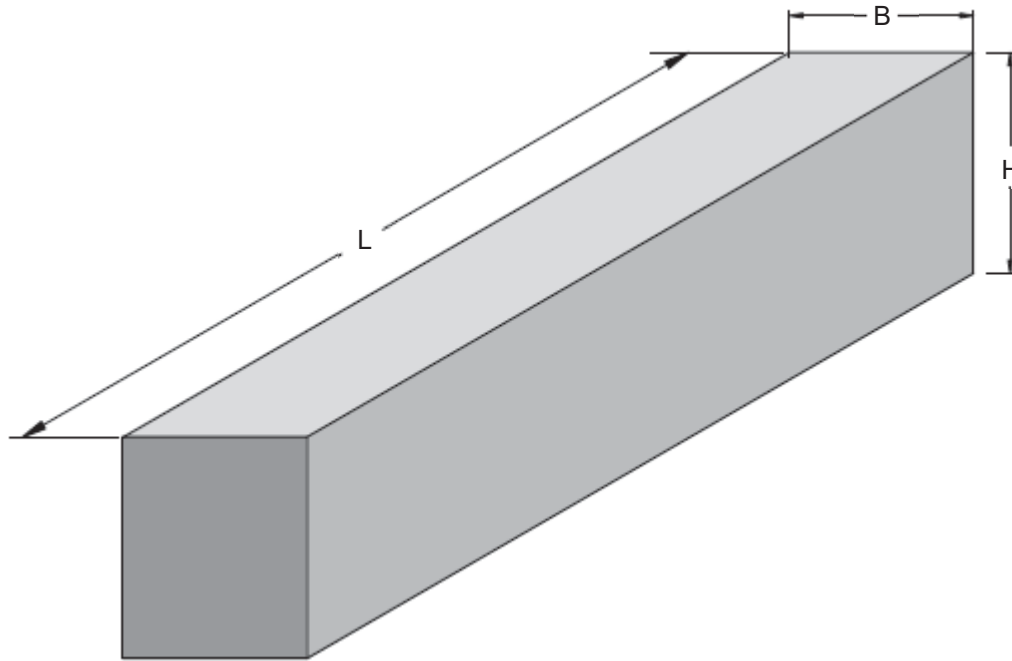


PRECAST BEAM – RECTANGULAR BEAM (SIMPLY SUPPORTED)

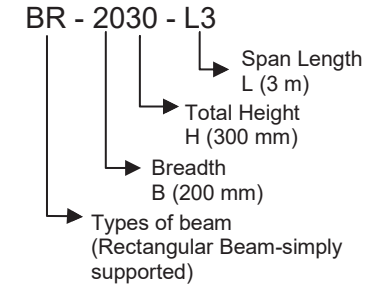


Simply supported beam – 3D view

Concrete cover schedule

Beam Breadth, B (mm)	Concrete cover to main reinforcement, C (mm)
200	50
250	40
300	35

