HyneDesign Version 7.7.4.0 Structural Timber System Hyne & Son Pty Ltd - Products List Report - Hyne Product Version: HD7 AUS 2.1 Run On 15/02/2024

Hyne Beam 15 GLT Source data from Hyne & Son Pty Ltd

Hyne Be	am 15 GL	T 	Source o	data from	Hyne &	Son Pty L							
Product Name	Section Depth (mm)	Section Width (mm)	Section Weight (kg/m)	Cross Sectional Area (mm2)	Area (mm2)	Bending Stiffness EIxx (kN.m2)	Bending Stiffness EIyy (kN.m2)	Torsional Rigidity GJ (kN.m2)		Shear		Compr'n Stress f'c (MPa)	
130x65 165x65	130 165	65 65	5.5 7.0	8450 10725	5633 7150	184.5 377.2	46.1 58.5	8.0 11.1	38.0 38.0	4.2 4.2	20.0	33.0 33.0	1400 1870
195x65 230x65	195 230	65 65	8.2 9.7	12675 14950	8450 9967	622.5 1021.5	69.2 81.6	13.8 17.0	38.0 38.0	4.2 4.2	20.0	33.0 33.0	2260 2720
260x65	260	65	11.0	16900	11267	1475.7	92.2	19.7	38.0	4.2	20.0	33.0	
295x65 330x65	295 330	65 65	12.5 13.9	19175 214 A V	ailab	le spe	cial ⁷ ord	erzonly	38.0 38.0	4.2	20.0	33.0 33.0	3190 3430
360x65 395x65	360 395	65 65	15.2 16.7	23400 25675	15600 17117	3917.2 5174.3	127.7 140.1	28.6 31.8	38.0 38.0	4.2	20.0	33.0 33.0	4120 4450
425x65	425	65	18.0	27625	18417	6445.1	150.8	34.5	38.0	4.2	20.0	33.0	
460x65 495x65	460 495	65 65	19.4 20.9	29900 32175	19933 21450	8172.2 10183.1	163.2 175.6	37.6 40.7	38.0 38.0	4.2 4.2	20.0	33.0 33.0	6170 6600
130x85 165x85	130 165		7.2 9.1	11050 14025	7367 9350	241.2 493.2	103.1 130.9	15.5 22.4	38.0 38.0	4.2	20.0	33.0 33.0	
195x85	195	85	10.8	16575	11050	814.1	154.7	28.4	38.0	4.2	20.0	33.0	2940
230x85 260x85	230 260	85 85	12.7 14.4	19550 22100	13033 14733	1335.8 1929.7	182.4 206.2	35.4 41.4	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	3510 3770
295x85 330x85	295 330	85 85	16.3 18.2	25075 28050	16717 18700	2818.6 3945.6	234.0 261.8	48.4 55.5	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	3940 4420
360x85	360	85	19.9	30600	20400	5122.4	285.6	61.5	38.0	4.2	20.0	33.0	5470
395x85 425x85	395 425	85 85	21.8 23.5	33575 36125	22383 24083	6766.4 8428.2	313.3 337.1	68.5 74.5	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	5980 6480
460x85 495x85	460 495	85 85	25.4 27.3	39100 42075	26067 28050	10686.7 13316.3	364.9 392.7	81.5 88.6	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	6990 7520
525x85	525	85	29.0	44625	29750	15887.2	416.5	94.6	38.0	4.2	20.0	33.0	7980
560x85 590x85	560 590		30.9 32.6	47600 50150	31733 33433	19281.2 22548.9	444.2 468.0	101.6 107.6	38.0 38.0	4.2	20.0 20.0	33.0 33.0	8500 9060
625x85 655x85	625 655		34.5 36.2	53125 55675	35417 37117	26804.6 30852.7	495.8 519.6	114.6 120.7	38.0 38.0	4.2	20.0	33.0 33.0	9061 9062
690x85	690		38.1	58650	39100	36067.6	547.3	127.7	38.0	4.2	20.0	33.0	9063
725x85 760x85	725 760		40.1 42.0	61625 64600	41083 43067	41839.2 48195.9	575.1 602.9	134.7 141.7	38.0 38.0	4.2	20.0	33.0 33.0	9064 9065
790x85	790		43.6	67150	44767	54131.6	626.7	147.7	38.0	4.2	20.0	33.0	9066
