

## British universal beams

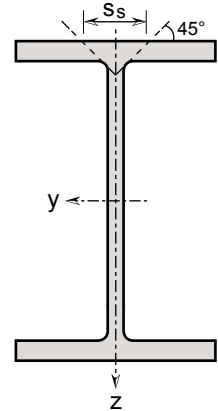
Dimensions: In accordance with BS 4-1: 2005  
Finish according to Montanstahl mill standard  
Tolerances: EN 10034: 1993

General properties									
Designation		Dimensions						Dimensions for detailing	
	G kg/m	h mm	b mm	t <sub>w</sub> mm	t <sub>f</sub> mm	r <sup>+</sup> mm	A mm <sup>2</sup> x10 <sup>2</sup>	h <sub>i</sub> mm	d mm
UB 127 x 76 x 13	13.0	127.0	76.0	4.0	7.6	7.6	16.52	111.8	96.6
UB 152 x 86 x 16	16.0	152.4	88.7	4.5	7.7	7.6	20.32	137	121.8
UB 178 x 102 x 19	19.0	177.8	101.2	4.8	7.9	7.6	24.26	162	146.8
UB 203 x 102 x 23	23.1	203.2	101.8	5.4	9.3	7.6	29.4	184.6	169.4
UB 203 x 133 x 25	25.1	203.2	133.2	5.7	7.8	7.6	31.97	187.6	172.4
UB 203 x 133 x 30	30.0	206.8	133.9	6.4	9.6	7.6	38.21	187.6	172.4
UB 254 x 102 x 22	22.0	254.0	101.6	5.7	6.8	7.6	28.02	240.4	225.2
UB 254 x 102 x 25	25.2	257.2	101.9	6.0	8.4	7.6	32.04	240.4	225.2
UB 254 x 102 x 28	28.3	260.4	102.2	6.3	10.0	7.6	36.08	240.4	225.2
UB 254 x 146 x 31	31.1	251.4	146.1	6.0	8.6	7.6	39.68	234.2	219
UB 254 x 146 x 37	37.0	256.0	146.4	6.3	10.9	7.6	47.17	234.2	219
UB 254 x 146 x 43	43.0	259.6	147.3	7.2	12.7	7.6	54.77	234.2	219
UB 305 x 102 x 25	24.8	305.1	101.6	5.8	7.0	7.6	31.60	291.1	275.9
UB 305 x 102 x 28	28.2	308.7	101.8	6.0	8.8	7.6	35.88	291.1	275.9
UB 305 x 102 x 33	32.8	312.7	102.4	6.6	10.8	7.6	41.83	291.1	275.9
UB 305 x 127 x 37	37.0	304.4	123.4	7.1	10.7	8.9	47.18	283	265.2
UB 305 x 127 x 42	41.9	307.2	124.3	8.0	12.1	8.9	53.40	283	265.2
UB 305 x 127 x 48	48.1	311.0	125.3	9.0	14.0	8.9	61.23	283	265.2
UB 305 x 165 x 40	40.3	303.4	165.0	6.0	10.2	8.9	51.32	283	265.2
UB 305 x 165 x 46	46.1	306.6	165.7	6.7	11.8	8.9	58.75	283	265.2
UB 305 x 165 x 54	54.0	310.4	166.9	7.9	13.7	8.9	68.77	283	265.2
UB 356 x 127 x 33	33.1	349.0	125.4	6.0	8.5	10.2	42.13	332	311.6
UB 356 x 127 x 39	39.1	353.4	126.0	6.6	10.7	10.2	49.77	332	311.6

\* Profiles are laser fused with full penetration up to 20mm thick web, equivalent to hot rolled (r = laser seam).  
(>20mm thick partial penetration only)

