PanelCo
El acero que mueve sus proyectos

VIGAS - IPE - HEA - WF
CANALES

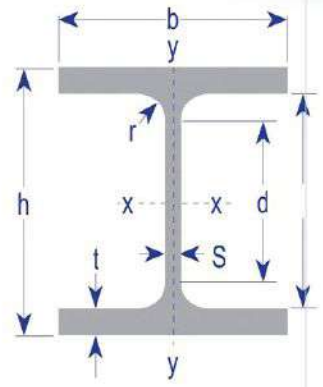

Tabla de referencia perfil H americano de al ancha - WF

PERFILES WF	DIMENSIONES Y PROPIEDADES PARA EL DISEÑO																	
	DIMENSIONES							AREA	PESO	PROPIEDADES ELASTICAS						MODULO PLASTICO		CONSTORS
	ALTURA		ALA		DISTANCIAS					EJE X-X			EJE Y-Y					
DESIGNACION	h	s	b	t	r	c	d			Ix	Sx	rx	Iy	Sy	ry	Zx	Zy	Jt
	mm	mm	mm	mm	mm	mm	mm	cm²	kg/mt	cm⁴	cm³	cm	cm⁴	cm³	cm	cm³	cm³	cm⁴
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

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PBX: 360 2815
301 540 3528 315 256 3126
Bogotá D.C. Colombia.

Sucursal Tejas y Paneles: Cra. 25 No. 13-76 Paloquemao
PBX: 360 2815
Bogotá D.C. Colombia.

PanelCo
El acero que mueve sus proyectos

VIGAS - IPE - HEA - WF
CANALES

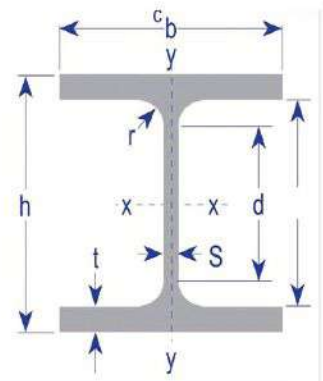

Tabla de referencia perfil H americano de ala ancha - WF

PERFILES WF	DIMENSIONES Y PROPIEDADES PARA EL DISEÑO																	
	DIMENSIONES							AREA	PESO	PROPIEDADES ELASTICAS						MODULO PLASTICO		CONSTORS
	ALTURA		ALA		DISTANCIAS					EJE X-X			EJE Y-Y					
DESIGNACION	h	s	b	t	r	c	d			Ix	Sx	rx	Iy	Sy	ry	Zx	Zy	Jt
	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 10 X 68	264.00	11.90	257.00	19.60	13.00	224.80	198.80	129.00	101.20	16.380.00	1.241.00	11.30	5.549.00	432.00	6.56	1.397.00	657.00	150.00
WF 10 X 77	269.00	13.50	259.00	22.10	13.00	224.80	198.80	146.00	114.59	18.940.00	1.409.00	11.40	6.405.00	495.00	6.62	1.600.00	753.00	216.00
WF 10 X 88	275.00	15.40	261.00	25.10	13.00	224.80	198.80	167.00	130.96	22.160.00	1.611.00	11.50	7.446.00	571.00	6.68	1.848.00	870.00	316.00
WF 10 X 100	282.00	17.30	263.00	28.40	13.00	225.20	199.20	190.00	148.82	25.940.00	1.840.00	11.70	8.622.00	656.00	6.74	2.129.00	1.001.00	457.00
WF 10 X 112	289.00	19.20	265.00	31.80	13.00	225.40	199.40	213.00	166.67	30.020.00	2.078.00	11.90	9.879.00	746.00	6.81	2.427.00	1.139.00	640.00
WF 12 X 14	303.00	5.10	101.00	5.70	8.00	291.60	275.60	26.80	21.00	3.708.00	244.80	11.75	98.31	19.47	1.91	287.10	31.19	3.17
WF 12 X 16	305.00	5.60	101.00	6.70	8.00	291.60	275.60	30.40	23.80	4.280.00	280.70	11.87	115.60	22.89	1.95	328.60	36.70	4.50
WF 12 X 19	309.00	6.00	102.00	8.90	8.00	291.20	275.20	35.90	28.30	5.431.00	351.50	12.27	158.10	30.99	2.09	406.90	49.15	7.72
WF 12 X 22	313.00	6.60	102.00	10.80	8.00	291.40	275.40	41.80	32.70	6.507.00	415.80	12.47	191.90	37.62	2.14	480.90	59.63	12.36
WF 12 X 21	306.00	5.00	164.00	7.40	8.00	291.20	275.20	39.38	31.00	6.554.00	428.40	12.90	544.40	66.39	3.72	476.30	101.60	6.25
WF 12 X 26	310.00	5.80	165.00	9.70	8.00	290.60	274.60	49.40	38.69	8.518.00	550.00	13.10	727.00	88.10	3.84	611.00	135.00	12.70
WF 12 X 30	313.00	6.60	166.00	11.20	8.00	290.60	274.60	56.90	44.65	9.934.00	635.00	13.20	855.00	103.00	3.88	708.00	158.00	19.30
WF 12 X 35	317.00	7.60	167.00	13.20	8.00	290.60	274.60	66.70	52.09	11.850.00	747.00	13.30	1.026.00	123.00	3.92	838.00	189.00	31.10
WF 12 X 40	303.00	7.50	203.00	13.10	15.00	276.80	246.80	75.88	60.00	12.860.00	848.90	13.02	1.829.00	180.20	4.91	940.70	275.20	39.15
WF 12 X 45	306.00	8.50	204.00	14.60	15.00	276.80	246.80	85.03	67.00	14.510.00	948.40	13.06	2.069.00	202.80	4.93	1.057.00	310.30	54.03
WF 12 X 50	310.00	9.40	205.00	16.30	15.00	277.40	247.40	94.84	74.00	16.450.00	1.061.00	13.17	2.344.00	228.70	4.97	1.188.00	350.20	74.05
WF 12 X 53	306.00	8.80	254.00	14.60	15.00	276.80	246.80	100.00	78.87	17.670.00	1.155.00	13.30	3.990.00	314.00	6.30	1.275.00	478.00	65.50
WF 12 X 58	310.00	9.10	254.00	16.30	15.00	277.40	247.40	110.00	86.00	19.850.00	1.280.00	13.43	4.455.00	350.80	6.36	1.417.00	533.10	86.96
WF 12 X 65	308.00	9.90	305.00	15.40	15.00	277.20	247.20	123.00	96.73	22.240.00	1.444.00	13.40	7.286.00	478.00	7.69	1.591.00	725.00	91.50
WF 12 X 72	311.00	10.90	306.00	17.00	15.00	277.00	247.00	136.00	107.15	24.790.00	1.594.00	13.50	8.123.00	531.00	7.72	1.765.00	806.00	122.00
