



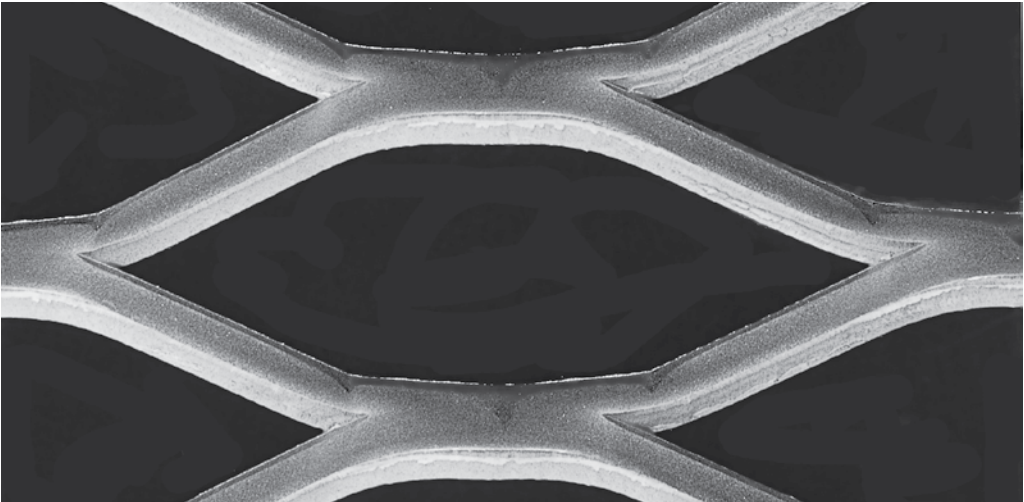
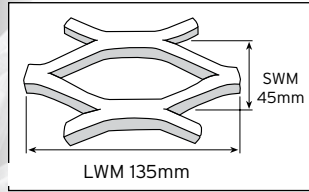
A **valmont**  COMPANY

Expanded Metal Walkway

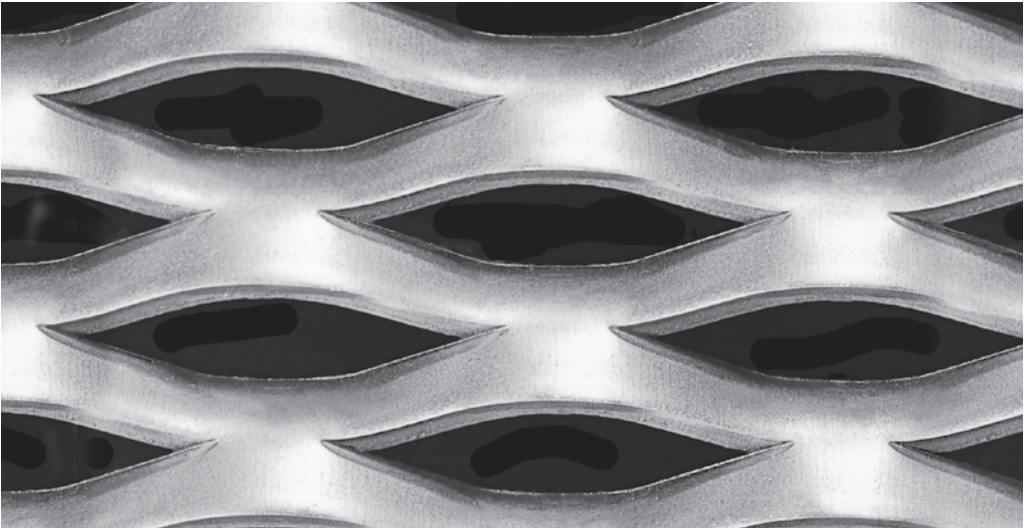
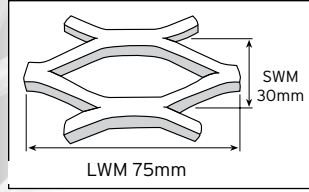


