

## British universal beams

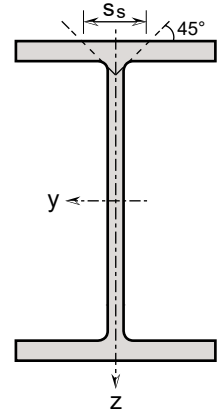
Dimensions: In accordance with EN 10365  
Finish according to Montanstahl mill standard  
Tolerances: EN 10034: 1993

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 127 x 76 x 13	12.8	127	76	4	7.6	2	16.1	111.8	107.8
UB 152 x 89 x 16	15.9	152.4	88.7	4.5	7.7	2	19.9	137.0	133.0
UB 178 x 102 x 19	19.0	177.8	101.2	4.8	7.9	2	23.8	162.0	158.0
UB 203 x 102 x 23	23.2	203.2	101.8	5.4	9.3	2	28.9	184.6	180.6
UB 203 x 133 x 25	25.2	203.2	133.2	5.7	7.8	2	31.5	187.6	183.6
UB 203 x 133 x 30	30.2	206.8	133.9	6.4	9.6	2	37.7	187.6	183.6
UB 254 x 102 x 22	22.0	254	101.6	5.7	6.8	2	27.6	240.4	236.4
UB 254 x 102 x 25	25.3	257.2	101.9	6	8.4	2	31.6	240.4	236.4
UB 254 x 102 x 28	28.5	260.4	102.2	6.3	10	2	35.6	240.4	236.4
UB 254 x 146 x 31	31.4	251.4	146.1	6	8.6	2	39.2	234.2	230.2
UB 254 x 146 x 37	37.4	256	146.4	6.3	10.9	2	46.7	234.2	230.2
UB 254 x 146 x 43	43.4	259.6	147.3	7.2	12.7	2	54.3	234.2	230.2
UB 305 x 102 x 25	24.9	305.1	101.6	5.8	7	2	31.1	291.1	287.1
UB 305 x 102 x 28	28.3	308.7	101.8	6	8.8	2	35.4	291.1	287.1
UB 305 x 102 x 33	33.1	312.7	102.4	6.6	10.8	2	41.4	291.1	287.1
UB 305 x 127 x 37	37.2	304.4	123.4	7.1	10.7	2	46.5	283.0	279.0
UB 305 x 127 x 42	42.2	307.2	124.3	8	12.1	2	52.8	283.0	279.0
UB 305 x 127 x 48	48.5	311	125.3	9	14	2	60.6	283.0	279.0
UB 305 x 165 x 40	40.5	303.4	165	6	10.2	2	50.7	283.0	279.0
UB 305 x 165 x 46	46.5	306.6	165.7	6.7	11.8	2	58.1	283.0	279.0
UB 305 x 165 x 54	54.5	310.4	166.9	7.9	13.7	2	68.1	283.0	279.0
UB 356 x 127 x 33	33.0	349	125.4	6	8.5	2	41.3	332.0	328.0
UB 356 x 127 x 39	39.1	353.4	126	6.6	10.7	2	48.9	332.0	328.0

