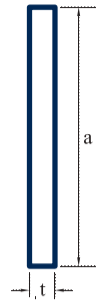


# SOL SOLERA

DESIGNACIÓN LADO ** a x t				PESO	Área	Eje X - X			Eje Y - Y		
Perfil	in	x	in			I	S	r	I	S	r
SOL	1	x	3/16	0.95	1.21	0.65	0.51	0.73	0.02	0.02	0.14
SOL	1	x	1/4	1.27	1.61	0.87	0.68	0.73	0.05	0.04	0.18
SOL	1	x	5/16	1.58	2.02	1.08	0.85	0.73	0.11	0.08	0.23
SOL	1	x	3/8	1.90	2.42	1.30	1.02	0.73	0.18	0.14	0.27
SOL	1	x	1/2	2.53	3.23	1.73	1.37	0.73	0.43	0.34	0.37


**DIMENSIONES**

SOL	1 1/4	x	3/16	1.19	1.51	1.27	0.80	0.92	0.03	0.02	0.14
SOL	1 1/4	x	1/4	1.58	2.02	1.69	1.07	0.92	0.07	0.04	0.18
SOL	1 1/4	x	5/16	1.97	2.52	2.12	1.33	0.92	0.13	0.08	0.23
SOL	1 1/4	x	3/8	2.37	3.02	2.54	1.60	0.92	0.23	0.14	0.27
SOL	1 1/4	x	1/2	3.16	4.03	3.39	2.13	0.92	0.54	0.34	0.37
SOL	1 1/4	x	5/8	3.96	5.04	4.23	2.67	0.92	1.06	0.67	0.46
SOL	1 1/4	x	3/4	4.75	6.05	5.08	3.20	0.92	1.83	1.15	0.55

SOL	1 1/2	x	3/16	1.42	1.81	2.20	1.15	1.10	0.03	0.02	0.14
SOL	1 1/2	x	1/4	1.90	2.42	2.93	1.54	1.10	0.08	0.04	0.18
SOL	1 1/2	x	5/16	2.37	3.02	3.66	1.92	1.10	0.16	0.08	0.23
SOL	1 1/2	x	3/8	2.85	3.63	4.39	2.30	1.10	0.27	0.14	0.27
SOL	1 1/2	x	1/2	3.80	4.84	5.85	3.07	1.10	0.65	0.34	0.37
SOL	1 1/2	x	5/8	4.75	6.05	7.32	3.84	1.10	1.27	0.67	0.46
SOL	1 1/2	x	3/4	5.70	7.26	8.78	4.61	1.10	2.20	1.15	0.55
SOL	1 1/2	x	1	7.60	9.68	11.71	6.15	1.10	5.20	2.73	0.73

SOL	2	x	3/16	1.90	2.42	5.20	2.05	1.47	0.05	0.02	0.14
SOL	2	x	1/4	2.53	3.23	6.94	2.73	1.47	0.11	0.04	0.18
SOL	2	x	5/16	3.16	4.03	8.67	3.41	1.47	0.21	0.08	0.23
SOL	2	x	3/8	3.80	4.84	10.41	4.10	1.47	0.37	0.14	0.27
SOL	2	x	1/2	5.06	6.45	13.87	5.46	1.47	0.87	0.34	0.37
SOL	2	x	5/8	6.33	8.06	17.34	6.83	1.47	1.69	0.67	0.46
SOL	2	x	3/4	7.60	9.68	20.81	8.19	1.47	2.93	1.15	0.55
SOL	2	x	1	10.13	12.90	27.75	10.92	1.47	6.94	2.73	0.73

SOL	2 1/2	x	5/16	3.95	5.04	16.94	5.33	1.83	0.26	0.08	0.23
SOL	2 1/2	x	3/8	4.75	6.05	20.32	6.40	1.83	0.46	0.14	0.27
SOL	2 1/2	x	1/2	6.33	8.06	27.10	8.54	1.83	1.08	0.34	0.37
SOL	2 1/2	x	5/8	7.91	10.08	33.87	10.67	1.83	2.12	0.67	0.46
SOL	2 1/2	x	3/4	9.49	12.10	40.65	12.80	1.83	3.66	1.15	0.55
SOL	2 1/2	x	1	12.66	16.13	54.20	17.07	1.83	8.67	2.73	0.73

