

BIGDUG®

LONGSPAN SHELVING GUIDE

RANGE INTRODUCTION

LOADING INFORMATION

KITS / COMPONENTS



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LONGSPAN SHELVING



MECALUX LONGSPAN SHELVING

BiGDUG's industrial-grade mecalux longspan shelving, designed for the manual loading of bulky items and heavy loads. Used in industrial, retail and commercial environments such as; warehouses, factories, garages and storerooms.

Our longspan shelving is manufactured from premium-grade, 2mm thick European steel and can support loads up to 850kg UDL* per shelf level. Sold as either a complete starter / extension kit or as individual components, longspan is our most versatile storage solution.

All shelf levels are boltless, and can be adjusted in height every 50mm. Although the beams are boltless, they are secured into place with a safety pin that prevents accidental beam displacement.

STARTER & EXTENSION KITS, OR COMPONENTS?

Longspan shelving is available in two depths; 600mm or 900mm, and uses a cost-effective starter and extension bay system. Each starter / extension bay is supplied with three shelf levels as standard.

Each starter / extension bay comes supplied with levelling plates and floor fixings as standard. The additional stability created by securing the racking frames to the floor, allows for the lowest shelf level to be removed allowing for ground storage of palletised materials.

Individual components (such as end-frames and beams) are also available for customers that wish to create their own unique storage configuration, or add to their existing starter / extension bays.

†UDL= Uniformly Distributed Load

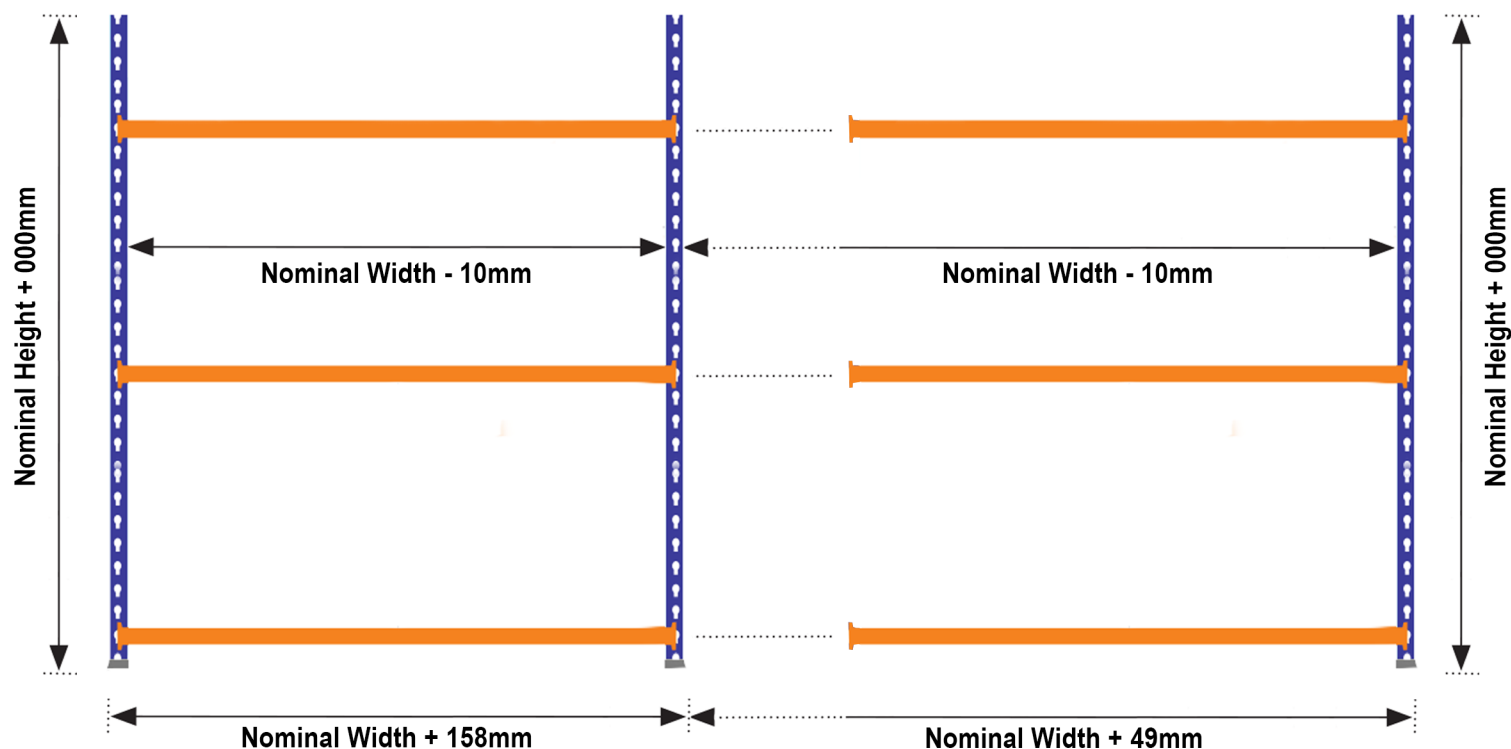


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STARTER / EXTENSION GUIDE

STARTER BAY

EXTENSION BAY



Loading information

Mecalux Longspan Shelving

Bay Loading Capacities

For maximum stability we recommend shelving runs consisting of a minimum 3 beam levels per bay and 3 bays in length.

