



GRATINGS

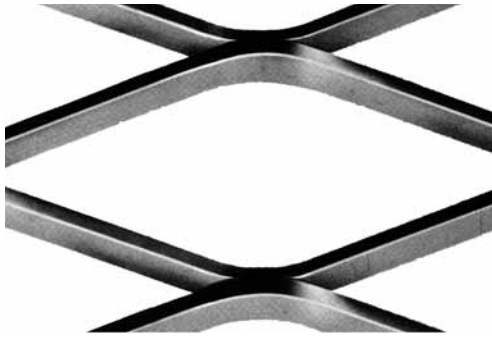
Walkways & Stairtreads



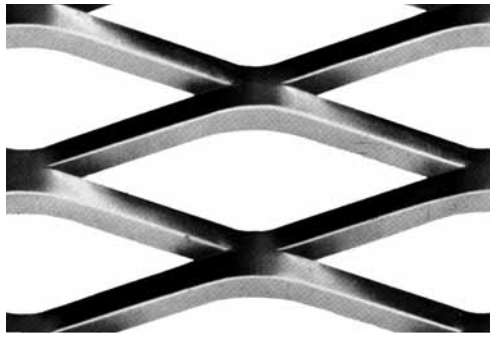
NILES EXPANDED METALS & PLASTICS

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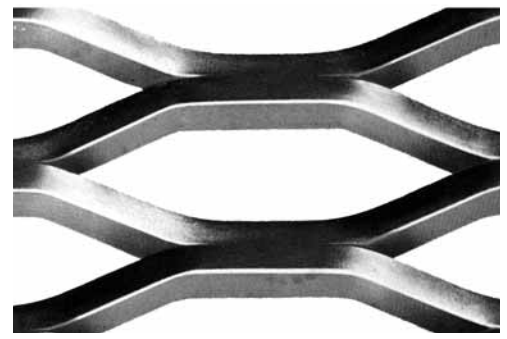
GRATING PATTERNS



3.14# GRATING
Same configuration
for 3.3#
STAINLESS GRATING



4.27# GRATING
Same configuration
for 4.5#
STAINLESS GRATING



7# GRATING
Same configuration
for 3.0#, 4.0#, 5.0#, 6.25# CARBON
and 2.0# ALUMINUM GRATINGS

CARBON STEEL GRATING

Style	Lbs. Per 100 Sq. Ft.		Standard Sheet Size (Feet)		Design Size (Inches)		Opening Size (Inches)		Size of Strands In Inches		Overall Thickness Inches	No. of Designs Per Foot		Percent Open Area
	Plain	Galv. Wt.	Width SWD	Length LWD	SWD	LWD	SWO	LWO	Width	Thickness		SWD	LWD	
3 lb.	300	3.15	4 & 6	8 & 10	1.330	5.330	0.940	3.440	0.264	0.183	0.540	9.0	2.250	60
3.14 lb.	314	3.30	4 & 6	8 & 10	2.000	6.000	1.625	4.880	0.312	0.250	0.656	6.0	2.000	69
4 lb.	400	4.18	4 & 6	8 & 10	1.330	5.330	0.940	3.440	0.300	0.215	0.618	9.0	2.250	55
4.27 lb.	427	4.46	4 & 6	8 & 10	1.410	4.000	1.000	2.880	0.300	0.250	0.625	8.5	3.00	58
5 lb.	500	5.20	4 & 6	8 & 10	1.330	5.330	0.813	3.380	0.331	0.250	0.655	9.0	2.250	50
6.25 lb.	625	6.47	4 & 6	8 & 10	1.410	5.330	0.813	3.380	0.350	0.312	0.715	8.5	2.250	50
7 lb.	700	7.25	4 & 6	8 & 10	1.410	5.330	0.813	3.380	0.391	0.312	0.740	8.5	2.250	45

