HYNE Beam 17 **Source data from Hyne & Son Pty Ltd**

Product Name	Section Depth (mm)	Section Width (mm)	Section Weight (kg/m)	Cross Sectional Area (mm2)	Shear Area (mm2)	Bending Stiffness EIxx (kN.m2)	Bending Stiffness EIyy (kN.m2)	Torsional Rigidity GJ (kN.m2)	Bending Stress f'b (MPa)	Shear Stress f's (MPa)	Tension Stress f't (MPa)	Compr'n Stress f'c (MPa)	Selection Ratio
195x85	195	85	10.8	16575	11050	877.1	166.7	32.1	40.0	4.2	20.0	33.0	11
230x85	230	85	12.7	19550	13033	1439.3	196.6	40.1	40.0	4.2	20.0	33.0	13
260x85	260	85	14.4	22100	14733	2079.1	222.2	46.9	40.0	4.2	20.0	33.0	14
295x85	295	85	16.3	25075	16717	3036.8	252.1	54.9	40.0	4.2	20.0	33.0	16
330x85	330	85	18.2	28050	18700	4251.0	282.0	62.8	40.0	4.2	20.0	33.0	18
360x85	360	85	19.9	30600	20400	5519.0	307.7	69.6	40.0	4.2	20.0	33.0	20
395x85	395	85	21.8	33575	22383	7290.3	337.6	77.6	40.0	4.2	20.0	33.0	22
425x85	425	85	23.5	36125	24083	9080.7	363.2	84.4	40.0	4.2	20.0	33.0	23
460x85	460	85	25.4	39100	26067	11514.0	393.1	92.4	40.0	4.2	20.0	33.0	25
495x85	495	85	27.3	42075	28050	14347.3	423.1	100.3	40.0	4.2	20.0	33.0	27
525x85	525	85	29.0	44625	29750	17117.2	448.7	107.1	40.0	4.2	20.0	33.0	29
560x85	560	85	30.9	47600	31733	20773.9	478.6	115.1	40.0	4.2	20.0	33.0	31
590x85	590	85	32.6	50150	33433	24294.6	504.2	121.9	40.0	4.2	20.0	33.0	33
130x130	130	130	11.0	17550	11700	412.8	445.1	40.9	40.0	4.2	20.0	33.0	11
165x130	165	130	13.9	22275	14850	844.0	565.0	72.8	40.0	4.2	20.0	33.0	14
195x130	195	130	16.5	26325	17550	1393.1	667.7	100.1	40.0	4.2	20.0	33.0	16
230x130	230	130	19.4	31050	20700	2285.9	787.5	132.0	40.0	4.2	20.0	33.0	19
260x130	260	130	22.0	35100	23400	3302.1	890.2	159.3	40.0	4.2	20.0	33.0	22
295x130	295	130	24.9	39825	26550	4823.2	1010.1	191.1	40.0	4.2	20.0	33.0	25
330x130	330	130	27.9	44550	29700	6751.7	1129.9	223.0	40.0	4.2	20.0	33.0	28
360x130	360	130	30.4	48600	32400	8765.5	1232.6	250.3	40.0	4.2	20.0	33.0	30
395x130	395	130	33.4	53325	35550	11578.7	1352.5	282.2	40.0	4.2	20.0	33.0	33
425x130	425	130	35.9	57375	38250	14422.3	1455.2	309.5	40.0	4.2	20.0	33.0	36
460x130	460	130	38.9	62100	41400	18287.0	1575.1	341.3	40.0	4.2	20.0	33.0	39
495x130	495	130	41.8	66825	44550	22786.9	1694.9	373.2	40.0	4.2	20.0	33.0	42
525x130	525	130	44.4	70875	47250	27186.1	1797.6	400.5	40.0	4.2	20.0	33.0	44

Timber Engineering Properties											Treatment Details	
Strength Group	Joint Group	Seasoned	Creep Factor j2	Durability	Elasticity E (MPa)	Rigidity G (MPa)	Bearing Parallel f'l (MPa)	Bearing Perpend'r f'p (MPa)	Shear @Joints f'sj (MPa)	Tension Perp'r f'tp (MPa)	List of Treatments Levels Available	Standard Treatment Level
SD5	JD4	Yes	1.5	4	16700	1110	40.0	13.0	5.4	0.5	H2, H3	H3.1

Product Type	Lamination Thickness (mm)	Camber Radius (m)
HYNE Beam 17	33	600

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