WF 12 X 79	314.00	11.90	307.00	18.70	15.00	276.60	246.60	150.00	117.57	27.510.00	1.753.00	13.60	9.024.00	588.00	7.76	1.949.00	893.00	161.00
WF 12 X 87	318.00	13.10	308.00	20.60	15.00	276.80	246.80	165.00	129.47	30.770.00	1.935.00	13.70	10.040.00	652.00	7.80	2.164.00	991.00	214.00
WF 12 X 96	323.00	14.00	309.00	22.90	15.00	277.20	247.20	182.00	142.86	34.760.00	2.153.00	13.80	11.270.00	729.00	7.86	2.419.00	1.109.00	288.00
WF 12 X 106	327.00.	15.50	310.00	25.10	15.00	276.80	246.80	200.00	157.75	38.630.00	2.363.00	13.90	12.470.00	805.00	7.89	2.672.00	1.225.00	380.00
WF 12 X 120	333.00	18.00	313.00	28.10	15.00	276.80	246.80	228.00	178.58	44.530.00	2.675.00	14.00	14.380.00	919.00	7.95	3.053.00	1.401.00	544.00
WF 12 X 136	341.00	20.10	315.00	31.70	15.00	277.60	247.60	257.00	202.39	51.870.00	3.042.00	14.20	16.540.00	1.050.00	8.01	3.502.00	1.603.00	777.00
WF 12 X 152	348.00	22.10	317.00	35.60	15.00	276.80	246.80	289.00	226.20	59.560.00	3.423.00	14.40	18.930.00	1.194.00	8.10	3.975.00	1.825.00	1.089.00
WF 12 x 170	356.00	24.40	319.00	39.60	15.00	276.80	246.80	322.00	252.99	66.230.00	3.833.00	14.60	21.460.00	1.346.00	8.16	4.490.00	2.059.00	1.495.00
WF 12 x 190	365.00	26.90	322.00	44.10	15.00	276.80	246.80	360.00	282.75	78.680.00	4.311.00	14.80	24.590.00	1.527.00	8.26	5.096.00	2.340.00	2.062.00
WF 12 x 210	374.00	30.00	325.00	48.30	15.00	277.40	247.40	399.00	312.52	89.560.00	4.789.00	15.00	27.700.00	1.705.00	8.33	5.716.00	2.617.00	2.742.00
WF 12 x 230	382.00	32.60	328.00	52.60	15.00	276.80	246.80	437.00	342.28	100.500.00	5.262.00	15.20	31.020.00	1.892.00	8.42	6.334.00	2.907.00	3.552.00
WF 12 x 252	391.00	35.40	330.00	57.20	15.00	276.60	246.60	477.00	375.02	112.800.00	5.769.00	15.40	34.370.00	2.083.00	8.49	7.004.00	3.205.00	4.570.00
WF 12 x 279	403.00	38.90	334.00	62.70	15.00	277.60	247.60	529.00	415.20	129.900.00	6.448.00	15.70	39.080.00	2.340.00	8.60	7.902.00	3.607.00	6.065.00
WF 12 x 305	415.00	41.30	336.00	68.70	15.00	277.60	247.60	578.00	453.89	147.900.00	7.130.00	16.00	43.610.00	2.596.00	8.66	8.816.00	4.001.00	7.868.00
WF 12 x 336	427.00	45.10	340.00	75.10	15.00	276.80	246.80	637.00	500.02	168.800.00	7.907.00	16.30	49.420.00	2.907.00	8.61	9.875.00	4.487.00	0.330.00
WF 14 X 22	349.00	5.80	127.00	8.50	10.00	332.00	312.00	41.90	32.90	8.258.00	473.20	14.07	291.00	45.82	2.64	541.50	71.80	8.65
WF 14 X 26	353.00	6.50	128.00	10.70	10.00	331.60	311.60	49.60	39.00	10.231.00	579.70	14.33	375.00	58.60	2.74	661.50	91.60	15.04
WF 14 X 30	352.00	6.90	171.00	9.80	10.00	332.40	312.40	57.30	44.65	12.160.00	691.00	14.60	818.00	95.70	3.78	778.00	148.00	16.20
WF 14 X 34	355.00	7.20	171.00	11.60	10.00	331.80	311.80	64.40	50.60	14.120.00	796.00	14.80	968.00	113.00	3.88	893.00	174.00	23.80
WF 14 X 38	358.00	7.90	172.00	13.10	10.00	331.80	311.80	72.10	56.55	16.040.00	896.00	14.90	1.113.00	129.00	3.93	1.009.00	199.00	33.50
WF 14 X 43	347.00	7.70	203.00	13.50	15.00	320.00	290.00	81.30	64.00	17.830.00	1.027.00	14.80	1.885.00	185.70	4.81	1.141.00	284.30	43.21
WF 14 X 48	350.00	8.60	204.00	15.10	15.00	319.80	289.80	91.00	72.00	20.100.00	1.149.00	14.86	2.140.00	209.80	4.85	1.282.00	321.60	59.71
WF 14 X 53	354.00	9.40	205.00	16.80	15.00	320.40	290.40	101.00	79.00	22.650.00	1.280.00	14.98	2.416.00	235.70	4.89	1.433.00	361.60	80.72
WF 14 X 61	353.00	9.50	254.00	16.40	15.00	320.20	290.20	116.00	90.76	26.690.00	1.512.00	15.20	4.483.00	353.00	6.23	1.676.00	538.00	91.20
WF 14 X 68	357.00	10.50	255.00	18.30	15.00	320.40	290.40	129.00	101.20	30.150.00	1.689.00	15.30	5.062.00	397.00	6.27	1.880.00	605.00	125.00
WF 14 X 74	360.00	11.40	256.00	19.90	15.00	320.20	290.20	140.00	110.12	33.090.00	1.838.00	15.40	5.570.00	435.00	6.30	2.055.00	664.00	160.00
WF 14 X 82	363.00	13.00	257.00	21.70	15.00	319.60	289.60	155.00	122.03	36.530.00	2.013.00	15.40	6.147.00	478.00	6.30	2.266.00	732.00	212.00

