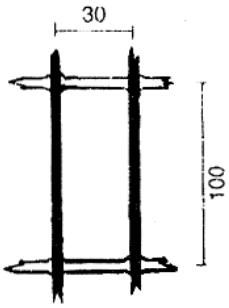
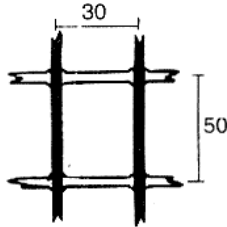


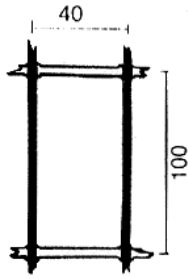
STANDARD TYPES



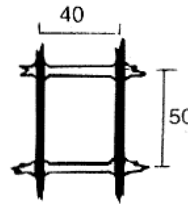
Series 3/1  
Load factor 1.26  
B/bars/M 34



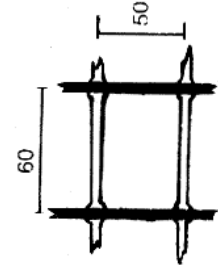
Series 3/5  
Load factor 1.26  
B/bars/M 34



Series 4/1  
Load factor 1.0  
B/bars/M 26



Series 4/5  
Load factor 1.0  
B/bars/M 26



Series 6/5  
Load factor 0.63  
B/bars/M 17

GRATINGS LOADING TABLE "4/1" SERIES

- based on type "4/1" plain (factor 1)

B/bar	B/bar type	Serrate factor "Z"	Banded mass kg/m <sup>2</sup>	Load	Span in mm											Max. recomm span	
					Heavy			Medium		Light							Class
					500	750	900	1000	1250	1500	1800	2100	2400	2750			
25 x 3	1	0.84	20	U	4224	1770	1024	746	382	221					Light	1250	
				d	1.76	3.75	4.5	5	6.25	7.5					Medium	1100	
				C	1055	703	575	466	296	207					Heavy	1000	
				d	1.42	3.19	4.5	5	6.25	7.5							
25 x 4.5	2	0.84	28	U	6336	2656	1536	1119	572	332					Light	1500	
				d	1.76	3.75	4.5	5	6.25	7.5					Medium	1250	
				C	1583	1055	863	699	447	310					Heavy	1100	
				d	1.42	3.19	4.5	5	6.25	7.5							
30 x 3	4	0.87	23.1	U	6082	2703	1751	1276	653	378	218	131			Light	1500	
				d	1.49	3.35	4.5	5	6.25	7.5	9	10			Medium	1300	
				C	1520	1014	844	760	510	354	245	172			Heavy	1200	
				d	1.19	2.68	3.86	4.77	6.25	7.5	9	10					
30 x 4.5	5	0.87	32.7	U	9124	4055	2627	1915	980	567	327	197			Light	1800	
				d	1.49	3.35	4.5	5	6.25	7.5	9	10			Medium	1500	
				C	2281	1521	1267	1140	765	531	368	258			Heavy	1300	
				d	1.19	2.68	3.86	4.77	6.25	7.5	9	10					
40 x 3	7	0.9	29.5	U	10813	4806	3337	2703	1544	893	517	310	181	113	Light	2100	
				d	1.12	2.52	3.63	4.48	6.25	7.5	9	10	10	10	Medium	1800	
				C	2703	1802	1502	1351	1081	837	581	407	272	191	Heavy	1500	
				d	0.9	2.02	2.91	3.59	5.61	7.5	9	10	10	10			
40 x 4.5	8	0.9	42.2	U	16222	7209	5006	4055	2316	1340	775	464	272	170	Light	2350	
				d	1.12	2.52	3.63	4.48	6.25	7.5	9	10	10	10	Medium	2000	
				C	4055	2703	2253	2027	1622	1255	872	610	408	286	Heavy	1800	
				d	0.9	2.02	2.91	3.59	5.61	7.5	9	10	10	10			
50 x 5	11	0.92	57.2	U	28162	12516	8692	7040	4506	2925	1691	1014	594	370	Light	2750	
				d	0.89	2	2.89	3.56	5.57	7.5	9	10	10	10	Medium	2400	
				C	7040	4694	3911	3520	2816	2347	1903	1332	892	626	Heavy	2200	
				d	0.71	1.61	2.31	2.85	4.46	6.42	9	10	10	10			

U = Kg/m<sup>2</sup> UDL      C = Kg/m width line load      d = Deflection at centre

Note : Galvanizing will increase masses/m<sup>2</sup> by 9% on average  
 Deflection criteria : 1/200 of span or 10mm whichever is the lesser  
 Bending stress criteria : 165 MPa