Fixing to the floor is also recommended, especially for taller frames or in areas of high traffic.

Load capacities will vary according to the clear height between each beam level as shown in the table below:

Clear height between beams (mm)	250	500	750	1000	1250	1500	1750	2000	2250	2500
Load capacity per frame (kg)	4340	4060	3850	3600	3240	2800	2300	1920	1560	1320
Load capacity per bay (kg)	2170	2030	1925	1800	1620	1400	1150	960	780	660

For configurations outside of these specifications the load capacity may be reduced.

Shelf load capacities

Maximum permitted shelf capacities detailed below are based on uniformly distributed loads (UDL).

Please note that the frame capacity may limit the maximum load per bay.

Shelf size (w x d mm)	1200 x 600	1825 x 600	1900 x 600	2225 x 600	2300 x 600	2700 x 600
Load capacity with 22mm Chipboard decks (kg)	590	850	810	710	775	550
Load capacity with Chipboard decks & 2 x Shelf Supports (kg)	590	850	810	710	775	550
Load capacity with galvanised steel shelf panels (kg)	590	850	810	710	746	550

Shelf load capacities table continued:

Shelf size (w x d mm)	1200 x 900	1825 x 900	1900 x 900	2225 x 900	2300 x 900	2700 x 900
Load capacity with 22mm Chipboard decks (kg)	200	300	300	400	400	450
Load capacity with Chipboard decks & 2 x Shelf Supports (kg)	590	850	810	710	775	550
Load capacity with galvanised steel shelf panels (kg)	590	500	500	600	650	450

IF YOU ARE IN ANY DOUBT REGARDING LOAD CAPACITIES, PLEASE CONTACT YOUR SUPPLIER

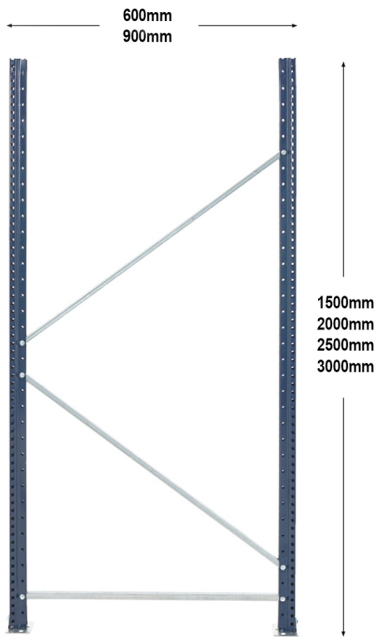
¹UDL = Uniformly Distributed Load



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COMPONENTS GUIDE

END-FRAMES



Two frames are required for the first longspan bay, for every subsequent bay in the run, only one additional frame is required.

Longspan frames are available in;

- ✓ 4x Heights (1500, 2000, 2500 and 3000 mm)
- ✓ 2x Depths (600 and 900 mm)

The frames have been manufactured with beam 'key holes' every 50mm, allowing the shelf levels to be adjusted in height.

All frames are delivered pre-assembled and are supplied with levelling plates and floor fixings as standard*.

*Please note: All frames must be secured to the floor.

CHIPBOARD LEVELS

There are two types of chipboard shelf available:

- ✓ Standard 22mm thick chipboard level
- ✓ 22mm thick chipboard level with steel supports

All chipboard levels are supplied with two beams and fixing pins that prevent accidental beam displacement.

The chipboard distributes load evenly across the shelves, and each panel provides a flush, smooth surface.

Chipboard levels are designed for dry goods storage and are suitable for most general storage applications.



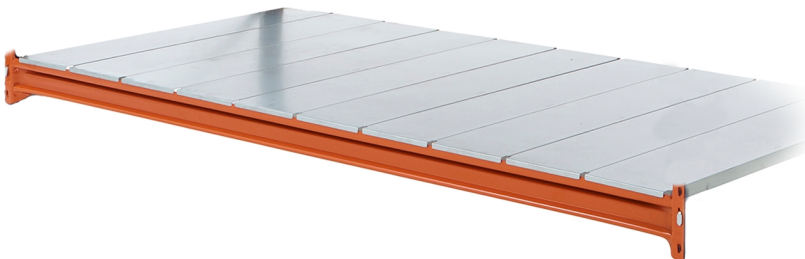
GALVANISED PANELS

Galvanised steel panels are available in a number of sizes and can hold up to 850kg UDL* per level.

To prevent any distortion the levels are made up of individual galvanised steel panels. The panels fit flush together to provide a smooth, moisture-resistant finish.

Galvanised steel panels are commonly used for storing greasy or oily products and for storage environments prone to damp.

Manufactured from corrosion-resistant steel the steel shelves are scratch proof and are ideal for commercial use.



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