Principal: Cra. 27 No. 15-24 Paloquemao
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Sucursal Tejas y Paneles: Cra. 25 No. 13-76 Paloquemao
PBX: 360 2815
Bogotá D.C. Colombia.

PanelCo
El acero que mueve sus proyectos

VIGAS - IPE - HEA - WF
CANALES

Tabla de referencia perfil H americano de ala ancha - WF

PERFILES WF	DIMENSIONES Y PROPIEDADES PARA EL DISEÑO																	
	DIMENSIONES									PROPIEDADES ELASTICAS						MODULO PLASTICO		CONS TORS
	ALTURA		ALA		DISTANCIAS			AREA	PESO	EJE X-X			EJE Y-Y					
DESIGNACION	h	s	b	t	r	c	d			Ix	Sx	rx	Iy	Sy	ry	Zx	Zy	Jt
	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 14 X 90	356.00	11.20	369.00	18.00	15.00	320.00	290.00	171.00	133.93	41.510.00	2.332.00	15.60	15.080.00	817.00	9.40	2.562.00	1.237.00	169.00
WF 14 X 99	360.00	12.30	370.00	19.80	15.00	320.40	290.40	188.00	147.33	46.290.00	2.572.00	15.70	16.720.00	904.00	9.43	2.838.00	1.369.00	224.00
WF 14 X 109	364.00	13.30	371.00	21.80	15.00	320.40	290.40	206.00	162.21	51.540.00	2.832.00	15.80	18.560.00	1.001.00	9.49	3.139.00	1.516.00	296.00
WF 14 X 120	368.00	15.00	373.00	23.90	15.00	320.20	290.20	228.00	178.58	57.440.00	3.122.00	15.90	20.680.00	1.109.00	9.52	3.482.00	1.683.00	394.00
WF 14 X 132	372.00	16.40	374.00	26.20	15.00	319.60	289.60	250.00	196.44	63.630.00	3.421.00	15.90	22.860.00	1.222.00	9.56	3.837.00	1.856.00	517.00
WF 14 X 145	375.00	17.30	394.00	27.70	15.00	319.60	289.60	275.00	215.78	71.140.00	3.794.00	16.10	28.250.00	1.434.00	10.10	4.262.00	2.176.00	637.00
WF 14 X 159	380.00	18.90	395.00	30.20	15.00	319.60	289.60	301.00	236.62	78.780.00	4.146.00	16.20	31.040.00	1.572.00	10.20	4.686.00	2.387.00	625.00
WF 14 X 176	387.00	21.10	396.00	33.30	15.00	320.40	290.40	335.00	261.92	89.410.00	4.620.00	16.30	35.020.00	1.760.00	10.20	5.260.00	2.676.00	1.116.00
WF 14 X 193	393.00	22.60	399.00	36.60	15.00	319.80	289.80	366.00	287.22	99.710.00	5.074.00	16.50	38.780.00	1.944.00	10.30	5.813.00	2.957.00	1.464.00
WF 14 X 211	399.00	24.90	401.00	39.60	15.00	319.80	289.80	399.00	314.00	110.200.00	5.525.00	16.60	42.600.00	2.125.00	10.30	6.374.00	3.236.00	1.870.00
WF 14 X 233	407.00	27.20	404.00	43.70	15.00	319.80	289.80	442.00	346.74	124.900.00	6.140.00	16.80	48.090.00	2.380.00	10.40	7.139.00	3.629.00	2.510.00
WF 14 X 257	416.00	29.80	406.00	48.00	15.00	320.00	290.00	487.00	382.46	141.300.00	6.794.00	17.00	53.620.00	2.641.00	10.50	7.965.00	4.031.00	3.326.00
WF 14 X 283	425.00	32.80	409.00	52.60	15.00	319.80	289.80	537.00	421.15	159.600.00	7.510.00	17.20	60.080.00	2.938.00	10.60	8.880.00	4.489.00	4.396.00
WF 14 X 311	435.00	35.80	412.00	57.40	15.00	320.20	290.20	590.00	462.82	180.200.00	8.263.00	17.50	67.040.00	3.254.00	10.70	9.878.00	4.978.00	5.735.00
WF 14 X 342	446.00	39.10	416.00	62.70	15.00	320.60	290.60	649.00	508.95	204.500.00	9.172.00	17.80	75.400.00	3.625.00	10.80	11.030.00	5.552.00	7.513.00
WF 14 X 370	455.00	42.00	418.00	67.60	15.00	319.80	289.80	701.00	550.62	226.100.00	9.939.00	18.00	82.490.00	3.947.00	10.80	12.050.00	6.051.00	9.410.00
WF 14 X 398	465.00	45.00	421.00	72.30	15.00	320.40	290.40	755.00	592.29	250.200.00	10.760.00	18.20	90.170.00	4.284.00	10.90	13.140.00	6.574.00	11.560.00
WF 14 X 426	474.00	47.60	424.00	77.10	15.00	319.80	289.80	808.00	633.96	274.200.00	11.570.00	18.40	98.250.00	4.634.00	11.00	14.220.00	7.117.00	14.020.00
WF 14 X 455	483.00	51.20	428.00	81.50	15.00	320.00	290.00	863.00	677.12	299.500.00	12.400.00	18.60	106.900.00	4.994.00	11.10	15.350.00	7.680.00	16.790.00
WF 14 X 500	498.00	55.60	432.00	88.90	15.00	320.20	290.20	948.00	744.08	342.100.00	13.740.00	19.00	119.900.00	5.552.00	11.20	17.170.00	8.549.00	21.840.00
WF 14 X 550	514.00	60.50	437.00	97.00	15.00	320.00	290.00	1.043.00	818.49	392.200.00	15.260.00	19.40	135.500.00	6.203.00	11.40	19.260.00	9.561.00	28.510.00
WF 14 X 605	531.00	65.90	442.00	106.00	15.00	319.00	289.00	1.149.00	900.34	450.200.00	16.960.00	19.80	153.300.00	6.938.00	11.60	21.620.00	10.710.00	37.350.00
WF 14 X 665	550.00	71.90	448.00	115.00	15.00	320.00	290.00	1.262.00	989.63	518.900.00	18.870.00	20.30	173.400.00	7.739.00	11.70	24.280.00	11.960.00	48.210.00
WF 14 X 730	569.00	78.00	454.00	125.00	15.00	319.00	289.00	1.386.00	1.086.36	595.700.00	20.940.00	20.70	196.200.00	8.645.00	11.90	27.210.00	13.380.00	62.290.00
WF 16 X 26	399.00	6.40	140.00	8.80	10.00	381.40	361.40	49.50	38.80	12.620.00	632.60	15.93	403.50	57.65	2.85	727.80	90.55	11.17
WF 16 X 31	403.00	7.00	140.00	11.20	10.00	380.60	360.60	58.80	46.10	15.550.00	771.90	16.26	513.60	73.37	2.95	883.60	114.90	19.25
WF 16 X 36	403.00	7.50	177.00	10.90	10.00	381.20	361.20	68.00	53.57	18.600.00	923.00	16.50	1.009.00	114.00	3.65	1.045.00	177.00	22.80
WF 16 X 40	407.00	7.70	178.00	12.80	10.00	381.40	361.40	75.80	59.53	21.570.00	1.060.00	16.90	1.205.00	135.00	3.99	1.194.00	209.00	32.80
WF 16 X 45	410.00	8.80	179.00	14.40	10.00	381.20	361.20	86.00	66.97	24.550.00	1.197.00	16.90	1.379.00	154.00	4.01	1.356.00	239.00	47.10
WF 16 X 50	413.00	9.70	180.00	16.00	10.00	381.00	361.00	95.40	74.41	27.480.00	1.331.00	17.00	1.559.00	173.00	4.04	1.512.00	269.00	64.00
WF 16 X 57	417.00	10.90	181.00	18.20	10.00	380.60	360.60	108.00	84.63	31.530.00	1.512.00	17.10	1.803.00	199.00	4.08	1.725.00	310.00	93.10
WF 16 X 67	415.00	10.00	260.00	16.90	10.00	381.20	361.20	127.00	99.71	39.760.00	1.916.00	17.70	4.954.00	381.00	6.25	2.129.00	581.00	99.70
WF 16 X 77	420.00	11.60	261.00	19.30	10.00	381.40	361.40	146.00	114.59	46.140.00	2.197.00	17.80	5.725.00	439.00	6.27	2.456.00	671.00	149.00
WF 16 X 89	425.00	13.30	263.00	22.20	10.00	380.60	360.60	168.00	132.45	53.830.00	2.533.00	17.90	6.739.00	512.00	6.33	2.850.00	785.00	227.00
WF 16 X 100	431.00	14.90	265.00	25.00	10.00	381.00	361.00	190.00	148.82	61.840.00	2.870.00	18.00	7.765.00	586.00	6.39	3.247.00	900.00	324.00
WF 18 X 35	450.00	7.60	152.00	10.80	10.00	428.40	408.40	66.20	52.09	21.200.00	942.00	17.90	634.00	83.40	3.09	1.088.00	131.00	21.20
WF 18 X 40	455.00	8.00	153.00	13.30	10.00	428.40	408.40	75.80	59.53	25.480.00	1120.00	18.30	796.00	104.00	3.24	1284.00	163.00	33.60
WF 18 X 46	459.00	9.10	154.00	15.40	10.00	428.20	408.20	87.30	68.46	29.680.00	1293.00	18.40	941.00	122.00	3.28	1487.00	192.00	51.10
WF 18 X 41	450.00	8.10	189.00	10.80	10.00	428.40	408.40	76.40	61.00	25.380.00	1.128.00	18.23	1.217.50	128.80	3.99	1.286.00	200.50	26.02
WF 18 X 45	454.00	8.50	190.00	12.70	10.00	428.60	408.60	85.50	67.00	29.470.00	1.298.00	18.56	1.454.40	153.10	4.12	1.473.00	237.50	37.46
WF 18 X 50	457.00	9.00	190.00	14.50	10.00	428.00	408.00	94.50	74.41	33.250.00	1.455.00	18.80	1.661.00	175.00	4.19	1.649.00	271.00	51.90
WF 18 X 55	460.00	9.90	191.00	16.00	10.00	428.00	408.00	104.00	81.85	36.990.00	1.608.00	18.80	1.862.00	195.00	4.22	1.828.00	303.00	69.50
WF 18 X 60	463.00	10.50	192.00	17.70	10.00	427.60	407.60	114.00	89.29	40.940.00	1.768.00	19.00	2.093.00	218.00	4.29	2.011.00	339.00	91.10
WF 18 X 65	466.00	11.40	193.00	19.00	10.00	428.00	408.00	123.00	96.73	44.490.00	1.909.00	19.00	2.280.00	237.00	4.31	2.179.00	368.00	114.00
WF 18 X 71	469.00	12.60	194.00	20.60	10.00	427.80	407.80	135.00	105.66	48.810.00	2.081.00	19.00	2.515.00	259.00	4.32	2.387.00	405.00	147.00

