



- G Masa por unidad de longitud
- A Área de la sección
- Ø Métrica para agujero
- A_L Superficie a pintar por metro lineal
- A_G Superficie a pintar por tonelada
- I_y Momento de inercia de la sección, respecto a eje Y
- W_{el,y} Momento elástico de la sección, respecto a eje Y
- W_{pl,y} Momento plástico de la sección, respecto a eje Y
- i_y Radio de giro respecto eje Y = $\sqrt{\frac{I_y}{A}}$
- A_z Área de cortante



- I_z Momento de inercia de la sección, respecto a eje Z
- W_{el,z} Momento elástico de la sección, respecto a eje Z
- W_{pl,z} Momento plástico de la sección, respecto a eje Z
- i_z Radio de giro respecto eje Z = $\sqrt{\frac{I_z}{A}}$
- S_x Momento estático
- I_t Inercia a torsión
- I_w Inercia a alabeo

UBE	Dimensiones											Superficie		Propiedades										Clasificación						
	G	h	b	t _f	t _w	r	A	h _i	d	Ø	D _{min}	D _{max}	A _L	A _G	I _y	W _{el,y}	W _{pl,y}	I _y	A _z	I _z	W _{el,z}	W _{pl,z}	I _z	S _x	I _t	I _w	Momento puro yy	Compresión pura		
	kg/m	mm	mm	mm	mm	mm	mm ²	mm	mm	mm	mm	mm	m ² /m	m ² /t	mm ⁴	mm ³	mm ³	mm ⁴	mm ²	mm ⁴	mm ³	mm ³	mm ⁴	mm	mm ²	mm ⁶	mm ³	mm ³	mm ³	
UB 127 x 76 x 13	13	127	76	4.0	7.6	7.6	16.5	111.8	96.6	-	-	-	0.537	41.41	473.4	74.6	84.2	5.35	6.4	55.7	14.67	22.6	1.84	28.1	2.80	1.98	1	0	1	2
UB 152 x 89 x 16	16	152.4	89	4.5	7.7	7.6	20.3	137	121.8	-	-	-	0.638	39.97	834.3	109.5	123.3	6.41	8.2	89.8	20.24	31.2	2.10	28.8	3.55	4.69	1	1	1	2
UB 178 x 102 x 19	19	177.8	101	4.8	7.9	7.6	24.3	162	146.8	M10	50	58	0.738	38.74	1356.0	152.5	171.3	7.48	9.9	136.7	27.02	41.6	2.37	29.5	4.42	9.85	1	1	1	2
UB 203 x 102 x 23	23.1	203.2	102	5.4	9.3	7.6	29.4	184.6	169.4	M10	54	58	0.790	34.22	2105.0	207.2	234.1	8.46	12.4	163.9	32.19	49.8	2.36	32.9	7.02	15.37	1	1	1	3
UB 203 x 133 x 25	25.1	203.2	133	5.7	7.8	7.6	32	187.6	172.4	M16	64	70	0.915	36.45	2340.0	230.3	257.7	8.56	12.8	307.6	46.19	70.9	3.10	30.2	6.10	29.33	1	3	1	2
UB 203 x 133 x 30	30	206.8	134	6.4	9.6	7.6	38.2	187.6	172.4	M16	66	70	0.923	30.78	2896.0	280.0	314.4	8.71	14.6	384.7	57.45	88.2	3.17	34.5	10.43	37.34	1	1	1	2
UB 254 x 102 x 22	22	254	102	5.7	6.8	7.6	28	240.4	225.2	M10	50	58	0.890	40.47	2841.0	223.7	259.0	10.07	15.6	119.3	23.49	37.3	2.06	28.2	4.35	18.16	1	1	1	3
UB 254 x 102 x 25	25.2	257.2	102	6.0	8.4	7.6	32	240.4	225.2	M10	52	58	0.897	35.66	3415.0	265.5	305.5	10.32	16.7	148.7	29.18	46.0	2.15	31.7	6.56	22.92	1	1	1	2
UB 254 x 102 x 28	28.3	260.4	102	6.3	10.0	7.6	36.1	240.4	225.2	M12	54	54	0.904	31.92	4005.0	307.6	352.8	10.54	17.8	178.5	34.94	54.9	2.22	35.2	9.66	27.89	1	1	1	2