Aluminum 5052 H-32 - Grating

Style	Lbs. Per 100 Sq. Ft.		Standard Sheet Size (Feet)		Design Size (Inches)		Opening Size (Inches)		Strand Size (Inches)		Overall Thickness	No. of Designs Per Sq. Foot		Percent Open Area
	Plain	--	Width SWD	Length LWD	SWD	LWD	SWO	LWO	Width	Thickness		SWD	LWD	
2.0 lbs.	2.0	--	4	8	1.33	5.33	.940	3.44	.387	.250	.730	9	2.25	48
			5	10 & 12										

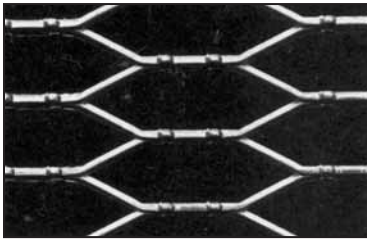
Stainless 304 - Grating

Style	Lbs. Per 100 Sq. Ft.		Standard Sheet Size (Feet)		Design Size (Inches)		Opening Size (Inches)		Strand Size (Inches)		Overall Thickness	No. of Designs Per Sq. Foot		Percent Open Area
	Plain	--	Width SWD	Length LWD	SWD	LWD	SWO	LWO	Width	Thickness Gauge		SWD	LWD	
3.3 lbs.	3.3	--	4	10	2.00	6.0	1.625	4.88	.312	.250	.656	6	2	69
4.5 lbs.	4.5	--	4	10	1.41	4.0	1.000	2.88	.300	.250	.625	8.5	3	58

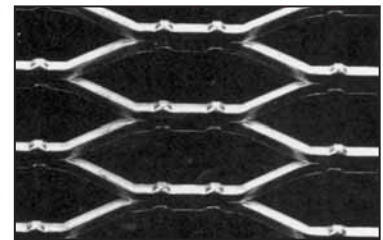
All weights, gauges and dimensions are approximate.

PROJECTION MESH - CARBON STEEL

Projection Mesh - Carbon Steel														
Style	Lbs. Per Sq. Ft.		Standard Sheet Size (Inches)		Design Size (Inches)		Opening Size (Inches)		Strand Size (Inches)		Overall Thickness	No. of Designs Per Sq. Foot		Percent Open Area
	Plain	Galv. Wt.	Width SWD	Length LWD	SWD	LWD	SWO	LWO	Width	Thickness Gauge		SWD	LWD	
1.87 lbs.	187	196	48	100	1.13	5.00	.880	3.19	.187	.135	.438	10.6	2.4	67
3.0 lbs.	300	315	Special Order		1.13	5.00	.750	3.12	.250	.160	.625	10.6	2.4	56



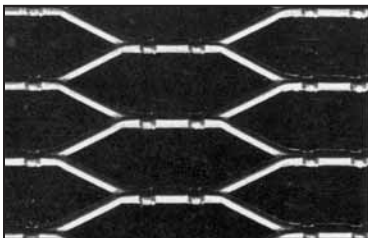
1.87 LB. PROJECTION MESH



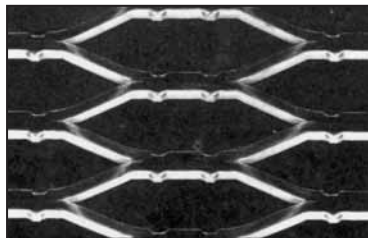
3.0 LB. PROJECTION MESH

PROJECTION MESH - ALUMINUM

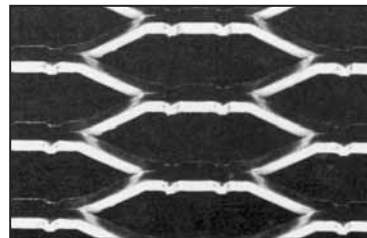
Projection Mesh - Aluminum													
Style	Lbs. Per Sq. Ft.	Standard Sheet Size (Feet)	Design Size (Inches)		Opening Size (Inches)		Size of Strands (Inches)		Overall Thickness (Inches)	No. of Designs Per Foot		Percent Open Area	
			SWD	LWD	SWO	LWO	Width	Thickness		SWD	LWD		
	Aluminum												
XL-100-A	100	Special Order	1.13	5.00	.855	3.12	.250	.160	.550	10.6	2.4	54	
XL-125-A	125	Special Order	1.13	5.00	.825	3.12	.270	.190	.562	10.6	2.4	50	
XL-150-A	150	Special Order	1.30	5.00	.760	3.12	.270	.250	.650	10.6	2.4	60	
XL-190-A	190	Special Order	1.35	5.00	.770	3.12	.360	.250	.810	8.5	2.4	46	