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

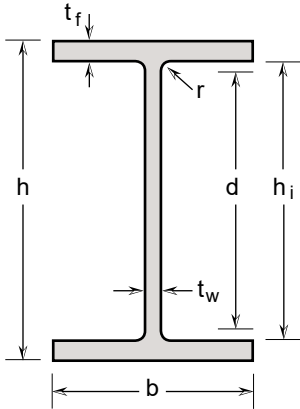
Stainless steel

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	459.9	72.4	81.7	5.4	5.1	55.7	14.6	22.4	1.9	17.5	2.4	2.0
UB 152 x 86 x 16	813.7	106.8	120.2	6.4	6.9	89.7	20.2	31.0	2.1	17.7	3.1	4.7
UB 178 x 102 x 19	1327.0	149.3	167.6	7.5	8.5	136.6	27.0	41.4	2.4	18.1	3.9	9.8
UB 203 x 102 x 23	2067.1	203.5	229.9	8.5	10.9	163.8	32.2	49.5	2.4	20.9	6.4	15.4
UB 203 x 133 x 25	2301.1	226.5	253.5	8.5	11.5	307.5	46.2	70.7	3.1	17.9	5.4	29.3
UB 203 x 133 x 30	2856.5	276.3	310.1	8.7	13.0	384.5	57.4	88.0	3.2	21.5	9.6	37.3
UB 254 x 102 x 22	2776.3	218.6	253.6	10.0	14.4	119.2	23.5	37.1	2.1	15.9	3.7	18.2
UB 254 x 102 x 25	3349.9	260.5	300.1	10.3	15.3	148.6	29.2	45.8	2.2	19.1	5.8	22.9
UB 254 x 102 x 28	3940.0	302.6	347.3	10.5	16.2	178.4	34.9	54.6	2.2	22.3	8.8	27.9
UB 254 x 146 x 31	4352.0	346.2	387.7	10.5	14.9	447.4	61.2	93.9	3.4	19.5	7.9	65.9
UB 254 x 146 x 37	5475.4	427.8	477.9	10.8	15.9	570.5	77.9	119.1	3.5	24.1	14.5	85.6
UB 254 x 146 x 43	6482.3	499.4	561.0	10.9	18.3	677.2	92.0	140.8	3.5	27.7	22.8	103.1
UB 305 x 102 x 25	4360.1	285.8	335.4	11.8	17.6	122.8	24.2	38.6	2.0	16.3	4.3	27.2
UB 305 x 102 x 28	5270.4	341.5	396.3	12.2	18.4	155.3	30.5	48.2	2.1	19.9	6.8	34.8
UB 305 x 102 x 33	6406.0	409.7	474.2	12.4	20.4	194.0	37.9	59.8	2.2	23.9	11.3	44.0
UB 305 x 127 x 37	7045.2	462.9	530.4	12.3	21.3	336.0	54.4	85.0	2.7	23.7	13.5	72.3
UB 305 x 127 x 42	8070.4	525.4	604.5	12.4	24.1	388.5	62.5	98.0	2.7	26.5	19.5	84.3
UB 305 x 127 x 48	9449.3	607.7	701.7	12.5	27.3	460.7	73.5	115.6	2.8	30.3	29.6	101.2
UB 305 x 165 x 40	8377.1	552.2	614.1	12.9	18.0	764.2	92.6	141.4	3.9	22.7	13.7	164.1
UB 305 x 165 x 46	9773.1	637.5	711.0	13.0	20.3	895.5	108.1	165.2	3.9	25.9	20.8	194.4
UB 305 x 165 x 54	11570.4	745.5	837.1	13.0	24.0	1062.7	127.3	195.2	3.9	29.7	32.9	233.6
UB 356 x 127 x 33	8019.4	459.6	528.8	13.9	20.8	280.0	44.7	69.8	2.6	19.3	7.6	81.0
UB 356 x 127 x 39	9941.5	562.6	644.5	14.3	23.1	357.5	56.8	88.6	2.7	23.7	13.4	104.7



## British universal beams

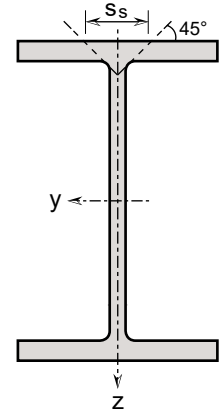
Dimensions: In accordance with EN 10365  
Finish according to Montanstahl mill standard  
Tolerances: EN 10034: 1993