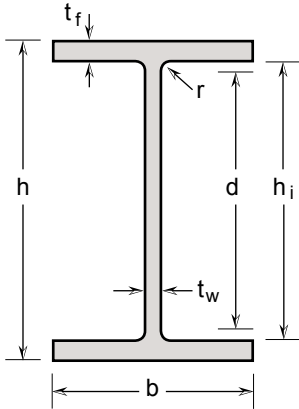
Stainless steel

Grade according to EN 10088-3: 1D  
Surface condition: blasted and pickled



Structural properties

Designation	Strong axis y-y					Weak axis z-z					$S_s$ mm	$I_t$ mm <sup>4</sup> x10 <sup>4</sup>	$I_w$ mm <sup>6</sup> x10 <sup>9</sup>
	$I_y$ mm <sup>4</sup> x10 <sup>4</sup>	$W_{el,y}$ mm <sup>3</sup> x10 <sup>3</sup>	$W_{pl,y}$ mm <sup>3</sup> x10 <sup>3</sup>	$i_y$ mm x10	$A_{vz}$ mm <sup>2</sup> x10 <sup>2</sup>	$I_z$ mm <sup>4</sup> x10 <sup>4</sup>	$W_{el,z}$ mm <sup>3</sup> x10 <sup>3</sup>	$W_{pl,z}$ mm <sup>3</sup> x10 <sup>3</sup>	$i_z$ mm x10				
UB 127 x 76 x 13	473.4	74.56	84.15	5.35	6.43	55.74	14.67	22.58	1.84	28.10	2.80	1.98	
UB 152 x 86 x 16	834.3	109.5	123.3	6.41	8.18	89.75	20.24	31.18	2.10	28.80	3.55	4.69	
UB 178 x 102 x 19	1356	152.5	171.3	7.48	9.85	136.7	27.02	41.59	2.37	29.50	4.42	9.85	
UB 203 x 102 x 23	2105	207.2	234.1	8.46	12.38	163.9	32.19	49.75	2.36	32.90	7.02	15.37	
UB 203 x 133 x 25	2340	230.3	257.7	8.56	12.82	307.6	46.19	70.94	3.10	30.20	6.10	29.33	
UB 203 x 133 x 30	2896	280.0	314.4	8.71	14.58	384.7	57.45	88.22	3.17	34.50	10.43	37.34	
UB 254 x 102 x 22	2841	223.7	259.0	10.07	15.62	119.3	23.49	37.27	2.06	28.20	4.35	18.16	
UB 254 x 102 x 25	3415	265.5	305.5	10.32	16.70	148.7	29.18	46.01	2.15	31.70	6.56	22.92	
UB 254 x 102 x 28	4005	307.6	352.8	10.54	17.79	178.5	34.94	54.85	2.22	35.20	9.66	27.89	
UB 254 x 146 x 31	4413	651.1	393.1	10.55	16.37	447.5	61.26	94.13	3.36	32.10	8.68	65.88	
UB 254 x 146 x 37	5537	432.6	483.2	10.83	17.59	570.6	77.96	119.4	3.48	37.00	15.37	85.61	
UB 254 x 146 x 43	6544	504.1	566.3	10.93	20.20	677.4	91.97	141.1	3.52	14.50	23.97	103.1	
UB 305 x 102 x 25	4455	292.1	342.0	11.87	18.85	122.9	24.20	38.81	1.97	28.70	4.98	27.18	
UB 305 x 102 x 28	5366	347.6	402.9	12.23	19.83	155.4	30.53	48.45	2.08	32.50	7.51	34.79	
UB 305 x 102 x 33	6501	415.8	480.8	12.47	22.06	194.1	37.91	60.04	2.15	37.10	12.29	44.04	
UB 305 x 127 x 37	7171	471.1	539.4	12.33	23.44	336.2	54.49	85.41	2.67	38.93	14.96	72.26	
UB 305 x 127 x 42	8196	533.6	613.5	12.39	26.44	388.8	62.55	98.41	2.70	42.63	21.42	84.32	
UB 305 x 127 x 48	9575	615.7	710.7	12.50	29.90	461.0	73.59	116.1	2.74	47.43	32.18	101.2	
UB 305 x 165 x 40	8503	560.5	623.1	12.87	20.09	764.4	92.65	141.7	3.86	36.83	14.74	164.1	
UB 305 x 165 x 46	9899	645.7	720.0	12.98	22.53	895.7	108.1	165.5	3.90	40.73	22.20	194.4	
UB 305 x 165 x 54	11700	753.6	846.1	13.04	26.56	1063	127.4	195.6	3.93	45.73	34.90	233.6	
UB 356 x 127 x 33	8249	472.7	542.9	13.99	23.06	280.2	44.69	70.29	2.58	34.95	8.97	80.97	
UB 356 x 127 x 39	10170	575.6	658.5	14.30	25.69	357.8	56.80	89.05	2.68	39.95	15.15	104.7	



