

TIPOS SOLERA

Espesores y peraltes de soleras Diámetros de redondo

Tráfico ligero	
1/8" x 3/4"	
1/8" x 1	
1/8" x 1 1/4"	
1/8" x 1 1/2"	
3/16" x 3/4"	
3/16" x 1"	
3/16" x 1 1/4"	
3/16" x 1 1/2"	
3/16" x 2"	
3/16" x 2 1/2"	

Solera				Redondo	
ESPESOR SOLERA		PERALTE SOLERA		DIÁMETRO	
INCH	MM	INCH	MM	INCH	MM
1/8	0.125	hasta 1 1/2"	hasta 38.1	0.256	6.5024
3/16	0.1875	hasta 1 1/2"	hasta 38.1	0.256	6.5024
3/16	0.1875	1 3/4" ó más	44.45 ó más	0.286	7.2644

* En caso de necesitar alguna otra combinación no señalada favor de consultar a nuestro ejecutivo de ventas.

Superficie de solera

- Lisa: Todas las dimensiones de solera señaladas para la rejilla.
- Antiderrapante (Dentada): Regularmente tráfico ligero en medidas señaladas

Acabados de Panel

- Lisa: Todas las dimensiones de solera señaladas para la rejilla.
- Antiderrapante (Dentada): Regularmente tráfico ligero en medidas señaladas

Acero al carbón											
MODELOS		W11-50	W11-100	W13-50	W13-100	W15-50	W15-100	W16-50	W16-100	W19-50	W19-100
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 ↑	kg/m ↑	kg/m ↑	kg/m ↑	kg/m ↑	kg/m ↑	kg/m ↑	kg/m ↑	kg/m ↑	kg/m ↑
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	29.50
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	46.05	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	

Tabla de Cargas Permisibles

Solera	Modelo		W19-100	Acero al carbón									
	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	2.183	1.138	696	416	-	-	-	-	-	-
	19.05	3.175	Du	1.491	3.825	6.819	10.627	-	-	-	-	-	-
	19.05	3.175	C	604	431	324	259	-	-	-	-	-	-
3/4 X 3/16	19.05	3.175	Dc	1.184	3.059	5.409	8.508	-	-	-	-	-	-
	19.05	4.762	U	3.276	1.739	984	622	-	-	-	-	-	-
	19.05	4.762	Du	1.491	3.825	6.819	10.627	-	-	-	-	-	-
1 X 1/8	19.05	4.762	C	908	646	486	387	-	-	-	-	-	-
	19.05	4.762	Dc	1.184	3.059	5.409	8.508	-	-	-	-	-	-
	25.4	3.175	U	3.886	2.060	1.166	739	512	377	-	-	-	-
1 X 3/16	25.4	3.175	Du	1.112	2.862	5.123	7.974	11.48	15.612	-	-	-	-
	25.4	3.175	C	1.076	766	576	460	383	329	-	-	-	-
	25.4	3.175	Dc	0.921	2.296	4.008	6.373	9.168	12.498	-	-	-	-
1 1/4 X 1/8	25.4	4.762	U	5.821	3.090	1.748	1.108	769	563	-	-	-	-
	25.4	4.762	Du	1.112	2.862	5.123	7.974	11.48	15.612	-	-	-	-
	25.4	4.762	C	1.611	1.150.125	864	689	574	492	-	-	-	-
1 1/4 X 3/16	25.4	4.762	Dc	0.921	2.296	4.008	6.373	9.168	12.498	-	-	-	-
	31.75	3.175	U	6.065	3.222	1.823	1.135	800	588	447	-	-	-
	31.75	3.175	Du	0.921	2.296	4.008	6.373	9.168	12.498	16.293	-	-	-
1 1/4 X 3/16	31.75	3.175	C	1.681	1.197	901	717	598	513	448	-	-	-
	31.75	3.175	Dc	0.744	1.827	3.274	5.108	7.341	9.99	13.052	-	-	-
	31.75	4.762	U	9.097	4.829	2.733	1.730	1.199	882	672	-	-	-
1 1/2 X 1/8	31.75	4.762	Du	0.921	2.296	4.008	6.373	9.168	12.498	16.293	-	-	-
	31.75	4.762	C	2.519	1.797	1.351	1.077	896	768	671	-	-	-
	31.75	4.762	Dc	0.744	1.827	3.274	5.108	7.341	9.99	13.052	-	-	-
1 1/2 X 3/16	38.1	3.175	U	8.736	4.635	2.625	1.660	1.130	847	648	510	415	340
	38.1	3.175	Du	0.798	1.925	3.415	5.321	7.638	10.421	13.572	17.189	21.225	25.675
	38.1	3.175	C	2.419	1.725	1.296	1.034	860	738	645	573	516	469
1 1/2 X 3/16	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
	38.1	4.762	U	13.106	6.955	3.935	2.492	1.726	1.271	969	768	620	510
	38.1	4.762	Du	0.798	1.925	3.415	5.321	7.638	10.421	13.572	17.189	21.225	25.675
1 3/4 X 3/16	38.1	4.762	C	3.630	2.587	1.945	1.551	1.291	1.107	968	860	775	704
	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
	44.45	4.762	U	17.800	9.468	5.356	3.390	2.349	1.729	1.320	1.042	844	694
2 X 3/16	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	4.938	3.522	2.647	2.111	1.758	1.507	1.317	1.171	1.054	957
	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 1/4 X 3/16	50.8	4.762	U	23.389	12.364	6.996	4.428	3.069	2.257	1.723	1.360	1.104	908
	50.8	4.762	Du	0.556	1.431	2.561	3.989	5.742	7.812	10.179	12.901	15.938	19.243
	50.8	4.762	C	6.449	4.601	3.457	2.756	2.295	1.968	1.720	1.530	1.376	1.230
2 1/2 X 3/16	50.8	4.762	Dc	0.451	1.159	2.044	3.186	4.594	6.242	8.157	10.318	12.742	15.389
	57.15	4.762	U	29.400	15.648	8.857	5.605	3.883	2.857	2.179	1.724	1.398	1.131
	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
2 1/2 X 3/16	57.15	4.762	C	8.163	5.822	4.376	3.488	2.904	2.491	2.177	1.935	1.742	1.582
	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
	63.5	4.762	U	36.395	19.319	10.934	6.920	4.795	3.528	2.692	2.127	1.704	1.418
2 1/2 X 3/16	63.5	4.762	Du	0.451	1.159	2.044	3.186	4.594	6.242	8.157	10.318	12.742	15.389
	63.5	4.762	C	10.078	7.188	5.402	4.307	3.596	3.075	2.687	2.389	2.130	1.953
	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 Permissible (en kg/m²)

C: Carga Concentrada Permissible (En kg/m)

Du: Deflexión con Carga Uniforme (mm)

Dc: Deflexión con Carga Concentrada (mm)

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

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	