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	45.2	351.4	171.1	7	9.7	2	56.5	332.0	328.0
UB 356 x 171 x 51	51.2	355	171.5	7.4	11.5	2	64.0	332.0	328.0
UB 356 x 171 x 57	57.4	358	172.2	8.1	13	2	71.7	332.0	328.0
UB 356 x 171 x 67	67.7	363.4	173.2	9.1	15.7	2	84.6	332.0	328.0
UB 406 x 140 x 39	39.0	398	141.8	6.4	8.6	2	48.8	380.8	376.8
UB 406 x 140 x 46	46.2	403.2	142.2	6.8	11.2	2	57.8	380.8	376.8
UB 406 x 178 x 54	54.5	402.6	177.7	7.7	10.9	2	68.1	380.8	376.8
UB 406 x 178 x 60	60.5	406.4	177.9	7.9	12.8	2	75.7	380.8	376.8
UB 406 x 178 x 67	67.7	409.4	178.8	8.8	14.3	2	84.7	380.8	376.8
UB 406 x 178 x 74	74.9	412.8	179.5	9.5	16	2	93.7	380.8	376.8
UB 457 x 152 x 52	52.6	449.8	152.4	7.6	10.9	2	65.8	428.0	424.0
UB 457 x 152 x 60	60.3	454.6	152.9	8.1	13.3	2	75.4	428.0	424.0
UB 457 x 152 x 67	67.8	458	153.8	9	15	2	84.7	428.0	424.0
UB 457 x 152 x 74	74.9	462	154.4	9.6	17	2	93.6	428.0	424.0
UB 457 x 152 x 82	82.9	465.8	155.3	10.5	18.9	2	103.7	428.0	424.0
UB 457 x 191 x 67	67.7	453.4	189.9	8.5	12.7	2	84.6	428.0	424.0
UB 457 x 191 x 74	75.0	457	190.4	9	14.5	2	93.8	428.0	424.0
UB 457 x 191 x 82	82.9	460	191.3	9.9	16	2	103.6	428.0	424.0
UB 457 x 191 x 89	90.3	463.4	191.9	10.5	17.7	2	112.9	428.0	424.0
UB 457 x 191 x 98	99.5	467.2	192.8	11.4	19.6	2	124.4	428.0	424.0
UB 533 x 210 x 82	82.7	528.3	208.8	9.6	13.2	2	103.3	501.9	497.9
UB 533 x 210 x 92	92.8	533.1	209.3	10.1	15.6	2	116.0	501.9	497.9
UB 533 x 210 x 101	101.9	536.7	210	10.8	17.4	2	127.3	501.9	497.9
UB 533 x 210 x 109	110.0	539.5	210.8	11.6	18.8	2	137.5	501.9	497.9
UB 533 x 210 x 122	123.2	544.5	211.9	12.7	21.3	2	154.0	501.9	497.9

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(>20mm thick partial penetration only)