## British universal beams

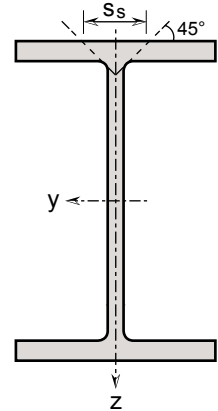
Dimensions: In accordance with BS 4-1: 2005  
Finish according to Montanstahl mill standard  
Tolerances: EN 10034: 1993

General properties									
Designation		Dimensions						Dimensions for detailing	
	G kg/m	h mm	b mm	t <sub>w</sub> mm	t <sub>f</sub> mm	r* mm	A mm <sup>2</sup> x10 <sup>2</sup>	h <sub>i</sub> mm	d mm
UB 356 x 171 x 45	45.0	351.4	171.1	7.0	9.7	10.2	57.33	332	311.6
UB 356 x 171 x 51	51.0	355.0	171.5	7.4	11.5	10.2	64.91	332	311.6
UB 356 x 171 x 57	57.0	358.0	172.2	8.1	13.0	10.2	72.56	332	311.6
UB 356 x 171 x 67	67.1	363.4	173.2	9.1	15.7	10.2	85.49	332	311.6
UB 406 x 140 x 39	39.0	398.0	141.8	6.4	8.6	10.2	49.65	380.8	360.4
UB 406 x 140 x 46	46.0	403.2	142.2	6.8	11.2	10.2	58.64	380.8	360.4
UB 406 x 178 x 54	54.1	402.6	177.7	7.7	10.9	10.2	68.95	380.8	360.4
UB 406 x 178 x 60	60.1	406.4	177.9	7.9	12.8	10.2	76.52	380.8	360.4
UB 406 x 178 x 67	67.1	409.4	178.8	8.8	14.3	10.2	85.54	380.8	360.4
UB 406 x 178 x 74	74.2	412.8	179.5	9.5	16.0	10.2	94.51	380.8	360.4
UB 406 x 178 x 85	85.0	417.0	181.0	10.9	18.2	10.2	108.2	380.8	360.4
UB 457 x 152 x 52	52.3	449.8	152.4	7.6	10.9	10.2	66.64	428	407.6
UB 457 x 152 x 60	59.8	454.6	152.9	8.1	13.3	10.2	76.23	428	407.6
UB 457 x 152 x 67	67.2	458.0	153.8	9.0	15.0	10.2	85.55	428	407.6
UB 457 x 152 x 74	74.2	462.0	154.4	9.6	17.0	10.2	94.48	428	407.6
UB 457 x 152 x 82	82.1	465.8	155.3	10.5	18.9	10.2	104.5	428	407.6
UB 457 x 191 x 67	67.1	453.4	189.9	8.5	12.7	10.2	85.51	428	407.6
UB 457 x 191 x 74	74.3	457.0	190.4	9.0	14.5	10.2	94.63	428	407.6
UB 457 x 191 x 82	82.0	460.0	191.3	9.9	16.0	10.2	104.5	428	407.6
UB 457 x 191 x 89	89.3	463.4	191.9	10.5	17.7	10.2	113.8	428	407.6
UB 457 x 191 x 98	98.3	467.3	192.8	11.4	19.6	10.2	125.3	428	407.6
UB 457 x 191 x 106	106	469.0	194.0	12.6	20.6	10.2	134.7	428	407.6
UB 533 x 165 x 66	66.0	525.0	165.0	8.9	11.4	13	83.77	502	476
UB 533 x 165 x 74	74.0	529.0	166.0	9.7	13.6	13	95.28	502	476
UB 533 x 165 x 85	85.0	535.0	166.0	10.3	16.5	13	107.9	502	476

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(>20mm thick partial penetration only)