GRIDWALK WALKWAY

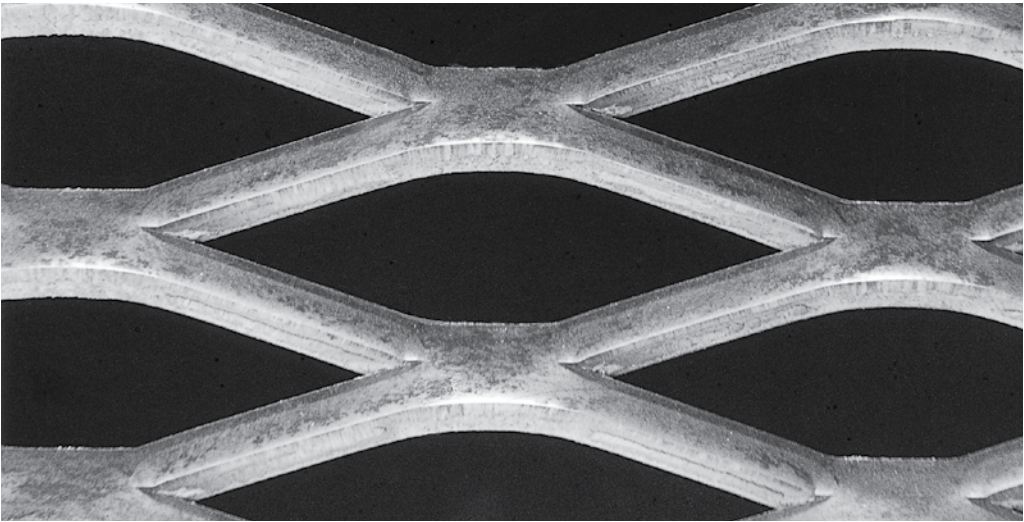
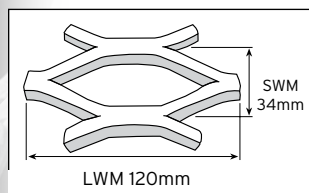
WK 45 Profile



WK 30 Profile



WK 34 Profile



GRIDWALK™ (WK) - STEEL

Mesh Reference	Standard Nominal Sheet Sizes (mm)		Nominal Size of Mesh (mm)		Nominal Size of Mesh Opening (mm)		Approx. Strand Size (mm)		Weight Kg/m2	Overall Height (mm)
	LW	SW	LWM	SWM	LWO	SWO	Width	Thick		
WK4514	*	3000	135	45	96	32	8.0	5.0	14.0	15.0
WK4519	*	3000	135	45	96	32	11.0	5.0	19.0	21.0
WK3022	*	3000	75	30	53	15	7.8	5.0	22.0	13.0
WK3028	*	3000	75	30	50	12	10.5	5.0	28.0	15.0
WK3414	*	3000	120	34	85	24	6.4	5.0	14.0	13.0
WK3419	*	3000	120	34	84	23	8.4	5.0	19.0	16.0
WK3422	*	3000	120	34	80	19	9.6	5.0	22.0	18.0
WK3428	*	3000	120	34	80	19	10.4	6.0	28.0	19.0
WK2517	*	3000	60	25	42	16	5.6	5.0	17.0	11.0
WK2517F	1200	2400	60	25	44	15	5.6	5.0	17.0	5.0

*Gridwalk LW Standard Sizes 600, 750, 900 and 1200
Available in Mild Steel, Hot Dipped Galv.
Stainless Steel available - conditions apply
Gridwalk is galvanised to AS4680

