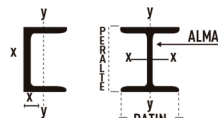


CANAL (CPS) Y VIGA (IPS)



CANALES CPS PROPIEDADES DE DISEÑO Y DIMENSIONES

PERALTE	PATIN	PESO	ÁREA	ESPESOSES		EJE X - X			EJE Y - Y			DISTANCIA	
				ALMA	PATIN	S	I	r	S	I	r		X
Pulg.	mm	mm	Kg/m ²	cm ²	mm	mm	cm ³	cm ⁴	cm	cm ³	cm ⁴	cm	cm
3" L	76.20	35.81	5.21	6.68	3.17	6.45	16.31	62.27	3.06	2.87	7.03	1.03	1.04
3"	76.20	35.81	6.10	7.68	4.32	6.93	17.90	68.10	2.97	3.40	8.30	1.04	1.12
4" L	101.60	40.23	6.70	8.54	4.42	5.59	25.20	128.12	3.98	2.98	9.53	1.06	0.92
4"	101.60	40.23	8.04	10.00	4.67	7.52	31.10	157.90	3.97	4.70	13.30	1.15	1.17
6" L	152.20	48.77	12.20	15.35	5.08	8.71	71.00	541.00	5.94	8.20	29.10	1.38	1.32
6" SP	152.20	51.66	15.62	19.81	7.98	8.71	82.50	628.50	5.64	9.34	36.21	1.35	1.27
6" P	152.20	54.79	19.34	24.71	11.10	8.71	95.00	724.20	5.41	10.52	43.70	1.33	1.31
8" L	203.20	57.40	17.11	21.81	5.60	9.91	133.40	1356.90	7.90	12.80	54.94	1.59	1.45
8" SP	203.20	59.51	20.46	26.06	7.70	9.91	148.00	1502.60	7.59	13.99	63.68	1.56	1.40
8" P	203.20	64.19	27.90	35.55	12.37	9.91	180.30	1831.40	7.16	16.55	82.41	1.52	1.44
10"	254.00	66.04	22.80	28.97	6.10	11.07	221.20	2805.40	9.83	19.01	94.90	1.81	1.61
10"	254.00	69.57	29.80	37.94	9.63	11.07	258.90	3284.10	9.30	21.63	116.96	1.76	1.54
10"	254.00	73.30	37.20	47.42	13.36	11.07	298.20	3796.00	8.94	24.25	139.85	1.72	1.57
10"	254.00	77.04	44.70	56.90	17.09	11.07	339.20	4287.20	8.69	27.04	164.00	1.70	1.65
12"	304.80	74.73	30.80	39.29	7.16	12.72	352.30	5369.40	11.71	28.35	161.50	2.03	1.77
12"	304.80	77.39	37.20	47.42	9.83	12.72	394.90	5993.70	11.25	30.81	186.06	1.98	1.71
12"	304.08	80.52	44.70	56.90	12.95	12.72	442.50	6742.90	10.90	33.76	213.94	1.94	1.70

VIGA IPS

PERALTE	PESO	ÁREA	PATIN		ALMA	EJE X-X			EJE Y - Y				
			Ancho	Espesor		S	I	r	S	I	r		
Pulg.	mm	kg/m	cm ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
3	76.20	8.48	10.52	59.00	6.60	4.30	103.3	27.10	3.12	19.10	6.50	1.35	
4	101.60	11.46	14.26	67.64	7.44	4.90	248.3	48.90	4.17	32.10	9.50	1.50	
5	127.00	14.88	18.52	76.30	8.28	5.44	503.3	79.30	5.21	51.20	13.40	1.65	
6	152.40	18.60	23.29	84.63	9.12	5.89	906.8	119.00	6.25	77.00	18.20	1.83	
8	203.20	27.38	34.90	101.62	10.82	6.88	2,397.5	235.97	8.28	155.25	30.48	2.11	

TABLA DE ESPECIFICACIÓN DE VIGAS PARA CLAROS DETERMINADOS

CLARO mts.	USO ENTREPISO			USO AZOTEA		
	Separación entre vigas (mts)					
	0.90	1.00	1.10	0.90	1.00	1.10
2.50	4"	4"	4"	4"	4"	4"
3.00	4"	4"	4"	4"	4"	4"
3.20	4"	4"	5"	4"	4"	4"
3.40	4"	5"	5"	4"	4"	4"
3.50	5"	5"	5"	4"	4"	5"
3.60	5"	5"	5"	4"	4"	5"
3.80	5"	5"	5"	4"	5"	5"
4.00	5"	5"	5"	5"	5"	5"
4.20	5"	5"	5"	5"	5"	5"
4.40	5"	6"	6"	5"	5"	5"
4.50	6"	6"	6"	5"	5"	6"
4.60	6"	6"	6"	5"	5"	6"
4.80	6"	6"	6"	6"	6"	6"
5.00	6"	6"	8" L	6"	6"	6"
5.20	6"	8" L	8" L	6"	8" L	8" L
5.40	8" SP	8" SP	8"	8" L	8" L	8" SP
5.60	8" SP	8"	8"	8" L	8" SP	8" SP
5.80	8"	8"	8"	8"	8"	8"
6.00	8"	8"	8"	8"	8"	8"

DATOS PARA EL CÁLCULO DE VIGUERÍA PARA BOVEDA DE LADRILLO

USO	CARGA MUERTA	CARGA VIVA	Fy
	kg/m ²	kg/m ²	kg/m ²
Entrepiso	300	250	2,530
Azotea	300	150	

Las vigas se consideran simplemente apoyadas y lateralmente soportadas.



(01) 771 4730396 y 95 - (55) 17952237



ventas@dragonsteel.com.mx



www.dragonsteel.com.mx