UB 254 x 146 x 31	31.1	251.4	146	6.0	8.6	7.6	37	234.2	219	M16	66	82	1.062	34.10	4413.0	351.1	393.1	10.55	16.4	447.5	61.26	94.1	3.36	32.1	8.68	65.88	1	1	1	2
UB 254 x 146 x 37	37	256	146	6.3	10.9	7.6	47.2	234.2	219	M16	66	82	1.072	28.95	5537.0	432.6	483.2	10.83	17.6	570.6	77.98	119.4	3.48	37.0	15.37	85.61	1	1	1	2
UB 254 x 146 x 43	43	259.6	147	7.2	12.7	7.6	54.8	234.2	219	M16	66	84	1.081	25.14	6544.0	504.1	566.3	10.93	20.2	677.4	91.97	141.1	3.52	41.5	23.97	103.1	1	1	1	2
UB 305 x 102 x 25	24.8	305.1	102	5.8	7.0	7.6	31.6	291.1	275.9	M10	56	58	0.992	39.98	4455.0	292	342.0	11.87	18.9	122.9	24.20	38.8	1.97	28.7	4.96	27.18	1	1	1	2
UB 305 x 102 x 28	28.2	308.7	102	6.0	8.8	7.6	35.9	291.1	275.9	M10	58	58	1.000	35.49	5366.0	347.6	402.9	12.23	19.6	155.4	30.53	48.0	2.08	32.5	7.51	34.79	1	1	1	2
UB 305 x 102 x 33	32.8	312.7	102	6.6	10.8	7.6	41.8	291.1	275.9	M10	58	60	1.009	30.42	6501.0	415.8	480.6	12.47	22.1	194.1	37.91	60.0	2.15	37.1	12.29	44.04	1	1	1	2
UB 305 x 127 x 37	37	304.4	123	7.1	10.7	8.9	47.2	283	265.2	M16	67	69	1.073	28.97	7171.0	471.1	539.4	12.33	23.4	336.2	54.49	85.4	2.67	38.9	14.96	72.26	1	1	1	2
UB 305 x 127 x 42	41.9	307.2	124	8.0	12.1	8.9	53.4	283	265.2	M16	68	70	1.080	25.77	8196.0	533.6	613.5	12.39	26.4	388.8	62.55	98.4	2.70	42.6	21.42	84.32	1	1	1	2
UB 305 x 127 x 48	48.1	311	125	9.0	14.0	8.9	61.2	283	265.2	M16	69	71	1.090	22.67	9575.0	615.7	710.0	12.50	29.9	461.0	73.59	116.1	2.74	47.4	32.16	101.2	1	1	1	2
UB 305 x 165 x 40	40.3	303.4	165	6.0	10.2	8.9	51.3	283	265.2	M22	76	84	1.240	30.77	8503.0	560.5	623.1	12.87	20.1	764.4	92.65	141.7	3.68	36.6	14.74	164.1	1	2	4	4
UB 305 x 165 x 46	46.1	306.6	166	6.7	11.8	8.9	58.8	283	265.2	M22	76	84	1.247	27.05	9899.0	645.7	720.0	12.98	22.5	895.7	108.10	165.5	3.90	40.7	22.20	194.4	1	1	3	4
UB 305 x 165 x 54	54	310.4	167	7.9	13.7	8.9	68.8	283	265.2	M22	78	84	1.257	23.29	11700.0	753.6	846.1	13.04	26.6	1063.0	127.40	195.6	3.93	45.7	34.90	233.6	1	1	2	3
UB 356 x 127 x 33	33.1	349	125	6.0	8.5	10	42.1	332	311.6	M12	62	74	1.170	35.38	8249.0	472.7	542.9	13.99	23.1	280.2	44.69	70.3	2.58	35.0	8.97	80.97	1	2	4	4
UB 356 x 127 x 39	39.1	353.4	126	6.6	10.7	10	49.8	332	311.6	M12	62	74	1.180	30.21	10170.0	575.6	658.4	14.00	25.7	357.8	56.80	89.1	2.68	40.0	15.15	104.7	1	1	4	4
UB 356 x 171 x 45	45	351.4	171	7.0	9.7	10	57.3	332	311.6	M22	82	90	1.356	30.13	12070.0	686.7	786.4	14.51	26.8	811.1	94.81	146.6	3.76	38.4	16.16	236.4	2	3	4	4