			45.6 47.2	70125 72675	46750 48450	68622.7	654.4 678.2	154.8 160.8	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	9066 9067
890x85 920x85	890 920		49.2 50.8	75650 782 \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	50433	77399.7	706.0 nig1968rd	167.8 ot7obly	38.0 38.0	4.2 4.2	20.0	33.0 33.0	9068 9069
			52.8			le spec			38.0	4.2	20.0	33.0	9070
990x85 1020x85	990 1020		54.7 56.4	84150 8 6 700	56100 57800	106530.7 116511.8	785.3 809.1	187.9 193.9	38.0 38.0	4.2	20.0 20.0	33.0 33.0	9072 9073
1055x85 1090x85	1055 1090		58.3 60.2	89675 92650	59783 61767	128921.9 142183.4	836.9 864.6	200.9 207.9	38.0 38.0	4.2	20.0	33.0 33.0	9074 9075
1120x85	1120		61.9	95200	63467	154249.4	888.4	213.9	38.0	4.2	20.0	33.0	9076
	1155 1190		63.8 65.7	98175 101150	65450 67433	169166.9 185016.4	916.2 944.0	221.0 228.0	38.0 38.0	4.2	20.0	33.0 33.0	9077 9078
130x130 165x130	130 165	130 130	11.0 13.9	16900 21450	11267 14300	368.9 754.3	368.9 468.2	39.4 61.5	38.0 38.0	4.2	20.0	33.0 33.0	2670 3500
195x130	195	130	16.5	25350	16900	1245.1	553.4	82.1	38.0	4.2	20.0	33.0	4900
230x130 260x130	230 260	130 130	19.4 22.0	29900 33800	19933 22533	2043.0 2951.3	652.7 737.8	106.8 128.1	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	5210 5480
295x130 330x130	295 330	130 130	24.9 27.9	38350 42900	25567 28600	4310.8 6034.4	837.1 936.5	153.1 178.2	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	6030 6840
360x130		130	30.4	46800	31200	7834.3	1021.6	199.7	38.0	4.2	20.0	33.0	7380
425x130	425	130	35.9	55250	36833	12890.2	1206.1	246.3	38.0	4.2	20.0	33.0	9010
460x130 495x130			38.9 41.8	59800 64350	39867 42900	16344.3 20366.2	1305.4 1404.7	271.4 296.5	38.0 38.0	4.2	20.0	33.0 33.0	9920 10700
525x130		130	44.4	68250	45500	24298.1	1489.8 1589.2	318.0	38.0	4.2	20.0	33.0	11340
560x130 590x130	560 590	130 130	47.3 49.9	72800 76700	48533 51133	29488.9 34486.6	1674.3	343.1 364.7	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	12100 12750
625x130 655x130	590 655	130 130	49.9 55.3	76700 85150	51133 56767	34486.6 47186.5	1674.3 1858.8	364.7 411.3	38.0 38.0	4.2 4.2	20.0	33.0 33.0	12750 12750
690x130	690	130	58.3	89700 18980	59800	55162.1	1958.1	436.4	38.0	4.2	20.0	33.0	
130x146 165x146	165	146 146	12.3 15.7	24090	12653 16060	414.3 847.1	522.6 663.3	51.0 79.0	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	12750 12750
195×146 230×146		146 146	18.5 21.8	28470 33580	18980 22387	1398.3 2294.5	783.9 924.6	107.2 141.6	38.0 38.0	4.2 4.2	20.0	33.0 33.0	12750 12750
265x146	260	146	24.7	37960	25307	3314.5	1045.2	171.6	38.0	4.2	20.0	33.0	12750
295x146 330x146		146 146	28.0 31.3	43070 48180	28713 32120	6777.1	1185.9 1326.5	206.9 242.3	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	12750 12750
360x146 395x146		146 146	34.2 37.5	52560 57670	35040 38447	8798.5 11622.4	1447.1 1587.8	272.7 308.2	38.0 38.0	4.2	20.0	33.0 33.0	12750 12750
