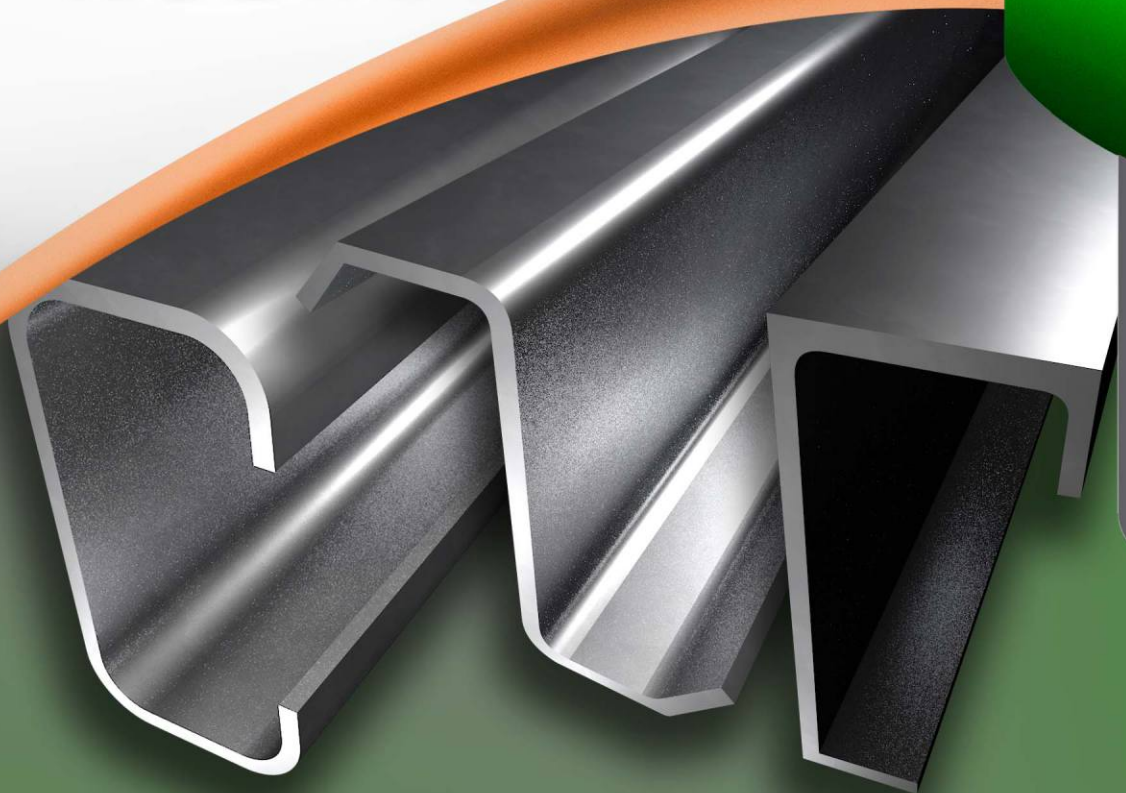


POLÍN C,Z Y AVÍCOLA



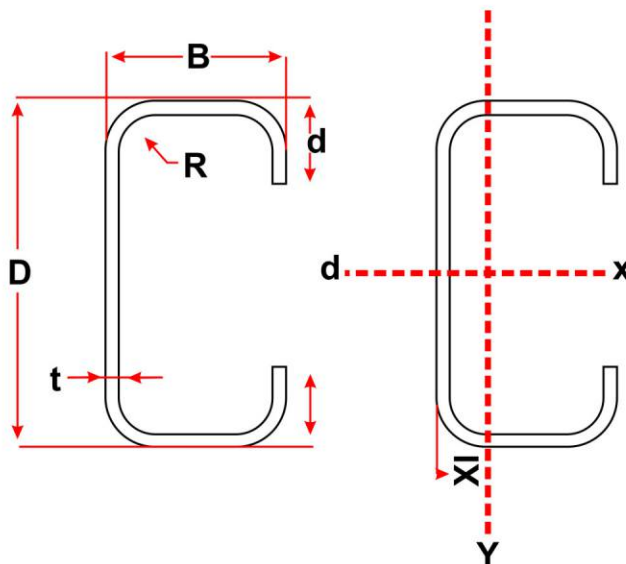
SAOOSA[®]
ACEROS

POLÍN C, Z Y AVÍCOLA



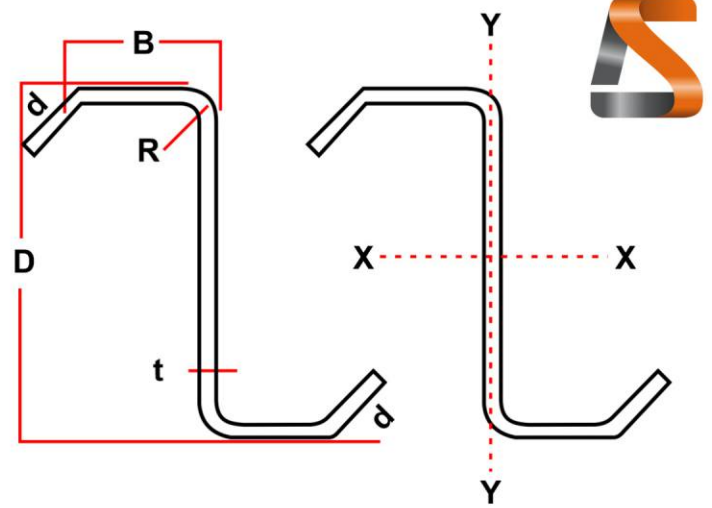


POLÍN C



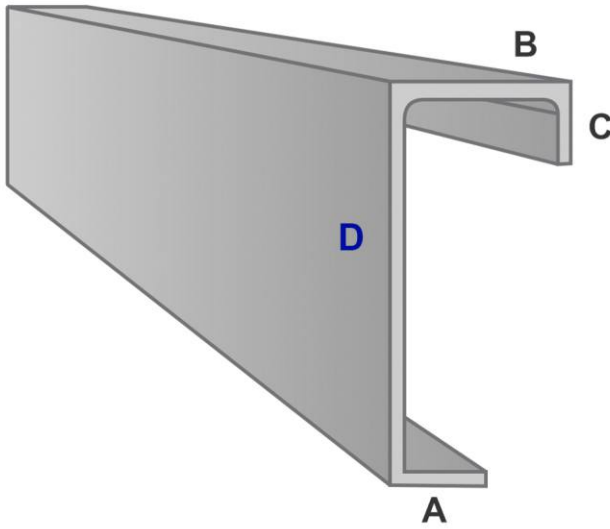
DIMENSIONES EN PULGADAS	CALIBRE M S G	PESO (Kg/M)	ÁREA (cm ²)	DIMENSIONES EN (mm)					Sx	Dx	rx	Iy	Sy	ry	x	fb =2100.00 Kg/cm ²
D X B				D	B	d	t	R	cm ³	cm ⁴	cm	cm ⁴	cm ³	cm	cm	"Q"
3"x1-1/2"	14	2.40	3.23	76.20	38.1	13.0	1.8974	6.35	7.24	27.592	2.92	6.978	3.02	1.47	1.50	0.94
3"x1-1/2"	12	3.60	4.43	76.20	38.1	13.0	2.6568	6.35	9.67	36.857	2.88	9.128	3.95	1.44	1.50	1.00
3"x1-1/2"	10	4.64	5.56	76.20	38.1	13.0	3.4163	6.35	11.86	45.177	2.85	10.954	4.74	1.4	1.50	1.00
4"x2"	14	3.29	4.20	101.60	50.8	13.0	1.8974	6.35	13.24	67.252	4.00	15.510	4.79	1.92	1.84	0.91
4"x2"	12	4.55	5.78	101.60	50.8	13.0	2.6568	6.35	17.89	90.905	3.97	20.59	6.35	1.89	1.84	0.97
4"x2"	10	5.85	7.30	101.60	50.8	13.0	3.4163	6.35	22.2	112.792	3.93	25.085	7.74	1.85	1.84	1.00
5"x2"	14	3.68	4.68	127.00	50.8	13.0	1.8974	6.35	17.92	113.796	4.93	16.82	4.92	1.9	1.66	0.84
5"x2"	12	5.08	6.45	127.00	50.8	13.0	2.6568	6.35	24.33	154.464	4.89	22.35	6.54	1.86	1.66	0.92
5"x2"	10	6.56	8.17	127.00	50.8	13.0	3.4163	6.35	30.31	192.468	4.85	27.245	7.97	1.83	1.66	0.97