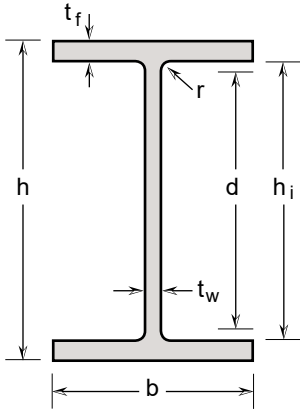
Stainless steel

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	11835.7	673.6	760.6	14.5	24.3	810.7	94.8	146.1	3.8	21.7	14.3	236.4
UB 356 x 171 x 51	13905.9	783.4	882.0	14.7	25.9	967.9	112.9	173.7	3.9	25.3	21.9	285.2
UB 356 x 171 x 57	15808.3	883.1	996.1	14.8	28.5	1107.8	128.7	198.2	3.9	28.3	31.0	329.2
UB 356 x 171 x 67	19232.8	1058.5	1196.8	15.1	32.3	1361.6	157.2	242.4	4.0	33.7	52.3	410.9
UB 406 x 140 x 39	12204.6	613.3	707.5	15.8	25.3	409.5	57.8	90.4	2.9	19.5	9.4	154.9
UB 406 x 140 x 46	15381.4	763.0	871.5	16.3	27.1	537.7	75.6	117.7	3.1	24.7	17.2	206.2
UB 406 x 178 x 54	18418.5	915.0	1038.5	16.4	30.6	1020.8	114.9	177.8	3.9	24.1	21.2	391.0
UB 406 x 178 x 60	21292.6	1047.9	1183.3	16.8	31.6	1202.7	135.2	208.5	4.0	27.9	31.0	465.2
UB406 x 178 x 67	24027.2	1173.8	1329.9	16.8	35.4	1364.5	152.6	236.0	4.0	30.9	43.2	531.7
UB 406 x 178 x 74	27006.0	1308.4	1484.7	17.0	38.4	1545.0	172.1	266.4	4.1	34.3	59.2	607.1
UB 457 x 152 x 52	20984.2	933.0	1077.9	17.9	33.8	644.6	84.6	132.8	3.1	24.1	19.5	309.7
UB 457 x 152 x 60	25115.3	1104.9	1269.1	18.3	36.3	794.3	103.9	162.5	3.2	28.9	31.3	385.8
UB 457 x 152 x 67	28541.8	1246.4	1434.9	18.4	40.5	912.1	118.6	186.1	3.3	32.3	44.6	446.2
UB 457 x 152 x 74	32289.3	1397.8	1608.4	18.6	43.4	1046.1	135.5	212.5	3.3	36.3	62.1	516.3
UB 457 x 152 x 82	36203.9	1554.5	1793.3	18.7	47.7	1184.0	152.5	239.7	3.4	40.1	84.5	589.1
UB 457 x 191 x 67	28995.6	1279.0	1452.8	18.5	38.0	1451.7	152.9	236.7	4.1	27.7	34.7	703.8
UB 457 x 191 x 74	32934.6	1441.3	1634.6	18.7	40.4	1670.7	175.5	271.5	4.2	31.3	48.8	816.6
UB 457 x 191 x 82	36666.6	1594.2	1813.1	18.8	44.6	1870.3	195.5	303.3	4.2	34.3	65.6	920.1
UB 457 x 191 x 89	40630.4	1753.6	1995.5	19.0	47.5	2088.9	217.7	337.7	4.3	37.7	86.4	1035.3
UB 457 x 191 x 98	45342.2	1941.0	2214.2	19.1	51.8	2346.4	243.4	378.2	4.3	41.5	116.0	1172.6
UB 533 x 210 x 82	46708.3	1768.2	2025.1	21.3	50.0	2006.4	192.2	299.3	4.4	28.7	47.0	1328.4
UB 533 x 210 x 92	54396.5	2040.8	2326.6	21.7	52.9	2388.2	228.2	354.5	4.5	33.5	69.9	1596.0
UB 533 x 210 x 101	60687.9	2261.5	2578.5	21.8	56.8	2691.0	256.3	398.3	4.6	37.1	94.1	1810.6
UB 533 x 210 x 109	65991.2	2446.4	2794.9	21.9	61.2	2941.6	279.1	434.6	4.6	39.9	118.3	1989.5
UB 533 x 210 x 122	75211.7	2762.6	3162.1	22.1	67.3	3386.3	319.6	498.5	4.7	44.9	168.3	2311.5