Non standard sheet sizes available. Conditions apply

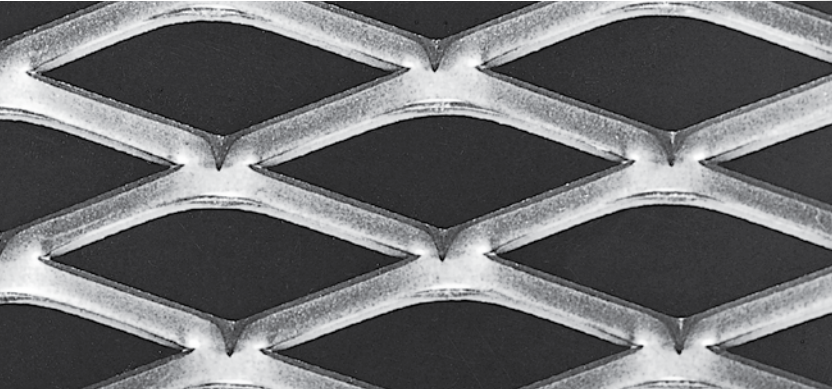
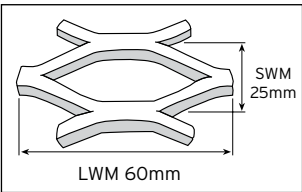
GRIDWALK™ (WK) - ALUMINIUM

WK4505A	1200	3000	135	45	96	32	8.0	5.0	5.0	15.0
WK4507A	1200	3000	135	45	96	32	11.0	5.0	7.0	21.0
WK3007A	1200	3000	75	30	53	15	7.8	5.0	7.0	13.0
WK3010A	1200	3000	75	30	50	12	11.0	5.0	10.0	15.0
WK3012A	1200	3000	75	30	50	12	11.0	6.0	12.0	15.0

For manufacturing tolerances, see website
Technical Manual - Expanded Metal
See Technical Data Sheet LIF105.1 for slip test results

Non standard sheet sizes available. Conditions apply

WK25 Profile



GRIPWALK WALKWAY

GRIDWALK LOAD DEFLECTION TABLES

GRIPWALK™ (GRIP) - STEEL										
Mesh Reference	Standard Nominal Sheet Sizes (mm)		Nominal Size of Mesh (mm)		Nominal Size of Mesh Opening (mm)		Approx. Strand Size (mm)		Weight Kg/m²	Overall Height (mm)
	LW	SW	LWM	SWM	LWO	SWO	Width	Thick		
GRIP 14	*	3000	120	34	85	24	6.4	5.0	14.0	13.0
GRIP 19	*	3000	120	34	84	23	8.4	5.0	19.0	16.0
GRIP 22	*	3000	120	34	80	19	9.6	5.0	22.0	18.0
GRIP 28	*	3000	120	34	80	19	10.4	6.0	28.0	19.0

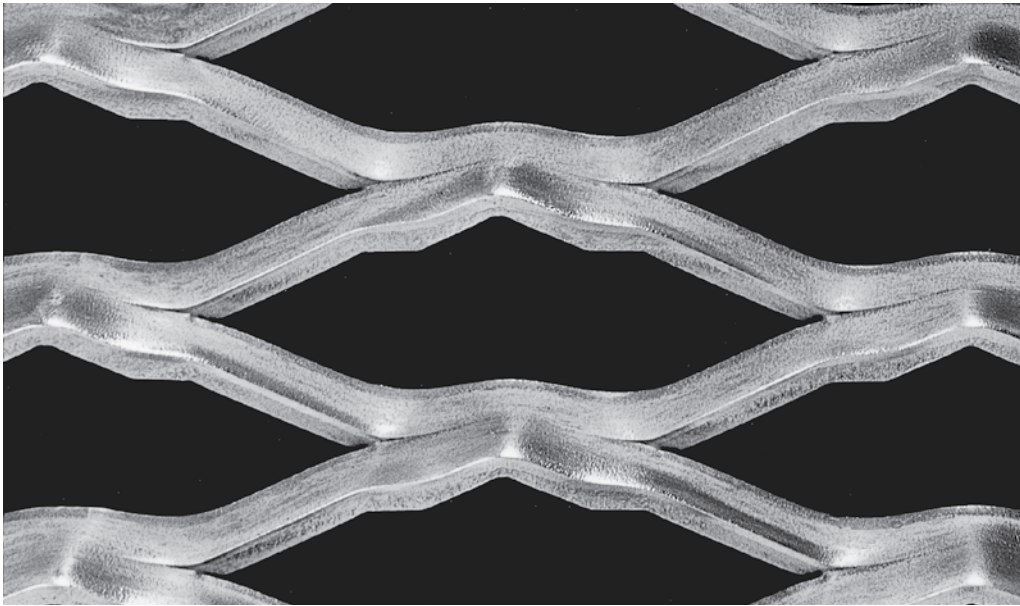
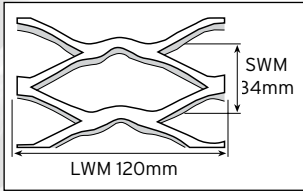
Gripwalk Standard LW sizes, 600, 750, 900, 1200 available in Mild Steel and Hot Dipped galvanised