6"x2"	14	4.21	5.16	152.40	50.8	13.0	1.8974	6.35	23.02	175.432	5.83	17.895	5.02	1.86	1.51	0.77
6"x2"	12	5.82	7.13	152.40	50.8	13.0	2.6568	6.35	31.34	238.840	5.79	23.777	6.67	1.83	1.51	0.85
6"x2"	10	7.38	9.04	152.40	50.8	13.0	3.4163	6.35	39.17	298.504	5.75	28.962	8.14	1.79	1.52	0.92
6"x2-1/2"	14	4.46	5.64	152.40	63.5	13.0	1.8074	6.35	26.60	202.725	6.00	30.690	7.04	2.33	1.99	0.79
6"x2-1/2"	12	6.18	7.80	152.40	63.5	13.0	2.6568	6.35	36.310	276.670	5.95	41.130	9.43	2.30	1.99	0.87
6"x2-1/2"	10	7.95	9.91	152.40	63.5	13.0	3.4163	6.35	45.49	346.664	5.92	50.597	11.60	2.26	1.99	0.93
7"x2-3/4"	14	5.04	6.37	177.80	69.9	13.0	1.8874	6.35	34.83	309.630	6.97	39.03	7.96	2.48	2.08	0.74
7"x2-3/4"	12	6.99	8.82	177.80	69.9	13.0	2.6568	6.35	47.68	423.840	6.93	52.35	10.67	2.44	2.08	0.82
7"x2-3/4"	10	9.00	11.21	177.80	69.9	13.0	3.4163	6.35	59.92	532.667	6.89	64.44	13.14	2.4	2.08	0.88
8"x2-3/4"	14	5.57	6.85	203.20	69.9	13.0	1.8974	6.35	4.19	423.438	7.86	42.496	8.42	2.49	1.94	0.69
8"x2-3/4"	12	7.72	9.49	203.20	66.9	13.0	2.6588	8.35	57.14	580.539	7.82	57.152	11.33	2.45	1.94	0.77
8"x2-3/4"	10	9.82	12.08	203.20	66.9	13.0	3.4183	8.35	71.92	730.748	7.78	70.553	13.99	2.42	1.94	0.83
8"x3"	14	5.63	7.09	203.20	76.2	13.0	1.8974	6.35	44.08	447.85	7.95	52.604	9.85	2.72	2.17	0.69
8"x3"	12	7.89	9.83	203.20	76.2	13.0	2.6588	6.35	60.48	614.450	7.91	70.944	13.02	2.69	2.17	0.78
