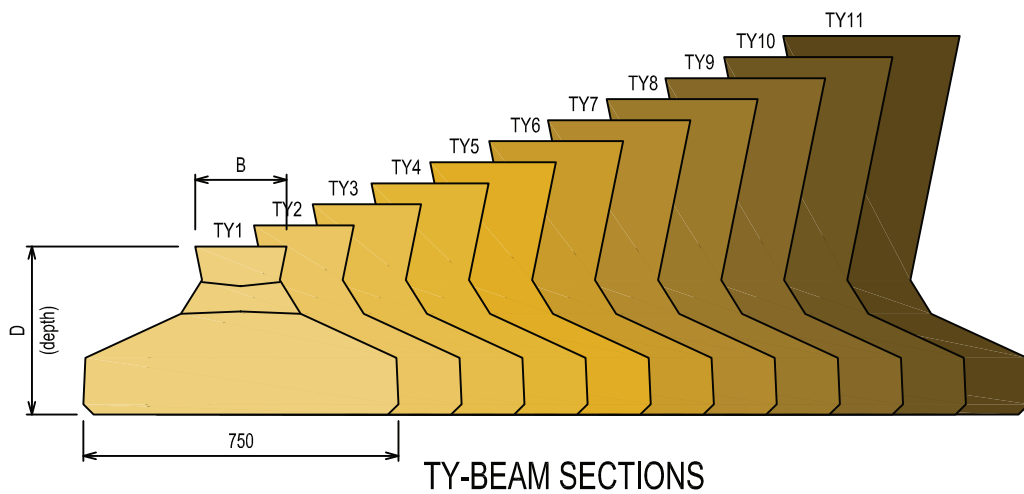


Precast TY Beam



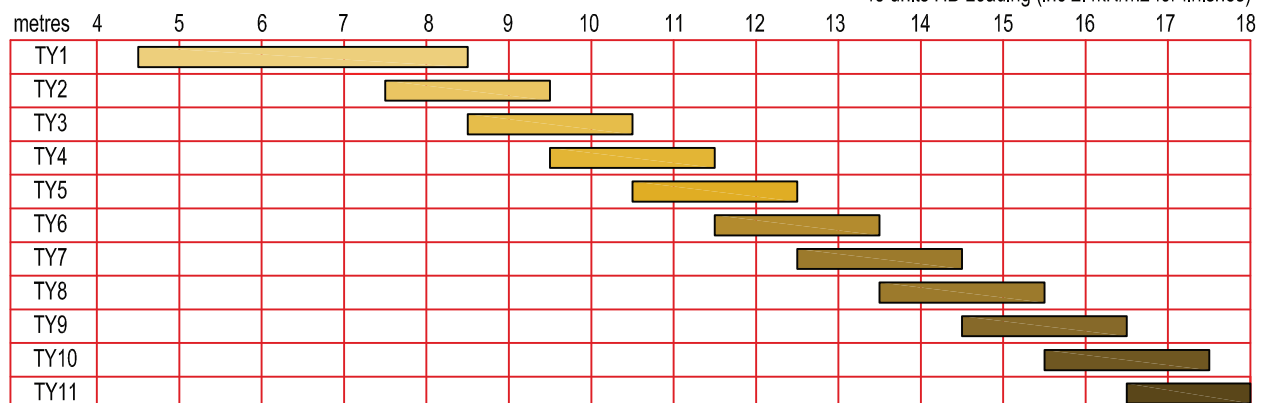
SECTION PROPERTIES

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]		
TY1	400	218	188663	145.5	7.69	13.46	1.9581	4.53
TY2	450	238	200046	161.4	9.71	17.35	2.8011	4.80
TY3	500	258	212444	179.7	12.35	22.00	3.9538	5.10
TY4	550	279	225858	200.2	15.62	27.28	5.4630	5.43
TY5	600	299	240288	222.7	19.54	33.10	7.3730	5.77
TY6	650	319	255733	247.0	24.14	39.38	9.7266	6.14
TY7	700	339	272194	272.9	29.42	46.04	12.565	6.54
TY8	750	360	289671	300.2	35.41	53.06	15.926	6.96
TY9	800	380	308163	328.6	42.11	60.40	19.851	7.40
TY10	850	400	327671	358.2	49.56	68.05	24.375	7.87
TY11	900	421	348244	388.6	57.76	76.01	29.539	8.36

SPAN LOADING

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



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