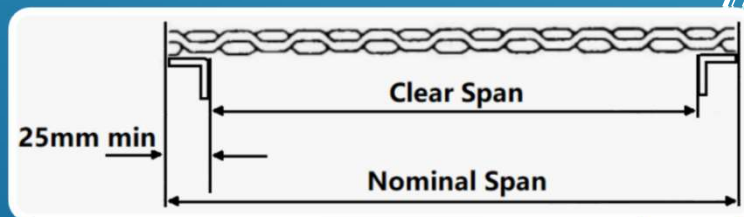


Loading Tables For Expanded Metal

Specifications and Load / Span Tables															
Cat No.	Load Condition	Loading Criteria	Simple Span -mm				Double Span - mm				Triple Span - mm				
			600	750	900	1200	300	380	450	600	200	250	300	400	
WM 50075	Uniform Load (KN/m ²)	Load Capacity Deflection Span/240 Load Span/360	5.80	3.70	2.60	1.50	23.40	14.90	10.50	6.00	50.40	35.90	24.90	14.30	
			11.30	5.90	3.40	1.50				14.10					
			9.60	3.90	2.20	0.90			20.20	9.70				30.30	
	Point Load (KN)	Load Capacity Deflection Span/180 Load Span/240	1.30	1.01	0.84	0.63	2.90	2.31	1.93	1.50	4.50	3.74	3.12	2.38	
1.14			0.73	0.52	0.29	6.19	3.96	2.76	1.60			5.87	3.38		
0.85			0.55	0.38	0.21	4.63	2.97	2.06	1.19		6.32	4.43	2.53		
WM 50075/A	Uniform Load (KN/m ²)	Load Capacity Deflection Span/240 Load Span/360	4.90	3.20	2.25	1.20	20.10	12.70	8.90	5.10	40.00	30.80	21.50	12.20	
			4.30	2.30	1.30	0.60		21.40	12.80	5.60			40.50	17.40	
			2.90	1.50	0.90	0.30	28.40	4.20	8.40	3.70	73.40	46.60	27.50	11.70	
	Point Load (KN)	Load Capacity Deflection Span/180 Load Span/240	1.10	0.86	0.72	0.54	2.49	1.97	1.67	1.24	3.98	3.20	2.69	2.02	
0.43			0.28	0.19	0.11	2.36	1.49	1.05	0.60	4.38	3.18	2.22	1.27		
0.32			0.21	0.14	0.08	1.78	1.12	0.79	0.45	3.45	2.39	1.69	0.95		
WM 50080	Uniform Load (KN/m ²)	Load Capacity Deflection Span/240 Load Span/360	4.90	3.10	2.25	1.22	20.00	12.60	8.90	5.20	43.85	30.30	21.40	12.14	
			9.90	5.10	3.00	1.20				12.50					
			6.60	3.40	2.00	0.80			19.40	8.40				26.30	
	Point Load (KN)	Load Capacity Deflection Span/180 Load Span/240	1.00	0.85	0.74	0.53	2.50	1.95	1.68	1.27	4.00	3.17	2.68	2.00	
0.99			0.63	0.44	0.25			3.24	2.40	1.38			4.98	2.89	
0.73			0.48	0.33	0.19	4.01	2.56	1.82	1.02		5.41	3.80	2.18		
50080/A	Uniform Load (KN/m ²)	Load Capacity Deflection Span/240 Load Span/360	4.50	3.00	2.00	1.10	18.40	11.70	8.50	4.70	40.20	28.40	19.80	11.40	
			3.80	2.00	1.10	0.50	37.30	18.90	11.10	4.80			35.60	15.40	
			2.50	1.30	0.80	0.30	24.70	12.50	7.50	3.10	64.30	40.80	23.70	10.30	
	Point Load (KN)	Load Capacity Deflection Span/180 Load Span/240	1.00	0.85	0.74	0.53	2.50	1.95	1.68	1.27	3.65	2.97	2.48	1.87	
0.99			0.63	0.44	0.25			3.24	2.40	1.38			4.98	1.93	
0.73			0.48	0.33	0.19	4.01	2.56	1.82	1.02	3.03	2.08	1.45	0.86		
WM 50110	Uniform Load (KN/m ²)	Load Capacity Deflection Span/240 Load Span/360	6.43	4.20	2.90	1.70	26.73	16.60	11.90	6.70	56.00	40.00	28.20	16.00	
				9.40	5.50	2.20				22.90				73.10	
			6.40	3.70	1.50				15.30				49.20		
	Point Load (KN)	Load Capacity Deflection Span/180 Load Span/240	0.44	0.13	0.96	0.72	3.23	2.58	2.18	1.65	4.98	4.17	3.49	2.67	
