

2018

Product Catalogue

Section 4: Ballast & Trackbed



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PRODUCTS FOR ROAD HAULAGE

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This document is one of a series of 10 catalogue sections which together give specifications for all the products in our range.

Other sections are available on request.

Section 1: Rail Handling

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Section 3: Panel Handling

Section 4: Ballast and Trackbed

Section 5: Clipping and De-Clipping

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Section 10: Adapter Heads

4.1 TH09 GEOTEXTILE HANDLER



Laying geotextiles becomes easier and quicker using Thomson Geotextile Handlers.

Originally developed for use with Geosand textile which is too heavy for manual laying the concept has now been extended and the latest model will handle all geotextile rolls up to 6m wide.

The roll of fabric is supported on steel spindles which run in tapered roller bearings. These are inserted into the ends of the roll using hydraulic cylinders.

The whole operation is practically effortless for the ground staff leading to reduced fatigue and risk.



SPECIFICATIONS

Weight (typical)	375 kg
WLL (Safe Working Load)	1,250 kg
Proof Load (Factory test)	2,500 kg
Mechanism	Hydraulically Operated

O/A Height	735 mm
O/A Width	250mm
O/A Length	1250 - 6250 mm

Max. Hyd. Pressure	210 Bar
Min. Hyd. Pressure	90 Bar

Body Colour 08E51 Yellow



BENEFITS

- One device for all roll types and sizes
- Reduced manpower requirement
- Reduced fatigue - increased safety

FEATURES

- Strong and Robust
- Fully protected hydraulic cylinders
- Check valves on cylinders
- High Resistance to Dynamic Loads
- High Resistance to Abuse
- Proven in Use Since 2008
- 1,250 kg WLL
- Easy and quick to use
- Handles all geotextiles up to 6m wide
- Full Factory Parts Backup
- CE Marked

REDUCES MANPOWER REQUIREMENT,
REDUCES FATIGUE AND INCREASES
SAFETY

DOCUMENTATION

- Operator's Manual
- Parts Manual
- Maintenance Plan
- LOLER Test Certificate



Specifications given may be subject to change due to our policy of continuous improvement

OPTIONS AND ORDERING INFORMATION

The TH09 Geotextile Handler is available in one version for handling all types of geotextiles.

As standard the device is fitted with pressure control to prevent overloading of the hydraulic system.

A transport / storage stillage is available for this product.



PRODUCT ACCEPTANCE

No application has been made for Product Acceptance at the time of publication

Thomson Engineering Design will be pleased to make an application if required

Example: TH09-01 Geotextile handler without stillage

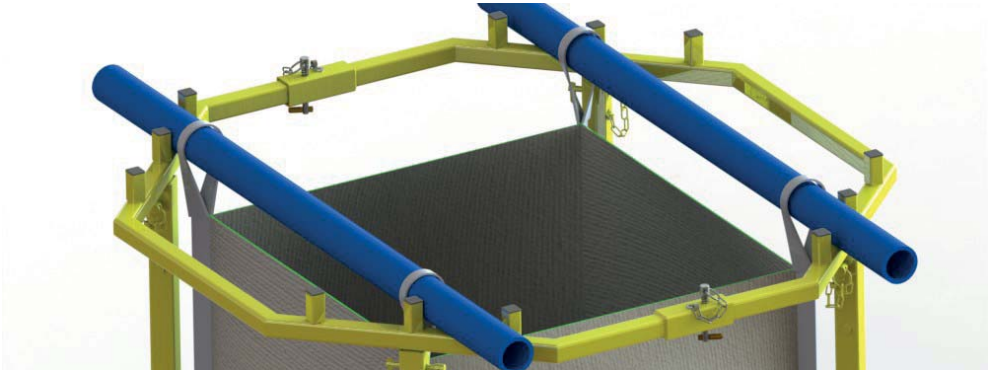
MODEL NUMBERS FOR ORDERING

When ordering this product please use the ordering code below to specify the correct options.

TH09-□□

Stillage	Code
No Stillage	01
With Transport / Storage Stillage	02

4.2 BH09 BAG HOLDER



The Thomson Bag Holder is a purpose designed frame for holding open 1 tonne bulk bags for loading.

