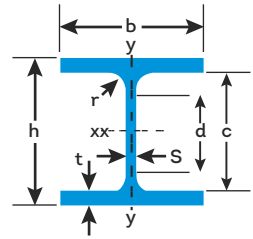


PERFIL H AMERICANO DE ALA ANCHA O WF



PERFIL H AMERICANO DE ALA ANCHA - WF																		
PERFILES WF		Dimensiones y propiedades para el diseño																
DESIGNACIÓN	DIMENSIONES							AREA cm ²	PESO kg/ mt	PROPIEDADES ELÁSTICAS						MODULO PLÁSTICO		CONS TORS Jt cm ⁴
	ALTIMA		ALA		DISTANCIAS					EJE X-X			EJE Y-Y			Zx	Zy	
	h	s	b	t	r	c	d			Ix	Sx	rx	Iy	Sy	ry	cm ³	cm ³	
mm	mm	mm	mm	mm	mm	mm	cm ²	kg/ mt	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm	cm ³	cm ³	cm ⁴	
WF 4 X 13	102.00	6.50	100.00	9.40	6.00	83.20	71.20	24.50	19.35	441.00	86.40	4.24	157.00	31.40	2.53	99.50	48.00	6.90
WF 4 X 13.8	102.00	8.00	102.00	9.40	6.00	83.20	71.20	26.10	20.54	456.00	89.40	4.18	167.00	32.70	2.53	104.00	50.40	8.13
WF 4 X 16.3	107.00	7.90	100.00	12.00	6.00	83.00	71.00	30.90	24.26	587.00	110.00	4.36	200.00	40.10	2.55	129.00	61.50	13.70
WF 5 X 16	127.00	6.10	127.00	9.10	8.00	108.80	92.80	30.30	23.81	886.00	139.00	5.41	311.00	49.00	3.20	157.00	74.70	8.10
WF 5 X 19	131.00	6.90	128.00	10.90	8.00	109.00	93.20	36.00	28.28	1.099.00	168.00	5.53	381.00	59.60	3.26	191.00	90.90	13.40
WF 6 X 9	150.00	4.30	100.00	5.50	6.00	139.00	127.00	17.30	13.50	685.50	91.40	6.29	91.80	18.36	2.30	102.40	28.26	1.74
WF 6 X 12	153.00	5.80	102.00	7.10	6.00	138.40	126.40	22.90	18.00	915.90	122.10	6.33	125.90	25.37	2.36	138.60	39.29	3.86
WF 6 X 16	160.00	6.60	102.00	10.30	6.00	139.40	127.40	30.60	24.00	1.342.00	167.80	6.63	182.60	35.80	2.45	191.50	55.24	9.35
WF 6 X 15	152.00	5.80	152.00	6.60	6.00	138.80	126.80	28.40	22.32	1.205.00	159.00	6.51	387.00	50.90	3.69	176.00	77.50	4.31
WF 6 X 20	157.00	6.60	153.00	9.30	6.00	138.40	126.40	37.90	29.76	1.714.00	218.00	6.73	556.00	72.60	3.83	244.00	111.00	10.20
WF 6 X 25	162.00	8.10	154.00	11.60	6.00	138.80	126.80	47.30	37.20	2.219.00	274.00	6.85	707.00	91.80	3.87	310.00	140.00	19.50
WF 8 X 10	200.00	4.30	100.00	5.20	8.00	189.60	173.60	19.10	15.00	1.280.00	128.00	8.18	86.89	17.38	2.13	145.20	27.10	1.93
WF 8 X 13	203.00	5.80	102.00	6.50	8.00	190.00	174.00	24.80	19.30	1.662.00	163.70	8.17	115.40	22.63	2.15	188.10	35.69	3.99
WF 8 X 15	206.00	6.20	102.00	8.00	8.00	190.00	174.00	28.60	22.50	2.004.00	194.50	8.36	142.00	27.85	2.22	222.80	43.72	5.97
WF 8 X 14	203.00	5.00	133.00	6.40	8.00	190.20	174.20	27.08	21.00	1.980.00	195.10	8.55	251.30	37.78	3.05	217.70	58.03	3.74
WF 8 X 18	207.00	5.80	133.00	8.40	8.00	190.20	174.20	33.90	26.79	2.585.00	250.00	8.73	330.00	49.60	3.12	279.00	76.20	7.31
WF 8 X 21	210.00	6.40	134.00	10.20	8.00	189.60	173.60	40.00	31.25	3.124.00	299.00	8.86	410.00	61.10	3.20	336.00	93.80	12.10
WF 8 X 24	201.00	6.20	165.00	10.20	10.00	180.60	160.60	45.70	35.72	3.437.00	342.00	8.67	764.00	92.60	4.09	379.00	141.00	14.50
WF 8 X 28	205.00	7.20	166.00	11.80	10.00	181.40	161.40	53.10	41.67	4.086.00	399.00	8.77	900.00	108.00	4.12	445.00	165.00	22.30
WF 8 X 31	203.00	7.20	203.00	11.00	10.00	181.00	161.00	58.60	46.13	4.543.00	448.00	8.81	1.535.00	151.00	5.12	495.00	229.00	22.20
WF 8 X 35	206.00	7.90	204.00	12.60	10.00	180.80	160.80	66.50	52.09	5.270.00	512.00	8.90	1.784.00	175.00	5.18	569.00	266.00	32.50
WF 8 X 40	210.00	9.10	205.00	14.20	10.00	181.60	161.60	75.60	59.53	6.111.00	582.00	8.99	2.040.00	199.00	5.20	653.00	303.00	46.80
WF 8 X 48	216.00	10.20	206.00	17.40	10.00	181.20	161.20	91.00	71.43	7.660.00	709.00	9.17	2.537.00	246.00	5.28	803.00	375.00	82.10
WF 8 X 58	222.00	13.00	209.00	20.60	10.00	180.80	160.80	110.00	86.31	9.469.00	853.00	9.26	3.138.00	300.00	5.33	981.00	458.00	141.00
WF 8 X 67	229.00	14.50	210.00	23.70	10.00	181.60	161.60	127.00	99.71	11.330.00	989.00	9.45	3.664.00	349.00	5.38	1.149.00	533.00	211.00
WF 10 X 12	251.00	4.80	101.00	5.30	8.00	240.40	224.40	22.80	17.90	2.252.00	179.50	9.92	91.34	18.09	2.00	207.80	28.67	2.50
WF 10 X 15	254.00	5.80	102.00	6.90	8.00	240.20	224.20	28.50	22.30	2.901.00	228.40	10.06	122.60	24.03	2.07	264.60	38.20	4.68
WF 10 X 17	257.00	6.10	102.00	8.40	8.00	240.20	224.20	32.20	25.30	3.430.00	266.90	10.30	149.20	29.25	2.15	307.50	46.20	6.77
WF 10 X 19	260.00	6.40	102.00	10.00	8.00	240.00	224.00	36.30	28.40	3.998.00	307.50	10.51	177.50	34.81	2.21	352.90	54.71	9.80
WF 10 X 16	253.00	5.00	145.00	6.40	8.00	240.20	224.20	31.12	24.00	3.477.00	274.80	10.57	325.60	44.90	3.23	307.50	69.02	4.16
WF 10 X 22	258.00	6.10	146.00	9.10	8.00	239.80	223.80	41.70	32.74	4.895.00	379.00	10.80	473.00	64.70	3.36	425.00	99.50	10.00
WF 10 X 26	262.00	6.60	147.00	11.20	8.00	239.60	223.60	49.30	38.69	6.014.00	459.00	11.00	594.00	80.80	3.47	514.00	124.00	17.00
WF 10 X 30	266.00	7.60	148.00	13.00	8.00	240.00	224.00	57.30	44.65	7.115.00	535.00	11.10	703.00	95.10	3.50	603.00	146.00	26.40
WF 10 X 33	247.00	7.40	202.00	11.00	13.00	225.00	199.00	62.50	49.11	7.069.00	572.00	10.60	1.513.00	150.00	4.92	634.00	228.00	24.50
WF 10 X 39	252.00	8.00	203.00	13.50	13.00	225.00	199.00	74.30	58.04	8.736.00	693.00	10.80	1.884.00	186.00	5.04	771.00	283.00	41.10
WF 10 X 45	257.00	8.90	204.00	15.70	13.00	225.60	199.60	85.60	66.97	10.360.00	807.00	11.00	2.224.00	218.00	5.10	902.00	332.00	62.60
WF 10 X 49	253.00	8.60	254.00	14.20	13.00	224.60	198.60	92.90	72.92	11.280.00	892.00	11.00	3.880.00	306.00	6.46	986.00	463.00	57.80
WF 10 X 54	256.00	9.40	255.00	15.60	13.00	224.80	198.80	102.00	80.36	12.570.00	982.00	11.10	4.314.00	338.00	6.50	1.091.00	513.00	76.20
WF 10 X 60	260.00	10.70	256.00	17.30	13.00	225.40	199.40	114.00	89.29	14.260.00	1.097.00	11.20	4.841.00	378.00	6.51	1.227.00	575.00	105.00

