



PERFIL I ESTANDAR AMERICANO - S

PERFILES S	Dimensiones y propiedades para el diseño																
	DIMENSIONES					AREA	PESO	PROPIEDADES ELASTICAS						MODULO PLASTICO		CONS TORS	
	ALTURA		ALA		d			EJE X-X			EJE Y-Y			Zx	Zy		Jt
	h	s	b	t				lx	Sx	rx	ly	Sy	ry				
mm	mm	mm	mm	mm	cm2	kg/mt	cm4	cm3	cm	cm4	cm3	cm	cm3	cm3	cm4		
S 3 x 5.7	76.00	4.32	59.18	6.60	41.00	10.80	8.50	105.00	27.50	3.12	18.94	6.40	1.33	32.00	10.70	1.66	
S 3 x 7.5	76.00	8.86	63.73	6.60	41.00	14.30	11.20	122.00	32.00	2.92	24.40	7.70	1.31	38.73	13.54	3.75	
S 4 x 5.6	100.00	4.50	50.00	6.80	64.00	10.60	8.32	171.00	34.20	4.01	12.20	4.88	1.07	39.67	8.83	1.27	
S 4 x 7.7	102.00	4.90	67.64	7.44	64.00	14.60	11.50	253.00	49.80	4.17	31.80	9.40	1.48	57.32	15.80	2.91	
S 4 x 9.5	102.00	8.28	71.02	7.44	64.00	18.00	14.10	283.00	55.60	3.96	37.60	10.60	1.45	66.20	18.52	5.00	
S 5 x 7.5	120.00	5.10	58.00	7.70	86.00	14.20	11.20	329.00	54.70	4.81	25.16	7.41	1.33	63.73	13.54	2.16	
S 5 x 10.0	127.00	5.44	76.30	8.28	86.00	19.00	14.90	512.00	80.60	5.21	50.78	13.30	1.63	92.91	22.45	4.58	
S 5 x 14.75	127.00	12.55	83.41	8.28	86.00	28.00	22.00	633.00	99.80	4.75	69.51	16.60	1.57	121.60	30.81	1.33	
S 6 x 12.0	160.00	6.30	74.00	9.50	108.00	22.80	17.90	938.00	117.00	6.41	64.45	14.80	1.68	136.00	27.15	5.24	
S 6 x 12.5	152.00	5.89	84.63	9.12	108.00	23.70	18.60	920.00	120.80	6.22	75.75	17.90	1.79	138.80	30.32	7.08	
S 6 x 17.25	152.00	11.81	90.55	9.12	108.00	32.70	25.70	1,095.00	143.70	5.79	96.15	21.30	1.71	173.70	38.67	15.40	
S 7 x 15.3	178.00	6.40	93.01	9.96	130.00	29.00	22.80	1,528.00	172.10	7.26	110.00	23.60	1.95	198.30	40.00	9.90	
S 7 x 20.0	178.00	11.43	98.04	9.96	130.00	37.90	29.80	1,765.00	198.30	6.83	132.00	26.90	1.86	237.61	48.51	18.73	
S 8 x 17.4	200.00	7.50	90.00	11.30	152.00	33.50	26.30	2,148.00	214.00	8.01	137.90	26.00	2.03	249.60	47.94	10.70	
S 8 x 18.4	203.00	6.88	101.63	10.82	152.00	34.90	27.40	2,397.00	236.00	8.28	155.00	30.50	2.11	270.40	51.78	14.15	
S 8 x 23.0	203.00	11.20	105.94	10.82	152.00	43.70	34.20	2,701.00	265.50	7.87	179.00	33.90	2.03	316.27	60.30	22.89	
S 9 x 21.8	229.00	7.40	110.00	11.60	178.00	40.70	32.44	3,535.00	309.30	9.32	214.80	39.10	2.29	355.30	72.90	13.84	
S 10 x 25.4	254.00	7.90	118.39	12.47	197.00	48.10	37.80	5,161.00	404.80	10.34	283.00	47.70	2.42	465.40	78.60	24.97	
S 10 x 35.0	254.00	15.09	125.58	12.47	197.00	66.50	52.10	6,119.00	481.80	9.60	348.00	55.40	2.29	580.10	101.96	53.70	
S 12 x 31.8	305.00	8.89	127.00	13.82	244.00	60.30	47.30	9,074.00	596.50	12.27	390.00	61.30	2.54	688.26	104.88	37.46	
S 12 x 35.0	305.00	10.87	128.98	13.82	244.00	66.50	52.10	9,532.00	626.00	12.00	411.00	63.70	2.49	734.14	111.27	44.95	
S 12 x 40.8	305.00	11.73	133.40	16.74	232.00	77.40	60.70	11,321.00	744.00	12.11	566.00	84.60	2.69	870.00	145.00	73.26	
S 12 x 50.0	305.00	17.45	139.11	16.74	232.00	94.80	74.40	12,695.00	832.50	11.56	653.00	94.10	2.62	1,003.00	168.80	117.38	
S 15 x 42.9	381.00	10.44	139.73	15.80	311.00	81.30	63.80	18,606.00	976.70	15.11	599.00	85.70	2.72	1,136.00	147.81	64.10	
S 15 x 50.0	381.00	13.97	143.26	15.80	311.00	94.80	74.40	20,229.00	1,062.00	14.61	653.00	91.30	2.62	1,263.00	163.38	88.24	
S 18 x 54.7	457.00	11.71	152.43	17.55	381.00	104.00	81.40	33,465.00	1,465.00	17.96	866.00	113.70	2.90	1,721.00	198.28	98.65	
S 18 x 70.0	457.00	18.06	158.78	17.55	381.00	133.00	104.20	38,543.00	1,688.00	17.04	1,003.00	127.00	2.74	2,048.00	236.00	172.24	
S 20 x 66.0	508.00	12.83	158.88	20.19	425.00	125.00	98.20	49,532.00	1,950.00	19.89	1,153.00	145.00	3.02	2,294.00	251.00	149.00	
S 20 x 75.0	508.00	16.13	162.18	20.19	425.00	142.00	112.00	53,278.00	2,098.00	19.35	1,240.00	152.70	2.95	2,507.00	274.00	191.00	
S 20 x 86.0	514.00	16.76	179.32	23.37	425.00	163.00	128.00	65,765.00	2,540.00	20.00	1,948.00	218.00	3.45	3,000.00	377.00	276.40	
S 20 x 96.0	514.00	20.32	182.88	23.37	425.00	182.00	143.00	69,511.00	2,704.00	19.58	2,089.00	228.00	3.38	3,245.00	408.00	349.20	
S 24 x 80.0	607.00	12.70	177.80	22.10	521.00	152.00	119.00	87,409.00	2,868.00	24.05	1,756.00	198.00	3.40	3,343.00	339.00	203.00	
S 24 x 90.0	607.00	15.88	180.98	22.10	521.00	171.00	134.00	93,652.00	3,064.00	23.39	1,869.00	206.00	3.30	3,638.00	365.00	251.40	
S 24 x 100.0	607.00	18.92	184.02	22.10	521.00	189.00	149.00	99,479.00	3,261.00	22.91	1,985.00	216.00	3.23	3,933.00	392.00	316.00	
S 24 x 106.0	622.00	15.75	200.00	27.69	521.00	201.00	158.00	122,372.00	3,933.00	24.66	3,209.00	321.00	4.00	4,572.00	544.00	420.40	
S 24 x 121.0	622.00	20.32	204.47	27.69	521.00	230.00	180.00	131,529.00	4,228.00	23.95	3,467.00	339.00	3.89	5,014.00	593.00	532.80	