

Vigas H Alas Anchas WF

ESTÁNDAR AMERICANO



**ACEROS
AREQUIPA**

**LA SEGURIDAD
DE UN FIERRAZO**

*Imágenes referenciales.

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DENOMINACIÓN:

VIGAS H ALAS ANCHAS (WF).

DESCRIPCIÓN:

Producto laminado en caliente con sección en forma de "H" (con alas paralelas), de calidad estructural en cumplimiento con las normas ASTM A36, ASTM A572 Grado 50 o la ASTM A992. Asimismo, pueden presentarse en calidad dual.

USOS:

En la fabricación de estructuras metálicas, edificios, puentes grúas, estructuras en general, cerchas, etc.

NORMAS TÉCNICAS:

- Composición Química y Propiedades Mecánicas: ASTM A36/A36M, ASTM A572/A572M, ASTM A992/A992M.
- Tolerancia Dimensional: ASTM A6 /A6M.

PRESENTACIÓN:

Se comercializan en barras de 20, 30 y 40 pies. Otras longitudes a pedido.

DIMENSIONES ESTÁNDAR:

DESIGNACIÓN NOMINAL		PERALTE ALTURA ALMA (d) pulgada	ALA (b) pulgada	ESPESOR NOMINAL	
pulgada	lb/pie			ALA (f)	ALMA (w)
4"	13.00	4.16	4.06	8.76	7.11
6"	9.00	5.90	3.94	5.46	4.32
6"	12.00	6.03	4.00	7.11	5.84
6"	16.00	6.28	4.03	10.29	6.60
6"	15.00	5.99	5.99	6.60	5.84
6"	20.00	6.20	6.02	9.27	6.60
6"	25.00	6.38	6.08	11.56	8.13
8"	10.00	7.89	3.94	5.21	4.32
8"	13.00	7.99	4.00	6.48	5.84
8"	15.00	8.11	4.02	8.00	6.22
8"	18.00	8.14	5.25	8.38	5.84
8"	21.00	8.28	5.27	10.16	6.35
8"	24.00	7.93	6.50	10.16	6.22
8"	28.00	8.06	6.54	11.81	7.24
8"	31.00	8.00	8.00	11.05	7.24
8"	35.00	8.12	8.02	12.57	7.87
8"	40.00	8.25	8.07	14.22	9.14
8"	48.00	8.50	8.11	17.40	10.16
8"	58.00	8.75	8.22	20.57	12.95
8"	67.00	9.00	8.28	23.75	14.48
10"	12.00	9.87	3.96	5.33	4.83
10"	15.00	9.99	4.00	6.86	5.84
10"	17.00	10.11	4.01	8.38	6.10