Whilst loading the bag it is securely held in the frame while the spring-loaded legs allow the bag to take up any shape without overloading any of the lifting straps.

Once loaded the bag can be lifted out through the top of the frame either using chains, a bag lifter or the purpose designed Bag Handling Forks (see page 62).

The bag support frame quickly breaks down into small sections for easy transport in a works van.



FEATURES

- Uses standard bulk bags
- Spring loaded legs on bag holder frame prevent overloading of bag loops.
- Full Factory Parts Backup
- CE Marked

A SAFE WAY OF LOADING AND HANDLING BULK BAGS

SPECIFICATIONS

Weight 45 kg

Body Colour
Support tubes

08E51 Yellow
Blue

DOCUMENTATION

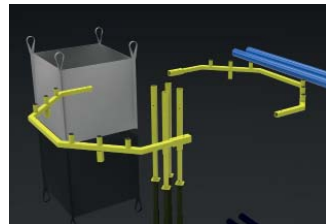
User's Instructions
Parts Manual
Maintenance Plan
LOLER Test Certificate
PADS No's. 094/001304 to 001307



BENEFITS

A safe way of supporting a standard bulk bag whilst loading

Used on its own or as part of an integrated system for loading and lifting



OPTIONS AND ORDERING INFORMATION

The BH09 Bag Holder is supplied as standard with one pair of bag support tubes to hold the bag handles.

If used in conjunction with the Bag Handling Forks more tubes may be required.



Example: BH09-01 Bag Holder with one pair of support tubes

PRODUCT ACCEPTANCE

This product has full Network Rail Product Acceptance under Certificate number 05/04988

MODEL NUMBERS FOR ORDERING

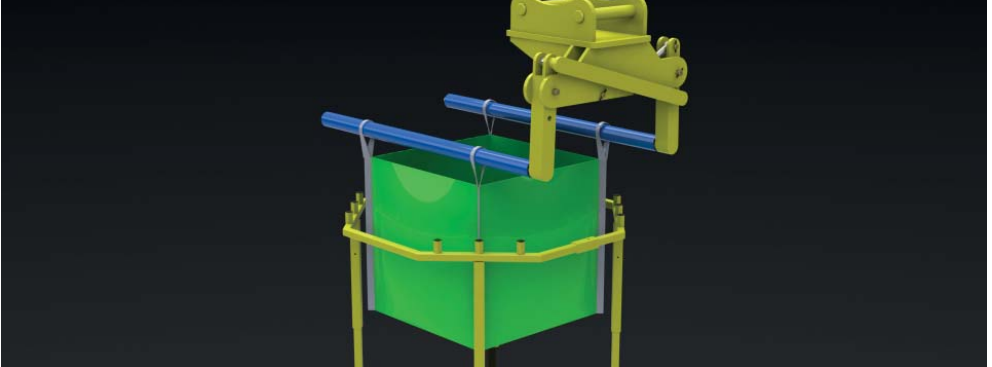
When ordering this product please use the ordering code below to specify the correct options

BH09-□□

No of Tube Pairs	Code
1 Pair	01
2 Pairs	02
3 Pairs	03

Etc.

4.3 BHF09 BAG HANDLING FORKS



The Thomson Bag Handling Forks is a fork lifting attachment designed specifically for use with the Bag Holder.

Once loaded the fork attachment, fitted to an excavator, is used to lift and transport the bag.

The distance between the forks can be hydraulically adjusted from the cab of the machine to help align the forks with the bag support tubes.