Non standard sheet sizes available. Conditions apply.

GRIPWALK™ (GRIP) - ALUMINIUM										
GRIP 05A	1200	3000	120	34	85	24	6.4	5.0	5.0	13.0
GRIP 07A	1200	3000	120	34	84	23	8.4	5.0	7.0	16.0
GRIP 08A	1200	3000	120	34	80	19	9.6	5.0	8.0	18.0
GRIP 10A	1200	3000	120	34	80	19	10.4	6.0	10.0	19.0

Non standard sheet sizes available. Conditions apply

Grip 14 Profile



STEEL								
Span mm	Gridwalk Type	UDL kPa						AS1170 UDL Design Capacity (Kpa)
		2.5	3	4	5	7	10	
600	WK2517	1.42	1.7	2.27	2.83	3.97	5.67	22.2
	WK2519	1.11	1.34	1.78	2.23	3.12	4.45	29.7
	WK3022	1.06	1.27	1.69	2.12	2.96	4.23	43
	WK3028	0.56	0.67	0.9	1.12	1.57	2.24	47.7
	WK3414	1.41	1.69	2.26	2.82	3.95	5.65	24
	WK3419	0.85	1.02	1.36	1.7	2.38	3.4	26.8
	WK3422	0.71	0.85	1.14	1.42	1.99	2.85	34.7
	WK3428	0.69	0.83	1.11	1.38	1.94	2.77	42.3
	WK4514	1.12	1.35	1.8	2.24	3.14	4.49	20.6
	WK4519	0.73	0.87	1.16	1.46	2.04	2.91	26.8

STEEL								
Span mm	Gridwalk Type	UDL kPa						AS1170 UDL Design Capacity (Kpa)
		2.5	3	4	5	7	10	
900	WK2517	10.07						11.3
	WK2519	7.17	8.6	11.47	14.33			13.1
	WK3022	6.64	7.97	10.63	13.28	18.59		16.2
	WK3028	4.18	5.02	6.69	8.36	11.71	16.72	18.4
	WK3414	8.19	9.82	13.1	16.37			13.5
	WK3419	4.2	5.04	6.72	8.4	11.76	16.8	15.7
	WK3422	4.01	4.82	6.42	8.03	11.24	16.06	16.1
	WK3428	2.82	3.39	4.52	5.65	7.91	11.3	21.3
	WK4514	5.01	6.02	8.02	10.03	14.04		11.3
	WK4519	3.51	4.21	5.62	7.02	9.83	14.05	15.6