SOL	3	x	1/4	3.80	4.84	23.41	6.15	2.20	0.16	0.04	0.18
SOL	3	x	5/16	4.74	6.05	29.27	7.68	2.20	0.32	0.08	0.23
SOL	3	x	3/8	5.70	7.26	35.12	9.22	2.20	0.55	0.14	0.27
SOL	3	x	1/2	7.60	9.68	46.83	12.29	2.20	1.30	0.34	0.37
SOL	3	x	5/8	9.49	12.10	58.53	15.36	2.20	2.54	0.67	0.46
SOL	3	x	3/4	11.39	14.52	70.24	18.44	2.20	4.39	1.15	0.55
SOL	3	x	1	15.19	19.35	93.65	24.58	2.20	10.41	2.73	0.73

SOL	4	x	1/4	5.06	6.45	55.50	10.92	2.93	0.22	0.04	0.18
SOL	4	x	5/16	6.32	8.06	69.37	13.66	2.93	0.42	0.08	0.23
SOL	4	x	3/8	7.60	9.68	83.25	16.39	2.93	0.73	0.14	0.27
SOL	4	x	1/2	10.13	12.90	111.00	21.85	2.93	1.73	0.34	0.37
SOL	4	x	5/8	12.66	16.13	138.75	27.31	2.93	3.39	0.67	0.46
SOL	4	x	3/4	15.19	19.35	166.50	32.77	2.93	5.85	1.15	0.55
SOL	4	x	1	20.26	25.81	221.99	43.70	2.93	13.87	2.73	0.73

SOL	5	x	1/4	6.33	8.06	108.40	17.07	3.67	0.27	0.04	0.18
SOL	5	x	5/16	7.90	10.08	135.49	21.34	3.67	0.53	0.08	0.23
SOL	5	x	3/8	9.49	12.10	162.59	25.61	3.67	0.91	0.14	0.27
SOL	5	x	1/2	12.66	16.13	216.79	34.14	3.67	2.17	0.34	0.37
SOL	5	x	5/8	15.82	20.16	270.99	42.68	3.67	4.23	0.67	0.46
SOL	5	x	3/4	18.99	24.19	325.19	51.21	3.67	7.32	1.15	0.55
SOL	5	x	1	25.32	32.26	433.58	68.28	3.67	17.34	2.73	0.73

SOL	6	x	1/4	7.60	9.68	187.31	24.58	4.40	0.33	0.04	0.18
SOL	6	x	5/16	9.48	12.10	234.13	30.73	4.40	0.64	0.08	0.23
SOL	6	x	3/8	11.39	14.52	280.96	36.87	4.40	1.10	0.14	0.27
SOL	6	x	1/2	15.19	19.35	374.61	49.16	4.40	2.60	0.34	0.37
SOL	6	x	5/8	18.99	24.19	468.27	61.45	4.40	5.08	0.67	0.46
SOL	6	x	3/4	22.79	29.03	561.92	73.74	4.40	8.78	1.15	0.55
SOL	6	x	1	30.38	38.71	749.23	98.32	4.40	20.81	2.73	0.73

Acero A-36	$f_y = 2,530 \text{ kg/cm}^2$
Acero A-572 G 50	$f_y = 3,515 \text{ kg/cm}^2$
Acero A-529 G 50	$f_y = 3,515 \text{ kg/cm}^2$
Acero SAE 1010	* $f_y = 3,020 \text{ kg/cm}^2$
Acero SAE 1015	* $f_y = 3,200 \text{ kg/cm}^2$
Acero SAE 1018	* $f_y = 3,670 \text{ kg/cm}^2$
Acero SAE 1045	* $f_y = 4,220 \text{ kg/cm}^2$
Acero SAE 1055	* $f_y = 4,580 \text{ kg/cm}^2$
Acero SAE 1060	* $f_y = 4,930 \text{ kg/cm}^2$