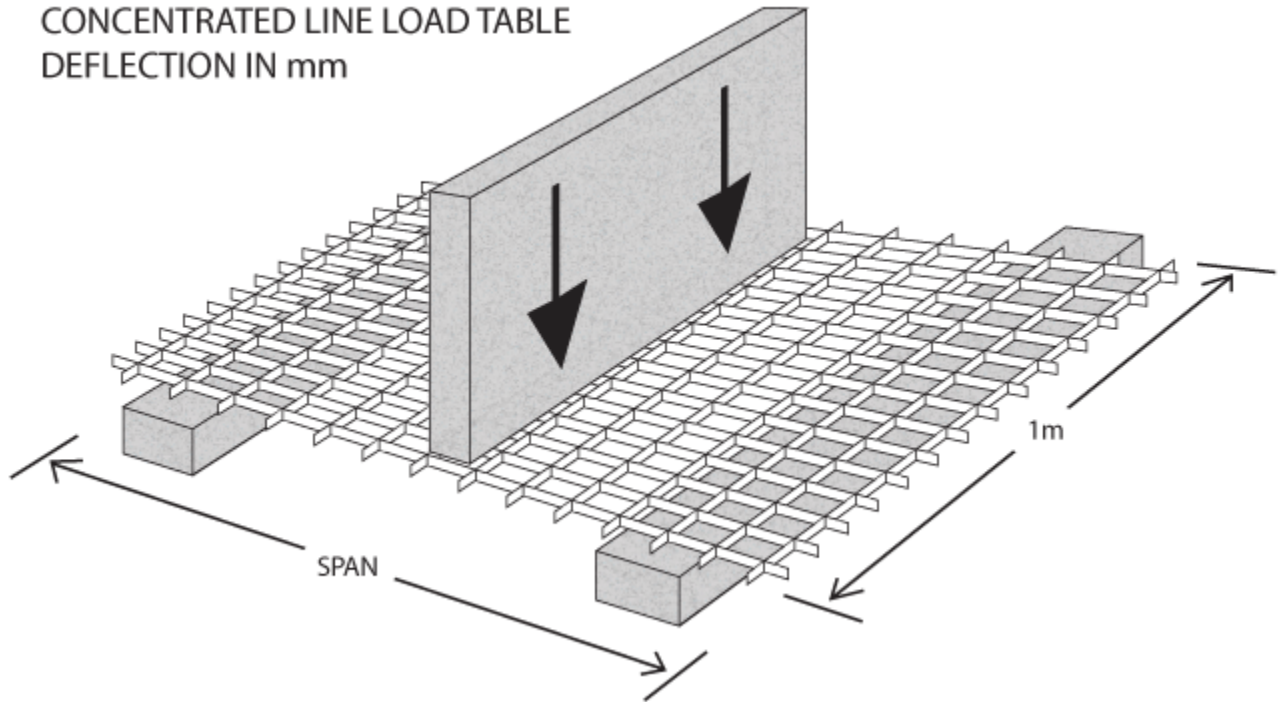


STAIRCARE SC-R MOLDED GRATING LOAD AND DEFLECTION

TABLE

CONCENTRATED LINE LOAD

CONCENTRATED LINE LOAD TABLE
DEFLECTION IN mm



SC-R 25mm Deep, Square Mesh Size 38 x 38							
Deflection	Kg/m						Break
SPAN	75	150	300	450	600	750	Point
450	0.559	1.146	2.159	3.073	4.115	4.75	3910
600	0.864	1.702	3.505	5.156	6.706	8.179	2924
900	2.896	5.918	12.116	18.44	--	--	1948
1200	5.715	11.633	--	--	--	--	1491

SC-R 38mm Deep, Square Mesh Size 38 x 38							
Deflection	Kg/m						Break
SPAN	75	150	300	450	600	750	Point
300	0.279	0.356	0.483	0.61	0.762	0.889	17116
600	0.356	0.66	1.245	1.85	2.464	3.073	8718
900	0.864	1.803	3.683	5.563	7.417	9.296	5817
1200	2.261	4.749	9.677	14.63	19.583	--	3755

SC-R 30mm Deep, Mini Mesh Size 20 x 25 / 40 x 40							
Deflection	Kg/m						Break
SPAN	75	150	300	450	600	750	Point
300	0.265	0.543	0.821	0.973	1.251	1.528	--
600	0.512	1.092	2.184	3.277	4.369	5.461	--
900	2.156	3.023	6.248	9.627	12.903	15.977	--
1200	3.531	7.772	15.646	23.47	--	--	--