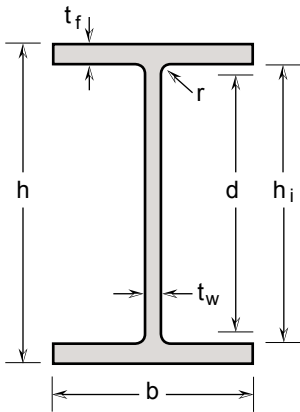
Stainless steel

Grade according to EN 10088-3: 1D  
Surface condition: blasted and pickled



Structural properties

Designation	Strong axis y-y					Weak axis z-z					$S_s$ mm	$I_t$ mm <sup>4</sup> x10 <sup>4</sup>	$I_w$ mm <sup>6</sup> x10 <sup>9</sup>
	$I_y$ mm <sup>4</sup> x10 <sup>4</sup>	$W_{el,y}$ mm <sup>3</sup> x10 <sup>3</sup>	$W_{pl,y}$ mm <sup>3</sup> x10 <sup>3</sup>	$i_y$ mm x10	$A_{vz}$ mm <sup>2</sup> x10 <sup>2</sup>	$I_z$ mm <sup>4</sup> x10 <sup>4</sup>	$W_{el,z}$ mm <sup>3</sup> x10 <sup>3</sup>	$W_{pl,z}$ mm <sup>3</sup> x10 <sup>3</sup>	$i_z$ mm x10				
UB 356 x 171 x 45	12070	686.7	774.6	14.51	26.79	811.1	94.81	146.6	3.76	38.35	16.16	236.4	
UB 356 x 171 x 51	14140	796.4	896.0	14.76	28.66	968.3	112.9	174.2	3.86	42.35	24.00	285.2	
UB 356 x 171 x 57	16040	896.0	1010	14.87	31.49	1108	128.7	198.8	3.91	46.05	33.59	329.2	
UB 356 x 171 x 67	19460	1071	1211	15.09	35.74	1362	157.3	243.0	3.99	52.45	55.90	410.9	
UB 406 x 140 x 39	12510	628.6	723.7	15.87	27.57	409.8	57.80	90.85	2.87	35.55	10.99	154.9	
UB 406 x 140 x 46	15690	778.0	887.6	16.35	29.83	538.1	75.68	118.1	3.03	41.15	19.07	206.2	
UB 406 x 178 x 54	18720	930.0	1055	16.48	33.28	1021	114.9	178.3	3.85	41.45	23.50	391.0	
UB 406 x 178 x 60	21600	1063	1199	16.80	34.60	1203	135.3	209.0	3.97	45.45	33.49	465.2	
UB406 x 178 x 67	24330	1189	1346	16.87	38.58	1365	152.7	236.6	3.99	49.35	46.40	531.7	
UB 406 x 178 x 74	27310	1323	1501	17.00	41.85	1545	172.2	267.0	4.04	53.45	63.10	607.1	
UB 406 x 178 x 85	31530	1512	1725	17.06	48.05	1803	199.3	310.1	4.08	59.02	93.02	715.2	
UB 457 x 152 x 52	21370	950.0	1096	17.91	36.47	645.0	84.64	133.3	3.11	41.35	21.71	307.7	
UB 457 x 152 x 60	25500	1122	1287	18.29	39.35	794.6	103.9	163.1	3.23	46.65	34.02	385.8	
UB 457 x 152 x 67	28930	1263	1453	18.39	43.82	912.6	118.7	186.7	3.27	50.95	47.95	446.2	
UB 457 x 152 x 74	32670	1414	1627	18.60	47.08	1047	135.6	213.1	3.33	55.55	66.18	516.3	
UB 457 x 152 x 82	36590	1517	1811	18.71	51.67	1185	152.5	240.4	3.37	60.25	89.65	589.1	
UB 457 x 191 x 67	29380	1296	1471	18.54	40.94	1452	152.9	237.3	4.12	45.85	37.54	703.8	
UB 457 x 191 x 74	33320	1458	1653	18.76	43.68	1671	175.5	272.1	4.20	49.95	52.14	816.6	
UB 457 x 191 x 82	37050	1611	1831	18.83	48.11	1871	195.6	303.9	4.23	53.85	69.72	920.1	
UB 457 x 191 x 89	41020	1770	2014	18.99	51.30	2089	217.8	338.4	4.29	57.85	91.26	1035	
UB 457 x 191 x 98	45730	1957	2232	19.11	55.92	2347	243.5	378.9	4.33	62.55	122.1	1173	
UB 457 x 191 x 106	48790	2081	2385	19.04	61.34	2515	259.2	405.3	4.32	65.49	146.6	1260	
UB 533 x 165 x 66	35100	1337	1563	20.47	50.13	857.3	103.9	166.2	3.20	46.93	33.29	562.9	
UB 533 x 165 x 74	41100	1554	1810	20.77	54.98	1042	125.5	200.3	3.31	52.13	49.20	688.6	
UB 533 x 165 x 85	48580	1816	2105	21.22	59.15	1264	152.2	241.8	3.42	58.53	74.55	845.5	



## British universal beams

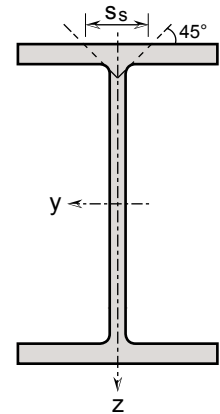
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Finish according to Montanstahl mill standard  
Tolerances: EN 10034: 1993

