

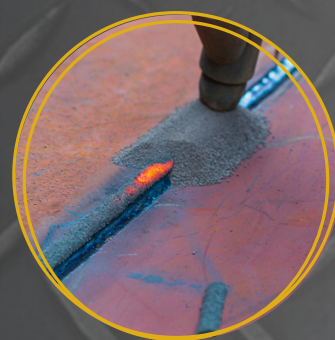


# PERFILES SOLDADOS

DE ALMA LLENA ESTRUCTURALES



SOLDADURA ARCO  
SUMERGIDO



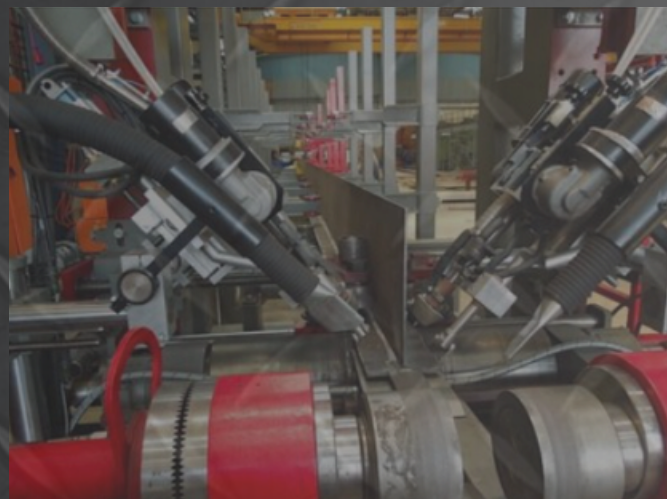
Máxima resistencia. Precisión industrial. Calidad garantizada.

Calidad de Acero: ASTM A 572 -GRADO 50 - F36



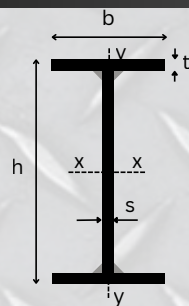


FABRICAMOS VIGAS DE ALMA LLENA UTILIZANDO EL PROCESO DE **SOLDADURA POR ARCO SUMERGIDO**, UNA TECNOLOGÍA INDUSTRIAL DE ALTO RENDIMIENTO QUE ASEGURA UNIONES ESTRUCTURALES SUPERIORES, CONFIABLES Y DURADERAS.



UNA SOLUCIÓN IDEAL PARA

- ESTRUCTURAS METÁLICAS INDUSTRIALES
- NAVES, GALPONES Y EDIFICIOS
- PUENTES Y OBRAS DE INFRAESTRUCTURA
- PROYECTOS QUE EXIGEN ALTA CALIDAD ESTRUCTURAL Y CONFIABILIDAD