425x146	425	146	40.3	62050	41367	14476.7	1708.4	338.7	38.0	4.2	20.0	33.0	12750
460x146 495x146	495	146 146	43.7 47.0	67160 722 <u>7</u> 0	44773 48180	18355.9 22872.8	1849.1 1989.8	374.2 409.8	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	12750 12750
525x146 560x146		146 146	49.8 53.1	76 A V	ailab	1e,399,60	ial ord	er only	38.0 38.0	4.2	20.0	33.0 33.0	12750 12750
590x146	590	146	56.0	86140	57427	38731.1	2371.7	506.3	38.0	4.2	20.0	33.0	12750
625x146 655x146		146 146	59.3 62.2	91250 95630	60833 63753	52994.1	2512.4 2633.0	541.9 572.4	38.0 38.0	4.2 4.2	20.0	33.0 33.0	12750 12750
690x146 165x166	690	146 166	65.5 17.8	100740 27390			2773.7 974.9	608.0 103.6	38.0 38.0	4.2	20.0	33.0 33.0	12750 12750
195x166	195	166	21.0		21580	1589.9	1152.2	142.0	38.0	4.2	20.0	33.0	12750
230x166 265x166		166 166	24.8 28.1	38180 43160	25453 28773	2608.8 3768.6	1358.9 1536.2	190.9 234.4	38.0 38.0	4.2 4.2	20.0	33.0 33.0	12750 12750
295x166	295	166 166	31.8	48970 54780	32647	5504.6	1743.0	285.8 337.7	38.0	4.2	20.0	33.0	12750 12750
330x166 360x166	360	166	35.6 38.8	59760	36520 39840	7705.5 10003.8	1949.8 2127.0	382.3	38.0 38.0	4.2	20.0	33.0 33.0	
395x166 425x166		166 166	42.6 45.9	65570 70550	43713 47033	13214.5 16459.8	2333.8 2511.1	434.4 479.1	38.0 38.0	4.2	20.0	33.0 33.0	12750 12750
460x166	460	166	49.6	76360	50907	20870.5	2717.9	531.3	38.0	4.2	20.0	33.0	
495x166 525x166		166 166	53.4 56.6	82170 87150	54780 58100	26006.0 31026.8	2924.7 3101.9	583.6 628.4	38.0 38.0	4.2 4.2	20.0 20.0	33.0 33.0	12750 12750
560x166		166	60.4	92960	61973	37655.0	3308.7	680.6	38.0	4.2	20.0	33.0	12750

	T. 1	0	Creep	urahilitu	r Flooti	aitu Diai	Bear	ing Bearin llel Perpend	g Shear 'r GJoint	r Tensi	on List	of	Standa: Treatmer
				TIMPER E	naineer	na Prope	rries					reatment	Details
90x249	690	249	111.7	171810	114540	105656.7	13759.3	2689.8	38.0	4.2	20.0	33.0	12750
55x249	655	249	106.0	163095		90380.3	13061.4	2513.5	38.0	4.2	20.0	33.0	12750
25x249	625	249	101.2	155625		78521.7	12463.2	2362.5	38.0	4.2	20.0	33.0	12750
90x249	590	249	95.5	146910	97940	66055.0	11765.2	2186.4	38.0	4.2	20.0	33.0	12750
60x249	560	249	90.6	139440	92960	56482.5	11167.0	2035.6	38.0	4.2	20.0	33.0	12750
25x249		249	85.0				10469.1	1859.9	38.0	4.2	20.0	33.0	
95x249	495	249	80.1		82170	39009.1	9870.8	1709.5	38.0	4.2	20.0	33.0	
60x249	460	249	74.5	114540	76360	31305.7	9172.9	1534.4	38.0	4.2	20.0	33.0	
25x249	425	249	68.8			24689.7	8475.0	1360.0	38.0	4.2	20.0	33.0	
95x249	395	249	63.9	98355	65570	19821.7	7876.7	1211.3	38.0	4.2	20.0	33.0	
60x249	360	249	58.3	89640	59760	15005.7	7178.8	1039.5	38.0	4.2	20.0	33.0	12750
30x249		249	53.4	82170	54780	11558.2	6580.6	894.5	38.0	4.2	20.0	33.0	12750
95x249	295	249	47.7	73455	48970	8256.9	5882.6	730.1	38.0	4.2	20.0	33.0	12750
65x249	260	249	42.1	64740	43160	5652.9	5184.7	575.6	38.0	4.2	20.0	33.0	12750
90x209	690	209	93.7	144210	96140	88683.7	8136.5	1665.4	38.0	4.2	20.0	33.0	
