

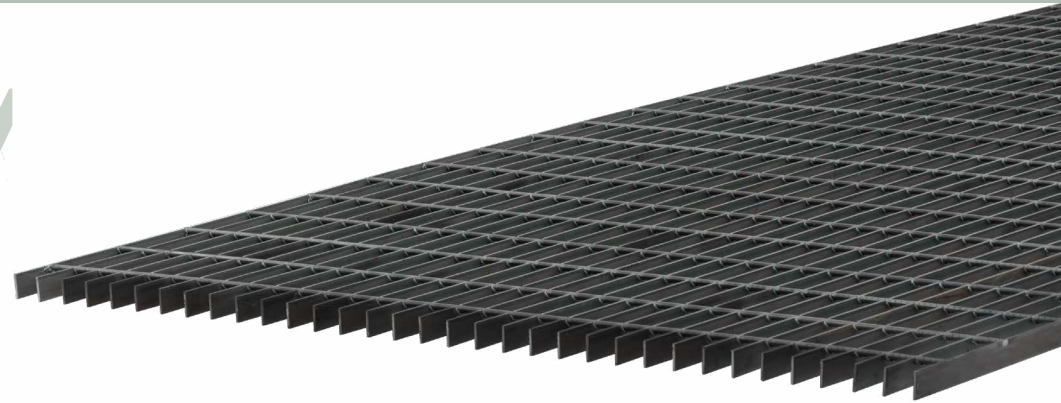
• Rejilla electroforjada de tráfico ligero

Modelo		W19-100		Acero al Carbón																			
Solera	Peralte (mm)	Espesor (mm)	Carga	Kg / m ² -Cm / Deflexión en mm																			
				50	75	100	125	150	175	200	225	250	275										
3/4 X 1/8	19.05	3.175	U	2182.70	1157.519	656.244	415.788																
	19.05	3.175	Du	1.491	3.825	6.819	10.627																
	19.05	3.175	C	604.258	430.939	324.261	258.866																
	19.05	3.175	Dc	1.184	3.059	5.459	8.508																
3/4 X 3/16	19.05	4.762	U	3276.493	1738.721	984.366	621.734																
	19.05	4.762	Du	1.491	3.825	6.819	10.627																
	19.05	4.762	C	907.666	646.468	486.483	387.113																
	19.05	4.762	Dc	1.184	3.059	5.459	8.508																
1/8 X 1	25.4	3.175	U	3886.258	2060.153	1166.285	738.861	511.578	377.113														
	25.4	3.175	Du	1.112	2.862	5.123	7.974	11.48	15.612														
	25.4	3.175	C	1076.392	766.371	576.339	459.713	383.051	328.608														
	25.4	3.175	Dc	0.921	2.296	4.088	6.373	9.168	12.498														
1 X 3/16	25.4	4.762	U	5820.994	3089.846	1748.357	1107.798	769.04	563.145														
	25.4	4.762	Du	1.112	2.862	5.123	7.974	11.48	15.612														
	25.4	4.762	C	1611.495	1150.125	864.418	689.419	573.832	491.783														
	25.4	4.762	Dc	0.921	2.296	4.088	6.373	9.168	12.498														
1 1/4 X 1/8	31.75	3.175	U	6065.449	3222.171	1822.529	1154.649	799.872	587.557	446.838													
	31.75	3.175	Du	0.921	2.296	4.088	6.373	9.168	12.498	16.293													
	31.75	3.175	C	1680.65	1197.311	900.601	717.393	598.11	512.668	448.343													
	31.75	3.175	Dc	0.744	1.827	3.274	5.108	7.341	9.99	13.052													
1 1/4 X 3/16	31.75	4.762	U	9097.488	4828.567	2732.724	1729.532	1199.424	881.502	672.096													
	31.75	4.762	Du	0.921	2.296	4.088	6.373	9.168	12.498	16.293													
	31.75	4.762	C	2519.161	1796.593	1350.901	1076.532	896.422	768.257	671.211													
	31.75	4.762	Dc	0.744	1.827	3.274	5.108	7.341	9.99	13.052													
1 1/2 X 1/8	38.1	3.175	U	8735.688	4634.961	2624.977	1660.243	1149.831	847.158	647.684	510.425	414.801	339.809										
	38.1	3.175	Du	0.758	1.925	3.415	5.321	7.638	10.421	13.572	17.189	21.225	25.675										
	38.1	3.175	C	2418.521	1725.246	1296.392	1034.28	860.238	738.445	644.608	573.48	515.644	469.044										
	38.1	3.175	Dc	0.614	1.53	2.731	4.254	6.111	8.331	10.877	13.766	16.996	20.519										
1 1/2 X 3/16	38.1	4.762	U	13105.97	6954.884	3935.326	2491.819	1726.418	1270.738	969.386	767.502	619.76	509.822										
	38.1	4.762	Du	0.758	1.925	3.415	5.321	7.638	10.421	13.572	17.189	21.225	25.675										
	38.1	4.762	C	3629.596	2587.243	1944.915	1550.525	1291.377	1107.283	967.565	859.653	774.511	703.5										
	38.1	4.762	Dc	0.614	1.53	2.731	4.254	6.111	8.331	10.877	13.766	16.996	20.519										
1 3/4 X 3/16	44.45	4.762	U	17829.67	9468.027	5355.562	3389.776	2349.255	1728.661	1319.78	1041.533	844.249	694.265										
	44.45	4.762	Du	0.653	1.653	2.923	4.549	6.552	8.927	11.652	14.746	18.2	22										
	44.45	4.762	C	4937.683	3521.84	2647.294	2110.512	1757.68	1506.703	1317.124	1171.122	1053.609	957.301										
	44.45	4.762	Dc	0.516	1.308	2.341	3.639	5.246	7.128	9.322	11.794	14.561	17.584										
2 X 3/16	50.8	4.762	U	23288.86	12364.27	6996.173	4428.285	3068.702	2257.462	1722.676	1359.506	1103.851	908.003										
	50.8	4.762	Du	0.556	1.431	2.561	3.989	5.742	7.812	10.179	12.901	15.928	19.243										
	50.8	4.762	C	6448.538	4600.619	3457.203	2756.492	2295.329	1967.955	1719.888	1529.778	1376.148	1249.66										
	50.8	4.762	Dc	0.451	1.159	2.044	3.186	4.584	6.242	8.157	10.318	12.742	15.389										
2 1/4 X 3/16	57.15	4.762	U	29480.05	15648.1	8857.16	5605.373	3883.221	2857.309	2179.28	1723.727	1397.63	1150.817										
	57.15	4.762	Du	0.491	1.282	2.264	3.537	5.101	6.938	9.065	11.476	14.16	17.099										
	57.15	4.762	C	8163.232	5822.208	4376.314	3488.465	2904.325	2491.04	2176.977	1935.268	1741.526	1582.197										
	57.15	4.762	Dc	0.386	1.011	1.823	2.836	4.088	5.546	7.249	9.16	11.324	13.68										
2 1/2 X 3/16	63.5	4.762	U	36394.84	19319.15	10933.64	6920.104	4795.12	3528.201	2692.063	2127.008	1723.612	1417.826										
	63.5	4.762	Du	0.451	1.159	2.044	3.186	4.584	6.242	8.157	10.318	12.742	15.389										
	63.5	4.762	C	10078.14	7187.862	5402.119	4307.319	3585.688	3075.238	2687.453	2389.431	2150.058	1953.226										
	63.5	4.762	Dc	0.372	0.913	1.642	2.546	3.672	5.001	6.526	8.251	10.19	12.327										