FEATURES

- Hydraulically adjustable fork spacing
- Tapered forks for easy insertion into bag support tubes
- Full Factory Parts Backup
- CE Marked

A SAFE WAY OF LOADING AND HANDLING BULK BAGS

SPECIFICATIONS

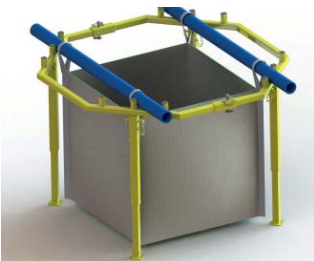
Weight (typical)	350 kg
WLL (Safe Working Load)	1,000 kg
Proof Load (Factory test)	2,000 kg

Max. Hyd. Pressure	210 Bar
Min. Hyd. Pressure	90 Bar

Body Colour	08E51 Yellow
Cylinder	Signal Red

DOCUMENTATION

Operator's Manual
 Parts Manual
 Maintenance Plan
 LOLER Test Certificate
 PADS No's. 094/001303
 Inc. bag holder094/001302



BENEFITS

A safe way of supporting a standard bulk bag whilst loading
 An integrated system for loading and lifting



Specifications given may be subject to change due to our policy of continuous improvement

OPTIONS AND ORDERING INFORMATION

The BHF09 Bag Handling Forks are available with either a 2-pin free-swivelling adapter head, a 2-pin free-swivelling head with hydraulic brake or with a hydraulic rotator and two-pin adapter head.

When ordering we will need to know the dimensions of the required adapter head.



Example: BHF09-02 Bag Handling Forks with free-swivel head with hydraulic brake

PRODUCT ACCEPTANCE

This product has full Network Rail Product Acceptance under Certificate number 05/04988

MODEL NUMBERS FOR ORDERING

When ordering this product please use the ordering code below to specify the correct options

BHF09-□□

Forks Type	Code
<i>2-Pin Swivel Head</i>	01
<i>2-Pin Swivel Head with Brake</i>	02
<i>Rotator & 2-Pin Head (Type 04)</i>	03

NOTE

When ordering this device we will need to know the dimensions of your host machine.

Please see Section 10 for details of the dimensions we require Type 04 heads

4.4 BC07 BAG CARRIER



The Thomson Bag Carrier is available in two sizes, both with a Safe Working Load of 2,000kg.

A strong, simple, light weight design the Bag Carrier is built for long term use and is fully CE marked and LOLER certified so it meets all the legal requirements.

Please see page 66 for details of our Multi-Bag Carrier.



FEATURES

- Strong and Light
- Two sizes available
- Proven in Use Since 2007
- 2,000 kg WLL
- 4,000 kg Proof Load
- CE Marked

A QUICK, SIMPLE SOLUTION TO THE HANDLING OF BULK BAGS UP TO 2,000KG.

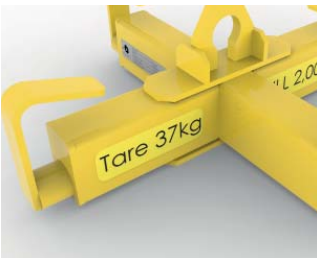
SPECIFICATIONS

Weight (Large)	50 kg
Weight (Small)	37 kg
WLL (Safe Working Load)	2,000 kg
Proof Load (Factory test)	4,000 kg
Latches	Spring Operated

Body Colour 08E51 Yellow

DOCUMENTATION

Operator's / Maintenance Manual
LOLER Test Certificate



BENEFITS

- Fully certificated and tested
- Simple operation
- Light weight

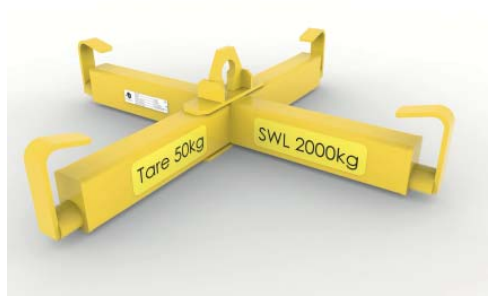


Specifications given may be subject to change due to our policy of continuous improvement

OPTIONS AND ORDERING INFORMATION

The BC07 Bag Carrier is available in two sizes: 600mm and 1000mm.

Either model can be used for handling bulk bags up to 2000kg. The larger model is also used to hold bags open for loading.