General properties									
Designation		Dimensions						Dimensions for detailing	
	G kg/m	h mm	b mm	t <sub>w</sub> mm	t <sub>f</sub> mm	r* mm	A mm <sup>2</sup> x10 <sup>2</sup>	h <sub>i</sub> mm	d mm
UB 533 x 210 x 82	82.2	528.3	208.8	9.6	13.2	12.7	104.7	501.9	476.5
UB 533 x 210 x 92	92.1	533.1	209.3	10.1	15.6	12.7	117.4	501.9	476.5
UB 533 x 210 x 101	101.0	536.7	210.0	10.8	17.4	12.7	128.7	501.9	476.5
UB 533 x 210 x 109	109.0	539.5	210.8	11.6	18.8	12.7	138.9	501.9	476.5
UB 533 x 210 x 122	122.0	544.5	211.9	12.7	21.3	12.7	155.4	501.9	476.5
UB 533 x 510 x 138	138.0	549.0	214.0	14.7	23.6	12.7	176.2	501.9	476.4
UB 610 x 178 x 82	82.0	599.0	178.0	10.0	12.8	13	104.4	573	547
UB 610 x 178 x 92	92.0	603.0	179.0	10.9	15.0	13	117.6	573	547
UB 610 x 229 x 101	101.2	602.6	227.6	10.5	14.8	12.7	128.9	573	547.6
UB 610 x 229 x 113	113.0	607.6	228.2	11.1	17.3	12.7	143.9	573	547.6
UB 610 x 229 x 125	125.1	612.2	229.0	11.9	19.6	12.7	159.3	573	547.6
UB 610 x 229 x 140	139.9	617.2	230.2	13.1	22.1	12.7	178.2	573	547.6
UB 610 x 229 x 153	153.0	623.0	229.0	14.0	24.9	12.7	195.7	573	547.6
UB 610 x 305 x 149	149.1	612.4	304.8	11.8	19.7	16.5	190.0	573	540
UB 610 x 305 x 179	179.0	620.2	307.1	14.1	23.6	16.5	228.1	573	540
UB 610 x 305 x 238	238.1	635.8	311.4	18.4	31.4	16.5	303.3	573	540
UB 686 x 254 x 125	125.2	677.9	253.0	11.7	16.2	15.2	159.5	645.5	615.1
UB 686 x 254 x 140	140.1	683.5	253.7	12.4	19.0	15.2	178.4	645.5	615.1
UB 686 x 254 x 152	152.4	687.5	254.5	13.2	21.0	15.2	194.1	645.5	615.1
UB 686 x 254 x 170	170.2	692.9	255.8	14.5	23.7	15.2	216.8	645.5	615.1
UB 686 x 254 x 192	192.0	702.0	254.0	15.5	27.9	15.2	243.8	645.5	615.1
UB 762 x 267 x 134	133.9	750.0	264.4	12.0	15.5	16.5	170.6	719	686
UB 762 x 267 x 147	146.9	754.0	265.2	12.8	17.5	16.5	187.2	719	686
UB 762 x 267 x 173	173.0	762.2	266.7	14.3	21.6	16.5	220.4	719	686
UB 762 x 267 x 197	196.8	769.8	268.0	15.6	25.4	16.5	250.6	719	686
UB 762 x 267 x 220	220.0	779.0	266.0	16.5	30.0	16.5	280.7	719	686

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Stainless steel

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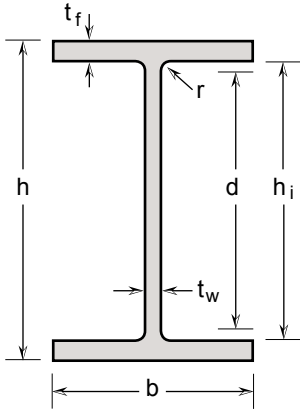