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PERFILES WF	DIMENSIONES Y PROPIEDADES PARA EL DISEÑO																	
	DIMENSIONES							AREA	PESO	PROPIEDADES ELASTICAS						MODULO PLASTICO		CONS TORS
	ALTURA		ALA		DISTANCIAS					EJE X-X			EJE Y-Y					
DESIGNACION	h	s	b	t	r	c	d			Ix	Sx	rx	Iy	Sy	ry	Zx	Zy	Jt
	mm	mm	mm	mm	mm	mm	mm	cm²	kg/mt	cm⁴	cm³	cm	cm⁴	cm³	cm	cm³	cm³	cm⁴
WF 18 X 76	463.00	10.80	280.00	17.30	10.00	428.40	408.40	144.00	113.10	55.600.00	2.402.00	19.60	6.335.00	452.00	6.63	2.673.00	691.00	119.00
WF 18 X 86	467.00	12.20	282.00	19.60	10.00	427.80	407.80	164.00	127.98	63.700.00	2.728.00	19.70	7.333.00	520.00	6.70	3.049.00	796.00	173.00
WF 18 X 97	472.00	13.60	283.00	22.10	10.00	427.80	407.80	184.00	144.35	72.610.00	3.076.00	19.90	8.358.00	591.00	6.74	3.454.00	906.00	246.00
WF 18 X 106	476.00	15.00	284.00	23.90	10.00	428.20	408.20	201.00	157.75	79.630.00	3.346.00	19.90	9.137.00	643.00	6.74	3.774.00	989.00	314.00
WF 18 X 119	482.00	16.60	286.00	26.90	10.00	428.20	408.20	226.00	177.09	91.010.00	3.776.00	20.10	10.510.00	735.00	6.82	4.280.00	1.131.00	445.00
WF 18 X 130	489.00	17.00	283.00	30.50	10.00	428.00	408.00	246.00	193.46	102.400.00	4.186.00	20.40	11.540.00	816.00	6.85	4.754.00	1.253.00	607.00
WF 18 X 143	495.00	18.50	285.00	33.50	10.00	428.00	408.00	271.00	212.81	114.300.00	4.619.00	20.50	12.950.00	909.00	6.91	5.272.00	1.398.00	803.00
WF 18 X 158	501.00	20.60	287.00	36.60	10.00	427.80	407.80	299.00	235.13	127.300.00	5.083.00	20.60	14.450.00	1.007.00	6.95	5.839.00	1.554.00	1.059.00
WF 18 X 175	509.00	22.60	289.00	40.40	10.00	428.20	408.20	331.00	260.43	143.700.00	5.646.00	20.80	16.300.00	1.128.00	7.01	6.525.00	1.743.00	1.423.00
WF 18 X 192	517.00	24.40	291.00	44.40	10.00	428.20	408.20	364.00	285.73	161.100.00	6.231.00	21.00	18.290.00	1.257.00	7.09	7.243.00	1.945.00	1.877.00
WF 18 X 211	525.00	26.90	293.00	48.50	10.00	428.00	408.00	400.00	314.00	179.800.00	6.851.00	21.20	20.400.00	1.393.090	7.14	8.021.00	2.161.00	2.461.00
WF 18 X 234	535.00	29.50	296.00	53.60	10.00	427.80	407.80	444.00	348.23	204.200.00	7.635.00	21.40	23.260.00	1.572.00	7.24	9.006.00	2.443.00	3.323.00
WF 18 X 258	545.00	32.50	299.00	58.40	10.00	428.20	408.20	489.00	383.95	229.400.00	8.417.00	21.70	26.140.00	1.749.00	7.31	10.000.00	2.725.00	4.339.00
WF 18 X 283	555.00	35.60	302.00	63.50	10.00	428.00	408.00	537.00	421.15	256.600.00	9.246.00	21.90	29.310.00	1.941.00	7.39	11.070.00	3.033.00	5.621.00
WF 18 X 311	567.00	38.60	305.00	69.60	10.00	427.80	407.80	591.00	462.82	289.900.00	10.230.00	22.20	33.120.00	2.172.00	7.49	12.340.00	3.398.00	7.385.00
WF 21 X 44	525.00	8.90	165.00	11.40	13.00	502.20	476.20	83.80	65.48	35100.00	1337.00	20.50	857.00	104.00	3.20	1563.00	166.00	33.30
WF 21 X 50	529.00	9.70	166.00	13.60	13.00	501.80	475.80	95.30	74.41	41100.00	1554.00	20.80	1042.00	125.00	3.31	1810.00	200.00	49.20
WF 21 X 57	535.00	10.30	166.00	16.50	13.00	502.00	476.00	108.00	84.83	48580.00	1816.00	21.20	1264.00	152.00	3.42	2105.00	242.00	74.50
WF 21 X 62	533.00	10.20	209.00	15.60	13.00	501.80	475.80	118.00	92.27	55.290.00	2.075.00	21.70	2.379.00	228.00	4.49	2.365.00	355.00	77.20
WF 21 X 68	537.00	10.90	210.00	17.40	13.00	502.20	476.20	129.00	101.20	61.740.00	2.300.00	21.90	2.692.00	256.00	4.56	2.622.00	400.00	103.00
WF 21 X 73	539.00	11.60	211.00	18.80	13.00	501.40	475.40	139.00	108.64	66.770.00	2.478.00	21.90	2.951.00	280.00	4.61	2.829.00	437.00	128.00
WF 21 X 83	544.00	13.10	212.00	21.20	13.00	501.60	475.60	157.00	123.52	76.120.00	2.799.00	22.00	3.377.00	319.00	4.64	3.210.00	499.00	183.00
WF 21 X 93	549.00	14.70	214.00	23.60	13.00	501.80	475.80	176.00	138.40	86.120.00	3.138.00	22.10	3.870.00	362.00	4.69	3.615.00	569.00	254.00
WF 21 X 101	543.00	12.70	312.00	20.30	13.00	502.40	476.40	192.00	150.30	100.900.00	3.716.00	22.90	10.290.00	659.00	7.32	4.148.00	1.010.00	218.00
WF 21 X 111	546.00	14.00	313.00	22.20	13.00	501.60	475.60	211.00	165.19	111.000.00	4.066.00	23.00	11.360.00	726.00	7.34	4.556.00	1.113.00	286.00
WF 21 X 122	551.00	15.20	315.00	24.40	13.00	502.20	476.20	232.00	181.56	123.600.00	4.486.00	23.10	12.730.00	808.00	7.41	5.042.00	1.241.00	378.00
WF 21 X 132	554.00	16.50	316.00	26.30	13.00	501.40	475.40	250.00	196.44	134.000.00	4.839.00	23.10	13.850.00	877.00	7.44	5.459.00	1.349.00	475.00
WF 21 X 147	560.00	18.30	318.00	29.20	13.00	501.60	475.60	279.00	218.76	151.100.00	5.396.00	23.30	15.680.00	986.00	7.50	6.116.00	1.520.00	650.00
WF 21 X 166	571.00	19.00	315.00	34.50	13.00	502.00	476.00	314.00	247.04	177.500.00	6.219.00	23.80	18.000.00	1.143.00	7.57	7.063.00	1.759.00	986.00
WF 21 X 182	577 .00	21.10	317.00	37.60	13.00	501.80	475.80	346.00	270.85	196.800.00	6.821.00	23.90	20.000.00	1.262.00	7.61	7.793.00	1.947.00	1.289.00
WF 21 X 201	585.00	23.10	319.00	41.40	13.00	502.20	476.20	382.00	299.12	220.800.00	7.548.00	24.10	22.450.00	1.408.00	7.67	8.672.00	2.176.00	1.718.00
WF 21 X 223	593.00	25.40	322.00	45.50	13.00	502.00	476.00	422.00	331.86	247.800.00	8.356.00	24.20	25.390.00	1.577 .00	7.76	9.658.00	2.442.00	2.290.00
WF 21 X 248	603.00	26.20	324.00	50.50	13.00	502.00	476.00	460.00	369.07	278.900.00	9.252.00	24.60	28.710.00	1.772.00	7.90	10.730.00	2.739.00	3.030.00
WF 21 X 275	613.00	31.00	327.00	55.60	13.00	501.80	475.80	521.00	409.25	316.900.00	10.340.00	24.70	32.530.00	1.990.00	7.90	12.120.00	3.096.00	4.191.00
WF 21 X 300	623.00	33.50	330.00	60.50	13.00	502.00	476.00	569.00	446.45	353.300.00	11.340.00	24.90	36.400.00	2.206.00	8.00	13.380.00	3.438.00	5.400.00
WF 21 X 333	635.00	37.10	334.00	66.50	13.00	502.00	476.00	632.00	495.56	400.600.00	12.620.00	25.20	41.520.00	2.486.00	8.11	15.000.00	3.885.00	7.236.00
WF 21 X 364	647.00	40.40	337.00	72.40	13.00	502.20	476.20	692.00	541.69	448.400.00	13.860.00	25.50	46.470.00	2.758.00	8.19	16.600.00	4.319.00	9.364.00
WF 21 X 402	661.00	43.90	340.00	79.50	13.00	502.00	476.00	762.00	598.24	507.000.00	15.340.00	25.80	52.440.00	3.085.00	8.29	18.520.00	4.841.00	2.350.00
WF 24 X 55	599.00	10.00	178.00	12.80	13.00	573.40	547.40	104.00	81.85	56.030.00	1.871.00	23.20	1.209.00	136.00	3.40	2.199.00	218.00	50.60
WF 24 X 62	603.00	10.90	179.00	15.00	13.00	573.00	547.00	118.00	92.27	64.680.00	2.145.00	23.50	1.441.00	161.00	3.50	2.515.00	259.00	72.80
WF 24 X 68	603.00	10.50	228.00	14.90	13.00	573.20	547.20	130.00	101.20	76.410.00	2.534.00	24.30	2.950.00	259.00	4.77	2.902.00	404.00	79.60
WF 24 X 76	608.00	11.20	228.00	17.30	13.00	573.40	547.40	145.00	113.10	87.600.00	2.882.00	24.60	3.425.00	300.00	4.87	3.292.00	469.00	113.00
WF 24 X 84	612.00	11.90	229.00	19.60	13.00	572.80	546.80	159.00	125.01	98.590.00	3.222.00	24.90	3.932.00	343.00	4.97	3.676.00	535.00	156.00
WF 24 X 94	617 .00	13.10	230.00	22.20	13.00	572.60	546.60	179.00	139.89	112.000.00	3.631.00	25.00	4.514.00	393.00	5.03	4.152.00	613.00	220.00
WF 24 X 103	623.00	14.00	229.00	24.90	13.00	573.20	547.20	196.00	153.00	125.200.00	4.019.00	25.29	4.998.00	436.50	5.05	4.602.00	682.40	297.50