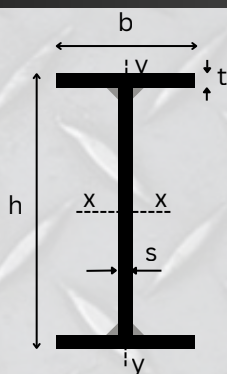


DESIGNACION mm kg/m	ALTURA	ALA	ESP. ALMA	ESP. ALA	MASA	SECCIÓN NOMINAL	MOMENTO DE INERCIA		MÓDULO RESISTENTE		RADIO DE GIRO	
	h ext mm	b mm	s mm	t mm	G Kg/m	S mm <sup>2</sup>	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	Rx cm	Ry cm
WS 200 x 15	197	100	4.75	4.75	14.5	1840.6	1139	79	115.6	15.9	7.9	2.1
WS 200 x 19	200	100	6.35	6.35	19.4	2460.6	1543	106	154.1	21.2	7.9	2.1
WS 200 x 22	203	100	6.35	7.95	22.0	2780.5	1869	133	183.7	26.6	8.2	2.2
WS 200 x 26	203	134	6.35	7.95	26.3	3329.0	2393	323	235.2	48.0	8.5	3.1
WS 200 x 29	207	133	6.35	9.5	29.4	3718.9	2805	373	271.6	56.1	8.7	3.2
WS 250 x 17	254	100	4.75	4.75	16.7	2112.8	2061	79	162.0	15.9	9.9	1.9
WS 250 x 22	258	100	6.35	6.35	22.3	2824.5	2780	106	215.9	21.3	9.9	1.9
WS 250 x 25	261	100	6.35	7.95	24.8	3144.5	3317	133	254.5	26.6	10.3	2.1
WS 250 x 28	264	103	6.35	9.5	27.7	3512.6	3945	174	299.0	33.7	10.6	2.2
WS 250 x 31	261	150	6.35	7.95	31.2	3944.8	4596	451	352.6	59.9	10.8	3.4
WS 250 x 42	270	150	6.35	12.7	42.4	5372.7	7113	719	526.4	95.7	11.5	3.7
WS 250 x 46	270	150	7.95	12.7	45.5	5764.5	7309	720	540.9	95.8	11.3	3.5
WS 310 x 22	320	100	4.75	6.35	21.5	2727.7	4261	106	266.6	21.2	12.5	2.0
WS 310 x 25	320	100	6.35	6.35	25.4	3218.8	4646	106	290.7	21.3	12.0	1.8
WS 310 x 28	323	103	6.35	7.95	28.3	3587.4	5592	146	346.5	28.3	12.5	2.0
WS 310 x 31	326	103	6.35	9.5	30.9	3906.9	6433	174	394.7	33.8	12.8	2.1
WS 310 x 40	326	161	6.35	9.5	39.5	5001.7	9174	657	562.9	81.8	13.5	3.6
WS 310 x 48	332	161	6.35	12.7	47.6	6030.0	11959	879	719.7	109.4	14.1	3.8
WS 310 x 54	332	173	7.95	12.7	53.9	6821.7	13113	1088	789.1	126.1	13.9	4.0
WS 310 x 58	298	202	7.95	12.7	57.7	7298.9	11780	1748	791.0	173.0	12.7	4.9
WS 310 x 67	303	202	7.95	15.5	66.6	8430.5	14338	2133	945.0	211.1	13.0	5.0
WS 310 x 70	302	202	9.5	15.5	69.8	8840.1	14455	2134	957.0	211.2	12.8	4.9
WS 360 x 34	367	127	6.35	7.95	33.6	4253.3	8821	274	480.4	43.0	14.4	2.5
WS 360 x 37	370	126	6.35	9.5	36.5	4620.7	10073	316	544.1	50.2	14.8	2.6
WS 360 x 44	370	173	6.35	9.5	43.5	5508.2	12962	813	700.1	94.3	15.3	3.8
WS 360 x 57	377	173	7.95	12.7	56.7	7174.2	17390	1088	923.3	126.1	15.6	3.9
WS 360 x 57	377	173	7.95	12.7	56.7	7174.2	17390	1088	923.3	126.1	15.6	3.9
WS 360 x 60	332	202	7.95	12.7	59.8	7573.1	15033	1748	904.7	173.0	14.1	4.8
WS 360 x 69	338	202	7.95	15.5	68.8	8704.7	18211	2133	1077.8	211.1	14.5	5.0
WS 360 x 72	337	202	9.5	15.5	72.4	9168.0	18423	2134	1094.6	211.2	14.2	4.8
WS 360 x 137	344	350	12.7	19.2	136.8	17321.4	38514	13725	2239.0	784.3	14.9	8.9
WS 360 x 178	356	350	15.5	25.4	177.9	22517.2	52490	18160	2945.4	1037.7	15.3	9.0