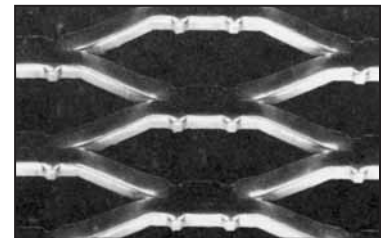
XL-100-A



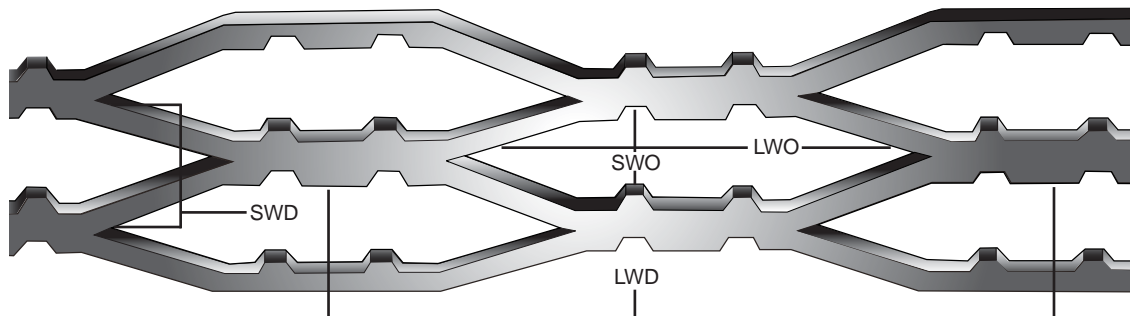
XL-125-A



XL-150-A



XL-190-A



CARBON STEEL PROJECTION MESH LOAD TABLES

Style	Load Condition	Span (inches)	Load Pounds - Deflection in inches							
			50 lbs.	100 lbs.	150 lbs.	200 lbs.	250 lbs.	300 lbs.	350 lbs.	400 lbs.
1.87		12	.01	.02	.03	.04	.05	.06	.09	.11
	U		.01	.02	.03	.04	.05	.07		
	C									
	U	18	.04	.08	.12	.16	.20	.24	.30	
	C		.04	.09	.14	.20	.24	.29		
	U	24	.10	.22	.35					
C	.12		.25	.37						
U	30	.22	.40							
C		.29								

Style	Load Condition	Span (inches)	Load Pounds - Deflection in inches							
			50 lbs.	100 lbs.	150 lbs.	200 lbs.	250 lbs.	300 lbs.	350 lbs.	400 lbs.
3.0		18	.01	.03	.05	.07	.09	.12	.16	.19
	U		.02	.03	.05	.07	.10	.13	.16	.20
	C									
	U	24	.04	.09	.14	.20	.27	.34		
	C		.05	.10	.16	.25				
	U	30	.08	.17	.30					
C	.12		.25							
U	36	.16	.32							
C										

ALUMINUM PROJECTION MESH LOAD TABLES

Style	Load Condition	Span (inches)	Load Pounds - Deflection in inches							
			50 lbs.	100 lbs.	150 lbs.	200 lbs.	250 lbs.	300 lbs.	350 lbs.	400 lbs.
XL-100-A		12	.008	.019	.030	.043	.054	.066		
	U		.041	.064	.085	.105	.126	.141		
	C									
	U	18	.011	.025	.040	.061	.089	.180	.135	
	C		.128	.166	.227	.273	.306	.365	.406	
	U	24	.025	.075	.140	.213				
C	.180		.342	.495	.694					
U	30	.037	.210	.460						
C		.295	.566	.787						