PanelCo
El acero que mueve sus proyectos

VIGAS - IPE - HEA - WF
CANALES

Tabla de referencia perfil H americano de ala ancha - WF

PERFILES WF	DIMENSIONES Y PROPIEDADES PARA EL DISEÑO																	
	DIMENSIONES							AREA	PESO	PROPIEDADES ELASTICAS						MODULO PLASTICO		CONSTORS
	ALTURA		ALA		DISTANCIAS					EJE X-X			EJE Y-Y					
DESIGNACION	h	s	b	t	r	c	d			Ix	Sx	rx	Iy	Sx	ry	Zx	Zy	Jt
	mm	mm	mm	mm	mm	mm	mm	cm²	kg/mt	cm⁴	cm³	cm	cm⁴	cm³	cm	cm³	cm³	cm⁴
WF 24 x 104	611.00	12.70	324.00	19.00	13.00	573.00	547.00	197.00	154.77	129.000.00	4.222.00	25.60	10.780.00	666.00	7.39	4.728.00	1.022.00	198.00
WF 24 x 117	616.00	14.00	325.00	21.60	13.00	572.80	546.80	222.00	174.12	147.200.00	4.778.00	25.70	12.370.00	761.00	7.46	5.362.00	1.170.00	283.00
WF 24 x 131	622.00	15.40	327.00	24.40	13.00	573.20	547.20	249.00	194.95	167.900.00	5.398.00	26.00	14.240.00	871.00	7.56	6.074.00	1.340.00	401.00
WF 24 x 146	628.00	16.50	328.00	27.70	13.00	572.60	546.60	278.00	217.27	190.800.00	6.076.00	26.20	16.310.00	995.00	7.67	6.848.00	1.531.00	565.00
WF 24 x 162	635.00	17.90	329.00	31.00	13.00	573.00	547.00	308.00	241.08	215.400.00	6.785.00	26.40	18.430.00	1.120.00	7.74	7.671.00	1.725.00	776.00
WF 24 x 176	641.00	19.00	327.00	34.00	13.00	573.00	547.00	333.00	261.92	236.000.00	7.363.00	26.60	19.850.00	1.214.00	7.72	8.349.00	1.871.00	998.00
WF 24 x 192	647.00	20.60	329.00	37.10	13.00	572.80	546.80	364.00	285.73	260.700.00	8.059.00	26.80	22.060.00	1.341.00	7.79	9.175.00	2.071.00	1.295.00
WF 24 x 207	653.00	22.10	330.00	39.90	13.00	573.20	547.20	391.00	308.05	283.700.00	8.688.00	26.90	23.950.00	1.452.00	7.82	9.929.00	2.245.00	1.608.00
WF 24 x 229	661.00	24.40	333.00	43.90	13.00	573.20	547.20	434.00	340.79	318.300.00	9.630.00	27.10	27.090.00	1.627.00	7.90	11.070.00	2.522.00	2.153.00
WF 24 x 250	669.00	26.40	335.00	48.00	13.00	573.00	547.00	474.00	372.04	353.200.00	10.560.00	27.30	30.170.00	1.801.00	1.98	12.190.00	2.796.00	2.802.00
WF 24 x 279	679.00	29.50	338.00	53.10	13.00	572.80	546.80	529.00	415.20	399.800.00	11.780.00	27.50	34.300.00	2.030.00	8.05	13.690.00	3.160.00	3.824.00
WF 24 x 306	689.00	32.00	340.00	57.90	13.00	573.20	547.20	579.00	455.38	444.500.00	12.900.00	27.70	38.090.00	2.241.00	8.11	15.090.00	3.496.00	4.948.00
WF 24 x 335	699.00	35.10	343.00	63.00	13.00	573.00	547.00	635.00	498.54	494.700.00	14.150.00	27.90	42.580.00	2.483.00	8.19	16.670.00	3.885.00	6.420.00
WF 24 x 370	711.00	38.60	347.00	69.10	13.00	572.80	546.80	702.00	550.62	557.500.00	15.680.00	28.20	48.400.00	2.790.00	8.30	18.600.00	4.377.00	8.525.00
WF 24 x 408	725.00	41.90	351.00	75.90	13.00	573.20	547.20	774.00	607.17	630.700.00	17.400.00	28.50	55.060.00	3.137.00	8.43	20.780.00	4.931.00	11.280.00
WF 24 x 450	739.00	46.00	354.00	83.10	13.00	572.80	546.80	853.00	669.67	709.400.00	19.200.00	28.80	61.920.00	3.498.00	8.52	23.110.00	5.514.00	14.850.00
WF 24 x 492	753.00	50.00	359.00	89.90	13.00	573.20	547.20	934.00	732.18	793.500.00	21.080.00	29.20	69.930.00	3.896.00	8.66	25.550.00	6.155.00	18.980.00
WF 27 x 84	678.00	11.70	253.00	16.30	15.00	645.40	615.40	160.00	125.01	118.500.00	3.495.00	27.20	4.410.00	349.00	5.25	4.009.00	546.00	119.00
WF 27 x 94	684.00	12.40	254.00	18.90	15.00	646.20	616.20	178.00	139.89	136.100.00	3.979.00	27.60	5.174.00	407.00	5.39	4.549.00	636.00	168.00
WF 27 x 102	688.00	13.10	254.00	21.10	15.00	645.80	615.80	194.00	151.79	150.600.00	4.378.00	27.90	5.777.00	455.00	5.46	5.002.00	710.00	221.00
WF 27 x 114	693.00	14.50	256.00	23.60	15.00	645.80	615.80	216.00	169.65	169.900.00	4.904.00	28.00	6.618.00	517.00	5.53	5.618.00	809.00	307.00
WF 27 x 129	702.00	15.50	254.00	27.90	15.00	646.20	616.20	244.00	192.00	197.900.00	5.639.00	28.49	7.643.00	601.80	5.60	6.457.00	941.00	463.20
WF 27 x 146	695.00	15.40	355.00	24.80	15.00	645.40	615.40	277.00	217.27	234.300.00	6.742.00	29.10	18.510.00	1.043.00	8.17	7.566.00	1.603.00	459.00
WF 27 x 161	701.00	16.80	356.00	27.40	15.00	646.20	616.20	306.00	239.59	261.200.00	7.451.00	29.20	20.630.00	1.159.00	8.22	8.386.00	1.784.00	612.00
WF27 x 178	706.00	18.40	358.00	30.20	15.00	645.60	615.60	337.00	264.89	290.300.00	8.223.00	29.40	23.130.00	1.292.00	8.29	9.285.00	1.992.00	817 .00
WF 27 x 194	714.00	19.00	356.00	34.00	15.00	646.00	616.00	367.00	288.70	324.700.00	9.096.00	29.80	25.610.00	1.439.00	8.36	10.270.00	2.215.00	1.099.00
WF27 x217	722.00	21.10	359.00	38.10	15.00	645.80	615.80	412.00	322.93	369.500.00	10.240.00	30.00	29.430.00	1.640.00	8.45	11.620.00	2.530.00	1.543.00
WF 27 x 235	728.00	23.10	360.00	40.90	15.00	646.20	616.20	446.00	349.72	401.900.00	11.040.00	30.00	31.870.00	1.771.00	8.46	12.590.00	2.739.00	1.927.00
WF 27 x 258	736.00	24.90	362.00	45.00	15.00	646.00	616.00	489.00	383.95	447.400.00	12.160.00	30.30	35.670.00	1.971.00	8.54	13.920.00	3.052.00	2.541.00
WF 27 x 281	744.00	26.90	364.00	49.00	15.00	646.00	616.00	532.00	418.17	493.900.00	13.280.00	30.50	39.500.00	2.170.00	8.61	15.260.00	3.366.00	3.270.00
WF 27 x 307	752.00	29.50	367.00	53.10	15.00	645.80	615.80	582.00	456.87	545.000.00	14.500.00	30.60	43.890.00	2.392.00	8.68	16.760.00	3.720.00	4.200.00
WF 27 x 336	762.00	32.00	369.00	57.90	15.00	646.20	616.20	636.00	500.02	604.700.00	15.870.00	30.80	48.670.00	2.638.00	8.75	18.450.00	4.111.00	5.433.00
WF 27 x 358	772.00	35.10	372.00	63.00	15.00	646.00	616.00	697.00	532.76	671.400.00	17.390.00	31.00	54.290.00	2.919.00	8.82	20.340.00	4.562.00	7.047.00
WF 27 x 407	784.00	38.60	376.00	69.10	15.00	645.80	615.80	771.00	605.68	754.600.00	19.250.00	31.30	61.540.00	3.273.00	8.93	22.660.00	5.129.00	9.352.00
WF 27 x 448	798.00	41.90	379.00	75.90	15.00	646.20	616.20	848.00	666.70	848.900.00	21.280.00	31.60	69.270.00	3.656.00	9.04	25.210.00	5.739.00	12.330.00
WF 27 x 494	812.00	46.00	383.00	83.10	15.00	645.80	615.80	936.00	735.15	954.400.00	23.510.00	31.90	78.350.00	4.091.00	9.15	28.060.00	6.442.00	16.270.00
WF 27 x 539	826.00	50.00	387.00	89.90	15.00	646.20	616.20	.021.00	802.12	1.061.700.00	25.710.00	32.20	87.530.00	4.524.00	9.26	30.890.00	7.141.00	20.740.00
WF 30 x 99	753.00	13.20	265.00	17.00	17.00	719.00	685.00	187.00	147.33	166.100.00	4.411.00	29.80	5.289.00	399.00	5.31	5.110.00	631.00	162.00
WF 30 x 108	758.00	13.80	266.00	19.30	17.00	719.40	685.40	204.00.	160.72	186.100.00	4.909.00	30.20	6.073.00	457.00	5.45	5.666.00	720.00	212.00
WF 30 x 116	762.00	14.40	267.00	21.60	17.00	718.80	684.80	221.00	172.63	205.800.00	5.402.00	30.50	6.873.00	515.00	5.57	6.218.00	810.00	274.00
WF 30 x 124	766.00	14.90	267.00	23.60	17.00	718.80	684.80	236.00	184.53	223.000.00	5.821.00	30.80	7.510.00	563.00	5.65	6.691.00	884.00	337.00
WF 30 x 132	770.00	15.60	268.00	25.40	17.00	719.20	685.20	251.00	196.44	240.300.00	6.241.00	31.00	8.175.00	610.00	5.71	7.174.00	959.00	409.00
WF 30 x 148	779.00	16.50	266.00	30.00	17.00	719.00	685.00	281.00	220.00	278.200.00	7.143.00	31.40	9.440.00	709.90	5.80	8.198.00	1.113.00	609.00