Structural properties

Designation	Strong axis y-y					Weak axis z-z					$S_s$ mm	$I_t$ mm <sup>4</sup> x10 <sup>4</sup>	$I_w$ mm <sup>6</sup> x10 <sup>9</sup>
	$I_y$ mm <sup>4</sup> x10 <sup>4</sup>	$W_{el,y}$ mm <sup>3</sup> x10 <sup>3</sup>	$W_{pl,y}$ mm <sup>3</sup> x10 <sup>3</sup>	$i_y$ mm x10	$A_{vz}$ mm <sup>2</sup> x10 <sup>2</sup>	$I_z$ mm <sup>4</sup> x10 <sup>4</sup>	$W_{el,z}$ mm <sup>3</sup> x10 <sup>3</sup>	$W_{pl,z}$ mm <sup>3</sup> x10 <sup>3</sup>	$i_z$ mm x10				
UB 533 x 210 x 82	47540	1800	2059	21.31	54.19	2007	192.3	300.4	4.38	50.88	52.54	1328	
UB 533 x 210 x 92	55230	2072	2360	21.69	57.61	2389	228.3	355.6	4.51	56.18	76.34	1596	
UB 533 x 210 x 101	61520	2292	2612	21.87	61.89	2692	256.4	399.4	4.57	60.48	101.6	1811	
UB 533 x 210 x 109	66820	2477	2828	21.94	66.56	2943	279.2	435.8	4.6	64.08	127.3	1989	
UB 533 x 210 x 122	76040	2793	3196	22.12	73.24	3388	319.7	499.7	4.67	70.18	179.6	2312	
UB 533 x 510 x 138	86160	3139	3617	22.10	84.98	3870	361.7	569.1	4.68	77.16	254.0	2660	
UB 610 x 178 x 82	56030	1871	2199	23.17	63.40	1209	135.8	218.3	3.4	50.83	50.58	1034	
UB 610 x 178 x 92	64680	2145	2515	23.45	69.44	1441	161.0	258.5	3.50	56.13	72.81	1239	
UB 610 x 229 x 101	75780	2515	2881	24.24	66.86	2915	256.1	400.2	4.75	54.98	78.16	2512	
UB 610 x 229 x 113	87320	2874	3281	24.63	71.30	3434	301.0	469.3	4.88	60.57	112.3	2985	
UB 610 x 229 x 125	98610	3221	3676	24.88	76.88	3932	343.4	535.4	4.97	65.98	155.2	3444	
UB 610 x 229 x 140	111800	3622	4142	25.05	84.96	4505	391.4	611.4	5.03	72.18	217.8	3978	
UB 610 x 229 x 153	125200	4019	4602	25.29	91.66	4998	436.5	682.4	5.05	79.03	297.5	4457	
UB 610 x 305 x 149	125900	4111	4594	25.74	78.78	9308	610.7	937.3	7.00	70.53	200.4	8165	
UB 610 x 305 x 179	153000	4935	5547	25.90	94.25	11410	743.0	1144	7.07	80.63	341.6	10140	
UB 610 x 305 x 238	209500	6589	7486	26.28	123.9	15840	1017	1574	7.23	100.5	790.6	14430	
UB 686 x 254 x 125	118000	3481	3994	27.20	84.33	4383	346.5	542.4	5.24	61.91	118.3	4786	
UB 686 x 254 x 140	136300	3987	4558	27.64	90.16	5183	408.6	638.2	5.39	68.21	170.3	5708	
UB 686 x 254 x 152	150400	4374	5000	27.83	96.35	5784	454.5	710.2	5.46	73.01	221.3	6407	
UB 686 x 254 x 170	170300	4916	5631	28.03	106.2	6630	518.4	811.4	5.53	79.71	309.8	7402	
UB 686 x 254 x 192	197900	5639	6457	28.49	114.8	7643	601.8	941.0	5.60	88.87	463.2	8657	
UB 762 x 267 x 134	150700	4018	4644	29.72	95.59	4788	362.2	569.9	5.30	62.33	122.3	6440	
UB 762 x 267 x 147	168500	4470	5156	30.00	102.4	5455	411.4	647.2	5.40	67.13	162.2	7377	
UB 762 x 267 x 173	205300	5387	6198	30.52	115.4	6850	513.7	807.5	5.58	76.83	270.3	9364	
UB 762 x 267 x 197	240000	6234	7167	30.94	126.8	8175	610.1	958.6	5.71	85.73	407.3	11290	
UB 762 x 267 x 220	278200	7143	8198	31.48	136.3	9440	709.9	1113	5.80	96.42	609.0	13200	



