

## Structural Steel - Steel Data

### UNIVERSAL BEAMS



Description	Weight per Metre	External Surface Area per Metre	Depth of Section	Flange Width	Flange Thickness	Web Thickness	Depth between Flanges
	kg/m	m <sup>2</sup> /m	mm	mm	mm	mm	mm
UNIVERSAL BEAM 150mm X 14.0kg/m	14.0	0.576	150	75	7	5	136
UNIVERSAL BEAM 150mm X 18.0kg/m	18.0	0.584	155	75	9.5	6	136
UNIVERSAL BEAM 180mm X 16.1kg/m	16.1	0.682	173	90	7	4.5	159
UNIVERSAL BEAM 180mm X 18.1kg/m	18.1	0.685	175	90	8	5	159
UNIVERSAL BEAM 180mm X 22.2kg/m	22.2	0.691	179	90	10	6	159
UNIVERSAL BEAM 200mm X 18.2kg/m	18.2	0.764	198	99	7	4.5	184
UNIVERSAL BEAM 200mm X 22.3kg/m	22.3	0.91	202	133	7	5	188
UNIVERSAL BEAM 200mm X 25.4kg/m	25.4	0.912	203	133	7.8	5.8	188
UNIVERSAL BEAM 200mm X 29.8kg/m	29.8	0.922	207	134	9.6	6.3	188
UNIVERSAL BEAM 250mm X 25.7kg/m	25.7	0.961	248	124	8	5	232
UNIVERSAL BEAM 250mm X 31.4kg/m	31.4	1.06	252	146	8.6	6.1	234
UNIVERSAL BEAM 250mm X 37.3kg/m	37.3	1.07	256	146	10.9	6.4	234
UNIVERSAL BEAM 310mm X 32.0kg/m	32.0	1.16	298	149	8	5.5	282
UNIVERSAL BEAM 310mm X 40.4kg/m	40.4	1.24	304	165	10.2	6.1	284
UNIVERSAL BEAM 310mm X 46.2kg/m	46.2	1.25	307	166	11.8	6.7	284
UNIVERSAL BEAM 360mm X 44.7kg/m	44.7	1.35	352	171	9.7	6.9	333
UNIVERSAL BEAM 360mm X 50.7kg/m	50.7	1.36	356	171	11.5	7.3	333
UNIVERSAL BEAM 360mm X 56.7kg/m	56.7	1.37	359	172	13	8	333
UNIVERSAL BEAM 410mm X 53.7kg/m	53.7	1.48	403	178	10.9	7.6	381
UNIVERSAL BEAM 410mm X 59.7kg/m	59.7	1.49	406	178	12.8	7.8	381
UNIVERSAL BEAM 460mm X 67.1kg/m	67.1	1.63	454	190	12.7	8.5	428
UNIVERSAL BEAM 460mm X 74.6kg/m	74.6	1.64	457	190	14.5	9.1	428
UNIVERSAL BEAM 460mm X 82.1kg/m	82.1	1.65	460	191	16	9.9	428
UNIVERSAL BEAM 530mm X 82.0kg/m	82.0	1.85	528	209	13.2	9.6	502
UNIVERSAL BEAM 530mm X 92.4kg/m	92.4	1.86	533	209	15.6	10.2	502
UNIVERSAL BEAM 610mm X 101.0kg/m	101.0	2.07	602	228	14.8	10.6	572
UNIVERSAL BEAM 610mm X 113.0kg/m	113.0	2.08	607	228	17.3	11.2	572
UNIVERSAL BEAM 610mm X 125.0kg/m	125.0	2.09	612	229	19.6	11.9	572