## British universal beams

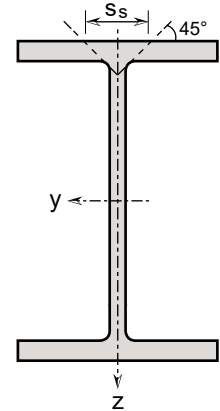
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General properties									
Designation		Dimensions						Dimensions for detailing	
	G kg/m	h mm	b mm	t <sub>w</sub> mm	t <sub>f</sub> mm	r* mm	A mm <sup>2</sup> x10 <sup>2</sup>	h <sub>i</sub> mm	d mm
UB 610 x 229 x 101	102.1	602.6	227.6	10.5	14.8	2	127.6	573.0	569.0
UB 610 x 229 x 113	114.1	607.6	228.2	11.1	17.3	2	142.6	573.0	569.0
UB 610 x 229 x 125	126.4	612.2	229	11.9	19.6	2	158.0	573.0	569.0
UB 610 x 229 x 140	141.5	617.2	230.2	13.1	22.1	2	176.8	573.0	569.0
UB 610 x 305 x 149	150.2	612.4	304.8	11.8	19.7	2	187.7	573.0	569.0
UB 610 x 305 x 179	180.6	620.2	307.1	14.1	23.6	2	225.8	573.0	569.0
UB 610 x 305 x 238	240.8	635.8	311.4	18.4	31.4	2	301.0	573.0	569.0
UB 686 x 254 x 125	126.0	677.9	253	11.7	16.2	2	157.5	645.5	641.5
UB 686 x 254 x 140	141.2	683.5	253.7	12.4	19	2	176.5	645.5	641.5
UB 686 x 254 x 152	153.7	687.5	254.5	13.2	21	2	192.1	645.5	641.5
UB 686 x 254 x 170	171.9	692.9	255.8	14.5	23.7	2	214.9	645.5	641.5
UB 762 x 267 x 134	134.6	750	264.4	12	15.5	2	168.3	719.0	715.0
UB 762 x 267 x 147	147.9	754	265.2	12.8	17.5	2	184.9	719.0	715.0
UB 762 x 267 x 173	174.5	762.2	266.7	14.3	21.6	2	218.1	719.0	715.0
UB 762 x 267 x 197	198.7	769.8	268	15.6	25.4	2	248.3	719.0	715.0
UB 838 x 292 x 176	177.1	834.9	291.7	14	18.8	2	221.3	797.3	793.3
UB 838 x 292 x 194	195.3	840.7	292.4	14.7	21.7	2	244.1	797.3	793.3
UB 838 x 292 x 226	228.7	850.9	293.8	16.1	26.8	2	285.9	797.3	793.3
UB 914 x 305 x 201	202.3	903	303.3	15.1	20.2	2	252.8	862.6	858.6
UB 914 x 305 x 224	226.0	910.4	304.1	15.9	23.9	2	282.5	862.6	858.6
UB 914 x 305 x 238	240.4	915	305	16.5	25.9	2	300.5	863.2	859.2
UB 914 x 305 x 253	255.8	918.4	305.5	17.3	27.9	2	319.7	862.6	858.6
UB 914 x 305 x 271	274.4	923	307	18.4	30	2	343.0	863.0	859.0
UB 914 x 305 x 289	292.1	926.6	307.7	19.5	32	2	365.2	862.6	858.6
UB 914 x 305 x 313	316.3	932	309	21.1	34.5	2	395.3	863.0	859.0

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

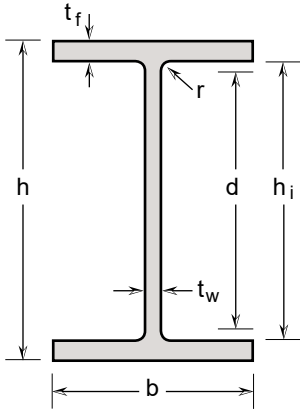
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Structural properties