# BRITISH UNIVERSAL BEAM



## British universal beams

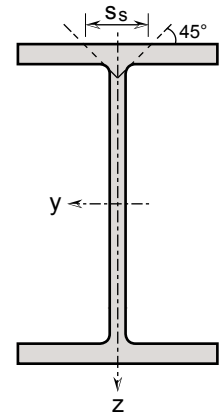
Dimensions: In accordance with BS 4-1: 2005  
Finish according to Montanstahl mill standard  
Tolerances: EN 10034: 1993

General properties									
Designation		Dimensions						Dimensions for detailing	
	G kg/m	h mm	b mm	t <sub>w</sub> mm	t <sub>f</sub> mm	r* mm	A mm <sup>2</sup> x10 <sup>2</sup>	h <sub>i</sub> mm	d mm
UB 838 x 292 x 176	175.9	834.9	291.7	14.0	18.8	17.8	224.0	797.3	761.7
UB 838 x 292 x 194	193.8	840.7	292.4	14.7	21.7	17.8	246.8	797.3	761.7
UB 838 x 292 x 226	226.5	850.9	293.8	16.1	26.8	17.8	288.6	797.3	761.7
UB 838 x 292 x 251	251.0	859.0	292.0	17.0	31.0	17.8	319.3	797.3	761.7
UB 914 x 305 x 201	200.9	903.0	303.3	15.1	20.2	19.1	255.9	862.6	824.4
UB 914 x 305 x 224	224.2	910.4	304.1	15.9	23.9	19.1	285.6	862.6	824.4
UB 914 x 305 x 238	238.0	915.0	305.0	16.5	25.9	19.0	303.5	862.8	824.8
UB 914 x 305 x 253	253.4	918.4	305.5	17.3	27.9	19.1	322.8	862.6	824.4
UB 914 x 305 x 271	271.0	923.0	307.0	18.4	30.0	19.0	346.1	862.8	824.8
UB 914 x 305 x 289	289.1	926.6	307.7	19.5	32.0	19.1	368.3	862.6	824.4
UB 914 x 305 x 313	313.0	932.0	309.0	21.1	34.5	19.0	398.4	862.8	824.8
UB 914 x 305 x 345	345.0	943.0	308.0	22.1	39.9	19.0	439.7	862.8	824.8
UB 914 x 305 x 381	381.0	951.0	310.0	24.4	43.9	19.0	485.9	862.8	824.8
UB 914 x 305 x 425	425.0	961.0	313.0	26.9	49.0	19.0	542.0	862.8	824.8
UB 914 x 305 x 474	474.0	971.0	316.0	30.0	54.1	19.0	603.9	862.8	824.8
UB 914 x 305 x 521	521.0	981.0	319.0	33.0	58.9	19.0	663.7	862.8	824.8
UB 914 x 305 x 576	576.0	993.0	322.0	36.1	65.0	19.0	733.2	862.8	824.8
UB 920 x 420 x 344	344	927	418	19.3	32.0	19.0	437.2	862.8	824.8
UB 920 x 420 x 368	368	931	419	20.3	34.3	19.0	465.6	862.8	824.8
UB 920 x 420 x 390	390	936	420	21.3	36.6	19.0	494.3	862.8	824.8
UB 920 x 420 x 420	420	943	422	22.5	39.9	19.0	534.1	862.8	824.8
UB 920 x 420 x 449	449	948	423	24.0	42.7	19.0	571.4	862.8	824.8
UB 920 x 420 x 491	491	957	422	25.9	47.0	19.0	623.3	962.8	824.8
UB 920 x 420 x 537	537	965	425	28.4	51.1	19.0	682.8	862.8	824.8
UB 920 x 420 x 588	588	975	427	31.0	55.9	19.0	748.1	862.8	824.8
UB 920 x 420 x 656	656	987	431	34.5	62.0	19.0	835.3	862.8	824.8
UB 920 x 420 x 725	725	999	434	38.1	68.1	19.0	922.9	862.8	824.8
UB 920 x 420 x 787	787	1011	437	40.9	73.9	19.0	1002	862.8	824.8

\* Profiles are laser fused with full penetration up to 20mm thick web, equivalent to hot rolled (r = laser seam).  
(>20mm thick partial penetration only)