DESIGNACIÓN NOMINAL		PERALTE ALTURA ALMA (d) pulgada	ALA (b) pulgada	ESPESOR NOMINAL	
pulgada	lb/pie			ALA (f)	ALMA (w)
10"	19.00	10.24	4.02	10.03	6.35
10"	22.00	10.17	5.75	9.14	6.10
10"	26.00	10.33	5.77	11.18	6.60
10"	30.00	10.47	5.81	12.95	7.62
10"	33.00	9.73	7.96	11.05	7.37
10"	39.00	9.92	7.99	13.46	8.00
10"	45.00	10.10	8.02	15.75	8.89
10"	49.00	9.98	10.00	14.22	8.64
10"	54.00	10.09	10.03	15.62	9.40
10"	60.00	10.22	10.08	17.27	10.67
10"	68.00	10.40	10.13	19.56	11.94
10"	77.00	10.40	10.19	22.10	13.46
10"	88.00	10.84	10.27	25.15	15.37
10"	100.00	11.10	10.34	28.45	17.27
12"	14.00	11.91	3.97	5.72	5.08
12"	16.00	11.99	3.99	6.73	5.59
12"	19.00	12.16	4.01	8.89	5.97
12"	22.00	12.31	4.03	10.80	6.60
12"	26.00	12.22	6.49	9.65	5.84
12"	30.00	12.34	6.52	11.18	6.60
12"	35.00	12.50	6.56	13.21	7.62
12"	40.00	11.94	8.01	13.08	7.49
12"	45.00	12.06	8.05	14.61	8.51
12"	50.00	12.19	8.08	16.26	9.40
12"	53.00	12.06	10.00	14.61	8.76
12"	58.00	12.19	10.01	16.26	9.14
12"	65.00	12.12	12.00	15.37	9.91
12"	72.00	12.25	12.04	17.02	10.92
12"	79.00	12.38	12.08	18.67	11.94
12"	87.00	12.53	12.13	20.57	13.08
12"	96.00	12.71	12.16	22.86	13.97
12"	106.00	12.89	12.22	25.15	15.49
12"	120.00	13.12	12.32	28.07	18.03
12"	136.00	13.41	12.40	31.75	20.07
12"	152.00	13.71	12.48	35.56	22.10
14"	22.00	13.74	5.00	8.51	5.84
14"	26.00	13.91	5.03	10.67	6.48
14"	30.00	13.84	6.73	9.78	6.86
14"	34.00	13.98	6.75	11.56	7.24
14"	38.00	14.10	6.77	13.08	7.87
14"	43.00	13.66	8.00	13.46	7.75
14"	48.00	13.79	8.03	15.11	8.64
14"	53.00	13.92	8.06	16.76	9.40
14"	61.00	13.89	10.00	16.38	9.53
14"	68.00	14.04	10.04	18.29	10.54
14"	74.00	14.17	10.07	19.94	11.43
14"	82.00	14.31	10.13	21.72	12.95
14"	90.00	14.02	14.52	21.72	11.18

QCQA01-F243/01/ENERO 23

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DESIGNACIÓN NOMINAL		PERALTE ALTURA ALMA (d) pulgada	ALA (b) pulgada	ESPESOR NOMINAL	
pulgada	lb/pie			ALA (f)	ALMA (w)
14"	99.00	14.16	14.57	19.81	12.32
14"	109.00	14.32	14.61	21.84	13.34
14"	120.00	14.48	14.67	23.88	14.99
14"	132.00	14.66	14.73	26.16	16.38
14"	145.00	14.78	15.50	27.69	17.27
14"	159.00	14.98	15.57	30.23	18.92
14"	176.00	15.22	15.65	33.27	21.08
14"	193.00	15.48	15.71	36.58	22.61
16"	26.00	15.69	5.50	8.76	6.35
16"	31.00	15.88	5.53	11.18	6.99
16"	36.00	15.86	6.99	10.92	7.49
16"	40.00	16.01	7.00	12.83	7.75
16"	45.00	16.13	7.04	14.35	8.76
16"	50.00	16.26	7.07	16.00	9.65
16"	57.00	16.43	7.12	18.16	10.92
16"	67.00	16.33	10.24	16.89	10.03
16"	77.00	16.52	10.30	19.30	11.56
16"	89.00	16.75	10.37	22.23	13.34
16"	100.00	16.97	10.43	25.02	14.86
18"	35.00	17.70	6.00	10.80	7.62
18"	40.00	17.90	6.02	13.34	8.00
18"	46.00	18.06	6.06	15.37	9.14
18"	50.00	17.99	7.50	14.48	9.02
18"	55.00	18.11	7.53	16.00	9.91
18"	60.00	18.24	7.56	17.65	10.54
18"	65.00	18.35	7.59	19.05	11.43
18"	71.00	18.47	7.64	20.57	12.57
18"	76.00	18.21	11.04	17.27	10.80
18"	86.00	18.39	11.09	19.56	12.19
18"	97.00	18.59	11.15	22.10	13.59
18"	106.00	18.73	11.20	23.88	14.99
18"	130.00	19.25	11.16	30.48	17.02
18"	158.00	19.72	11.30	36.58	20.57
21"	44.00	20.66	6.50	11.43	8.89
21"	50.00	20.83	6.53	13.59	9.65
21"	55.00	20.80	8.22	13.26	9.53
21"	57.00	21.06	6.56	16.51	10.29
21"	62.00	20.99	8.24	15.62	10.16
21"	68.00	21.13	8.27	17.40	10.92
21"	73.00	21.24	8.30	18.80	11.56
21"	83.00	21.43	8.36	21.21	13.08
21"	93.00	21.62	8.42	23.62	14.73
21"	101.00	21.36	12.29	20.32	12.70
21"	111.00	21.51	12.34	22.23	13.97
21"	122.00	21.68	12.39	24.38	15.24
21"	132.00	21.83	12.44	26.29	16.51
21"	147.00	22.06	12.51	29.21	18.29
21"	166.00	22.48	12.42	34.54	19.05