55x209	655	209	89.0	136895	91263	75861.4	7723.8	1561.0	38.0	4.2	20.0	33.0	12750
90x209 25x209	625	209	84.9	130625	87083	65907.8	7370.0	1367.4 1471.6	38.0	4.2	20.0	33.0	12750
60x209	560 590	209 209	76.1 80.2	117040 123310		47409.0 55443.8	6603.5 6957.3	1278.0	38.0 38.0	4.2	20.0	33.0 33.0	12750 12750
25x209		209	71.3	109725		39063.8	6190.8	1173.8	38.0	4.2	20.0	33.0	12750
95x209	495	209	67.2	103455	68970	32742.5	5837.1	1084.6	38.0	4.2	20.0	33.0	12750
60x209	460	209	62.5	96140	64093	26276.7	5424.3	980.6	38.0	4.2	20.0	33.0	12750
25x209	425	209	57.7	88825	59217	20723.5	5011.6	876.7	38.0	4.2	20.0	33.0	12750
95x209	395	209	53.7						38.0	4.2	20.0	33.0	12750
60x209	360	209	48.9	752 /-\\ \	anap	ie spe	cial or	der only	38.0	4.2	20.0	33.0	12750
30x209		209	44.8	68970	45980	9701.5	3891.4	596.7	38.0	4.2	20.0	33.0	12750
95x209	295	209	40.1	61655	41103	6930.5	3478.7	495.3	38.0	4.2	20.0	33.0	12750
65x209	260	209	35.3	54340	36227	4744.8	3065.9	396.4	38.0	4.2	20.0	33.0	12750
30x209		209	31.2	48070	32047	3284.6	2712.2	315.6	38.0	4.2	20.0	33.0	12750
90x186	690	186	83.4	128340	85560	78924.3	5735.1	1204.2	38.0	4.2	20.0	33.0	12750
55x186	655	186	79.2	121830	81220	67513.0	5444.2	1130.7	38.0	4.2	20.0	33.0	12750
25x186	625	186	75.6	116250		58654.8	5194.8	1067.6	38.0	4.2	20.0	33.0	12750
90x186	590	186	71.3	109740		49342.3	4903.9	994.1	38.0	4.2	20.0	33.0	12750
60x186	560	186	63.5	97650	65100	34764.9	4363.6	857.6	38.0	4.2	20.0	33.0	12750
25x186		186	59.8	92070	61380	29139.3	4114.3	794.6	38.0	4.2	20.0	33.0	
95x186	495	186	55.6	85560	57040	23385.0	3823.4	721.2	38.0	4.2	20.0	33.0	12750
60x186	460	186	51.4	79050		18442.9	3532.5	647.8	38.0	4.2	20.0	33.0	12750
25x186	425	186	47.8	73470	48980	14806.6	3283.1	585.0	38.0	4.2	20.0	33.0	12750
95x186	395	186	43.5	66960	44640	11209.1	2992.2	511.9	38.0	4.2	20.0	33.0	
60x186	360	186	39.9	61380	40920	8633.9	2742.9	449.4	38.0	4.2	20.0	33.0	
30x186		186	35.7	54870	36580	6167.8	2451.9	377.0	38.0	4.2	20.0	33.0	
95x186	295	186	31.4	48360	32240	4222.6	2161.0	305.6	38.0	4.2	20.0	33.0	
65x186	260	186	27.8	42780	28520	2923.1	1911.7	245.9	38.0	4.2	20.0	33.0	
30x186		186	23.6	36270	24180	1781.4	1620.8	180.6	38.0	4.2	20.0	33.0	
95x186	195	186	19.9	30690	20460	1079.2	1371.4	133.7	38.0	4.2	20.0	33.0	
90x166	690	166	74.5	114540	76360	70437.8	4076.8	874.8	38.0	4.2	20.0	33.0	
5x166	655	166	70.7		69167 72487	60253.5	3870.0	777.7 822.5	38.0 38.0	4.2 4.2	20.0	33.0 33.0	12750 12750

Timber Engineering Properties										Treatment Details		
	Joint Group		Creep Factor j2	Durability	Elasticity E (MPa)						List of Treatments Levels Available	Standard Treatment Level
SD6	JD4	Yes	1.5	4	15500	980	30.0	10.0	4.2	0.5	Н2, Н3	Н3

Product	Lamination	Camber		
Type	Thickness	Radius		
	(mm)	(m)		
Hyma Doom 15	CIM 22			

Note: All engineering properties and structural design values are in accordance with AS1720.1-2010