

BEAM AND BLOCK - LOAD-SPAN TABLES

Technical Datasheet



SPANS INDICATED BELOW ALLOW FOR CHARACTERISTIC IMPOSED LOAD PLUS SELF WEIGHT PLUS 1.8KN/M² FOR FINISHES

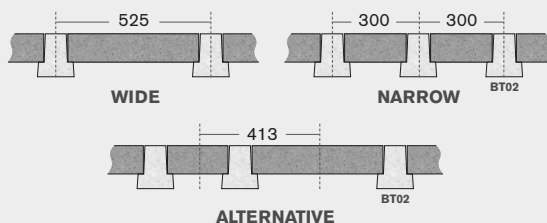
| BISON REF | BEAM SIZE (MM) | EFFECTIVE BEAM CENTRES (MM) | SLAB SELF WEIGHT KN/M ² | CHARACTERISTIC IMPOSED LOAD KN/M ² | | | | | |
|-----------|----------------|-----------------------------|------------------------------------|---|------|------|------|------|------|
| | | | | 1.5 | 2.0 | 2.5 | 3 | 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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