PanelCo
El acero que mueve sus proyectos

VIGAS - IPE - HEA - WF
CANALES

Tabla de referencia perfil H americano de ala ancha - WF

PERFILES WF	DIMENSIONES Y PROPIEDADES PARA EL DISEÑO																	
	DIMENSIONES									PROPIEDADES ELASTICAS						MODULO PLASTICO		CONSTORS
	ALTURA		ALA		DISTANCIAS			AREA	PESO	EJE X-X			EJE Y-Y					
DESIGNACION	h	s	b	t	r	c	d			Ix	Sx	rx	Iy	Sy	ry	Zx	Zy	Jt
	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 30 x 173	773.00	16.60	381.00	27.10	17.00	718.80	684.80	328.00	257.45	341.900.00	8.845.00	32.30	25.010.00	1.313.00	8.73	9.934.00	2.019.00	643.00
WF 30 x 191	779.00	18.00	382.00	30 .10	17.00	718.80	684.80	362.00	284.24	381.500.00	9.794.00	32.50	28.000.00	1.466.00	8.80	11.020.00	2.258.00	866.00
WF 30 x 211	786.00	19.70	384.00	33.40	17.00	719.20	685.20	401.00	314.00	427.700.00	10.880.00	32.70	31.570.00	1.644.00	8.88	12.290.00	2.536.00	1.172.00
WF 30 x 235	795.00	21.10	382.00	38.10	17.00	718.80	684.40	445.00	349.72	485.700.00	12.220.00	33.00	35.460.00	1.856.00	8.92	13.830.00	2.863.00	1.662.00
WF 30 x 261	803.00	23.60	385.00	41.90	17.00	719.20	685.20	495.00	388.41	544.000.00	13.550.00	33.20	39.940.00	2.075.00	8.98	15.420.00	3.209.00	2.237.00
WF 30 x 292	813.00	25.90	387.00	47.00	17.00	719.00	685.00	552.00	434.54	617.700.00	15.190.00	33.40	45.510.00	2.352.00	9.08	17.370.00	3.644.00	3.117.00
WF 30 x 326	823.00	29.00	390.00	52.10	17.00	718.80	684.80	617.00	485.14	697.600.00	16.950.00	33.60	51.660.00	2.649.00	9.15	19.500.00	4.118.00	4.276.00
WF 30 x 357	833.00	31.50	393.00	56.90	17.00	719.20	685.20	676.00	531.28	775.500.00	18.620.00	33.90	57.760.00	2.939.00	9.24	21.520.00	4.577.00	5.567.00
WF 30 x 391	843.00	34.50	396.00	62.00	17.00	719.00	685.00	742.00	581.87	860.400.00	20.410.00	34.10	64.430.00	3.254.00	9.32	23.720.00	5.080.00	7.238.00
WF 30 x 433	855.00	38.10	399.00	68.10	17.00	718.80	684.80	820.00	644.38	964.400.00	22.560.00	34.30	72.440.00	3.631.00	9.40	26.390.00	5.687.00	9.634.00
WF 30 x 477	869.00	41.40	403.00	74.90	17.00	719.20	685.20	904.00	709.86	1.086.000.00	24.990.00	34.70	82.140.00	4.077.00	9.53	29.410.00	6.396.00	12.780.00
WF 30 x 526	883.00	45.50	407.00	82.00	17.00	719.00	685.00	997.00	782.78	1.218.500.00	27.600.00	35.00	92.720.00	4.556.00	9.64	32.700.00	7.170.00	16.860.00
WF 30 x 581	899.00	50.00	411.00	89.90	17.00	719.20	685.20	1.101.00	864.62	1.372.500.00	30.530.00	35.30	104.800.00	5.099.00	9.76	36.450.00	8.050.00	22.310.00
WF 33 x 118	835.00	14.00	292.00	18.80	18.00	797.40	761.40	224.00	175.60	246.400.00	5.901.00	33.10	7.823.00	536.00	5.91	6.816.00	844.00	227.00
WF 33 x 130	840.00	14.70	292.00	21.70	18.00	796.60	760.60	247.00	193.46	278.400.00	6.630.00	33.60	9.029.00	618.00	6.05	7.627.00	971.00	310.00
WF 33 x 141	846.00	15.40	293.00	24.40	18.00	797.20	761.20	269.00	209.83	310.700.00	7.346.00	34.00	10.260.00	700.00	6.18	8.430.00	1.093.00	409.00
WF 33 x 152	851.00	16.10	294.00	26.80	18.00	797.40	761.40	289.00	226.20	340.100.00	7.992.00	34.30	11.380.00	774.00	6.28	9.163.00	1.213.00	518.00
WF 33 x 169	859.00	17.00	292.00	31.00	18.00	797.00	761.00	319.00	251.00	386.500.00	8.999.00	34.79	12.900.00	883.60	6.36	10.304.00	1.383.00	737.60
WF 33 x 201	855.00	18.20	400.00	29.20	18.00	796.60	760.60	381.00	299.12	479.400.00	11.210.00	35.50	31.190.00	1.560.00	9.04	12.640.00	2.406.00	863.00
WF 33 x 221	862.00	19.70	401.00	32.40	18.00	797.20	761.20	420.00	328.88	534.800.00	12.410.00	37.70	34.880.00	1.739.00	9.12	14.020.00	2.686.00	1.155.00
WF 33 x 241	868.00	21.10	403.00	35.60	18.00	796.80	760.80	458.00	358.65	590.600.00	13.610.00	35.90	38.900.00	1.931.00	9.22	15.400.00	2.984.00	1.507.00
WF 33 x 263	877.00	22.10	401.00	39.90	18.00	797.20	761.20	499.00	391.39	658.600.00	15.020.00	36.30	42.960.00	2.143.00	9.28	17.010.00	3.310.00	2.021.00
WF 33 x 291	885.00	24.40	404.00	43.90	18.00	797.20	761.20	552.00	433.06	735.300.00	16.620.00	36.50	48.350.00	2.394.00	9.36	18.900.00	3.706.00	2.702.00
WF33 x 318	893.00	26.40	406.00	48.00	18.00	797.00	761.00	603.00	473.24	812.200.00	18.190.00	36.70	53.670.00	2.644.00	9.43	20.770.00	4.100.00	3.512.00
WF 33 x 354	903.00	29.50	409.00	53.10	18.00	796.80	760.80	672.00	526.81	914.100.00	20.250.00	36.90	60.730.00	2.970.00	9.51	23.250.00	4.620.00	4.788.00
WF 33 x 387	913.00	32.00	411.00	57.90	18.00	797.20	761.20	734.00	575.92	1.010.800.00	22.140.00	37.10	67.230.00	3.271.00	9.57	25.540.00	5.100.00	6.190.00
WF 33 x 424	923.00	35.10	414.00	63.00	18.00	797.00	761.00	804.00	630.98	1.118.600.00	24.240.00	37.30	74.810.00	3.614.00	9.64	28.110.00	5.650.00	8.026.00
WF 33 x 468	935.00	38.60	418.00	69.10	18.00	796.80	760.80	888.00	696.46	1.252.200.00	26.780.00	37.60	84.510.00	4.043.00	9.76	31.250.00	6.340.00	10.640.00
WF 33 x 515	949.00	41.90	421.00	75.90	18.00	797.20	761.20	976.00	766.41	1.402.200.00	29.550.00	37.90	94.900.00	4.508.00	9.86	34.670.00	7.083.00	14.030.00
WF 33 x 567	963.00	46.00	425.00	83.10	18.00	796.80	760.80	1.076.00	843.79	1.569.500.00	32.600.00	38.20	107.000.00	5.035.00	9.97	38.490.00	7.934.00	18.490.00
WF 33 x 619	977.00	50.00	430.00	89.90	18.00	797.20	761.20	1.175.00	921.18	1.741.700.00	35.650.00	38.50	120.000.00	5.581.00	0.10	42.350.00	8.818.00	23.600.00
WF 36 x 135	903.00	15.20	304.00	20.10	19.00	862.80	824.80	256.00	200.90	325.200.00	7.203.00	35.60	9.442.00	621.00	6.07	8.356.00	982.00	298.00
WF 36 x 150	911.00	15.90	304.00	23.90	19.00	863.00	825.20	286.00	223.23	376.800.00	8.273.00	36.30	11.220.00	738.00	6.27	9.540.00	1.163.00	427.00
WF 36 x 160	915.00	16.50	305.00	25.90	19.00	863.20	825.20	304.00	238.11	406.400.00	8.883.00	36.60	12.290.00	806.00	6.36	10.230.00	1.267.00	519.00
WF 36 x 170	919.00	17.30	306.00	27.90	19.00	863.20	825.20	323.00	252.99	437.500.00	9.520.00	36.80	13.370.00	874.00	6.43	10.960.00	1.375.00	631.00
WF 36 x 182	923.00	18.40	307.00	30.00	19.00	863.00	825.00	346.00	270.85	471.600.00	10.220.00	36.90	14.520.00	946.00	6.48	11.780.00	1.491.00	775.00
WF 36 x 194	927.00	19.40	308.00	32.00	19.00	863.00	825.00	368.00	288.70	504.500.00	10.880.00	37.00	15.640.00	1.016.00	6.52	12.570.00	1.603.00	930.00
WF 36 x 210	932.00	21.10	309.00	34.50	19.00	863.00	825.00	398.00	312.52	548.200.00	11.760.00	37.10	17.040.00	1.103.00	6.54	13.630.00	1.748.00	1.171.00

