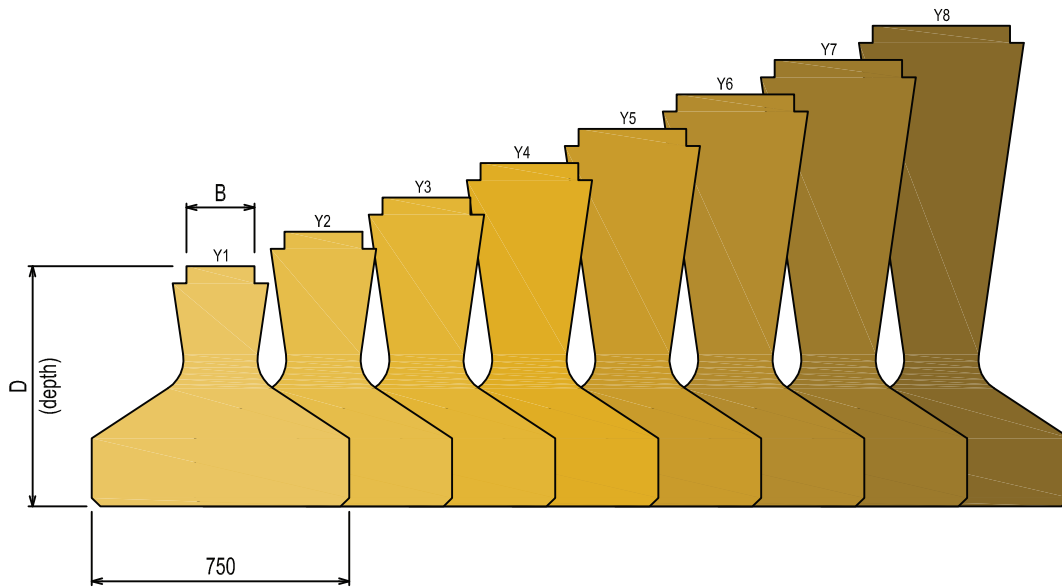


Precast Y Beam



Y-BEAM SECTIONS

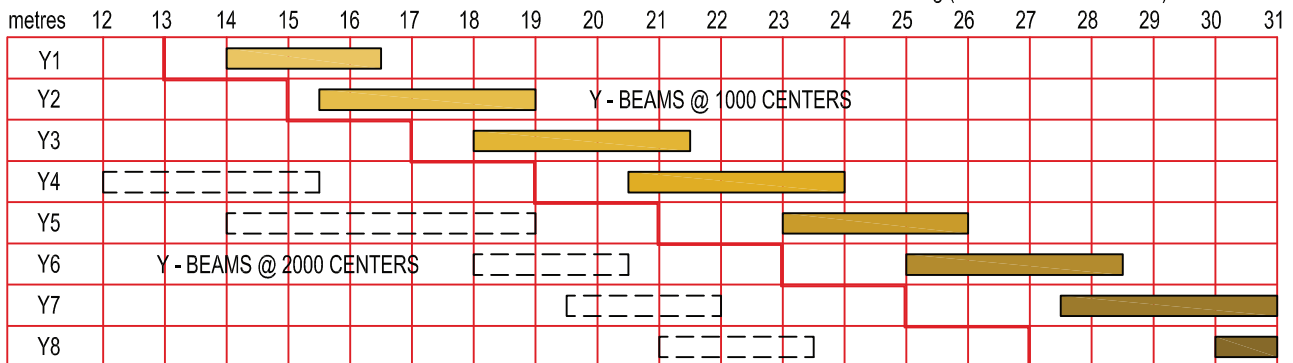
SECTION PROPERTIES

Design self weight per unit has been taken as 24kN/m³

Section No	Depth [mm]	B [mm]	Area [mm ²]	Height centroid above soffit Yb [mm]	Section modulus		Second moment of area [mm ⁴ x 10 ⁹]	Approximate self weight [kN/m]
					Zt (top) [mm ³ x 10 ⁶]	Zb (bottom) [mm ³ x 10 ⁶]		
Y1	700	198.1	310140	255.0	24.88	43.42	11.073	7.44
Y2	800	227.0	340830	298.4	35.07	58.96	17.593	8.18
Y3	900	255.8	374420	346.8	47.95	76.51	26.530	8.99
Y4	1000	284.7	410880	399.3	63.63	95.72	38.220	9.86
Y5	1100	313.5	450230	455.2	82.19	116.40	52.990	10.81
Y6	1200	342.3	492460	514.0	103.73	138.45	71.160	11.82
Y7	1300	371.2	537580	575.0	128.35	161.83	93.052	12.90
Y8	1400	400.0	585580	637.8	156.12	186.56	118.990	14.05

SPAN LOADING

45 units HB Loading (inc 2.4kN/m² for finishes)



Structural Precast
 Concrete Contractors
 Hazelhatch Road, Newcastle, Co. Dublin
 Tel: (01) 6288055 Fax: (01) 6272326 / 6288104
 Email: info@concast.ie
 www.concast.ie

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