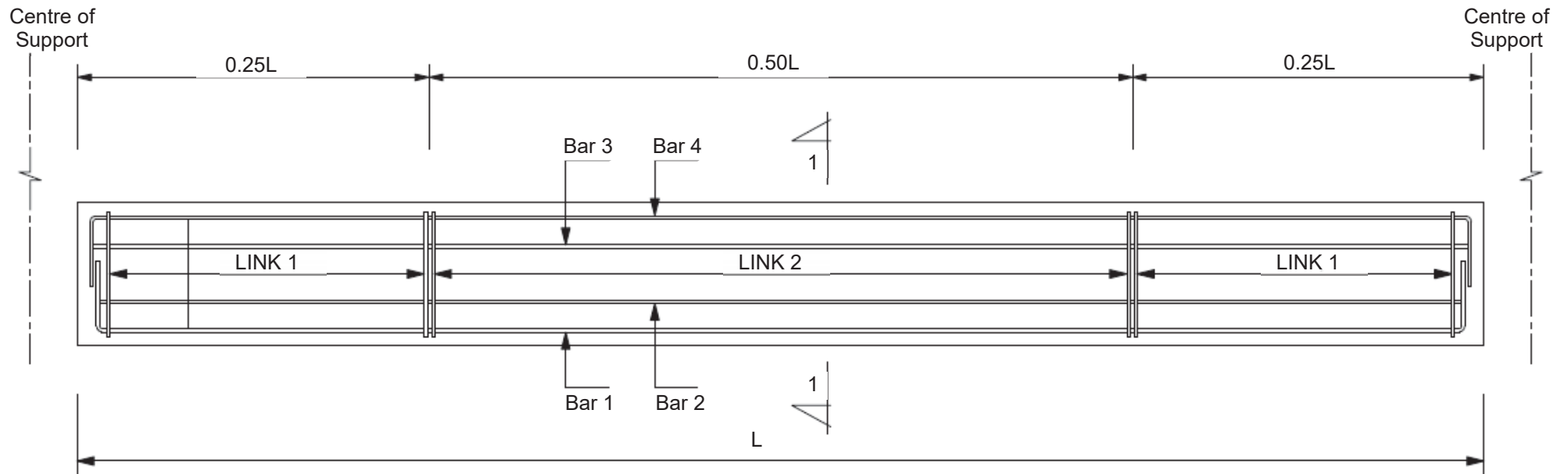
CODE OF COMPONENTS



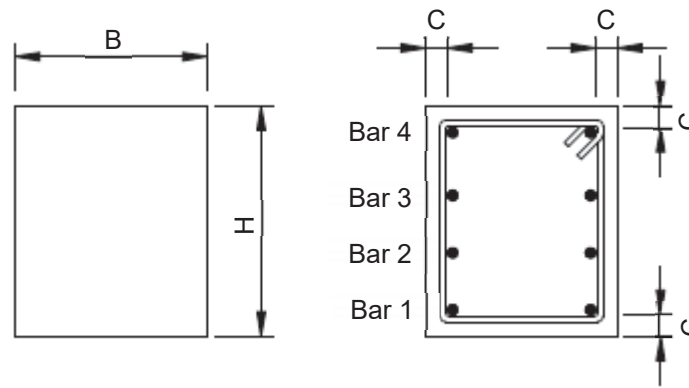
Specification

- a. Minimum concrete grade C35 (Precast and cast in-situ concrete) at final stage design.
- b. Minimum concrete compressive strength of 15 N/mm² for first lifting.
- c. The position of lifting hook at distance of 0.2L from end of beam and to be advised and checked by competent person.
- d. Minimum concrete compressive strength of 25 N/mm² for installation stage.
- e. Concrete cover to main reinforcement = 35mm.
- f. Fire resistance = 2 hours.
- g. Characteristic of steel reinforcement
High tensile (T) $f_y = 460 \text{ N/mm}^2$
Mild steel (R) $f_{yv} = 250 \text{ N/mm}^2$
- h. The beam are designed as simply supported and unpropped beam during installation stage and continuous unpropped beam during final stage.
- i. Load should be uniformly distributed.
- j. During installation stage, perimeter beam is designed to support selfweight of beam only.
- k. M_r and V_r are calculated based on ultimate uniformly distributed load.
- l. The application of concentrated load area on precast element shall be referred to competent person.
- m. The connection system between precast component and cast in-situ structure shall be referred to competent person.
- n. The design has been prepared in accordance with the BS 8110 (1997).

PRECAST BEAM – RECTANGULAR BEAM (SIMPLY SUPPORTED) DETAILS



Elevation
Reinforcement arrangement



Cross section 1-1

Table 1

For span **L=3m** (the data shall applies for span length, L equal or less than 3m subjected to moment and shear capacity required)

