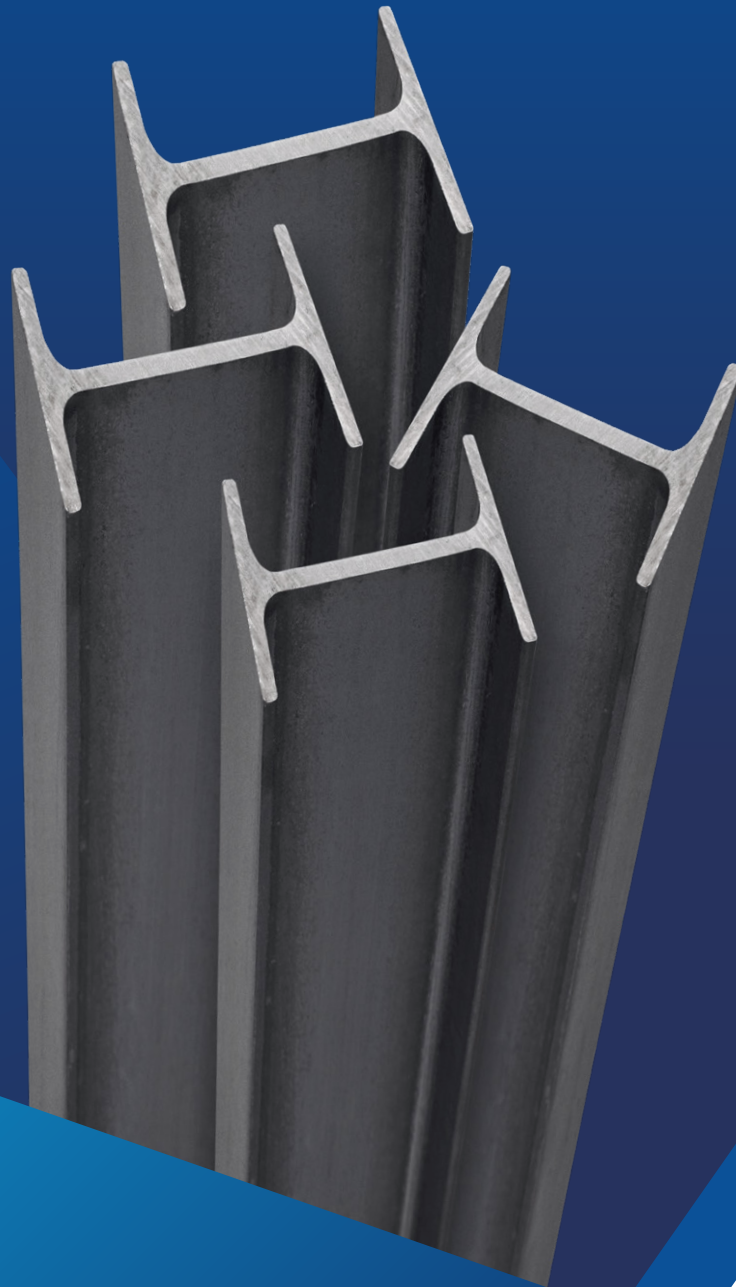


Vigas H Alas Anchas WF

ESTÁNDAR AMERICANO



**ACEROS
AREQUIPA**

**LA SEGURIDAD
DE UN FIERRAZO**

*Imágenes referenciales.

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ESTÁNDAR AMERICANO

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-19, ASTM A572/A572M-21e1, ASTM A992/A992M-22

Tolerancia Dimensional:

ASTM A6 /A6M-22.

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

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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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ESTÁNDAR AMERICANO

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-22

LONGITUD ESTÁNDAR:

30 pies y 40 pies.

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COLOMBIA: ACEROS AREQUIPA S.A.S.

Valle del Cauca: Cra. 25, N.º 13-117, Yumbo, Parcelación Industrial la "Y".
Tel.: (57) 324 4214893.
E-mail: contactocolombia@acerosarequipa.com

PERÚ: CORPORACION ACEROS AREQUIPA S.A.

Lima: Av. Antonio Miró Quesada N.º 425, piso 17, Magdalena del Mar.
Tel.: (51-01) 517 1800.
Pisco: Panamericana Sur, Km. 241, Ica.
Arequipa: Variante de Uchumayo Km 5.5, Cerro Colorado.

BOLIVIA: CORPORACION ACEROS AREQUIPA S.R.L.

Santa Cruz: Urb. Parque Industrial Latinoamericano, Unidad Industrial UI 06, Mz. 1, LOTE 4 - Warnes. Tel.: (591) 77641656 / 75555819
La Paz: Calle E - Lote 14, manzana A-08, Urbanización.
Cervecería Boliviana Nacional - Bellavista Viacha. Tel.: (591) 77641658 / 75555819

ECUADOR: CORPORACION ACEROS AREQUIPA AA S.A.S.

Guayas: Barrio Fincas Delia Vía Duran Tambo Km. 8.5 - Duran.
Tel.: (+593) 98 635 9258

CHILE: CORPORACION ACEROS AREQUIPA SpA

Antofagasta: 14 de Febrero 2174 Of. 4, Antofagasta.
E-mail: eroca@acerosarequipa.com

EEUU: ACEROS AMERICA CORPORATION ACEROS AMERICA PORT MANATEE LLC

Florida: 13838 Harlee Rd. Palmetto, FL 34221
Tel.: +1 941 722 5566
E-mail: infopm@acerosamerica.com

ACEROS AMERICA ST. PETE LLC

Florida: 2550 Ave N, St. Petersburg, FL 33713.
Tel.: +1 727 321 5878
E-mail: infosp@acerosamerica.com

Encuétranos en:



www.acerosarequipa.com

