

# BEAM AND BLOCK - LOAD-SPAN TABLES

Technical Datasheet



BISON REF	BEAM SIZE (MM)	EFFECTIVE BEAM CENTRES (MM)	SLAB SELF WEIGHT KN/M <sup>2</sup>	SPANS INDICATED BELOW ALLOW FOR CHARACTERISTIC IMPOSED LOAD PLUS SELF WEIGHT PLUS 1.8KN/M <sup>2</sup> FOR FINISHES					
				CHARACTERISTIC IMPOSED LOAD KN/M <sup>2</sup>					
				1.5	2.0	2.5	3	4	5
				Clear span (m)					
IJ1	150 x 125	525	1.86	4.10	3.90	3.75	3.60	3.35	3.10
IJ2	150 x 125	413	1.96	4.55	4.35	4.20	4.00	3.75	3.50
IJ3	150 x 125	300	2.15	5.30	5.05	4.85	4.65	4.35	4.10
RDJ4	150 x 215	615	2.10	5.35	5.10	4.90	4.75	4.40	4.15
RDJ5	150 x 215	503	2.25	5.85	5.60	5.40	5.20	4.85	4.55
RDJ6	150 x 215	390	2.47	6.45	6.25	6.05	5.80	5.45	5.15
TJ1	225 x 135	535	2.30	6.45	6.15	5.90	5.70	5.35	5.00
TJ2	225 x 135	422	2.51	7.10	6.80	6.55	6.35	5.95	5.60
TJ3	225 x 135	310	2.89	7.75	7.75	7.45	7.20	6.80	6.40
				$\psi_0 = 0.7$	$\psi_1 = 0.5$	$\psi_2 = 0.3$	$\psi_0 = 0.7$	$\psi_1 = 0.7$	$\psi_2 = 0.6$
				Category A/B - Domestic, residential / office areas				Category C/D - Congregation areas /shopping	
FLOOR CATEGORY OF USE (FROM BS EN 1991-1-1:2002), USED FOR DETERMINING THE COMBINATION OF ACTIONS FACTORS									

**BISON PRECAST**



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