Codes of Components	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-2030-L3	200	300	17	19	25	2T12	-	-	2T12	1R10-250	1R10-250
BR-2035-L3	200	350	20	23	30	2T12	-	-	2T12	1R10-250	1R10-250
BR-2040-L3	200	400	24	27	35	2T12	-	-	2T12	1R10-250	1R10-250
BR-2045-L3	200	450	27	30	41	2T12	-	-	2T12	1R10-250	1R10-250
BR-2050-L3	200	500	30	34	46	2T12	-	-	2T12	1R10-250	1R10-250
BR-2055-L3	200	550	34	38	51	2T12	-	-	2T12	1R10-250	1R10-250
BR-2060-L3	200	600	37	42	56	2T12	-	-	2T12	1R10-250	1R10-250
BR-2065-L3	200	650	41	46	61	2T12	-	-	2T12	1R10-250	1R10-250
BR-2070-L3	200	700	44	50	66	2T12	-	-	2T12	1R10-250	1R10-250
BR-2075-L3	200	750	48	54	71	2T12	2T12	2T12	2T12	1R10-250	1R10-250
BR-2080-L3	200	800	51	57	76	2T12	2T12	2T12	2T12	1R10-250	1R10-250
BR-2530-L3	250	300	26	29	39	3T12	-	-	2T12	1R10-250	1R10-250
BR-2535-L3	250	350	31	35	46	3T12	-	-	2T12	1R10-250	1R10-250
BR-2540-L3	250	400	36	40	54	3T12	-	-	2T12	1R10-250	1R10-250
BR-2545-L3	250	450	41	46	62	3T12	-	-	2T12	1R10-250	1R10-250
BR-2550-L3	250	500	46	52	69	3T12	-	-	2T12	1R10-250	1R10-250
BR-2555-L3	250	550	51	58	77	3T12	-	-	2T12	1R10-250	1R10-250
BR-2560-L3	250	600	57	64	85	3T12	-	-	2T16	1R10-250	1R10-250
BR-2565-L3	250	650	61	69	93	3T12	-	-	2T16	1R10-250	1R10-250
BR-2570-L3	250	700	67	75	100	3T12	-	-	2T16	1R10-250	1R10-250
BR-2575-L3	250	750	72	81	108	3T12	2T12	2T12	2T16	1R10-250	1R10-250
BR-2580-L3	250	800	77	87	116	3T12	2T12	2T12	2T16	1R10-250	1R10-250
BR-3030-L3	300	300	34	39	51	4T12	-	-	2T16	1R10-250	1R10-250
BR-3035-L3	300	350	41	46	62	4T12	-	-	2T16	1R10-250	1R10-250

Codes of Components	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-3040-L3	300	400	48	54	72	4T12	-	-	2T16	1R10-250	1R10-250
BR-3045-L3	300	450	55	62	82	4T12	-	-	2T16	1R10-250	1R10-250
BR-3050-L3	300	500	61	69	93	4T12	-	-	2T16	1R10-250	1R10-250
BR-3055-L3	300	550	68	77	103	4T12	-	-	2T16	1R10-250	1R10-250
BR-3060-L3	300	600	75	85	113	4T12	-	-	2T16	1R10-250	1R10-250
BR-3065-L3	300	650	82	93	123	4T12	-	-	2T16	1R10-250	1R10-250
BR-3070-L3	300	700	89	100	134	4T12	-	-	2T16	1R10-250	1R10-250
BR-3075-L3	300	750	96	108	144	4T12	2T12	2T12	2T16	1R10-250	1R10-250
BR-3080-L3	300	800	103	116	154	4T12	2T12	2T12	2T16	1R10-250	1R10-250
BR-3580-L3	350	800	105	120	156	4T16	2T16	2T16	2T16	1R10-250	1R10-250

For reinforcement arrangement refer to page 55 - page 56

Table 2

For span **L=4m** (the data shall applies for span length, L equal or less than 4m subjected to moment and shear capacity required)

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-2030-L4	200	300	17	34	34	2T16	-	-	2T12	1R10-250	1R10-250
BR-2035-L4	200	350	21	41	41	2T16	-	-	2T12	1R10-250	1R10-250
BR-2040-L4	200	400	24	48	48	2T16	-	-	2T12	1R10-250	1R10-250
BR-2045-L4	200	450	27	55	55	2T16	-	-	2T12	1R10-250	1R10-250
BR-2050-L4	200	500	31	62	62	2T16	-	-	2T12	1R10-250	1R10-250
BR-2055-L4	200	550	34	69	69	2T16	-	-	2T12	1R10-250	1R10-250
BR-2060-L4	200	600	38	75	75	2T16	-	-	2T12	1R10-250	1R10-250
BR-2065-L4	200	650	41	82	82	2T16	-	-	2T12	1R10-250	1R10-250
BR-2070-L4	200	700	45	89	89	2T16	-	-	2T12	1R10-250	1R10-250
BR-2075-L4	200	750	48	96	96	2T16	2T16	2T16	2T12	1R10-250	1R10-250
BR-2080-L4	200	800	51	103	103	2T16	2T16	2T16	2T12	1R10-250	1R10-250
BR-2530-L4	250	300	26	51	51	3T16	-	-	2T12	1R10-250	1R10-250
BR-2535-L4	250	350	31	62	62	3T16	-	-	2T12	1R10-250	1R10-250
BR-2540-L4	250	400	36	72	72	3T16	-	-	2T12	1R10-250	1R10-250
BR-2545-L4	250	450	41	82	82	3T16	-	-	2T12	1R10-250	1R10-250
BR-2550-L4	250	500	46	93	93	3T16	-	-	2T12	1R10-250	1R10-250
BR-2555-L4	250	550	51	103	103	3T16	-	-	2T12	1R10-250	1R10-250
BR-2560-L4	250	600	57	113	113	3T16	-	-	2T16	1R10-250	1R10-250
BR-2565-L4	250	650	62	123	123	3T16	-	-	2T16	1R10-250	1R10-250
BR-2570-L4	250	700	67	134	134	3T16	-	-	2T16	1R10-250	1R10-250
BR-2575-L4	250	750	72	144	144	3T16	2T16	2T16	2T16	1R10-250	1R10-250
BR-2580-L4	250	800	77	154	154	3T16	2T16	2T16	2T16	1R10-250	1R10-250
BR-3030-L4	300	300	34	69	69	4T16	-	-	2T16	1R10-250	1R10-250
BR-3035-L4	300	350	41	82	82	4T16	-	-	2T16	1R10-250	1R10-250