DESIGNACIÓN NOMINAL		PERALTE ALTURA ALMA (d) pulgada	ALA (b) pulgada	ESPESOR NOMINAL	
pulgada	lb/pie			ALA (f)	ALMA (w)
21"	201.00	23.03	12.58	41.40	23.11
24"	55.00	23.57	7.01	12.83	10.03
24"	62.00	23.74	7.04	14.99	10.92
24"	68.00	23.73	8.97	14.86	10.54
24"	76.00	23.92	8.99	17.27	11.18
24"	84.00	24.10	9.02	19.56	11.94
24"	94.00	24.31	9.07	22.23	13.08
24"	104.00	24.06	12.75	19.05	12.70
24"	117.00	24.26	12.80	21.59	13.97
24"	131.00	24.48	12.86	24.38	15.37
24"	146.00	24.74	12.90	27.69	16.51
24"	162.00	25.00	12.96	30.99	17.91
24"	176.00	25.24	12.89	34.04	19.05
24"	192.00	25.47	12.95	37.08	20.57
24"	250.00	26.34	13.19	48.01	26.42
27"	84.00	26.71	9.96	16.26	11.68
27"	94.00	26.92	9.99	18.92	12.45
27"	102.00	27.09	10.02	21.08	13.08
27"	114.00	27.29	10.07	23.62	14.48
27"	129.00	27.63	10.01	27.94	15.49
27"	161.00	27.59	14.02	27.43	16.76
27"	235.00	28.66	14.19	40.89	23.11
27"	307.00	29.61	14.45	53.09	29.46
30"	90.00	29.53	10.40	15.49	11.94
30"	99.00	29.65	10.45	17.02	13.21
30"	108.00	29.83	10.48	19.30	13.84
30"	116.00	30.01	10.50	21.59	14.35
30"	124.00	30.17	10.52	23.62	14.86
30"	132.00	30.31	10.55	25.40	15.62
30"	148.00	30.67	10.48	29.97	16.51
33"	118.00	32.86	11.48	18.80	13.97
33"	152.00	33.49	11.57	26.80	16.13
33"	169.00	33.82	11.50	30.99	17.02
36"	150.00	35.85	11.98	23.88	15.88
36"	160.00	36.01	12.00	25.91	16.51
36"	194.00	36.49	12.12	32.00	19.43
36"	232.00	37.12	12.12	39.88	22.10

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PROPIEDADES MECÁNICAS:

NORMA TÉCNICA	GRADO	LÍMITE DE FLUENCIA MPa ≥	CARGA DE ROTURA MPa ≥	ELONGACIÓN % ≥
ASTM A 36/A 36M		250	400 - 550	21 (2") 20 (8")
ASTM A 572/A 572M	50	345	450 mín	21 (2") 16 (8")
ASTM A 992/A 992M		345	450 - 550	21 (2") 18 (8")

() Tamaño de probeta.

TOLERANCIAS:

De acuerdo al ASTM A 6/A 6M.

LONGITUD ESTÁNDAR:

30 pies y 40 pies.

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ISO 9001
ISO 14001
ISO 45001

CERTIFICATE N° 57219
CERTIFICATE N° 57220
CERTIFICATE N° 57221

BOLIVIA

LA PAZ: Calle E - Lote 14, manzano A-08, Urbanización Cervecería Boliviana Nacional - Bellavista Viacha.
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PERÚ

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Tel. (51-01) 517 1800.

PISCO: Panamericana Sur, Km. 241, Ica. Tel. (51-056) 58 0830.

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CHILE

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