SC-R 25mm Deep, rectangular Mesh Size 100 x 25							
Deflection	Kg/m						Break
SPAN	75	150	300	450	600	750	Point
300	0.33	0.483	0.737	0.991	1.27	1.52	9442
600	0.864	1.727	3.454	5.182	6.909	8.636	4305
750	1.397	2.718	5.105	7.163	9.55	11.938	3589
900	2.413	4.724	8.814	12.369	16.51	20.625	3216

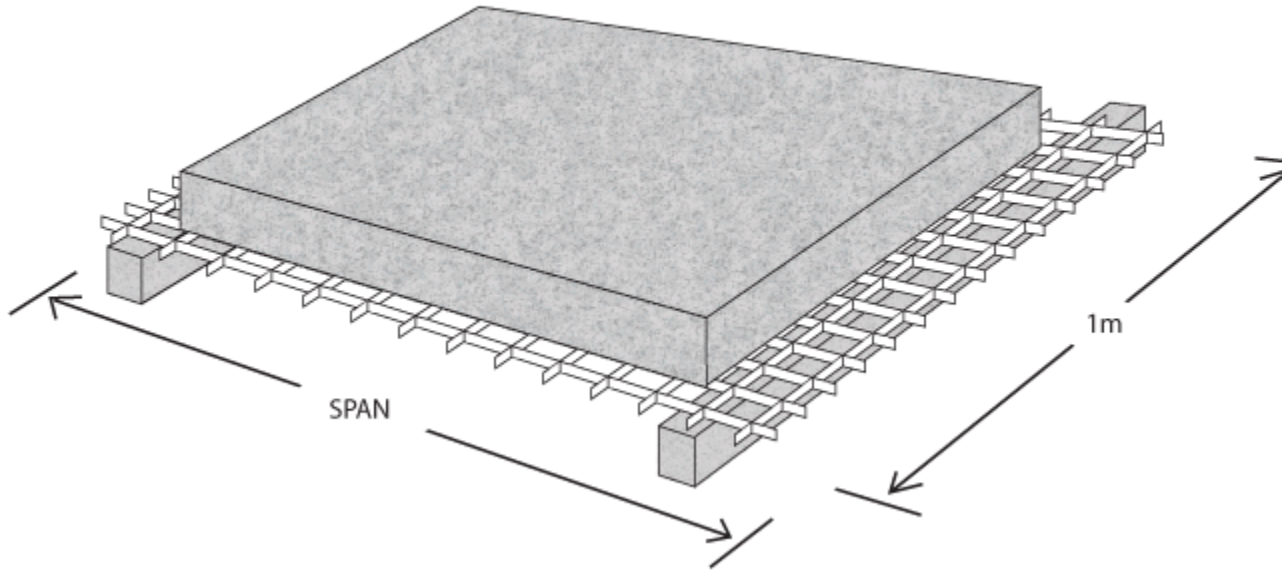
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STAIRCARE **SC-R** MOLDED GRATING LOAD AND DEFLECTION

TABLE

UNIFORM LOAD

UNIFORM LOAD TABLE
DEFLECTION IN mm



SC-R 25mm Deep, Square Mesh Size 38 x 38							
Deflection	Kg/m						
SPAN	240	480	980	1450	2450	3650	4880
450	0.66	1.092	1.93	2.769	4.47	6.579	--
600	1.118	2.108	4.14	6.172	10.211	15.265	--
750	2.667	5.387	10.82	16.28	--	--	--
900	5.537	11.176	21.717	--	--	--	--

SC-R 38mm Deep, Square Mesh Size 38 x 38							
Deflection	Kg/m						
SPAN	240	480	980	1450	2450	3650	4880
300	0.254	0.305	0.381	0.457	0.635	0.838	--
600	0.432	0.813	1.549	2.311	3.8354	5.74	--
900	1.702	3.454	6.959	10.465	17.475	--	--
1200	5.969	12.167	24.511	--	--	--	--

SC-R 30mm Deep, Mini Mesh Size 20 x 20 / 40 x 40							
Deflection	Kg/m						
SPAN	240	480	980	1450	2450	3650	4880
300	0.432	0.838	1.676	2.515	4.191	--	8.458
600	1.067	2.134	4.242	6.375	10.593	--	--
900	3.985	6.588	13.668	--	--	--	--
1200	7.274	17.780	--	--	--	--	--