0.82			0.18	0.82	0.47				2.58				5.38		
0.37			0.89	0.62	0.35		4.76	3.38	1.91			7.07	4.11		
WM 50110/A	Uniform Load (KN/m ²)	Load Capacity Deflection Span/240 Load Span/360	5.40	3.60	2.50	1.40	22.30	16.60	11.90	6.70	49.10	34.40	24.10	13.90	
			6.40	3.30	1.90	0.80			16.60	8.10				25.80	
			4.20	2.20	1.20	0.60	41.70	21.10	11.10	5.40			40.10	17.40	
	Point Load (KN)	Load Capacity Deflection Span/180 Load Span/240	1.21	0.97	0.81	0.60	2.79	2.21	1.87	1.49	4.38	3.60	3.00	2.29	
0.64			0.41	0.29	0.16	3.49	2.21	1.56	0.81	6.34	4.69	3.27	1.89		
0.48			0.31	0.21	0.12	3.62	1.65	1.16	0.66	4.78	5.51	2.53	1.41		
WM 50105	Uniform Load (KN/m ²)	Load Capacity Deflection Span/240 Load Span/360	8.20	5.30	3.65	2.00	33.20	21.10	15.80	8.50	69.30	51.10	35.40	20.10	
			18.30	9.60	5.50	2.40								49.20	
			12.30	6.40	3.70	1.50			35.70	15.50					
	Point Load (KN)	Load Capacity Deflection Span/180 Load Span/240	1.80	1.43	1.20	0.90	4.12	3.29	2.76	2.08	6.28	5.29	4.49	3.38	
1.84			1.19	0.83	0.46		6.40	4.51	2.58			10.67	5.34		
0.37			0.89	0.62	0.35	7.54	4.80	3.40	1.91		10.14	7.07	4.09		
WM 50105/A	Uniform Load (KN/m ²)	Load Capacity Deflection Span/240 Load Span/360	6.50	4.40	3.00	1.70	27.50	17.30	12.30	7.00	58.10	42.30	29.60	17.00	
			6.60	3.50	2.00	0.90		33.00	19.40	8.50				27.20	
			4.40	2.30	1.40	0.60	43.50	22.10	13.00	5.60	108.00	72.20	42.10	17.90	
	Point Load (KN)	Load Capacity Deflection Span/180 Load Span/240	1.50	1.19	1.00	0.74	3.41	2.71	2.29	1.72	5.31	4.40	3.39	2.78	
0.67			0.44	0.30	0.17	3.68	2.31	1.63	0.92	6.60	4.91	3.42	1.98		
0.50			0.32	0.22	0.13	2.75	1.73	1.22	0.70	4.96	3.69	2.58	1.49		

Cat No.	Load Condition	Loading Criteria	Simple Span -mm					Double Span - mm					Triple Span - mm				
			200	300	400	500	600	200	300	400	500	600	200	300	400	500	600
WM 30080/F	Uniform Load (KN/m ²)	Load capacity	14.00	4.59	1.54	0.60	0.29	14.00	6.22	3.48	1.44	0.70	16.41	7.29	2.88	1.19	0.58
	Point Load (KN)	Load capacity	0.92	0.58	0.24	0.13	0.07	1.13	0.76	0.56	0.31	0.19	1.22	0.82	0.48	0.25	0.15



Assumption

The selection guide assumes mesh spans in the direction of long way mesh having a minimum of every fourth strand welded on support and minimum 25mm end bearing.

General conditions

- Spanning recommended based on the deflection are not exceeding span/200 when subjected to the loads given in the tables.
- Spans stated in the table are nominal. Clear spans can be calculated by deducting 25mm from both ends.
- Load capacities given in table are the heaviest loads that will cause no permanent deformation, with a built-in safety factor of 40% if a slight deformation or sag is allowed.