8"x3"	10	10.14	12.73	203.20	76.2	13.0	3.4163	6.35	77.59	788.287	7.87	93.774	17.50	2.71	2.26	0.84
8"x3 " 1/2"	14	6.02	7.57	203.20	88.9	13.0	1.8974	6.35	46.89	496.680	8.10	76.860	10.84	3.19	1.80	0.67
8"x3 " 1/2"	12	8.43	10.51	203.20	88.9	13.0	2.6568	6.35	67.16	682.310	8.05	104.120	14.69	3.15	1.80	0.78
8"x3 " 1/2"	10	10.84	13.38	203.20	88.9	13.0	3.4163	6.35	84.71	860.640	8.02	129.490	16.27	3.11	1.80	0.85
9"x3-1/2"	14	6.56	8.05	228.60	88.9	13.0	1.8974	6.35	57.06	652.211	9.00	7.81	12.48	3.15	2.49	0.63
9"x3-1/2"	12	9.12	11.51	228.60	88.9	13.0	2.6568	6.35	80.98	925.639	8.97	120.98	19.47	3.24	2.68	0.75
9"x3-1/2"	10	11.78	14.68	228.60	88.9	13.0	3.4163	6.35	102.33	1169.600	8.93	150.81	24.27	3.21	2.68	0.81
10"x2-3/4"	14	6.34	7.81	254.00	69.9	13.0	1.8974	6.35	5.60	718.858	9.59	45.369	8.60	2.41	1.71	0.61
10"x2-3/4"	12	8.80	10.84	254.00	69.9	13.0	2.6568	6.35	77.79	987.917	9.55	61.017	11.57	2.37	1.71	0.68
10"x2-3/4"	10	11.22	13.81	254.00	69.9	13.0	3.4163	6.35	98.16	1246.580	9.50	75.325	14.30	2.34	1.72	0.75
10"x3-1/2"	14	6.87	8.53	254.00	88.9	13.0	1.8974	6.35	65.65	833.72	9.88	82.427	12.62	3.11	2.36	0.60
10"x3-1/2"	12	9.62	12.19	254.00	88.9	13.0	2.6568	6.35	93.29	1184.842	9.86	125.110	19.69	3.20	2.54	0.71