SC-R 25mm Deep, Rectangular Mesh Size 100 x 25							
Deflection	Kg/m						
SPAN	240	480	980	1450	2450	3650	4880
300	0.279	0.381	05.33	0.711	1.041	--	1.905
600	0.914	1.854	3.683	5.537	9.22	--	18.466
900	3.632	6.6	12.572	18.542	--	--	--
1050	8.007	14.884	--	--	--	--	--

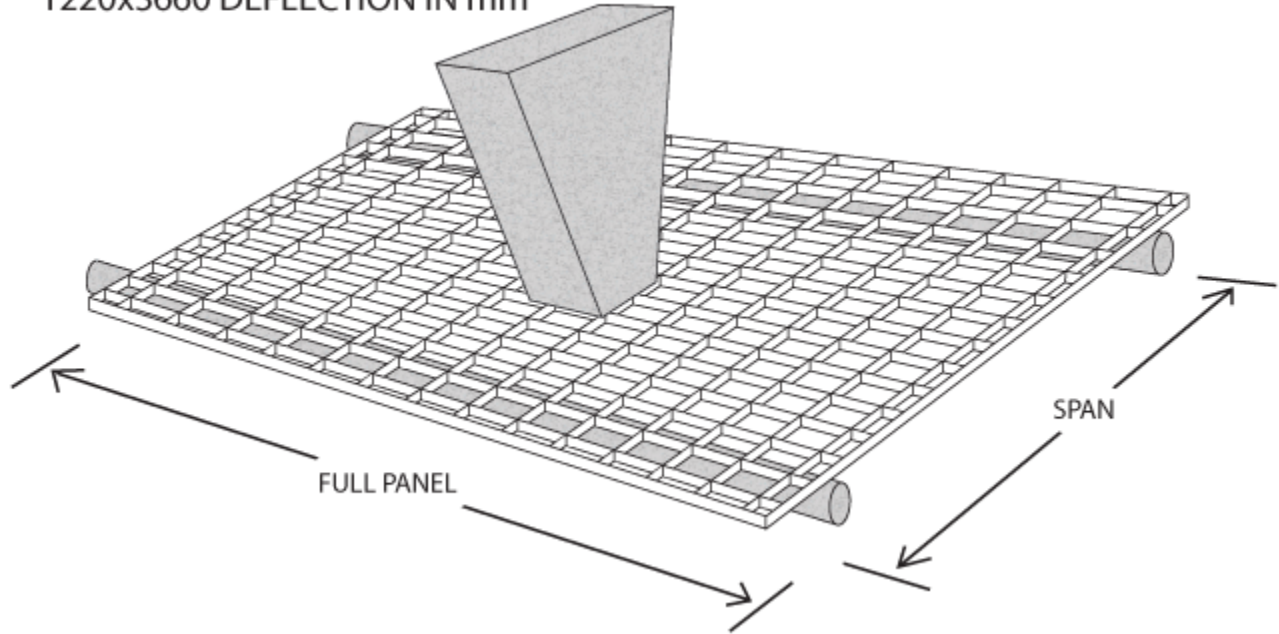
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STAIRCARE **SC-R** MOLDED GRATING LOAD AND DEFLECTION

TABLE

CONCENTRATED POINT LOAD

CONCENTRATED FULL PANEL LOAD
1220x3660 DEFLECTION IN mm



SC-R 25mm Deep, Square Mesh Size 38 x 38							
Deflection	Kg/m						
SPAN	150	370	750	1120	1500	2200	2980
450	0.254	0.686	1.55	2.159	2.667	4.166	5.232
600	0.734	1.651	3.175	4.623	6.121	9.119	12.116
900	1.778	4.445	8.814	13.157	--	--	--
1200	2.946	7.544	15.062	--	--	--	--

SC-R 38mm Deep, Square Mesh Size 38 x 38							
Deflection	Kg/m						
SPAN	150	370	750	1120	1500	2200	2980
450	0.203	0.406	0.711	0.889	1.143	1.676	2.21
600	0.356	0.889	1.499	1.905	2.413	3.531	4.267
900	1.61	1.5	2.9	4.14	5.41	7.95	10.566
1200	0.914	2.388	4.699	6.96	9.195	13.665	--

SC-R 30mm Deep, Mini Mesh Size 20 x20 /40 x 40					
Deflection	Kg/m				
SPAN	300	500	800	1000	1500
450	2.485	3.914	6.190	7.562	11.565
1000	5.523	8.698	13.756	16.805	25.710