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-3040-L4	300	400	48	96	96	4T16	-	-	2T16	1R10-250	1R10-250
BR-3045-L4	300	450	55	110	110	4T16	-	-	2T16	1R10-250	1R10-250
BR-3050-L4	300	500	62	123	123	4T16	-	-	2T16	1R10-250	1R10-250
BR-3055-L4	300	550	69	137	137	4T16	-	-	2T16	1R10-250	1R10-250
BR-3060-L4	300	600	75	151	151	4T16	-	-	2T16	1R10-250	1R10-250
BR-3065-L4	300	650	82	164	164	4T16	-	-	2T16	1R10-250	1R10-250
BR-3070-L4	300	700	89	178	178	4T16	-	-	2T16	1R10-250	1R10-250
BR-3075-L4	300	750	96	192	192	4T16	2T16	2T16	2T16	1R10-250	1R10-250
BR-3080-L4	300	800	103	206	206	4T16	2T16	2T16	2T16	1R10-250	1R10-250
BR-3580-L4	350	800	105	210	210	4T16	2T16	2T16	2T16	1R10-250	1R10-250

For reinforcement arrangement refer to page 55 - page 56

Table 3

For span **L=5m** (the data shall applies for span length, L equal or less than 5m subjected to moment and shear capacity required)

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-2035-L5	200	350	20	62	49	3T16	-	-	2T12	1R10-250	1R10-250
BR-2040-L5	200	400	23	72	57	3T16	-	-	2T12	1R10-250	1R10-250
BR-2045-L5	200	450	26	82	65	3T16	-	-	2T12	1R10-250	1R10-250
BR-2050-L5	200	500	30	93	74	3T16	-	-	2T12	1R10-250	1R10-250
BR-2055-L5	200	550	33	103	82	3T16	-	-	2T12	1R10-250	1R10-250
BR-2060-L5	200	600	36	113	90	3T16	-	-	2T12	1R10-250	1R10-250
BR-2065-L5	200	650	39	123	98	3T16	-	-	2T12	1R10-250	1R10-250
BR-2070-L5	200	700	43	134	107	3T16	-	-	2T12	1R10-250	1R10-250
BR-2075-L5	200	750	46	144	115	3T16	2T16	2T16	2T12	1R10-250	1R10-250
BR-2080-L5	200	800	49	154	123	3T16	2T16	2T16	2T12	1R10-250	1R10-250
BR-2535-L5	250	350	26	82	65	4T16	-	-	2T12	1R10-250	1R10-250
BR-2540-L5	250	400	31	96	76	4T16	-	-	2T12	1R10-250	1R10-250
BR-2545-L5	250	450	35	110	88	4T16	-	-	2T12	1R10-250	1R10-250
BR-2550-L5	250	500	39	123	98	4T16	-	-	2T12	1R10-250	1R10-250
BR-2555-L5	250	550	44	137	109	4T16	-	-	2T12	1R10-250	1R10-250
BR-2560-L5	250	600	48	151	120	4T16	-	-	2T16	1R10-250	1R10-250
BR-2565-L5	250	650	52	164	131	4T16	-	-	2T16	1R10-250	1R10-250
BR-2570-L5	250	700	57	178	142	4T16	-	-	2T16	1R10-250	1R10-250
BR-2575-L5	250	750	61	192	153	4T16	2T16	2T16	2T16	1R10-250	1R10-250
BR-2580-L5	250	800	66	206	164	4T16	2T16	2T16	2T16	1R10-250	1R10-250
BR-3035-L5	300	350	33	103	82	5T16	-	-	2T16	1R10-250	1R10-250
BR-3040-L5	300	400	38	120	96	5T16	-	-	2T16	1R10-250	1R10-250
BR-3045-L5	300	450	44	137	109	5T16	-	-	2T16	1R10-250	1R10-250
BR-3050-L5	300	500	49	154	123	5T16	-	-	2T16	1R10-250	1R10-250