10"x3-1/2"	10	12.37	15.55	254.00	88.9	13.0	3.4163	6.35	118	1408.564	9.82	155.959	24.55	3.17	2.54	0.77
10"x4"	14	7.27	9.02	254.00	101.6	13.0	1.8974	6.35	71.68	910.299	10.05	114.883	15.64	3.57	2.81	0.59
10"x4"	12	10.17	12.87	254.00	101.6	13.0	2.6568	6.35	101.69	1291.423	10.02	173.284	24.20	3.67	3.00	71.00
10"x4"	10	13.08	16.52	254.00	101.6	13.0	3.4163	6.35	129.59	1645.813	9.98	221.958	31.21	3.67	3.05	0.79
"12"x3-1/2"	14	7.57	9.50	304.80	88.9	13.0	18974.0000	6.35	84.05	1280.887	11.61	86.861	12.84	3.02	2.13	0.54
12"x3-1/2"	12	10.64	13.54	304.80	88.9	13.0	2.6568	6.35	119.64	1823.383	11.61	132.130	2.04	3.12	2.30	0.65
12"x3-1/2"	10	13.74	17.28	304.80	88.9	13.0	3.4163	6.35	151.56	2300.751	11.56	164.714	24.99	3.09	2.30	1.71
"12"x4"	14	7.97	9.98	304.80	101.6	13.0	1.8974	6.35	91.30	1391.43	11.81	121.329	15.95	3.49	2.55	0.53
12"x4"	12	11.20	14.21	304.80	101.6	13.0	2.6568	6.35	129.75	1977.400	11.79	183.360	24.68	3.59	2.73	0.65
12"x4"	10	14.46	18.26	304.80	101.6	13.0	3.4163	6.35	165.62	2524.083	11.76	234.992	31.83	3.59	2.78	0.72
"14"x4"	14	8.73	10.94	355.60	101.6	13.0	1.8974	6.35	112.56	2001.340	13.52	126.64	16.18	3.40	2.34	0.49
14"x4"	12	12.27	15.56	355.60	101.6	13.0	2.6568	6.35	160.11	2846.779	13.52	191.69	25.04	3.51	2.51	0.60
14"x4"	10	15.84	19.99	355.60	101.6	13.0	3.4163	6.35	204.61	3637.956	13.49	245.77	32.30	3.51	2.55	0.66