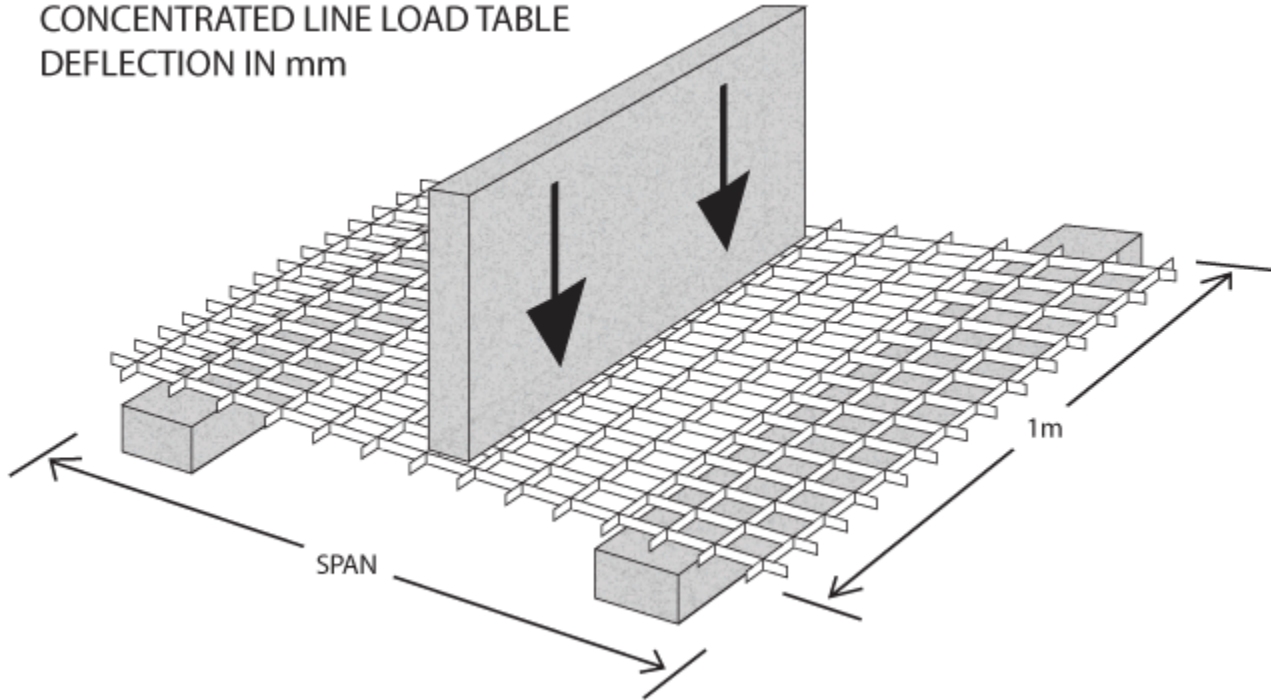
SC-R 25mm Deep, Rectangular Mesh Size 100 x 25							
Deflection	Kg/m						
SPAN	150	370	750	1120	1500	2200	2980
450	0.279	0.686	1.448	2.209	2.718	4.191	5.41
600	0.711	1.524	3.531	4.623	6.02	9.22	12.294
900	1.626	3.962	7.823	11.811	--	--	--
1200	--	--	--	--	--	--	--

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STAIRCARE SC-R PULTRUDED GRATING LOAD AND DEFLECTION
TABLE

CONCENTRATED LINE LOAD

CONCENTRATED LINE LOAD TABLE
DEFLECTION IN mm



SC-R I Beam Construction I-6015, 38mm Deep							
KG/M							
SPAN	300	450	750	1500	3000	5950	Max Load
450	--	0.25	0.51	0.76	2.03	3.81	17472
600	0.51	0.76	1.02	2.29	4.32	8.38	13108
900	1.27	2.03	3.3	6.1	12.5	25.15	8460
1200	2.79	4.32	7.11	14.22	28.5	56.9	6047

STAIRCARE SC-R PULTRUDED GRATING LOAD AND DEFLECTION
TABLE

UNIFORM LOAD

UNIFORM LOAD TABLE
 DEFLECTION IN mm



SC-R I Beam Construction I-6015, 38mm Deep							
KG/M							
SPAN	1000	1900	3900	7000	9500	19500	Max load
450	0.25	0.25	0.76	1.27	1.78	3.56	79430
600	0.51	1.02	1.789	3.3	4.57	8.89	43004
900	2.29	4.06	7.87	14.7	--	--	18570
1200	6.6	12.95	--	--	--	--	9920

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