

LOAD SPAN TABLE QUICK REFERENCE GUIDE

Most lintel manufacturers will have a product code for easy reference. In our case the number '50' refers to the cavity width the product is suitable for; 50mm.

The standard lengths show the lengths of lintels that the figures underneath relate to. In this example all lintels from 600mm up to 1200mm in length.

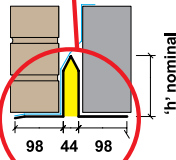
SWL is **Safe Working Load** or **Serviceable Working Load**. This number is the load in Kilonewtons that a lintel of this length can safely bear. In this case a 2550mm to 3000mm lintel at load ratios of 1:1 or 1:3 can bear 28 Kilonewtons.

This image shows the lintel shape including the 50mm cavity width, and also the dimensions of both the inner and outer leaves; in this case 98mm. The 44mm cavity plus the 3mm steel makes up the 50mm.

Nominal height is the height of the lintel from the peak down to the leaves. A general rule of thumb is the higher the lintel the better the load bearing capabilities.

SL50

100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	4050	4350
Lintels are available in increments of 150mm	1200	1500	1800	2100	2400	3000	3900	4200	4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	225	225
Weights (kg/m)	6.2	6.8	7.4	7.6	8.0	9.2	13.8	15.5	17.8
SWL 1:1/3:1 (kN)	16	17	22	23	24	28	28	28	28
SWL 19:1 (kN)	12	13	17	18	19	22	22	22	22
RM (kNm)	2.2	2.9	4.5	5.6	6.8	10.0	13.3	16.2	16.2

Load ratio refers to the distribution of load that should be allocated to each leaf (inner:outer). A 1:1 ratio means the load is equally split on each leaf. A 3:1 ratio means the inner leaf bears three times as much as the outer leaf.

The weight of the lintel is expressed as kg per metre as the lintels differ in length. This lintel is 8kg/m. The per metre weight increases because the height has increased.

RM stands for **Resistance Moment**. This relates to the force the lintel is able to withstand before it breaks (although that is a very layman explanation). In this case the lintel at between 600mm and 1200mm can withstand a force of 2.2kNm.

The SWL (Safe Working Load) at a load ratio of 19:1 is really only applicable to eaves lintels. It would indicate that most if not all of the load is being placed upon the inner leaf. In this case the lintel can take a load of 17 kN.