# PERFIL WS (I)

HOME STEEL HOME

Perfiles Alma Llena Soldados de Acero Estructural



DESIGNACION	ALTURA	ALA	ESP. ALMA	ESP. ALA	MASA	SECCIÓN NOMINAL	MOMENTO DE INERCIA		MÓDULO RESISTENTE		RADIO DE GIRO	
							Ix	Iy	Wx	Wy	Rx	Ry
mm kg/m	h ext mm	b mm	s mm	t mm	G Kg/m	S mm <sup>2</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm	cm
WS 410 x 38	426	141	6.35	7.95	38.3	4850.9	13482	374	632.5	52.9	16.7	2.8
WS 410 x 46	377	141	6.35	12.7	46.0	5816.5	14176	596	752.7	84.5	15.6	3.2
WS 410 x 52	429	173	7.95	9.5	51.7	6540.3	19030	814	886.3	94.4	17.1	3.5
WS 410 x 60	436	173	7.95	12.7	60.4	7644.3	24196	1088	1110.4	126.2	17.8	3.8
WS 410 x 73	441	173	9.5	15.5	73.0	9246.5	29735	1329	1347.3	154.1	17.9	3.8
WS 410 x 76	440	186	9.5	15.5	76.3	9657.9	31452	1669	1429.1	179.4	18.0	4.2
WS 410 x 87	448	186	9.5	19.2	87.2	11035.4	38238	2067	1708.7	222.1	18.6	4.3
WS 410 x 97	440	271	9.5	15.5	97.1	12291.5	43332	5151	1968.9	380.0	18.8	6.5
WS 460 x 48	429	150	7.95	9.5	48.3	6118.8	17172	539	799.8	71.8	16.8	3.0
WS 460 x 56	436	150	7.95	12.7	55.9	7080.8	21673	721	994.6	95.9	17.5	3.2
WS 460 x 68	441	150	9.5	15.5	67.6	8558.6	26614	880	1205.9	117.1	17.6	3.2
WS 460 x 76	441	186	9.5	15.5	76.4	9669.7	31656	1669	1434.3	179.4	18.1	4.2
WS 460 x 76	440	186	9.5	15.5	76.3	9657.9	31452	1669	1429.1	179.4	18.0	4.2
WS 460 x 87	448	186	9.5	19.2	87.2	11035.4	38238	2067	1708.7	222.1	18.6	4.3
WS 460 x 98	448	186	12.7	19.2	97.5	12344.7	40064	2071	1790.3	222.5	18.0	4.1
WS 460 x 98	448	186	12.7	19.2	97.5	12344.7	40064	2071	1790.3	222.5	18.0	4.1
WS 530 x 69	519	161	9.5	12.7	69.3	8766.3	35614	881	1373.5	109.7	20.2	3.2
WS 530 x 67	512	202	9.5	9.5	67.3	8525.0	33758	1310	1318.1	129.7	19.9	3.9
WS 530 x 74	517	186	9.5	12.7	74.3	9402.3	39545	1369	1528.6	147.1	20.5	3.8
WS 530 x 77	517	202	9.5	12.7	77.5	9806.9	42122	1750	1628.2	173.2	20.7	4.2
WS 530 x 83	523	186	9.5	15.5	82.5	10444.8	46597	1670	1781.9	179.4	21.1	4.0
WS 530 x 86	523	202	9.5	15.5	86.4	10938.6	49778	2135	1903.6	211.3	21.3	4.4
WS 530 x 98	530	202	9.5	19.2	98.2	12434.0	60149	2644	2268.1	261.7	22.0	4.6
WS 530 x 111	530	202	12.7	19.2	110.7	14008.4	63325	2649	2387.8	262.2	21.3	4.3
WS 530 x 116	530	221	12.7	19.2	116.4	14731.3	68050	3458	2566.0	313.1	21.5	4.8
WS 530 x 149	543	221	15.5	25.4	148.9	18848.2	90549	4579	3336.4	414.6	21.9	4.9
WS 610 x 81	642	173	9.5	12.7	80.9	10235.9	61864	1091	1928.3	126.5	24.6	3.3
WS 610 x 88	647	173	9.5	15.5	88.5	11201.9	71894	1330	2221.5	154.3	25.3	3.4
WS 610 x 100	647	221	9.5	15.5	100.4	12702.6	86870	2789	2684.3	252.5	26.2	4.7