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-3055-L5	300	550	55	171	136	5T16	-	-	2T16	1R10-250	1R10-250
BR-3060-L5	300	600	60	188	150	5T16	-	-	2T16	1R10-250	1R10-250
BR-3065-L5	300	650	66	206	164	5T16	-	-	2T16	1R10-250	1R10-250
BR-3070-L5	300	700	71	223	178	5T16	-	-	2T16	1R10-250	1R10-250
BR-3075-L5	300	750	77	240	192	5T16	2T16	2T16	2T16	1R10-250	1R10-250
BR-3080-L5	300	800	82	257	205	5T16	2T16	2T16	2T16	1R10-250	1R10-250
BR-3580-L5	350	800	85	260	210	5T16	2T16	2T16	2T16	1R10-250	1R10-250

For reinforcement arrangement refer to page 55 - page 56

Table 4

For span **L=6m** (the data shall applies for span length, L equal or less than 6m subjected to moment and shear capacity required)

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-2040-L6	200	400	17	75	50	2T20	-	-	2T12	1R10-250	1R10-250
BR-2045-L6	200	450	19	86	57	2T20	-	-	2T12	1R10-250	1R10-250
BR-2050-L6	200	500	21	96	64	2T20	-	-	2T12	1R10-250	1R10-250
BR-2055-L6	200	550	24	107	71	2T20	-	-	2T12	1R10-250	1R10-250
BR-2060-L6	200	600	26	118	79	2T20	-	-	2T12	1R10-250	1R10-250
BR-2065-L6	200	650	29	129	86	2T20	-	-	2T12	1R10-250	1R10-250
BR-2070-L6	200	700	31	139	93	2T20	-	-	2T12	1R10-250	1R10-250
BR-2075-L6	200	750	33	150	100	2T20	2T16	2T16	2T12	1R10-250	1R10-250
BR-2080-L6	200	800	36	161	107	2T20	2T16	2T16	2T12	1R10-250	1R10-250
BR-2540-L6	250	400	25	112	75	3T20	-	-	2T12	1R10-250	1R10-250
BR-2545-L6	250	450	29	129	86	3T20	-	-	2T12	1R10-250	1R10-250
BR-2550-L6	250	500	32	145	96	3T20	-	-	2T12	1R10-250	1R10-250
BR-2555-L6	250	550	36	161	107	3T20	-	-	2T12	1R10-250	1R10-250
BR-2560-L6	250	600	39	177	118	3T20	-	-	2T16	1R10-250	1R10-250
BR-2565-L6	250	650	43	193	129	3T20	-	-	2T16	1R10-250	1R10-250
BR-2570-L6	250	700	46	209	139	3T20	-	-	2T16	1R10-250	1R10-250
BR-2575-L6	250	750	50	225	150	3T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-2580-L6	250	800	54	241	161	3T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-3040-L6	300	400	33	150	100	4T20	-	-	2T16	1R10-250	1R10-250
BR-3045-L6	300	450	38	171	114	4T20	-	-	2T16	1R10-250	1R10-250
BR-3050-L6	300	500	43	193	129	4T20	-	-	2T16	1R10-250	1R10-250
BR-3055-L6	300	550	48	214	143	4T20	-	-	2T16	1R10-250	1R10-250
BR-3060-L6	300	600	52	236	157	4T20	-	-	2T16	1R10-250	1R10-250
BR-3065-L6	300	650	57	257	171	4T20	-	-	2T16	1R10-250	1R10-250

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-3070-L6	300	700	62	278	185	4T20	-	-	2T16	1R10-250	1R10-250
BR-3075-L6	300	750	67	300	200	4T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-3080-L6	300	800	71	321	214	4T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-3580-L6	350	800	75	325	220	4T20	2T16	2T16	2T16	1R10-250	1R10-250