Stainless steel

Grade according to EN 10088-3: 1D  
Surface condition: blasted and pickled



Structural properties

Designation	Strong axis y-y					Weak axis z-z					$S_s$ mm	$I_t$ mm <sup>4</sup> x10 <sup>4</sup>	$I_w$ mm <sup>6</sup> x10 <sup>9</sup>
	$I_y$ mm <sup>4</sup> x10 <sup>4</sup>	$W_{el,y}$ mm <sup>3</sup> x10 <sup>3</sup>	$W_{pl,y}$ mm <sup>3</sup> x10 <sup>3</sup>	$i_y$ mm x10	$A_{vz}$ mm <sup>2</sup> x10 <sup>2</sup>	$I_z$ mm <sup>4</sup> x10 <sup>4</sup>	$W_{el,z}$ mm <sup>3</sup> x10 <sup>3</sup>	$W_{pl,z}$ mm <sup>3</sup> x10 <sup>3</sup>	$i_z$ mm x10				
UB 838 x 292 x 176	246000	5893	6808	33.14	123.7	7799	534.7	841.9	5.9	72.45	226.2	12950	
UB 838 x 292 x 194	279200	6641	7640	33.63	130.8	9066	620.1	973.8	6.06	78.95	309.6	15160	
UB 838 x 292 x 226	339700	7985	9155	34.31	144.9	11360	773.3	1212	6.27	90.55	516.5	19230	
UB 838 x 292 x 251	386500	8999	10300	34.79	154.7	12900	883.6	1383	6.36	100.1	737.6	22050	
UB 914 x 305 x 201	325300	7204	8351	35.65	144.2	9423	621.4	982.0	6.07	77.88	297.9	18300	
UB 914 x 305 x 224	376400	8269	9535	36.30	153.2	11240	739.0	1163	6.27	86.08	427.2	22010	
UB 914 x 305 x 238	406400	8883	10230	36.59	159.6	12290	805.6	1267	6.36	90.56	518.8	24200	
UB 914 x 305 x 253	436300	9501	10940	36.76	167.8	13300	870.8	1371	6.42	95.48	630.5	26280	
UB 914 x 305 x 271	471600	10220	11780	36.91	178.8	14520	945.8	1491	6.48	100.7	775.0	28840	
UB 914 x 305 x 289	504200	10880	12570	37.00	189.8	15600	1014	1601	6.51	105.9	933.6	31090	
UB 914 x 305 x 313	548200	11760	13630	37.10	205.6	17040	1103	1748	6.54	112.4	1171	34160	
UB 914 x 305 x 345	625600	13270	15350	37.72	217.8	19520	1267	2003	6.66	124.2	1658	39620	
UB 914 x 305 x 381	696800	14650	17020	37.87	241.1	21910	1414	2243	6.72	134.5	2213	44840	
UB 914 x 305 x 425	788200	16400	19130	38.13	267.0	25190	1610	2562	6.82	147.2	3054	52070	
UB 914 x 305 x 474	885700	18240	21390	38.30	298.7	28660	1814	2901	6.89	160.5	4147	59800	
UB 914 x 305 x 521	982400	20030	23610	38.47	329.8	32140	2015	3238	6.96	173.1	5405	67740	
UB 914 x 305 x 576	1102000	22190	26280	38.76	362.8	36520	2268	3658	7.06	188.4	7227	77870	
UB 920 x 420 x 344	645000	13920	15700	38.41	188.0	39010	1867	2880	9.45	105.6	1159	78120	
UB 920 x 420 x 368	692200	14870	16790	38.56	198.2	42120	2010	3104	9.51	111.2	1408	84670	
UB 920 x 420 x 390	741700	15850	17920	38.74	208.6	45270	2156	3331	9.57	116.8	1691	91550	
UB 920 x 420 x 420	813300	17250	19530	39.02	221.5	50070	2373	3667	9.68	124.6	2151	102100	
UB 920 x 420 x 449	874700	18450	20950	39.13	236.6	53970	2552	3949	9.72	131.7	2627	110600	
UB 920 x 420 x 491	966300	20200	23000	39.37	256.6	59000	2796	4335	9.73	142.2	3441	122200	
UB 920 x 420 x 537	1066000	22080	25270	39.51	282.1	65550	3085	4795	9.80	152.9	4447	136900	
UB 920 x 420 x 588	1181000	24230	27840	39.74	309.3	72730	3408	5310	9.86	165.1	5859	153200	
UB 920 x 420 x 656	1335000	27060	31270	39.98	345.8	83040	3853	6022	9.97	180.8	7950	177600	
UB 920 x 420 x 725	1492000	29880	34740	40.21	383.6	93200	4295	6734	10.05	196.6	10570	201900	
UB 920 x 420 x 787	1646000	32560	38010	40.53	414.5	103300	4728	7425	10.15	211.0	13430	226800	