# PERFIL WS (H)

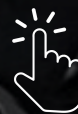
HOME STEEL HOME

Perfiles Alma Llena Soldados de Acero Estructural

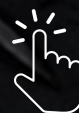
DESIGNACION mm kg/m	ALTURA	ALA	ESP. ALMA	ESP. ALA	MASA	SECCIÓN NOMINAL	MOMENTO INERCIA		MÓDULO RESISTENTE		RADIO DE GIRO	
	h ext mm	b mm	s mm	t mm	G Kg/m	S mm <sup>2</sup>	Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	Wx cm <sup>3</sup>	Wy cm <sup>3</sup>	Rx cm	Ry cm
WS 200 x 33	193	162	6.35	9.5	33.0	4183.5	2870	674	297.5	83.2	8.3	4.0
WS 200 x 44	213	162	7.95	12.7	44.3	5607.4	4569	902	429.1	111.3	9.0	4.0
WS 200 x 42	207	203	7.95	9.5	42.3	5356.6	4192	1334	405.9	131.2	8.8	5.0
WS 200 x 52	199	203	7.95	12.7	51.7	6550.3	4854	1783	487.1	175.3	8.6	5.2
HS 200 x 60	212	203	12.7	12.7	59.5	7532.0	5798	1786	548.2	175.6	8.8	4.9
WS 200 x 64	217	203	9.5	15.5	63.8	8075.7	6935	2177	638.7	214.0	9.3	5.2
WS 200 x 76	225	203	9.5	19.2	75.7	9581.3	8771	2696	781.2	265.1	9.6	5.3
WS 200 x 80	225	203	12.7	19.2	80.4	10177.0	8943	2698	796.5	265.2	9.4	5.1
WS 200 x 104	237	203	15.5	25.4	104.4	13221.1	12453	3571	1051.1	351.0	9.7	5.2
HS 250 x 53	240	245	9.5	9.5	53.3	6750.8	7031	2326	586.2	190.0	10.2	5.9
WS 250 x 74	253	245	7.95	15.5	73.9	9357.4	11471	3793	905.8	309.8	11.1	6.4
WS 250 x 77	252	245	9.5	15.5	76.5	9689.0	11474	3794	911.0	309.9	10.9	6.3
HS 250 x 94	252	272	15.5	15.5	93.8	11869.9	13210	5231	1048.8	384.0	10.5	6.6
WS 250 x 77	252	245	9.5	15.5	76.5	9689.0	11474	3794	911.0	309.9	10.9	6.3
WS 250 x 96	259	245	12.7	19.2	96.4	12207.8	14721	4701	1135.4	384.0	11.0	6.2
WS 250 x 105	259	272	12.7	19.2	104.8	13267.4	16252	6475	1253.5	475.3	11.1	7.0
WS 250 x 136	272	272	15.5	25.4	136.4	17264.3	22458	8568	1653.1	628.9	11.4	7.0
WS 250 x 136	272	272	15.5	25.4	136.4	17264.3	22458	8568	1653.1	628.9	11.4	7.0
WS 250 x 143	272	272	19.2	25.4	142.8	18081.6	22791	8574	1677.6	629.4	11.2	6.9
HS 310 x 66	290	307	9.5	9.5	66.4	8407.4	13062	4580	900.5	298.5	12.5	7.4
HS 310 x 89	297	307	12.7	12.7	88.8	11239.3	17819	6125	1201.9	399.1	12.6	7.4
WS 310 x 96	302	307	9.5	15.5	95.5	12090.6	21137	7472	1399.3	486.9	13.2	7.9
WS 310 x 96	302	307	9.5	15.5	95.5	12090.6	21137	7472	1399.3	486.9	13.2	7.9
HS 310 x 108	302	307	15.5	15.5	108.4	13717.3	22134	7479	1465.3	487.3	12.7	7.4
WS 310 x 120	310	307	12.7	19.2	120.3	15229.5	26979	9258	1743.3	603.2	13.3	7.8
HS 310 x 134	310	307	19.2	19.2	134.2	16991.7	28059	9269	1813.1	604.0	12.9	7.4
WS 310 x 120	310	307	12.7	19.2	120.3	15229.5	26979	9258	1743.3	603.2	13.3	7.8
HS 310 x 134	310	307	19.2	19.2	134.2	16991.7	28059	9269	1813.1	604.0	12.9	7.4
WS 310 x 150	322	307	12.7	25.4	150.4	19035.5	36464	12246	2265.5	798.0	13.8	8.0
WS 310 x 156	322	307	15.5	25.4	156.4	19794.6	36929	12250	2294.4	798.2	13.7	7.9
WS 310 x 164	322	307	19.2	25.4	164.3	20797.8	37544	12257	2332.6	798.7	13.4	7.7
WS 310 x 164	322	307	19.2	25.4	164.3	20797.8	37544	12257	2332.6	798.7	13.4	7.7
WS 360 x 83	337	245	9.5	15.5	82.9	10493.8	21843	3794	1297.8	309.9	14.4	6.0
WS 360 x 97	344	245	9.5	19.2	97.2	12305.7	27090	4700	1574.9	383.9	14.8	6.2
WS 360 x 105	344	245	12.7	19.2	104.9	13283.7	27851	4703	1619.1	384.1	14.5	5.9
WS 360 x 105	344	245	12.7	19.2	104.9	13283.7	27851	4703	1619.1	384.1	14.5	5.9



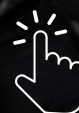
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