For reinforcement arrangement refer to page 55 - page 56

Table 5

For span **L=7m** (the data shall applies for span length, L equal or less than 7m subjected to moment and shear capacity required)

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-2045-L7	200	450	21	129	73	3T20	-	-	2T16	1R10-250	1R10-250
BR-2050-L7	200	500	24	145	83	3T20	-	-	2T16	1R10-250	1R10-250
BR-2055-L7	200	550	26	161	92	3T20	-	-	2T16	1R10-250	1R10-250
BR-2060-L7	200	600	29	177	101	3T20	-	-	2T16	1R10-250	1R10-250
BR-2065-L7	200	650	31	193	110	3T20	-	-	2T16	1R10-250	1R10-250
BR-2070-L7	200	700	34	209	119	3T20	-	-	2T16	1R10-250	1R10-250
BR-2075-L7	200	750	37	225	129	3T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-2080-L7	200	800	39	241	138	3T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-2545-L7	250	450	28	171	98	4T20	-	-	2T16	1R10-250	1R10-250
BR-2550-L7	250	500	31	193	110	4T20	-	-	2T16	1R10-250	1R10-250
BR-2555-L7	250	550	35	214	122	4T20	-	-	2T16	1R10-250	1R10-250
BR-2560-L7	250	600	38	236	135	4T20	-	-	2T16	1R10-250	1R10-250
BR-2565-L7	250	650	42	257	147	4T20	-	-	2T16	1R10-250	1R10-250
BR-2570-L7	250	700	45	278	159	4T20	-	-	2T16	1R10-250	1R10-250
BR-2575-L7	250	750	49	300	171	4T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-2580-L7	250	800	52	321	183	4T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-304-L75	300	450	35	214	122	5T20	-	-	2T16	1R10-250	1R10-250
BR-3050-L7	300	500	39	241	138	5T20	-	-	2T16	1R10-250	1R10-250
BR-3055-L7	300	550	44	268	153	5T20	-	-	2T16	1R10-250	1R10-250
BR-3060-L7	300	600	48	294	168	5T20	-	-	2T16	1R10-250	1R10-250
BR-3065-L7	300	650	52	321	183	5T20	-	-	2T16	1R10-250	1R10-250
BR-3070-L7	300	700	57	348	199	5T20	-	-	2T16	1R10-250	1R10-250
BR-3075-L7	300	750	61	375	214	5T20	2T16	2T16	2T16	1R10-250	1R10-250
BR-3080-L7	300	800	66	402	229	5T20	2T16	2T16	2T16	1R10-250	1R10-250

For reinforcement arrangement refer to page 55 - page 56

Table 6

For span **L=8m** (the data shall applies for span length, L equal or less than 8m subjected to moment and shear capacity required)

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-2050-L8	200	500	19	151	75	2T25	-	-	2T16	1R10-250	1R10-250
BR-2055-L8	200	550	21	167	84	2T25	-	-	2T16	1R10-250	1R10-250
BR-2060-L8	200	600	23	184	92	2T25	-	-	2T16	1R10-250	1R10-250
BR-2065-L8	200	650	25	201	100	2T25	-	-	2T16	1R10-250	1R10-250
BR-2070-L8	200	700	27	218	109	2T25	-	-	2T16	1R10-250	1R10-250
BR-2075-L8	200	750	29	234	117	2T25	2T16	2T16	2T16	1R10-250	1R10-250
BR-2080-L8	200	800	31	251	125	2T25	2T16	2T16	2T16	1R10-250	1R10-250
BR-2550-L8	250	500	28	226	113	3T25	-	-	2T16	1R10-250	1R10-250
BR-2555-L8	250	550	31	251	125	3T25	-	-	2T16	1R10-250	1R10-250
BR-2560-L8	250	600	35	276	138	3T25	-	-	2T16	1R10-250	1R10-250
BR-2565-L8	250	650	38	301	151	3T25	-	-	2T16	1R10-250	1R10-250
BR-2570-L8	250	700	41	326	163	3T25	-	-	2T16	1R10-250	1R10-250
BR-2575-L8	250	750	44	351	176	3T25	2T16	2T16	2T16	1R10-250	1R10-250
BR-2580-L8	250	800	47	376	188	3T25	2T16	2T16	2T16	1R10-250	1R10-250
BR-3050-L8	300	500	38	301	151	4T25	-	-	2T16	1R10-250	1R10-250
BR-3055-L8	300	550	42	335	167	4T25	-	-	2T16	1R10-250	1R10-250
BR-3060-L8	300	600	46	368	184	4T25	-	-	2T16	1R10-250	1R10-250
BR-3065-L8	300	650	50	402	201	4T25	-	-	2T16	1R10-250	1R10-250
BR-3070-L8	300	700	54	435	218	4T25	-	-	2T16	1R10-250	1R10-250
BR-3075-L8	300	750	59	468	234	4T25	2T16	2T16	2T16	1R10-250	1R10-250
BR-3080-L8	300	800	63	502	251	4T25	2T16	2T16	2T16	1R10-250	1R10-250
BR-3580-L8	350	800	68	410	234	5T20	2T16	2T16	2T16	1R10-250	1R10-250