Example: BC07-02 1000mm Bag Carrier

PRODUCT ACCEPTANCE

This product is 'loose lifting tackle' and does not require Network Rail Product Acceptance

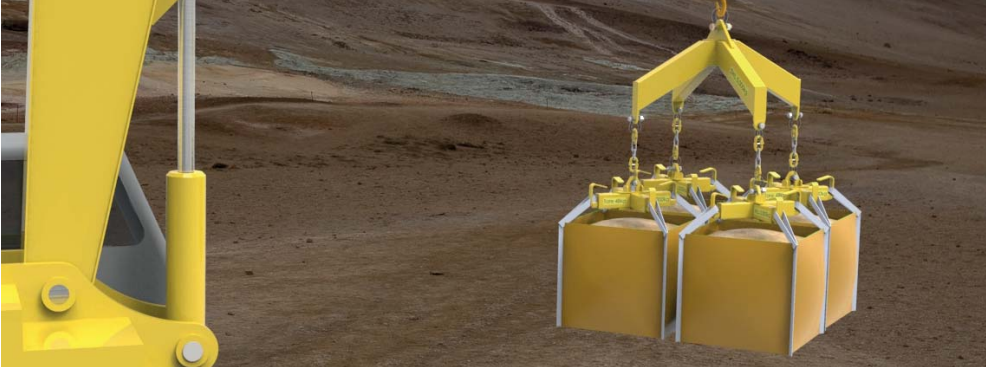
MODEL NUMBERS FOR ORDERING

When ordering this product please use the ordering code below to specify the correct options

BC07-□□

Carrier Size	Code
600mm	01
1000mm	02

4.5 MBC14 MULTI BAG CARRIER



The Thomson Multi Bag Carrier is available in three types: two bag or four bag rigid models and a four bag model with two de-mountable arms for use as either a two or four bag unit.

All models can be supplied with either 600mm or 1000mm Bag Carriers and have a Safe Working Load of 2,000kg per bag.

The Multi Bag Carrier is built for long term use and is fully CE marked and LOLER certificated so it meets all the legal requirements.



FEATURES

- Strong and Light
- Two sizes available
- Proven in Use Since 2007
- 2,000 kg WLL per bag
- 4,000 kg Proof Load per bag
- Full Factory Parts Backup
- CE Marked

A QUICK, SIMPLE SOLUTION TO THE HANDLING OF BULK BAGS UP TO 2,000KG.

SPECIFICATIONS

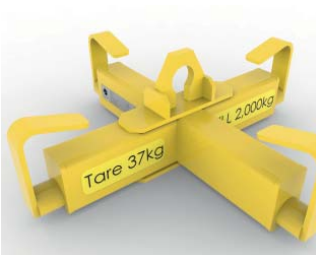
Weight (Four Bag typical)	325 kg
Weight (Two Bag typical)	165 kg
WLL / Bag	2,000 kg
Proof / Bag	4,000 kg
Latches	Spring Operated

Body Colour

08E51 Yellow

DOCUMENTATION

Operator's / Maintenance Manual
LOLER Test Certificate



BENEFITS

- Fully certificated and tested.
- Simple to use.
- Light weight.



Specifications given may be subject to change due to our policy of continuous improvement

OPTIONS AND ORDERING INFORMATION

The MBC14 Multi-Bag Carrier is available as a two-bag system, a four bag system or with two bolted legs to allow either two or four bag operation.

The Bag Carriers suspended from the centre beam can be either 600mm or 1000mm types.



Example: MBC14-03-01 Four Leg Beam with two removable legs equipped with 600mm Bag Carriers

PRODUCT ACCEPTANCE

This product is loose lifting tackle and as such no Product Acceptance application has been made

MODEL NUMBERS FOR ORDERING

When ordering this product please use the ordering code below to specify the correct options

MBC14-□□-□□

Main Beam Type	Code
<i>Two Leg</i>	01
<i>Four Leg Fixed</i>	02
<i>2 / 4 Leg</i>	03

Carrier Size	Code
<i>600mm</i>	01
<i>1000mm</i>	02



Thomson rail products are used throughout the world and trusted for safety, versatility and strength.

A significant part of our business involves the design and manufacture of specialised handling devices. Please enquire for details of our design and build service.

All of our products have been designed and built under our ISO 9001:2008 approved quality assurance scheme.

Please enquire for further details to:

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All Thomson Engineering Design Products are proudly
designed and manufactured in the United Kingdom