Style	Load Condition	Span (inches)	Load Pounds - Deflection in inches							
			50 lbs.	100 lbs.	150 lbs.	200 lbs.	250 lbs.	300 lbs.	350 lbs.	400 lbs.
XL-125-A		12	.005	.007	.009	.012	.015	.018		
	U		.050	.075	.095	.108	.124	.134		
	C									
	U	18	.009	.022	.038	.055	.081	.103	.124	
	C		.052	.093	.123	.154	.186	.211	.246	
	U	24	.020	.071	.131	.209	.315			
C	.124		.249	.345	.474	.592				
U	31	.020	.045	.080	.200					
C		.220	.416	.615	.715					

Style	Load Condition	Span (inches)	Load Pounds - Deflection in inches							
			50 lbs.	100 lbs.	150 lbs.	200 lbs.	250 lbs.	300 lbs.	350 lbs.	400 lbs.
XL-150-A		18	.019	.041	.057	.081	.090	.102	.114	
	U		.080	.127	.167	.209	.246	.282	.282	.302
	C									
	U	24	.025	.060	.092	.140	.191	.290		
	C		.236	.332	.435	.503	.593	.681		
	U	30	.028	.071	.104	.182	.210	.334		
C	.255		.359	.511	.654	.790	.939			
U	36	.030	.190	.400						
C		.350	.626	.946						

Style	Load Condition	Span (inches)	Load Pounds - Deflection in inches							
			50 lbs.	100 lbs.	150 lbs.	200 lbs.	250 lbs.	300 lbs.	350 lbs.	400 lbs.
XL-190-A		18	.011	.028	.045	.062	.077	.089	.098	
	U		.046	.081	.112	.133	.160	.180	.206	
	C									
	U	24	.015	.049	.084	.121	.148	.162	.185	
	C		.052	.117	.167	.217	.267	.315	.380	
	U	30	.019	.055	.098	.161	.189	.210		
C	.096		.181	.260	.342	.429	.505			
U	36	.022	.133	.260	.390	.520				
C		.240	.392	.562	.712	.885				

CARBON STEEL

STYLE (LB. PER SQ. FT)	FIXED SPAN			
		24"	36"	48"
3	U	.275	.100	
	D	.250	.220	
	C	.275	.165	.075
	D	.250	.250	.250
3.14	U	.375	.150	.050
	D	.250	.240	.250
	C	.375	.155	.075
	D	.250	.250	.250
4	U	.350	.150	.050
	D	.240	.245	.250
	C	.440	.220	.100
	D	.250	.250	.250
4.27	U	.500	.165	.060
	D	.245	.245	.250
	C	.400	.225	.100
	D	.250	.240	.250
5	U	.600	.175	.100
	D	.240	.240	.250
	C	.540	.310	.140
	D	.245	.250	.250
6.25	U	.800	.300	.115
	D	.220	.250	.240
	C	.800	.300	.150
	D	.220	.240	.240
7	U	.800	.400	.165
	D	.210	.250	.240
	C	.800	.350	.175
	D	.220	.240	.250

ALUMINUM

2.0	C	.250	.100	.050
	D	.250	.250	.250

STAINLESS STEEL

3.30	C	--	.150	.050
	D	--	.197	.135
4.50	C	.300	.150	.100
	D	.217	.192	.212

CARBON STEEL

STYLE (LB. PER SQ. FT)	FREE SPAN			
		24"	36"	48"
3	C	.100	.050	.050
	D	.177	.402	.515
3.14	C	.200	.100	.050
	D	.255	.583	.275
4	C	.200	.100	.050
	D	.237	.491	.615
4.27	C	.200	.100	.050
	D	.223	.217	.330
5	C	.350	.100	.050
	D	.240	.408	.372
6.25	C	.400	.100	.050
	D	.249	.247	.270
7	C	.400	.100	.075
	D	.245	.260	.250

ALUMINUM

2	C	.150	.050	--
	D	.231	.257	--

STAINLESS STEEL

3.30	C	.150	.050	--
	D	.248	.300	--
4.50	C	.150	.050	.050
	D	.210	.244	.600