UB 356 x 171 x 51	51	355	172	7.4	11.5	10	64.9	332	311.6	M22	82	90	1.364	26.76	14140.0	796.4	896.0	14.76	28.7	968.3	112.90	174.2	3.86	42.4	24.00	285.2	1	1	4	4
UB 356 x 171 x 57	57	358	172	8.1	13.0	10	72.6	332	311.6	M22	82	90	1.371	24.07	16040.0	896.0	1010.0	14.87	31.5	1108.0	128.70	198.8	3.91	46.1	33.59	329.2	1	1	3	4
UB 356 x 171 x 67	67.1	363.4	173	9.1	15.7	10	85.5	332	311.6	M22	84	92	1.384	20.62	19460.0	1071.0	1211.0	15.09	35.7	1362.0	157.30	243.0	3.99	52.5	55.90	410.9	1	1	1	2
UB 406 x 140 x 39	39	398	142	6.4	8.6	10	49.7	380.8	360.4	M16	68	78	1.333	34.20	12510.0	628.6	723.7	15.87	27.6	409.8	57.80	90.9	2.87	35.6	10.99	154.9	1	2	4	4
UB 406 x 140 x 46	46	403.2	142	6.8	11.2	10	58.6	380.8	360.4	M16	68	78	1.344	29.20	15690.0	778.6	887.6	16.35	29.8	538.1	75.68	118.1	3.03	41.2	19.07	206.2	1	2	4	4
UB 406 x 178 x 54	54.1	402.6	178	7.7	10.9	10	69	380.8	360.4	M24	88	90	1.483	27.40	18720.0	930.0	1055	16.48	33.3	1021.0	114.90	178.3	3.85	41.5	23.50	391	1	2	4	4
UB 406 x 178 x 60	60.1	406.4	178	7.9	12.8	10	76.5	380.8	360.4	M24	88	90	1.491	24.82	21600.0	1063.0	1199.0	16.80	34.6	1203.0	135.30	209.0	3.97	45.5	33.49	465.2	1	1	4	4
UB 406 x 178 x 67	67.1	409.4	179	8.8	14.3	10	85.5	380.8	360.4	M24	88	90	1.499	22.32	24330.0	1189	1346	16.87	38.6	1365.0	152.70	236.6	3.99	49.4	46.40	531.7	1	1	3	4
UB 406 x 178 x 74	74.2	412.8	180	9.5	16.0	10	94.5	380.8	360.4	M24	88	92	1.507	20.31	27310.0	1323	1501	17.00	41.9	1545.0	172.20	267.0	4.04	53.5	63.10	607.1	1	1	2	4
UB 457 x 152 x 52	52.3	449.8	152	7.6	10.9	10	66.6	428	407.6	M20	76	76	1.476	28.22	21370.0	950	1096.0	17.91	36.5	645.0	84.64	133.3	3.11	41.4	21.71	309.7	1	2	4	4
UB 457 x 152 x 60	59.8	454.6	153	8.1	13.3	10	76.2	428	407.6	M20	76	76	1.487	24.85	25500.0	1122	1287.0	18.29	39.4	794.6	103.90	163.1	3.23	46.7	34.02	385.8	1	1	4	4
UB 457 x 152 x 67	67.2	458	154	9.0	15.0	10	85.6	428	407.6	M20	78	78	1.496	22.27	29930.0	1263	1453.0	18.39	43.6	912.6	118.70	186.7	3.27	51.0	47.95	446.2	1	1	4	4
UB 457 x 152 x 74	74.2	462	154	9.6	17.0	10	94.5	428	407.6	M20	78	78	1.505	20.29	32670.0	1414	1627	18.60	47.1	1047.0	135.60	213.1	3.33	55.6	66.18	516.3	1	1	4	4
UB 457 x 152 x 82	82.1	465.8	155	10.5	18.9	10	105	428	407.6	M20	80	80	1.514	18.45	36590.0	1571	1811	18.70	51.7	1185.0	152.50	240.4	3.37	60.3	89.65	589.1	1	1	3	4
UB 457 x 191 x 67	67.1	453.4	190	8.5	12.7	10	85.5	428	407.6	M27	90	90	1.632	24.31	29380.0	1296	1471	18.54	40.9	1452										