EQUIVALENCIAS ENTRE PERFILES EUROPEOS (IPE, HE, IPN, HD) Y AMERICANOS (WF Y S)

EQUIVALENCIAS ENTRE PERFILES						
EQUIVALENCIAS APROXIMADAS ENTRE PERFILES						
PERFIL WF	PERFIL S	PERFIL HEA	PERFIL HEB	PERFIL IPE	PERFIL IPN	PERFIL HD
NORMA ASTM	NORMA ASTM	NORMA DIN	NORMA DIN	NORMA DIN	NORMA DIN	NORMA ASTM
WF 30 X 99				IPE 750 X 146		
WF 30 X 108				IPE 750 X 160		
WF 30 X 116				IPE 750 X 173		
WF 30 X 124				IPE 750 X 183		
WF 30 X 132				IPE 750 X 195		
WF 30 X 173		HEA 800	HEB 800			
WF 30 X 191		HEA 900	HEB 900			
WF 30 X 211		HEA 1000	HEB 900			
WF 33 X 118		HEA 700		IPE 750 X 183		
WF 33 X 130		HEA 800		IPE 750 X 195		
WF 33 X 141		HEA 800				
WF 33 X 152		HEA 800				
WF 33 X 201			HEB 900			
WF 33 X 221		HEA 1000				
WF 33 X 241			HEB 1000			
WF 36 X 135		HEA A 900				
WF 36 X 150		HEA 900				
WF 36 X 160		HEA 900				
WF 36 X 170		HEA 900				
WF 36 X 182			HEB 900			
WF 36 X 194			HEB 900			
WF 36 X 210		HEA 1000				
WF 36 X 230			HEB 1000			
WF 36 X 245			HEM 1000			
WF 36 X 260		HE 900 X 396				
WF 36 X 280			HE 1000 X 415			
WF 36 X 300		HE 900 X 471				

Nota: La información aquí contenida fue preparada para brindar apoyo técnico a nuestro Departamento Comercial, no debe ser usada sin la supervisión de un profesional competente con conocimiento en diseño de estructuras metálicas.