STEEL								
Span mm	Gridwalk Type	UDL kPa						AS1170 UDL Design Capacity (Kpa)
		2.5	3	4	5	7	10	
1200	WK2517	20.41	24.49					9.1
	WK2519	13.57	16.28	21.71				12.9
	WK3022	12.9	15.48	20.63				12.7
	WK3028	7.25	8.7	11.6	14.5	20.3		12.2
	WK3414	18.87						6
	WK3419	10.77	12.92	17.23	21.54			8.2
	WK3422	9.14	10.96	14.62	18.27			14
	WK3428	7.1	8.52	11.37	14.21	19.89		17
	WK4514	15.51	18.62	24.82				8.2
	WK4519	12.06	14.47	19.29	24.11			13.4

ALUMINIUM								
Span mm	Expanded Type	UDL kPa						AS1170 UDL Design Capacity (Kpa)
		2.5	3	4	5	7	10	
600	WK3007A	2.12	2.55	3.4	4.24	5.94	4.96	25.1
	WK3010A	1.24	1.49	1.99	2.48	3.48		30
	WK4505A	3.41	4.09	5.46				18.5
	WK4507A	2.08	2.5	3.33	4.17	5.84		23.8

1. The table above provides load capacities for Gridwalk based on the LWM direction over a clear span, with every third strand welded to the support with a minimum landing of 25mm.

2. Gridwalk and Gripwalk™ expanded metal walkway meshes behave like a net; even when heavily overloaded they can carry loads far in excess of the recommended data shown. The inherent properties of expanded metal walkway meshes provide maximum safety pursuant to complete failure.

3. A load of 102kgs approximates 1kN force. A load of 102kgs/m² approximates 1kPa.

4. U = Uniformly distributed load in Kilopascals.
D = Deflection in Millimetres
C = Concentrated loads in Kilonewtons have been applied through a 100mm diameter plate. They correspond to a localised deflection of 10mm.

5. When installed to specification, Gridwalk is compliant with AS1657

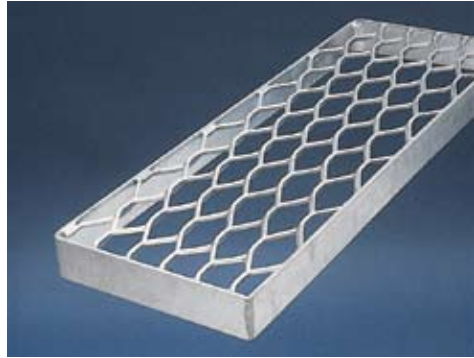
Notes: Tables show deflection under respective UDL load at the nominated span.

Stairtreads can be supplied in all walkway profiles as listed in the walkway and platform range. Custom stairtreads are also available to suit individual requirements. Contact your nearest **Locker Group** sales office for more details.

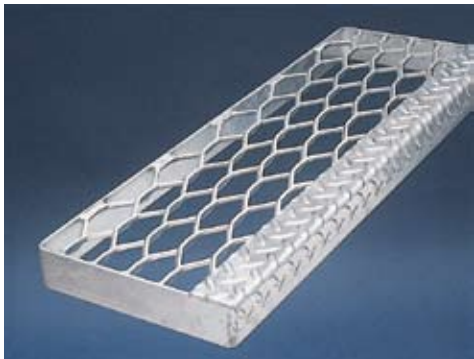
When ordering or requesting a quotation, please provide the following information.

- **Style of Tread**
- EMTI-EMT6
- **Walkway profile**
- **Size required LxD**
- **Number required**
- **Finish**

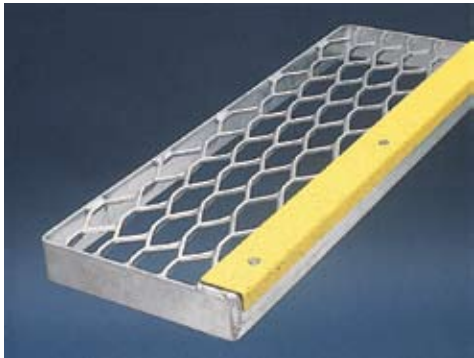
N/B Minimum order quantity (10 treads) per style and size



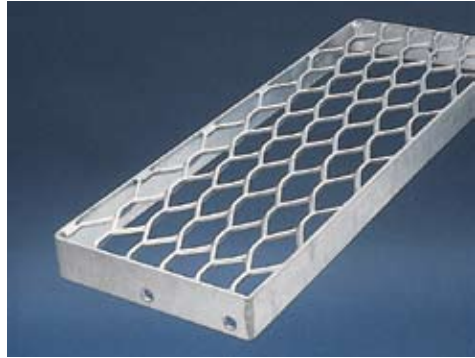
EMT1 – Welded fixing, banded ends, no nosing.