POLÍN Z



DIMENSIONES EN PULGADAS	CALIBRE M.S.G.	PESO (Kg/MI)	ÁREA (cm ²)	DIMENSIONES EN (mm)					Sx	Ix	rx	Iy	Sy	ry	fb=2100.00 Kg/cm ²
D X B				D	B	d	t	R	cm ³	cm ⁴	cm	cm ⁴	cm ³	cm	"Q"
4"x2"	14	3.29	4.20	101.60	50.8	13.0	1.8974	6.35	13.24	67.252	4.00	28.26	5.56	2.60	0.91
4"x2"	12	4.55	5.78	101.60	50.8	13.0	2.6568	6.35	17.89	90.905	3.97	37.38	7.36	2.54	0.97
4"x2"	10	5.85	7.30	101.60	50.8	13.0	3.4163	6.35	22.2	112.792	3.93	45.35	8.93	2.49	1.00
5"x2"	14	3.68	4.88	127.00	50.8	13.0	1.8974	6.35	17.92	113.798	4.93	28.28	5.56	2.46	0.84
5"x2"	12	5.08	6.45	127.00	50.8	13.0	2.6588	6.35	24.33	154.464	4.89	37.38	7.36	2.41	0.82
5"x2"	10	6.56	8.17	127.00	50.8	13.0	3.4163	6.35	30.31	192.468	4.85	45.36	8.93	2.36	0.97
6"x2"	14	4.21	5.16	152.40	50.8	13.0	1.8974	6.35	23.02	175.432	5.83	28	5.56	2.34	0.77
6"x2"	12	5.82	7.13	152.40	50.8	13.0	2.6588	6.35	31.34	238.840	5.79	37.384	7.36	2.29	0.85
6"x2"	10	7.38	9.04	152.40	50.8	13.0	3.4163	6.35	39.17	298.504	5.75	45.364	8.93	2.24	0.92
6"x2-1/2"	14	4.46	5.64	152.40	63.5	13.0	1.8974	6.35	26.60	202.73	6.00	50.981	8.03	3.01	0.79
6"x2-1/2"	12	6.18	7.80	152.40	63.5	13.0	2.6568	6.35	36.31	276.670	5.95	68.075	10.72	2.95	0.87
6"x2-1/2"	10	7.95	9.91	152.40	63.5	13.0	3.4163	6.35	45.49	346.664	5.92	83.418	13.14	2.9	0.93
7"x2-3/4"	14	5.04	6.37	177.80	60.9	13.0	1.8974	6.35	34.83	306.837	6.97	65.76	9.41	3.21	0.74
7"x2-3/4"	12	6.99	8.82	177.80	60.9	13.0	2.6588	6.35	47.68	423.840	6.93	88.13	12.62	3.16	0.82
7"x2-3/4"	10	9.00	11.21	177.80	60.9	13.0	3.4163	6.35	59.92	532.667	6.89	108.39	15.52	3.11	0.88
8"x2-3/4"	14	5.57	6.85	203.20	69.9	13.0	1.8974	6.35	41.68	423.438	7.86	66	9.41	3.10	0.69
8"x2-3/4"	12	7.72	9.49	203.20	69.9	13.0	2.6568	6.35	57.14	580.528	7.82	88.131	12.62	3.05	0.77
8"x2-3/4"	10	9.82	12.08	203.20	69.9	13.0	3.4163	6.35	71.92	730.748	7.78	108.401	15.52	3.00	0.83
8"x3"	14	5.63	7.09	203.20	76.2	13.0	1.8974	6.35	44.08	447.850	7.95	83.073	10.90	3.42	0.69
8"x3"	12	7.89	9.83	203.20	76.2	13.0	2.6568	6.35	60.48	614.450	7.91	111.676	14.66	3.37	0.78
8"x3"	10	10.14	12.73	203.20	76.2	13.0	3.4163	6.35	77.59	788.267	7.87	149.287	19.59	3.42	0.84
8" x 3-1/2"	14	6.02	7.63	203.20	88.9	13.0	1.8974	6.35	49.53	503.195	8.12	128.539	14.46	4.10	0.67
8" x 3-1/2"	12	8.43	10.59	203.20	88.9	13.0	2.6568	6.35	70.50	716.277	8.22	200.177	22.52	4.35	0.81
8" x 3-1/2"	10	10.84	14.42	203.20	88.9	13.0	3.4163	6.35	90.06	914.990	8.05	258.570	29.09	4.28	0.84
8"x4"	14	6.42	8.05	203.20	101.6	13.0	1.8974	6.35	53.69	545.50	8.23	181.590	17.87	4.75	0.65