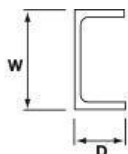
### UNIVERSAL COLUMNS



Description	Weight per metre	External Surface Area per Metre	Depth of Section	Flange Width	Flange Thickness	Web thickness	Depth between flanges
	kg/m	m <sup>2</sup> /m	mm	mm	mm	mm	mm
UNIVERSAL COLUMN 100mm X 14.8kg/m	14.8	0.563	97	99	7	5	83
UNIVERSAL COLUMN 150mm X 23.4kg/m	23.4	0.885	152	152	6.8	6.1	139
UNIVERSAL COLUMN 150mm X 30.0kg/m	30	0.899	158	153	9.4	6.6	139
UNIVERSAL COLUMN 150mm X 37.2kg/m	37.2	0.908	162	154	11.5	8.1	139
UNIVERSAL COLUMN 200mm X 46.2kg/m	46.2	1.18	203	203	11	7.3	181
UNIVERSAL COLUMN 200mm X 52.2kg/m	52.2	1.19	206	204	12.5	8	181
UNIVERSAL COLUMN 200mm X 59.5kg/m	59.5	1.22	210	205	14.2	9.3	181
UNIVERSAL COLUMN 250mm X 72.9kg/m	72.9	1.48	254	254	14.2	8.6	225
UNIVERSAL COLUMN 250mm X 89.5kg/m	89.5	1.5	260	256	17.3	10.5	225
UNIVERSAL COLUMN 310mm X 96.8kg/m	96.8	1.79	308	305	15.4	9.9	277
UNIVERSAL COLUMN 310mm X 118kg/m	118	1.81	315	307	18.7	11.9	277
UNIVERSAL COLUMN 310mm X 137kg/m	137	1.82	321	309	21.7	13.8	277
UNIVERSAL COLUMN 310mm X 158kg/m	158	1.84	327	311	25	15.7	277

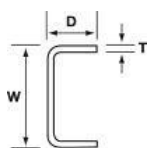
## Structural Steel - Steel Data

### PARALLEL FLANGE CHANNELS



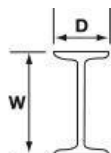
Description	Weight per Metre	External Surface Area per Metre	Depth of Section	Flange Width	Flange Thickness	Web Thickness	Depth Between Flanges
	kg/m	m <sup>2</sup> /m	mm	mm	mm	mm	mm
PARALLEL FLANGE CHANNEL 75 X 40mm	5.92	0.296	75	40	6.1	3.8	62.8
PARALLEL FLANGE CHANNEL 100 X 50mm	8.33	0.385	100	50	6.7	4.2	86.6
PARALLEL FLANGE CHANNEL 125 X 65mm	11.9	0.494	125	65	7.5	4.7	110
PARALLEL FLANGE CHANNEL 150 X 75mm	17.7	0.579	150	75	9.5	6	131
PARALLEL FLANGE CHANNEL 180 X 75mm	20.9	0.638	180	75	11	6	158
PARALLEL FLANGE CHANNEL 200 X 75mm	22.9	0.678	200	75	12	6	176
PARALLEL FLANGE CHANNEL 230 X 75mm	25.1	0.737	230	75	12	6.5	206
PARALLEL FLANGE CHANNEL 250 X 90mm	35.5	0.834	250	90	15	8	220
PARALLEL FLANGE CHANNEL 300 X 90mm	40.1	0.932	300	90	16	8	268
PARALLEL FLANGE CHANNEL 380 X 100mm	55.2	1.13	380	100	17.5	10	345

### DURAGAL CHANNEL



Description	Weight per Metre	External Surface Area per Metre	Depth of Section	Flange Width	Nominal Thickness	Actual Thickness	Depth Between Flanges
	kg/m	m <sup>2</sup> /m	mm	mm	mm	mm	mm
DURAGAL CHANNEL 75 x 40 x 4mm	4.25	0.299	75	40	4	3.8	67.4
DURAGAL CHANNEL 100 x 50 x 4mm	5.59	0.382	100	50	4	3.8	92.4
DURAGAL CHANNEL 150 x 75 x 5mm	10.5	0.58	150	75	5	4.7	141
DURAGAL CHANNEL 180 x 75 x 5mm	11.6	0.64	180	75	5	4.7	171
DURAGAL CHANNEL 200 x 75 x 6mm	15.5	0.669	200	75	6	6	188
DURAGAL CHANNEL 230 x 75 x 6mm	16.9	0.729	230	75	6	6	218

### TAPER FLANGE BEAMS



Description	Weight per Metre	External Surface Area per Metre	Depth of Section	Flange Width	Flange Thickness	Web Thickness	Depth Between Flanges
	kg/m	m <sup>2</sup> /m	mm	mm	mm	mm	mm
TAPER FLANGE BEAM 100 X 45MM	13.1	0.47	125	65	8.5	5	108
TAPER FLANGE BEAM 125X65MM	7.2	0.349	100	45	6	4	88