

HI-STRENGTH RANGE OF LINTELS LOAD/SPAN TABLE – Uniformly distributed service loads (kN/m)

The self weight of the lintel must be subtracted from the load given.



Section		HSS10	HSR15	HSS15	HSR22	HSR21
Manufacture Size to Order	Profile	110 X 100	140 X 100	150 X 140	215 X 100	215 X 140
	Clear Span	Service Moment (kNm)				
		2.53	6.74	10.09	17.20	18.03
900	600	35.98	52.13	104.96	123.60	167.60
1050	750	24.99	43.44	87.47	123.60	139.67
1200	900	18.36	37.24	73.22	123.60	119.71
1350	1050	14.06	32.58	56.06	95.56	100.17
1500	1200	11.11	28.96	44.29	75.50	79.14
1650	1350	9.00	23.96	35.88	61.16	64.11
1800	1500	7.43	19.81	29.65	50.54	52.98
2100	1800	5.32	14.18	21.23	36.19	37.93
2400	2100	4.00	10.65	15.94	27.18	28.49
2700	2400	3.11	8.29	12.41	21.16	22.18
3000	2700	2.49	6.64	9.94	16.94	17.76
3300	3000	2.04	5.43	8.14	13.87	14.54
3600	3300	1.70	4.53	6.78	11.56	12.12
4200	3900	1.23	3.25	4.92	8.39	8.79

GUIDANCE NOTES

No assistance from composite brickwork is assumed or included in these figures.

Bearings: Minimum bearing length to be 150mm each. Where required provide suitable Padstones. Ensure, however that all bearings are sound.

Where information on self weights of individual units is given this is intended for guidance purposes only. They are subject to change depending upon changes to the raw materials used so it is important to check the actual weights before use if this is a critical factor.

Most clear spans shown above are in increments of 150mm and the safe working loads indicated are based on the clear span plus 150mm of bearing each end. Our lintels are supplied in a standard range of lengths and can be cut to length as required.

The safe working load per metre is the least of the flexural strength, the shear strength or the load that gives a deflection limit of L/325.

Deflection information is available for our full range of lintels, please see Supreme DoP or contact our technical department.

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Only Supreme's concrete lintels carry the kitemark.

Installation

- **Ensure the lintel is not damaged.**
- **The lintel should be installed with a minimum end bearing of 150mm.**
- **Ensure the lintel is used in its correct orientation and is fully bedded in a level position on mortar across its length and width.**
- **The masonry below the lintel should be built in accordance with EN 1996-1-1.**
- **Where required in external walls a flexible damp proof course or cavity tray shall be installed in accordance with current building regulations.**
- **If required rendering of the lintel is not deemed to be detrimental to its performance.**
- **Do not cut into the lintel to form rebates or modify in any way, if in doubt please contact our technical department**