

## FORGEBAR GRATING 30 - LOAD AND DEFLECTION TABLE

PRODUCT CODE	* CROSS BAR PITCH mm	MASS kg/m <sup>2</sup>	NOM LOADBAR SIZE mm		SPANS(mm)														SERRATED GRATING CONV %	
					300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2400		2700
A30-203	100	18.8	20X3	U	100.90	45.00	25.20	15.94	7.67	4.11									N/A	
				D	0.80	1.80	3.22	5.00	5.00	5.00										
A30-205	100	29.5	20X5	U	169.40	75.33	42.37	26.96	13.00	7.02	4.11								N/A	
				D	0.80	1.80	3.22	5.00	5.00	5.00										
A30-253	100	22.8	25X3	U	158.9	70.62	39.72	25.42	15.24	8.22	4.82								0.876	
				D	0.64	1.45	2.57	4.02	5.00	5.00	5									
A30-255	100	36.2	25X5	U	264.80	117.70	66.20	42.37	25.40	13.71	8.03	5.01							0.876	
				D	0.64	1.45	2.57	4.02	5.00	5.00	5.00									
A30-323	100	28.4	32X3	U	260.30	115.70	65.08	41.65	28.92	17.24	10.11	6.31	4.14						0.902	
				D	0.50	1.13	2.01	3.14	4.52	5.00	5.00	5.00								
A30-325	100	45.5	32X5	U	433.80	192.80	108.40	69.42	48.21	28.75	16.86	10.52	6.93	4.71					0.902	
				D	0.50	1.13	2.01	3.14	4.52	5.00	5.00	5.00	5.00							
A30-403	100	34.9	40X3	U	406.70	180.70	101.70	65.08	45.20	33.20	19.73	12.34	8.09	5.52					0.922	
				D	0.40	0.90	1.61	2.51	3.62	4.93	5.00	5.00	5.00							
A30-405	100	56.2	40X5	U	677.90	301.30	169.40	108.40	75.33	55.34	32.89	20.56	13.49	9.20	6.50	4.72			0.922	
				D	0.40	0.90	1.61	2.51	3.62	4.93	5.00	5.00	5.00	5.00	5.00	5.00				
A30-455	100	62.9	45X5	U	858.00	381.30	214.50	137.20	95.30	70.04	46.87	29.26	19.19	13.11	9.25	6.72	4.99		0.93	
				D	0.36	0.80	1.43	2.23	3.22	4.38	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
A30-505	100	69.6	50X5	U	1059.00	470.70	264.80	169.40	117.70	86.47	64.27	40.11	26.35	17.99	12.70	9.22	6.85	4.01	0.937	
				D	0.32	0.72	1.29	2.01	2.90	3.94	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
A30-555	100	76.2	55X5	U	1281.00	569.60	320.40	205.00	142.40	104.60	80.11	53.45	35.06	23.93	16.90	12.27	9.12	5.34	0.943	
				D	0.29	0.66	1.17	1.83	2.63	3.58	4.68	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
A30-655	100	89.6	65X5	U	1790.00	795.60	447.50	286.40	198.90	146.10	111.80	88.22	57.84	40.75	27.90	20.25	15.05	8.82	5.51	0.951
				D	0.25	0.56	0.99	1.55	2.23	3.03	3.96	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	

NOTE  
 SPANS SHOWN WITHIN THE SHADED AREA HAVE A DEFLECTION OF LESS THAN 5mm FOR A 4kPA UNIFORMLY DISTRIBUTED LOAD, WHICH IS A LIMITING DEFLECTION FOR PEDESTRIAN COMFORT.  
  
 FOR SPANS OUTSIDE THE SHADED AREA CONSULT YOUR ENGINEER

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 NOTE: ALSO AVAILABLE WITH CROSS-ROAD PITCH BARS @ 50mm CRS - SAME LOAD & DEFLECTION TABLE APPLIES - PRODUCT CODES B30-203 TO B30-655