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 610 x 229 x 101	74694.0	2479.1	2842.8	24.2	62.3	2913.8	256.0	399.1	4.8	31.9	71.4	2512.0
UB 610 x 229 x 113	86232.4	2838.5	3242.5	24.6	66.2	3433.0	300.9	468.1	4.9	36.9	104.3	2984.9
UB 610 x 229 x 125	97523.9	3186.0	3637.6	24.8	71.3	3931.0	343.3	534.2	5.0	41.5	145.6	3444.1
UB 610 x 229 x 140	110691.3	3586.9	4103.8	25.0	78.9	4504.0	391.3	610.2	5.0	46.5	205.6	3978.1
UB 610 x 305 x 149	124034.7	4050.8	4528.5	25.7	70.8	9305.2	610.6	935.1	7.0	41.7	185.0	8165.3
UB 610 x 305 x 179	151182.7	4875.3	5482.2	25.9	85.1	11405.4	742.8	1141.4	7.1	49.5	318.8	10136.9
UB 610 x 305 x 238	207629.9	6531.3	7421.1	26.3	112.5	15832.6	1016.9	1571.0	7.3	65.1	747.3	14431.9
UB 686 x 254 x 125	116005.2	3422.5	3931.9	27.1	78.1	4381.1	346.3	540.6	5.3	34.7	106.4	4786.2
UB 686 x 254 x 140	134279.9	3929.2	4495.9	27.6	83.2	5181.1	408.4	636.3	5.4	40.3	156.2	5708.1
UB 686 x 254 x 152	148367.9	4316.2	4938.2	27.8	88.9	5781.8	454.4	708.2	5.5	44.3	204.8	6407.3
UB 686 x 254 x 170	168339.0	4859.0	5568.5	28.0	98.0	6627.9	518.2	809.3	5.6	49.7	289.0	7402.0
UB 762 x 267 x 134	147777.1	3940.7	4562.2	29.6	88.8	4785.3	362.0	567.7	5.3	33.3	107.7	6440.0
UB 762 x 267 x 147	165586.8	4392.2	5073.6	29.9	95.0	5452.7	411.2	644.9	5.4	37.3	145.3	7377.2
UB 762 x 267 x 173	202367.1	5310.1	6115.8	30.5	106.8	6846.8	513.4	805.0	5.6	45.5	247.9	9364.4
UB 762 x 267 x 197	237042.0	6158.5	7084.7	30.9	117.2	8171.4	609.8	955.9	5.7	53.1	379.0	11288.6
UB 838 x 292 x 176	241838.5	5793.2	6701.7	33.1	115.0	7795.3	534.5	838.9	5.9	39.9	202.7	12949.2
UB 838 x 292 x 194	274993.0	6542.0	7534.1	33.6	121.3	9062.6	619.9	970.7	6.1	45.7	282.6	15161.7
UB 838 x 292 x 226	335521.2	7886.3	9048.8	34.3	133.8	11355.4	773.0	1208.4	6.3	55.9	481.3	19232.6
UB 914 x 305 x 201	319606.9	7078.8	8219.0	35.6	134.1	9418.1	621.0	978.3	6.1	42.7	266.3	18301.3
UB 914 x 305 x 224	370766.3	8145.1	9402.3	36.2	141.9	11230.9	738.6	1159.6	6.3	50.1	390.2	22008.6
UB 914 x 305 x 238	400817.0	8761.0	10098.5	36.5	147.8	12279.9	805.2	1263.5	6.4	54.1	478.2	24204.1
UB 914 x 305 x 253	430657.2	9378.4	10809.8	36.7	155.2	13295.5	870.4	1366.5	6.4	58.1	584.2	26284.2
UB 914 x 305 x 271	465980.0	10097.1	11651.9	36.9	165.5	14512.1	945.4	1486.8	6.5	62.3	721.7	28842.2
UB 914 x 305 x 289	498539.4	10760.6	12437.5	36.9	175.8	15590.8	1013.4	1596.9	6.5	66.3	871.7	31087.0
UB 914 x 305 x 313	542644.6	11644.7	13497.9	37.0	190.8	17032.2	1102.4	1743.1	6.6	71.3	1097.6	34162.7



## British universal beams

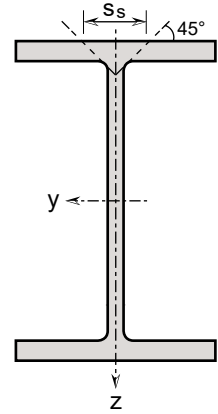
Dimensions: In accordance with EN 10365  
Finish according to Montanstahl mill standard  
Tolerances: EN 10034: 1993

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 914 x 305 x 345	349.3	943	308	22.1	39.9	2	436.6	863.2	859.2
UB 914 x 305 x 381	386.3	951	310	24.4	43.9	2	482.8	863.2	859.2
UB 914 x 305 x 425	431.1	961	313	26.9	49	2	538.9	863.0	859.0
UB 914 x 305 x 474	480.6	971	316	30	54.1	2	600.8	862.8	858.8
UB 914 x 305 x 521	528.5	981	319	33	58.9	2	660.7	863.2	859.2
UB 914 x 305 x 576	584.1	993	322	36.1	65	2	730.2	863.0	859.0
UB 914 x 419 x 343	345.9	911.8	418.5	19.4	32	2	432.4	847.8	843.8
UB 914 x 419 x 388	391.4	921	420.5	21.4	36.6	2	489.3	847.8	843.8
UB 1016 x 305 x 222	220.1	970	300	16	21.1	2	275.1	927.8	923.8
UB 1016 x 305 x 249	247.3	980	300	16.5	26	2	309.2	928.0	924.0
UB 1016 x 305 x 272	271.3	990	300	16.5	31	2	339.2	928.0	924.0
UB 1016 x 305 x 314	314.2	1000	300	19.1	35.9	2	392.8	928.2	924.2
UB 1016 x 305 x 350	350.0	1008	302	21.1	40	2	437.4	928.0	924.0
UB 1016 x 305 x 393	394.0	1016	303	24.4	43.9	2	492.6	928.2	924.2
UB 1016 x 305 x 415	416.8	1020	304	26	46	2	521.0	928.0	924.0
UB 1016 x 305 x 438	438.9	1026	305	26.9	49	2	548.6	928.0	924.0
UB 1016 x 305 x 494	497.1	1036	309	31	54	2	621.4	928.0	924.0
UB 1016 x 305 x 584	588.8	1056	314	36	64	2	736.0	928.0	924.0