For reinforcement arrangement refer to page 55 - page 56

Table 7

For span **L=9m** (the data shall applies for span length, L equal or less than 9m subjected to moment and shear capacity required)

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-2060-L9	200	600	18	184	82	2T25	-	-	2T16	1R10-200	1R10-250
BR-2065-L9	200	650	20	201	89	2T25	-	-	2T16	1R10-200	1R10-250
BR-2070-L9	200	700	21	218	97	2T25	-	-	2T16	1R10-200	1R10-250
BR-2075-L9	200	750	23	234	104	2T25	2T16	2T16	2T16	1R10-200	1R10-250
BR-2080-L9	200	800	25	251	112	2T25	2T16	2T16	2T16	1R10-200	1R10-250
BR-2560-L9	250	600	27	276	123	3T25	-	-	2T16	1R10-200	1R10-250
BR-2565-L9	250	650	30	301	134	3T25	-	-	2T16	1R10-200	1R10-250
BR-2570-L9	250	700	32	326	145	3T25	-	-	2T16	1R10-200	1R10-250
BR-2575-L9	250	750	35	351	156	3T25	2T16	2T16	2T16	1R10-200	1R10-250
BR-2580-L9	250	800	37	376	167	3T25	2T16	2T16	2T16	1R10-200	1R10-250
BR-3060-L9	300	600	36	368	164	4T25	-	-	2T16	1R10-200	1R10-250
BR-3065-L9	300	650	40	402	178	4T25	-	-	2T16	1R10-200	1R10-250
BR-3070-L9	300	700	43	435	193	4T25	-	-	2T16	1R10-200	1R10-250
BR-3075-L9	300	750	46	468	208	4T25	2T16	2T16	2T16	1R10-200	1R10-250
BR-3080-L9	300	800	50	502	223	4T25	2T16	2T16	2T16	1R10-200	1R10-250
BR-3580-L9	350	800	55	510	230	4T16	2T16	2T16	2T16	1R10-250	1R10-250

For reinforcement arrangement refer to page 55 - page 56

Table 8

For span **L=10m** (the data shall applies for span length, L equal or less than 10m subjected to moment and shear capacity required)

Code of Component	Beam Sizes		Final Design			Reinforcement Detail				Shear Links	
	B	H	UDL	M _u	V	Bar 1	Bar 2	Bar 3	Bar 4	Link 1	Link 2
	mm	mm	w kN/m	kNm	kN						
BR-2070-L10	200	700	29	356	143	2T32	-	-	2T16	1R10-200	1R10-250
BR-2075-L10	200	750	31	384	154	2T32	2T16	2T16	2T16	1R10-200	1R10-250
BR-2080-L10	200	800	33	411	164	2T32	2T16	2T16	2T16	1R10-200	1R10-250
BR-2570-L10	250	700	43	535	214	3T32	-	-	2T16	1R10-200	1R10-250
BR-2575-L10	250	750	46	576	230	3T32	2T16	2T16	2T16	1R10-200	1R10-250
BR-2580-L10	250	800	49	617	247	3T32	2T16	2T16	2T16	1R10-200	1R10-250
BR-3070-L10	300	700	43	535	214	3T32	-	-	2T16	1R10-200	1R10-250
BR-3075-L10	300	750	61	768	307	4T32	2T16	2T16	2T16	1R10-150	1R10-250
BR-3080-L10	300	800	66	822	329	4T32	2T16	2T16	2T16	1R10-150	1R10-250
BR-3580-L10	350	800	70	840	340	4T16	2T16	2T16	2T16	1R10-250	1R10-250

For reinforcement arrangement refer to page page 55 - page 56