8"x4"	12	8.97	11.51	203.20	101.6	13.0	2.6568	6.35	75.93	771.433	8.19	279.307	27.49	4.93	0.78
8"x4"	10	11.54	14.79	203.20	101.6	13.0	3.4163	6.35	96.53	980.753	8.14	358.899	35.32	4.93	0.86
9"x3-1/2"	14	6.56	8.05	228.60	76.2	13.0	1.8974	6.35	57.06	652.211	9.00	126.09	16.55	3.96	0.61
9"x3-1/2"	12	9.12	11.51	228.60	76.2	13.0	2.6568	6.35	80.98	925.639	8.97	195.45	25.65	4.12	0.16
9"x3-1/2"	10	11.78	14.68	228.60	76.2	13.0	3.4163	6.35	102.33	1168.600	8.93	242.97	31.89	4.07	0.74
10"x2-3/4"	14	6.34	7.81	254.00	69.9	13.0	1.8974	6.35	56.60	718.858	9.59	65.763	9.41	2.9	0.61
10"x2-3/4"	12	8.80	10.84	254.00	69.9	13.0	2.6568	6.35	77.79	987.916	9.55	88.138	12.62	2.85	0.68
10"x2-3/4"	10	11.22	13.81	254.00	69.9	13.0	3.4163	6.35	98.16	1246.580	9.5	88.138	15.52	2.80	0.75
10"x3"	14	6.47	8.05	254.00	76.2	13.0	1.8974	6.35	59.62	757.146	9.70	83.076	10.90	3.21	0.61
10"x3"	12	9.08	11.18	254.00	76.2	13.0	2.6568	6.35	81.98	1041.208	9.65	111.684	14.66	3.16	0.69
10"x3"	10	11.67	14.46	254.00	76.2	13.0	3.4163	6.35	105.45	1339.237	9.62	149.304	19.59	3.21	0.76
10"x31/2"	14	6.87	8.53	254	88.9	13.0	1.8974	6.35	65.65	833.723	9.88	126.090	14.18	3.84	0.6
10"x31/2"	12	9.62	11.51	254.00	88.9	13.0	2.6568	6.35	93.29	1184.842	10.14	195.450	21.99	4.12	1.81
10"x31/2"	10	12.37	14.90	254.00	88.9	13.0	3.4163	6.35	118	1498.560	10.03	242.978	27.33	4.04	1.86
10"x4"	14	7.27	9.02	254.00	101.6	13.0	1.8974	6.35	71.68	910.299	10.05	181.593	17.87	4.49	0.59
10"x4"	12	10.17	12.86	254.00	101.6	13.0	2.6568	6.35	101.69	1291.423	10.02	279.316	27.49	4.66	0.71
10"x4"	10	13.08	16.52	254.00	101.6	13.0	3.4163	6.35	129.59	1645.813	9.98	358.916	35.33	4.66	0.79
12"x3-1/2"	14	7.57	9.50	317.50	88.9	13.0	1.8974	6.35	80.69	1280.887	11.61	126	14.18	3.64	0.54
12"x3-1/2"	12	10.64	13.54	317.50	88.9	13.0	2.6568	6.35	114.86	1823.383	11.61	195.462	21.99	3.80	0.65
12"x3-1/2"	10	13.74	17.28	317.50	88.9	13.0	3.4163	6.35	145.5	2306.751	11.56	242.695	27.33	3.75	0.71
12"x4"	14	7.97	9.98	304.80	101.6	13.0	1.8974	6.35	91.30	1391.43	11.81	181.506	17.87	4.27	0.53
12"x4"	12	11.20	14.21	304.80	101.6	13.0	2.6568	6.35	129.75	1977.400	11.79	279.324	27.49	4.43	0.65
12"x4"	10	14.46	18.26	304.80	101.6	13.0	3.4163	6.35	165.82	2524.083	11.76	358.933	35.33	4.43	0.72
14"x4"	14	8.73	10.94	355.60	101.6	13.0	1.8974	6.35	112.56	2001.340	13.52	181.60	17.87	4.07	0.49
14"x4"	13	12.27	15.56	355.60	101.6	13.0	2.6568	6.35	160.11	2846.779	13.52	279.33	27.49	4.24	0.60
14"x4"	10	15.84	19.99	355.60	101.6	13.0	3.4163	6.35	204.61	3637.956	13.49	358.95	35.33	4.24	0.66