\* Profiles are laser welded 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 914 x 305 x 345	619989.9	13149.3	15216.6	37.7	201.2	19507.7	1266.7	1998.0	6.7	82.1	1569.5	39617.4
UB 914 x 305 x 381	691176.4	14535.8	16891.4	37.8	223.1	21901.6	1413.0	2237.9	6.7	90.1	2099.5	44838.3
UB 914 x 305 x 425	782580.3	16286.8	18997.4	38.1	247.3	25182.6	1609.1	2556.4	6.8	100.3	2906.9	52072.4
UB 914 x 305 x 474	880088.3	18127.5	21259.6	38.3	277.3	28645.8	1813.0	2895.3	6.9	110.5	3953.3	59798.6
UB 914 x 305 x 521	976814.3	19914.7	23474.1	38.5	306.7	32125.2	2014.1	3231.9	7.0	120.1	5159.1	67738.0
UB 914 x 305 x 576	1096123.0	22077.0	26146.1	38.7	337.6	36506.9	2267.5	3651.0	7.1	132.3	6912.8	77869.2
UB 914 x 419 x 343	617107.3	13536.0	15269.7	37.8	172.0	39143.4	1870.7	2882.1	9.5	66.3	1106.7	75647.2
UB 914 x 419 x 388	710962.4	15438.9	17458.0	38.1	190.8	45424.6	2160.5	3332.9	9.6	75.5	1623.7	88688.1
UB 1016 x 305 x 222	391589.2	8074.0	9451.4	37.7	152.7	9526.7	635.1	1008.9	5.9	44.5	315.5	21373.5
UB 1016 x 305 x 249	464994.0	9489.7	10995.2	38.8	158.5	11734.8	782.3	1233.2	6.2	54.3	486.0	26620.9
UB 1016 x 305 x 272	537761.5	10863.9	12472.7	39.8	159.5	13984.8	932.3	1458.2	6.4	64.3	717.5	32073.9
UB 1016 x 305 x 314	628119.8	12562.4	14498.9	40.0	185.6	16208.9	1080.6	1700.2	6.4	74.1	1109.2	37539.7
UB 1016 x 305 x 350	706880.7	14025.4	16237.8	40.2	205.9	18435.1	1220.9	1927.4	6.5	82.3	1528.7	43015.0
UB 1016 x 305 x 393	791596.8	15582.6	18187.7	40.1	239.0	20466.0	1350.9	2153.4	6.4	90.1	2091.5	48084.3
UB 1016 x 305 x 415	837036.6	16412.5	19219.7	40.1	255.1	21675.1	1426.0	2282.4	6.5	94.3	2438.1	51084.0
UB 1016 x 305 x 438	893092.9	17409.2	20394.3	40.3	264.8	23321.6	1529.3	2447.0	6.5	100.3	2886.3	55293.4
UB 1016 x 305 x 494	1011874.7	19534.3	23061.4	40.4	306.6	26783.7	1733.6	2801.0	6.6	110.3	4019.0	64014.9
UB 1016 x 305 x 584	1229986.8	23295.2	27687.5	40.9	359.7	33384.0	2126.4	3455.8	6.7	130.3	6623.6	81242.1