



Designed for automated systems:  
**BITO XL Motion containers**



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STORAGE SYSTEMS  
NORDIC



# XL Motion containers create a low-noise work environment

The **BITO XL Motion** is a classic plastic container that has been specifically designed for use in automated warehouses. Quiet travelling on conveyors and the sturdy design make the BITO XL Motion a perfect fit for warehouses and distribution centres with a high degree of conveyor technology.

On request, the XL Motion can also be supplied with dividers to store different reference items in the same container.



Sound solution for quiet container handling on conveyors

- ✓ Substantially reduced noise development during automated handling
- ✓ Made from rigid and durable plastic
- ✓ Also available as version with dividers
- ✓ Large internal volume
- ✓ The XL's wider base reduces the amount of steel required for racking construction.

# Functional features for automated environments

The no-compromise solution for your warehouse



## Support ribbing

Running diagonally to reduce noise development

## Tread width

At least 100 mm

## Water drainage holes in compliance with VdS CEA 4001

Optional drainage holes in the base

## New double base design for added rigidity

## Base width 389 mm

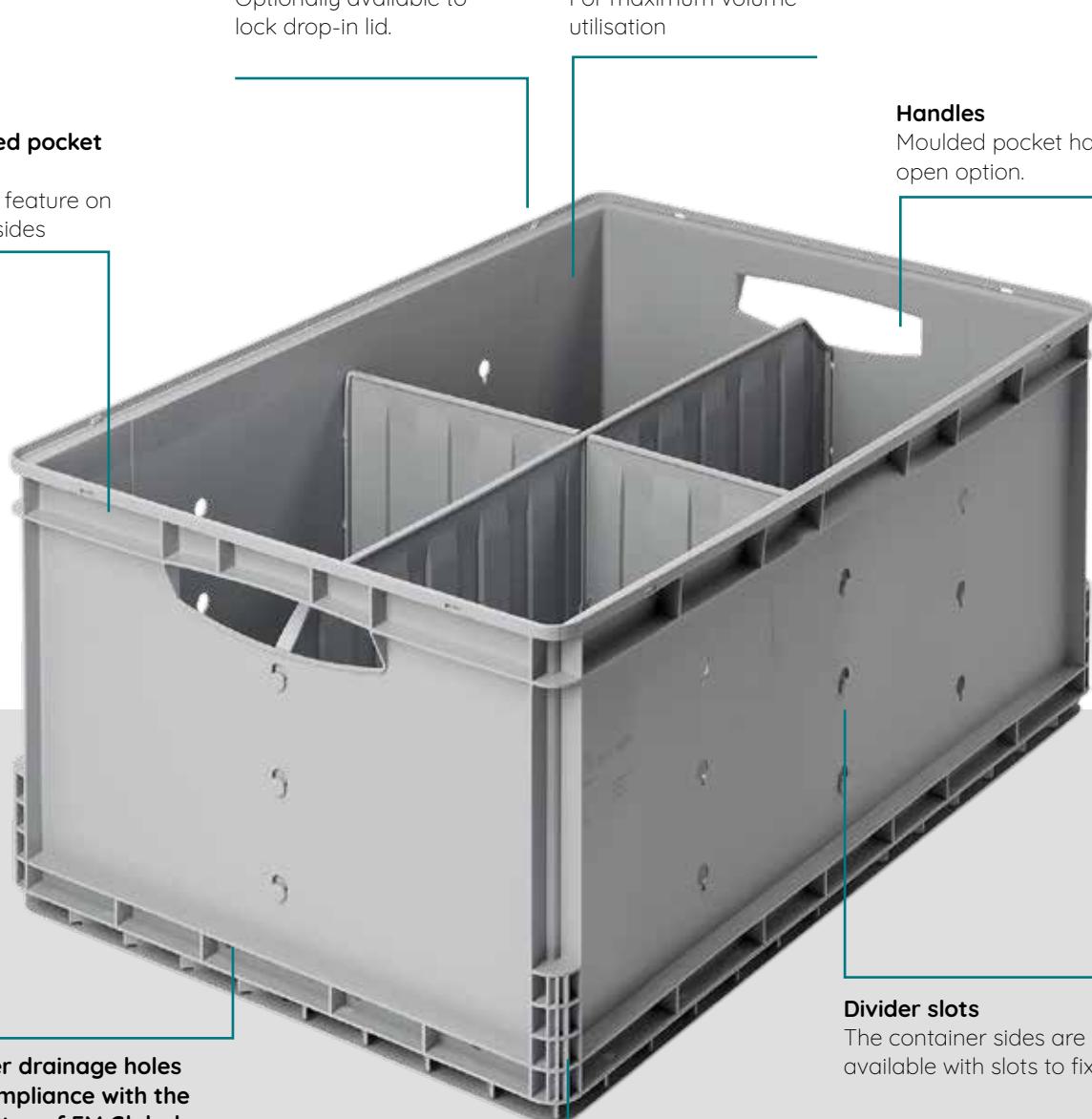
Approximately 26 mm broader than the European standard size base of 363 mm



## Secure stacking

Please note: XL Motion containers do not interstack with European standard size containers.