PanelCo
El acero que mueve sus proyectos

VIGAS - IPE - HEA - WF
CANALES

Tabla de referencia perfil H americano de ala ancha - WF

PERFILES WF	DIMENSIONES Y PROPIEDADES PARA EL DISEÑO																	
	DIMENSIONES							AREA	PESO	PROPIEDADES ELASTICAS						MODULO PLASTICO		CONSTORS
	ALTURA		ALA		DISTANCIAS					EJE X-X			EJE Y-Y					
DESIGNACION	h	s	b	t	r	c	d			Ix	Sx	rx	Iy	Sy	ry	Zx	Zy	Jt
	mm	mm	mm	mm	mm	mm	mm	cm²	kg/mt	cm⁴	cm³	cm	cm⁴	cm³	cm	cm³	cm³	cm⁴
WF 36 x 230	912.00	19.30	418.00	32.00	24.00	848.00	800.00	436.00	342.28	624.900.00	13.700.00	37.90	39.010.00	1.867.00	9.46	15.450.00	2.882.00	1.193.00
WF 36 x 245	916.00	20.30	419.00	34.30	24.00	847.40	799.40	464.00	364.60	670.500.00	14.640.00	38.00	42.120.00	2.011.00	9.52	16.520.00	3.106.00	1.446.00
WF 36 x 260	921.00	21.30	420.00	36.60	24.00	847.80	799.80	493.00	386.92	718.300.00	15.600.00	38.20	45.280.00	2.156.00	9.58	17.630.00	3.332.00	1.734.00
WF 36 x 280	928.00	22.50	422.00	39.90	24.00	848.20	800.20	533.00	416.69	787.600.00	16.970.00	38.50	50.070.00	2.373.00	9.70	19.210.00	3.668.00	2.200.00
WF 36 x 300	933.00	24.00	423.00	42.70	24.00	847.60	799.60	570.00	446.45	846.800.00	18.150.00	38.60	53.980.00	2.552.00	9.73	20.600.00	3.951.00	2.685.00
WF 36 x 328	942.00	25.90	422.00	47.00	24.00	848.00	800.00	621.00	488.12	935.400.00	19.860.00	38.80	59.010.00	2.797.00	9.75	22.610.00	4.336.00	3.514.00
WF 36 x 359	950.00	28.40	425.00	51.10	24.00	847.80	799.80	680.00	534.25	1.031.200.00	21.710.00	38.90	65.560.00	3.085.00	9.82	24.830.00	4.796.00	4.542.00
WF 36 x 393	960.00	31.00	427.00	55.90	24.00	848.20	800.20	745.00	584.85	1.143.100.00	23.810.00	39.20	72.770.00	3.408.00	9.88	27.360.00	5.310.00	5.932.00
WF 36 x 439	972.00	34.50	431.00	62.00	24.00	848.00	800.00	832.00	653.31	1.292.100.00	26.590.00	39.40	83.050.00	3.854.00	9.99	30.730.00	6.022.00	8.124.00
WF 36 x 485	984.00	38.10	434.00	68.10	24.00	847.80	799.80	919.00	721.76	1.444.100.00	29.350.00	39.60	93.200.00	4.295.00	10.10	34.120.00	6.733.00	10.800.00
WF 36 x 527	996.00	40.90	437.00	73.90	24.00	848.20	800.20	998.00	784.26	1.592.500.00	31.980.00	40.00	103.300.00	4.728.00	10.20	37.340.00	7.424.00	13.730.00
WF 36 x 588	1.012.00	45.50	442.00	82.00	24.00	848.00	800.00	1.116.00	875.04	1.811.300.00	35.800.00	40.30	118.700.00	5.372.00	10.30	42.090.00	8.463.00	18.850.00
WF 36 x 650	1.028.00	50.00	446.00	89.90	24.00	848.20	800.20	1.231.00	967.31	2.032.600.00	39.540.00	40.60	133.900.00	6.003.00	10.40	46.810.00	9.486.00	24.930.00
WF 36 x 720	1.046.00	55.00	451.00	99.10	24.00	847.80	799.80	1.365.00	1.071.48	2 299.000.00	43.960.00	41.00	152.700.00	6.774.00	10.60	52.410.00	10.740.00	33.450.00
WF 36 x 798	1.066.00	60.50	457.00	109.00	24.00	848.00	800.00	1.514.00	1.187.56	2 607.000.00	48.910.00	41.50	175.000.00	7.659.00	10.80	58.750.00	12.180.00	44.720.00
WF 36 x 848	1.078.00	64.00	461.00	115.10	24.00	847.80	799.80	1.609.00	1.261.97	2 805.200.00	52.040.00	41.80	189.900.00	8.237.00	10.90	62.800.00	13.120.00	52.910.00
WF 40 x 149	970.00	16.00	300.00	21.00	30.00	928.00	868.00	282.00	221.74	406.500.00	8.380.00	38.00	9.501.00	633.00	5.80	9.777.00	1.016.00	403.00
WF 40 x 167	980.00	16.50	300.00	26.00	30.00	928.00	868.00	317.00	248.52	481.100.00	9.818.00	39.00	11.750.00	784.00	6.09	11.350.00	1.245.00	584.00
WF 40 x 183	990.00	16.50	300.00	31.00	30.00	928.00	868.00	347.00	272.33	553.800.00	11.190.00	40.00	14.000.00	934.00	6.35	12.820.00	1.470.00	822.00
WF 40 x 211	1.000.00	19.00	300.00	36.00	30.00	928.00	868.00	400.00	314.00	644.700.00	12.890.00	40.10	16.280.00	1.085.00	6.38	14.860.00	1.716.00	1.254.00
WF 40 x 235	1.008.00	21.00	302.00	40.00	30.00	928.00	868.00	444.00	349.72	722.300.00	14.330.00	40.30	18.460.00	1.222.00	6.45	16.570.00	1.940.00	1.701.00
WF 40 x 174	970.00	16.50	400.00	21.00	30.00	928.00	868.00	329.00	258.94	504.400.00	10.400.00	39.20	22.450.00	1.123.00	8.26	11.880.00	1.755.00	483.00
WF 40 x 199	982.00	16.50	400.00	27.00	30.00	928.00	868.00	377.00	296.15	618.700.00	12.600.00	40.50	28.850.00	1.443.00	8.75	14.220.00	2.235.00	757.00
WF 40 x 215	990.00	16.50	400.00	31.00	30.00	928.00	868.00	409.00	319.96	696.400.00	14.070.00	41.30	33.120.00	1.656.00	9.00	15.800.00	2.555.00	1.021.00
WF 40 x 249	1.000.00	19.00	400.00	36.00	30.00	928.00	868.00	472.00	370.55	812.100.00	16.240.00	41.50	38.480.00	1.924.00	9.03	18.330.00	2.976.00	1.565.00
WF 40 x 277	1.008.00	21.00	402.00	40.00	30.00	928.00	868.00	524.00	412.22	909.800.00	18.050.00	41.70	43.410.00	2.160.00	9.10	20.440.00	3.348.00	2.128.00
WF 40 x 297	1.012.00	23.60	402.00	41.90	30.00	928.20	868.20	564.00	441.99	966.500.00	19.100.00	41.40	45.500.00	2.264.00	8.98	21.780.00	3.529.00	2.545.00
WF 40 x 324	1.020.00	25.40	404.00	46.00	30.00	928.00	868.00	615.00	482.17	1.067.500.00	20.930.00	41.70	50.710.00	2.510.00	9.08	23.920.00	3.919.00	3.311.00
WF 40 x 362	1.030.00	28.40	407.00	51.10	30.00	927.80	867.80	687.00	538.72	1.202.500.00	23.350.00	41.80	57.630.00	2.832.00	9.16	26.820.00	4.436.00	4.546.00
WF 40 x 397	1.040.00	31.00	409.00	55.90	30.00	928.20	868.20	753.00	590.80	1.331.000.00	25.600.00	42.10	64.010.00	3.130.00	9.22	29.530.00	4.916.00	5.927.00
WF 40 x 436	1.050.00	34.00	412.00	61.00	30.00	928.00	868.00	826.00	648.84	1.473.300.00	28.060.00	42.20	71.450.00	3.468.00	9.30	32.530.00	5.464.00	7.723.00
WF 40 x 480	1.062.00	37.10	416.00	67.10	30.00	927.80	867.80	910.00	714.32	1.646.600.00	31.010.00	42.50	80.960.00	3.892.00	9.43	36.110.00	6.145.00	10.240.00
WF 40 x 531	1.075.00	40.90	419.00	73.90	30.00	927.20	867.20	1.006.00	790.22	1.842.200.00	34.270.00	42.80	91.190.00	4.353.00	9.52	40.140.00	6.896.00	13.670.00
WF 40 x 593	1.092.00	45.50	424.00	82.00	30.00	928.00	868.00	1.125.00	882.48	2.096.400.00	38.400.00	43.20	105.000.00	4.952.00	9.66	45.260.00	7.874.00	18.750.00
WF 40 x 655	1.108.00	50.00	428.00	89.90	30.00	928.20	868.20	1.241.00	974.75	2.348.700.00	42.400.00	43.50	118.500.00	5.538.00	9.77	50.300.00	8.839.00	24.770.00
WF 40 x 192	970.00	18.00	450.00	21.00	30.00	928.00	868.00	364.00	285.73	561.600.00	11.580.00	39.30	31.960.00	1.420.00	9.37	13.200.00	2.214.00	574.00
WF 40 x 221	982.00	18.00	450.00	27.00	30.00	928.00	868.00	418.00	328.88	690.200.00	14.060.00	40.60	41.070.00	1.825.00	9.92	15.830.00	2.821.00	882.00
WF 40 x 244	992.00	18.00	450.00	32.00	30.00	928.00	868.00	463.00	363.11	799.800.00	16.130.00	41.60	48.670.00	2.163.00	10.30	18.050.00	3.327.00	1.268.00
WF 40 x 268	1.000.00	19.00	451.00	36.00	30.00	928.00	868.00	509.00	398.83	897.400.00	17.950.00	42.00	55.120.00	2.444.00	10.40	20.100.00	3.757.00	1.724.00
WF 40 x 298	1.008.00	21.00	453.00	40.00	30.00	928.00	868.00	565.00	443.47	1.005.400.00	19.950.00	42.20	62.070.00	2.740.00	10.50	22.410.00	4.220.00	2.346.00
WF 40 x 328	1.016.00	23.00	455.00	44.00	30.00	928.00	868.00	622.00	488.12	1.115.700.00	21.960.00	42.40	69.200.00	3.042.00	10.60	24.760.00	4.691.00	3.103.00
WF 44 x 198	1.090.00	18.00	300.00	31.00	20.00	1.028.00	988.00	374.00	294.66	693.500.00	12.720.00	43.00	14.010.00	934.00	6.12	14.780.00	1.483.00	839.00
WF 44 x 224	1.100.00	20.00	300.00	36.00	20.00	1.028.00	988.00	425.00	333.35	801.500.00	14.570.00	43.40	16.280.00	1.085.00	6.19	16.950.00	1.728.00	1.253.00
WF 44 x 248	1.108.00	22.00	302.00	40.00	20.00	1.028.00	988.00	471.00	369.07	897.300.00	16.200.00	43.60	18.460.00	1.223.00	6.26	18.890.00	1.954.00	1.703.00
WF 44 x 285	1.118.00	26.00	305.00	45.00	20.00	1.028.00	988.00	545.00	424.13	1.034.900.00	18.510.00	43.60	21.440.00	1.406.00	6.27	21.770.00	2.273.00	2.527.00
WF 44 x 230	1.090.00	18.00	400.00	31.00	20.00	1.028.00	988.00	436.00	342.28	867.400.00	15.920.00	44.60	33.120.00	1.656.00	8.71	18.060.00	2.568.00	1.037.00
WF 44 x 262	1.100.00	20.00	400.00	36.00	20.00	1.028.00	988.00	497.00	389.90	1.005.400.00	18.280.00	45.00	38.480.00	1.924.00	8.80	20.780.00	2.988.00	1.564.00
WF 44 x 290	1.108.00	22.00	402.00	40.00	20.00	1.028.00	988.00	551.00	431.57	1.125.600.00	20.320.00	45.20	43.410.00	2.160.00	8.87	23.160.00	3.362.00	2.130.00
WF 44 x 335	1.118.00	26.00	405.00	45.00	20.00	1.028.00	988.00	635.00	498.54	1.294.100.00	23.150.00	45.10	49.980.00	2.468.00	8.87	26.600.00	3.870.00	3.135.00