POLÍN AVICOLA



D	C	B	A	Peso Teórico
PULGADAS	PULGADAS	PULGADAS	PULGADAS	Kg/ml
4	1/2"	2	1/2"	2,61
4	1/2"	2	7/8"	2,75
4	1/2"	2 1/2	1/2"	2,80
4	1/2"	2 1/2	7/8"	2,94
5	1/2"	2	1/2"	2,99
5	1/2"	2	7/8"	3,13
5	1/2"	2 1/2	1/42"	3,17
5	1/2"	2 1/2	7/18"	3,1
6	1/2"	2	1/2"	3,36
6	1/2"	2	7/8"	3,50
6	1/2"	2 1/2	1/2"	3,55
6	1/2"	2 1/2	7/8"	3,69
8	1/2"	2 3/4	1/2"	4,39
8	1/2"	2 3/4	7/8"	4,53
8	1/2"	3 1/2	1/2"	4,67
8	1/2"	3 1/2	7/8"	4/81

NOTA.- Peso teórico +/- 5%. Las especificaciones son en calibre 14

TIPO DE ACERO		COMPOSICIÓN QUÍMICA				PROPIEDADES MECÁNICAS				
		%C*	%Mn*	%P*	%S*	TIPO DE ACERO	Esfuerzo de ruptura (Kg/cm2)	Límite de Fluencia (Kg/cm2)	Alargamiento en 5.1cm. (%)	
Alta Resistencia	A50	0.25	1.35	0.035	0.035	Alta Resistencia	A50	5000*	3000*	20*
Comercial	A36	0.15	0.60	0.025	0.020	Comercial	A36	3400**	2100**	30**

* VALORES MÍNIMOS
** VALORES PROMEDIO

OBSERVACIONES:

- 1) Se requiere un proceso similar de instalación al polín convencional.
- 2) No acumula suciedad en el patín inferior.
- 3) Se fabrica pintado, negro o galvanizado.
- 4) Se puede perforar según necesidades del cliente.
- 5) Lado "D" se fabrica mínimo 4" y máximo 14"
- 6) Lado "B" se fabrica mínimo 1/2" y máximo 1".
- 7) Lado "B" se fabrica mínimo 2" y máximo 4"
- 8) Lado "A" se fabrica mínimo 1/2" y máximo 4".
- 9) El polín avícola se fabrica en calibres 14, 13, 12, 11 y 10.



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