#### Location lugs

Optionally available to lock drop-in lid.

#### Integrated pocket handles

Standard feature on the long sides

#### Vertical sides

For maximum volume utilisation

#### Handles

Moulded pocket handles or open option.

#### Water drainage holes in compliance with the statutes of FM Global

Optionally available in the lower part of the sides

#### Divider slots

The container sides are optionally available with slots to fix dividers.

#### Ribbing pattern

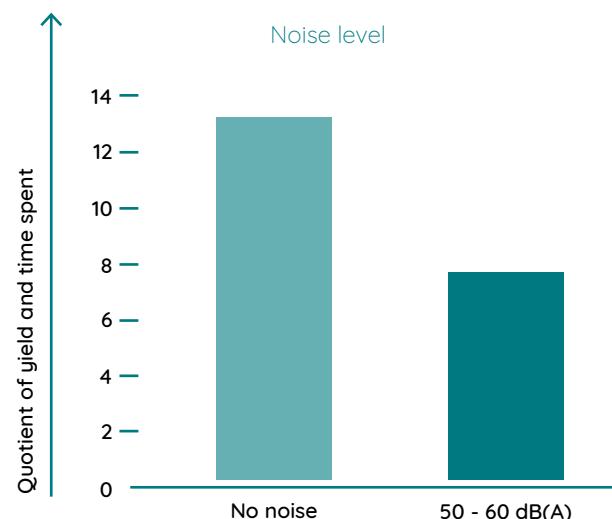
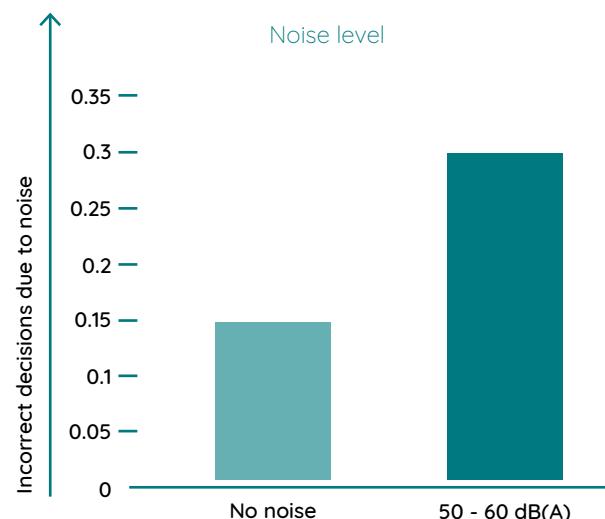
Can be adapted for optimum compatibility with your automated handling system.

A **BIT OF FLEXIBILITY.**

# XL Motion containers give a boost to performance

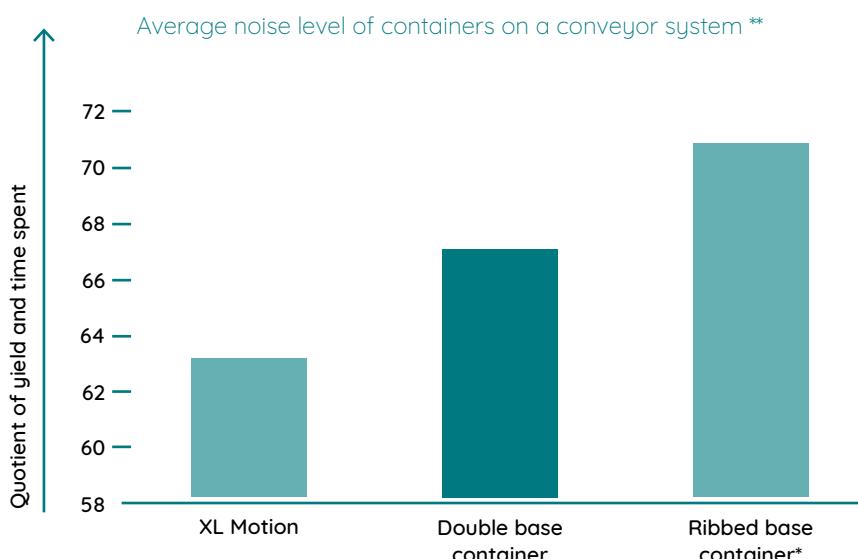
Lowest-ever noise development improves work performance

Noise has a negative impact on the physical and mental state: It affects muscle tone, the nervous system, hormonal control, staff motivation, stress levels and the ability to concentrate.