PanelCo
El acero que mueve sus proyectos

VIGAS - IPE - HEA - WF
CANALES

Tabla de referencia de equivalencias

PERFIL WF NORMA ASTM	PERFIL S NORMA ASTM	PERFIL HEA NORMA DIN	PERFIL HEB NORMA DIN	PERFIL IPE NORMA DIN	PERFIL IPN NORMA DIN	PERFIL HD NORMA ASTM
WF 4 X 1 3		HEA 100	HEB 100			
WF 4 X 1 3.8		HEA A 120	HEB 101			
WF 4 X 1 6.3		HEA 120	HEB 102		IPN 140	
WF 5 X 1 6		HEA 120, HEA A 140	HEB 120		IPN 160	
WF 5 X 1 9		HEA 140, HEA A 160	HEB 140			
WF 6 X 9	S 6 X 12. 2	HEA 120		IPE 160, IPE 180		
WF 6 X 12		HEA 120, HEA A 140		IPE 180		
WF 6 X 15		HEA 140, HEA A 160				
WF 6 X 20		HEA 160, HEA A 180			IPN 180	
WF 6 X 25		HEA 180	HEB 160		IPN 200	
WF 8 X 10				IPE 180, IPE A 200		
WF 8 X 13				IPE A 200, IPE 200	IPN 220	
WF 8 X 15				IPE 220, IPE A 200		
WF 8 X 18	S 8 X 18. 4			IPE 220, IPE A 240		
WF 8 X 21		HEA 180		IPE 240		
WF 8 X 24		HEA A 200, HEA 200		IPE 240		
WF 8 X 28		HEA 200, HEA A 200	HEB 160			
WF 8 X 31		HEA 220	HEB 180			
WF 8 X 35		HEA 220, HEA A 240	HEB 180			
WF 8 X 40		HEA 240	HEB 200			
WF 8 X 48			HEB 220			
WF 8 X 58			HEB 240			HD 210 X 87
WF 8 X 67			HEB 260			HD 210 X 100
WF 10 X 12				IPE A 200, IPE 200	IPN 240	
WF 10 X 15				IPE A 220, IPE 220	IPN 260	
WF 10 X 17				IPE A 240, IPE 240		
WF 10 X 19				IPE A 270, IPE 270		
WF 10 X 22				IPE 270		
WF 10 X 26	S 10 X 25 .4			IPE 270, IPE A 300		
WF 10 X 30		HEA A 240, HEA 240		IPE 300		
WF 10 X 33		HEA 240		IPE 300		
WF 10 X 39		HEA 240, HEA A 260				
WF 10 X 45		HEA 260, HEA A 280	HEB 220			
WF 10 X 49		HEA 280	HEB 240			HD 260 X 73
WF 10 X 54		HEA 280, HEA A 300	HEB 260			HD 260 X 80
WF 10 X 60		HEA 300	HEB 260			HD 260 X 89
WF 10 X 68			HEB 280			HD 260 X 101
WF 10 X 77			HEB 300			HD 260 X 115
WF 10 X 88						HD 260 X 131
WF 10 X 100						HD 260 X 149
WF 10 X 112						HD 260 X 167

VIGAS - IPE - HEA - WF
CANALES

El acero que mueve sus proyectos

Tabla de referencia de equivalencias

PERFIL WF NORMA ASTM	PERFIL S NORMA ASTM	PERFIL HEA NORMA DIN	PERFIL HEB NORMA DIN	PERFIL IPE NORMA DIN	PERFIL IPN NORMA DIN	PERFIL HD NORMA ASTM
WF 12 X 14				IPE A 240, IPE 240		
WF 12 X 16				IPE A 270, IPE 270	IPN 240	
WF 12 X 19				IPE 270, IPE A 300		
WF 12 X 22				IPE A 300, IPE 300		
WF 12 X 26				IPE 300, IPE A 300	IPN 260	
WF 12 X 30	S 12 X 31 .8			IPE A 330, IPE 330	IPN 280	
WF 12 X 35	S 12 X 35			IPE 330, IPE A 360	IPN 300	
WF 12 X 40		HEA 240, HEA A 260		IPE 360		
WF 12 X 45		HEA 260, HEA A 280				
WF 12 X 50		HEA 280, HEA A 300				
WF 12 X 53		HEA A 300, HEA 300				
WF 12 X 58		HEA 300, HEA A 320	HEB 260			
WF 12 X 65		HEA 340, HEA A 340	HEB 260			HD 310 X 97
WF 12 X 72		HEA A 340, HEA 340	HEB 280, HEB 300			HD 310 X 107
WF 12 X 79		HEA 360, HEA A 360	HEB 300			HD 310 X 117
WF 12 X 87		HEA 360	HEB 320			HD 310 X 130
WF 12 X 96			HEB 340			HD 310 X 143
WF 12 X 106						HD 310 X 158
WF 12 X 120						HD 310 X 179
WF 12 X 136						HD 310 X 202
WF 12 X 152						HD 310 X 227
WF 12 X 170						HD 310 X 253
WF 12 X 190						HD 310 X 283
WF 12 X 210						HD 310 X 313
WF 12 X 230						HD 310 X 343
WF 12 X 252						HD 310 X 375
WF 12 X 279						HD 310 X 415
WF 12 X 305						HD 310 X 454
WF 12 X 336						HD 310 X 500
WF 14 X 22				IPE A 300, IPE 300		
WF 14 X 26				IPE A 330, IPE 330		
WF 14 X 30				IPE A 360, IPE 360		
WF 14 X 30				IPE 360		
WF 14 X 34				IPE 360		
WF 14 X 38				IPE 360, IPE A 400	IPN 340	
WF 14 X 43	S 15 X 42 .9	HEA 280, HEA A 300		IPE A 400, IPE 400		
WF 14 X 48		HEA 300, HEA A 340		IPE 450, IPE 450	IPN 360	
WF 14 X 53		HEA A 340, HEA 340		IPE 450, IPE A 500		
WF 14 X 61		HEA 360, HEA A 360				
WF 14 X 68		HEA 340, HEA 360				
WF 14 X 74	S 15 X 50	HEA 360, HEA A 400	HEB 320, HEB 340			
WF 14 X 82		HEA 400	HEB 340, HEB 360			