U: Carga uniforme permisible (en kg/m²)
 C: Carga concentrada permisible (en kg/m)

Du: Deflexión con carga uniforme (mm)
 Dc: Deflexión con carga concentrada (mm)

En rejilla dentada, considerar un peralte de 1/4" mayor al requerido para soportar la carga señalada.
 NOTA: Te invitamos a que nos consultes la factibilidad de tu proyecto.



• Rejilla electroforjada de tráfico ligero

Acero al Carbón											
Modelo		W11-50	W11-100	W13-50	W13-100	W15-50	W15-100	W16-50	W16-100	W19-50	W119-100
Separación Soleras		17.46	17.46	20.64	20.64	23.81	23.81	24.61	24.61	30.16	30.16
Separación Redondos		50.00	100.00	50.00	100.00	50.00	100.00	50.00	100.00	50.00	100.00
Espesor	Peralte	kg/m ²	kg/m ²	kg/m ²	kg/m ²	kg/m ²	kg/m ²	kg/m ²	kg/m ²	kg/m ²	kg/m ²
1/8	3/4	32.73	30.13	28.43	25.85	25.63	23.02	25.20	22.57	21.33	18.74
	1	41.91	39.31	36.19	33.60	32.44	29.83	31.85	29.22	26.71	24.12
	1 1/4	51.09	48.49	43.94	41.36	39.24	36.63	38.50	35.87	32.09	29.50
	1 1/2	60.27	57.67	51.70	49.11	46.05	43.44	45.14	42.51	37.48	34.88
3/16	3/4	46.50	43.90	40.06	37.48	35.84	33.23	35.17	32.54	29.40	26.81
	1	60.27	57.67	51.70	49.11	46.06	43.44	45.14	42.51	37.48	34.88
	1 1/4	74.03	71.44	63.33	60.75	56.25	53.65	55.11	52.48	45.55	42.95
	1 1/2	87.80	85.21	74.96	72.38	66.46	63.86	65.09	62.45	53.62	51.02
	1 3/4	102.86	99.62	87.87	84.65	77.96	74.71	76.36	73.08	62.98	59.74
	2	116.63	113.39	99.51	96.28	88.17	84.92	86.33	83.05	71.05	67.81
	2 1/4	130.40	127.16	111.14	107.92	98.38	95.13	96.30	93.02	79.12	75.88
	2 1/2	144.17	140.93	122.77	119.55	108.59	105.34	106.27	102.99	87.19	83.95

Para determinar la tabla de cargas permisibles para los modelos restantes se debe de multiplicar por los siguientes factores.

Tipos de rejilla										
Tipos de rejilla	W11-50	W11-100	W13-50	W13-100	W15-50	W15-100	W16-50	W16-100	W19-50	W19-100
Factores	1.5	1.5	1.44	1.44	1.24	1.24	1.23	1.23	Estándar	