Source: BAuA: Lärmentwicklung - Gehör, Gesundheit, Leistung 2004  
(Study on noise-related health hazards and performance)

Noise affects staff health and performance.  
The EC Directive 2003/10 EC and the national noise and vibration occupational health and safety regulations specify limits of noise exposure. Disturbing and hearing-damaging noises must be kept to a minimum using latest state-of-the-art technology.



\* Average noise development of empty containers from various manufacturers

\*\* Noise development of a powered roller conveyor with a speed of 0.85 m/s, a roller diameter of 50 mm and a roller pitch of 67 mm, measured at a distance of 1 m above the conveyor belt.



## XL MOTION – THE ULTIMATE SOLUTION TO EFFICIENT AND QUIET CONTAINER HANDLING ON CONVEYORS





**Versatile, space-saving,  
available in a wide range  
of sizes: perfect for  
organising your small  
items in as many as  
16 compartments**

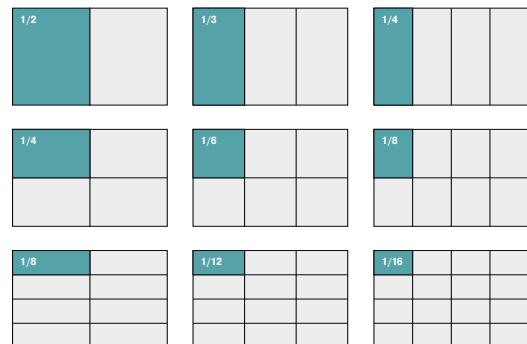


## XL MOTION

### Compartment options



### Dividers



### Insertable bins



### Size options

#### Base dimensions (LxW / mm) 599 x 399

Height (mm):	Internal dimensions (mm):	Volume (litres):	Load capacity (kg):	Stacking load (kg):
120	569 x 369 x 100	20.9	50	250
170	569 x 369 x 150	31.4	50	250
220	569 x 369 x 200	41.9	50	250
270	569 x 369 x 253	53.0	50	250
320	569 x 369 x 300	62.9	50	250
420	569 x 369 x 400	83.0	50	250

#### Base dimensions (LxW / mm) 650 x 450

Height (mm):	Internal dimensions (mm):	Volume (litres):	Load capacity (kg):	Stacking load (kg):
270	620 x 420 x 250	60.0	50	250
320	620 x 420 x 300	78.0	50	250
400	620 x 420 x 380	99.0	50	250

# Reduced workplace stress

In their new multi-user logistics centre, logistics service provider **Hammer** operates with no-noise XL Motion containers in their automated storage installation.

## About the customer:

In 2015, the logistics service provider Hammer GmbH & Co. KG built a new multi-user logistics centre in Bedburg near Cologne. The 103,000 sqm logistics centre which also includes a shuttle-serviced storage facility primarily supplies a large DIY chain with small parts.

## Customer requirements:

For their shuttle-serviced storage facility (small parts warehouse), the logistics service provider needed approx. 60,000 containers.

- The containers had to be very sturdy and suitable for automated systems.
- Noise pollution in the automated warehouse was to be minimised in order to create a more pleasant, less stressful work environment. Accordingly, the new totes were to run as quietly as possible on the automated system.
- A large number of small parts of all types must be picked efficiently.
- The customer was looking for large capacity totes to store as many small parts as possible.
- The containers were to maximise space utilisation within the racking installation.



## Customer benefits

### BITO's low-noise runner XL Motion ensures a quiet work environment

- The XL Motion ensures very quiet handling on conveyors. Significantly lower noise levels reduce stress levels for employees.
- Quieter operations create a more pleasant work atmosphere, resulting in greater job satisfaction and fewer absences due to illness and stress.
- Fewer mistakes are made as a result of a noise- and stress-reduced work environment.
- Rigid sides and the strong base allow to handle extremely heavy loads.
- Thanks to their large internal volume, XL Motion containers can store a larger amount of items. The container offers a particularly high net volume.
- Keeping more reference items in the same tote reduces the restocking frequency.
- The high utilisation rate of each XL Motion container ensures that fewer containers are needed to handle the same quantity of goods. As a result, fewer containers have to be moved, which in turn makes the entire system much more efficient.
- Due to the wider container base, automated storage installations can be built with narrower seat profiles. This saves a lot of construction material, thereby minimising plant construction costs.

### What our customers say:

“

Low-noise handling of XL Motion containers makes work in the automated areas much less strenuous. We get very good feedback from our staff – everyone enjoys doing their job at the workstations. The pleasant environment even prompts employees from other areas to apply for jobs in the automated storage area. The quiet operation of the containers also helps improve concentration and reduces the error rate.

**Lutz Harde**

Managing director of the logistics centre of Hammer GmbH & Co. KG





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TO GIVE ADVICE.

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