EMT3 – Welded fixing, banded ends, floor plate nosing.



EMT5 – Welded fixing, banded ends, abrasive nosing.



EMT2 – Bolted fixing, holed end plates, no nosing.

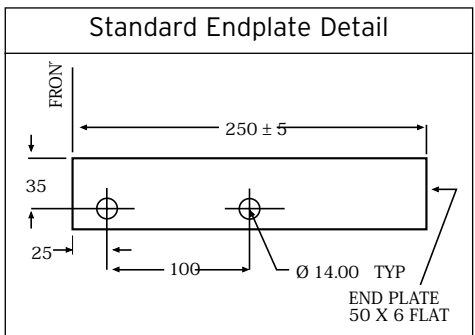


EMT4 – Bolted fixing, holed end plates, floor plate nosing.



EMT6 – Bolted fixing, holed end plates, abrasive nosing.

Standard Tread Sizes	
LW (mm)	SW (mm)
600	250
750	250
900	250
1000	250
1200	250



Fixing details using removable fixings

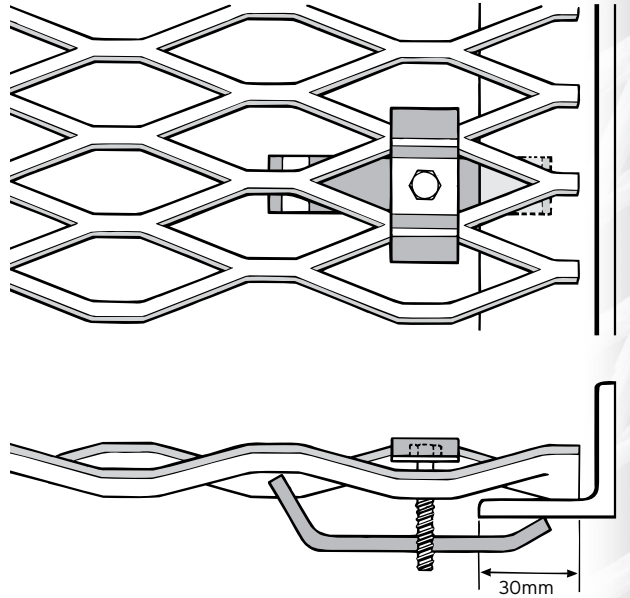
Locker Group can supply a clip suitable for fixing sheets of expanded metal grating directly to structural steelwork. This consists of an upper saddle engaging over two knuckles of the grating with a screw passing through the saddle and tightening into a lower clamping strip which engages with the bottom edge of a knuckle. The advantage of this arrangement is that the need to tighten a nut from below is eliminated. With saddle and clamping strip held together by the screw, the end of the clamping strip is worked through the grating, positioned correctly and screw tightened.



WK34 Fixing Clip
To suit the following profiles: WK3414, WK3419, WK3422, WK3428, WK2517, WK1225, GRIP14, GRIP19, GRIP22, GRIP28



WK45 Fixing Clip
To suit the following profiles:- WK4514, WK4519, WK3022, WK3028, GRIP4514, GRIP4519.



The ends of Gridwalk/Gripwalk grating should bear on structural supports. Minimum overlap 30mm. Adjoining sheets must be lapped at least one mesh and clamped. The strands of adjoining sheets should slope in same direction.
Note: Maximum recommended distance between fixing clips is 750mm.





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