A TEREX BRAND

Operator's Manual

Serial number range

500L Loading Shovel.....from serial n: SHOV5DL15B-1001

800L Loading Shovel.....from serial n: SHOV8DL15B-1001

800L Loading Shovel.....from serial n: SHOV8CDL15B-1001

800L Loading Shovel..... from serial n: SHOV8RDL15B-1001

Brick-Holder Basket.....from serial n: BBSKETDL15B-1001

250L Mixing Bucket.....from serial n: MXBC2515B-1001

500L Mixing Bucket.....from serial n: MXBC515B-1001

500L Man. Conc. Bucket....from s/n: CB5MADL15B-1001

500L Hyd. Conc. Bucket....from s/n: CB5HYDL15B-1001

800L Man. Conc. Bucket....from s/n: CB8MADL15B-1001

800L Hyd. Conc. Bucket....from s/n: CB8HYDL15B-1001

Original Instructions
First Edition
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TEREX Global GmbH

Bleicheplatz 2
8200 Schaffhausen
Switzerland

Technical Assistance Service
Telephone: +39 075 9418129
+39 075 9418175
e-mail: UMB.Service@terex.com

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Introduction

About This Manual

Genie appreciates your choice of our machine for your application. Our number one priority is user safety, which is best achieved by our joint efforts.
This book is an operation and daily maintenance manual for the user or operator of a Genie machine.

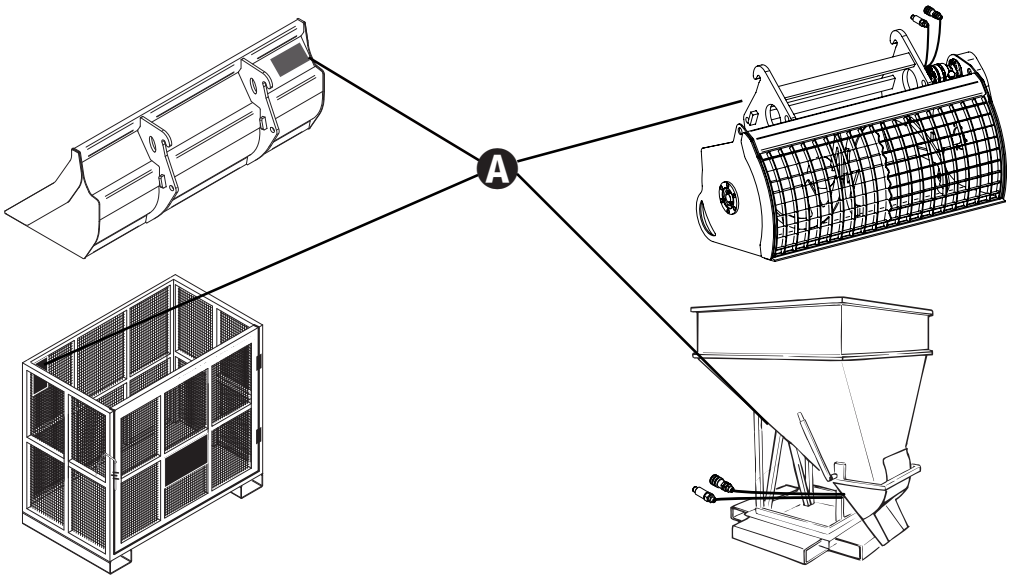
This manual should be considered a permanent part of your machine and should remain with the machine at all times. If you have any questions, contact Genie.

In this manual, the term "machine" can be referred to both the attachment or the truck, according to the context.
This manual shall be used in conjunction with the user manual of the telehandler.

Introduction

Product Identification

The attachment serial number is located on the serial label.



- *500L Loading Shovel 59.0201.9019 GT*
- *800L Loading Shovel 59.0201.9020 GT*
- *800L Loading Shovel 59.0201.9021 GT*
- *800L Loading Shovel 59.0201.9022 GT*
- *Brick-Holder Basket 59.0401.2032 GT*
- *250L Mixing Bucket 59.0401.2018 GT*
- *500L Mixing Bucket 59.0401.2016 GT*
- *500L Man. Concrete Bucket 59.0401.2028 GT*
- *500L Hyd. Concrete Bucket 59.0401.2029 GT*
- *800L Man. Concrete Bucket 59.0401.2030 GT*
- *800L Hyd. Concrete Bucket 59.0401.2031 GT*

Intended Use

The Loading Shovels and Mixing Bucket are designed to move and to mix loose materials. Brick-Holder Basket is designed to lift and lower loose materials.

Use of this product in any other way is prohibited and contrary to its intended use.

Introduction

Bulletin Distribution and Compliance

Safety of product users is of paramount importance to Genie. Various bulletins are used by Genie to communicate important safety and product information to dealers and machine owners.

The information contained in the bulletins is tied to specific machines using the machine model and serial number.

Distribution of bulletins is based on the most current owner on record along with their associated dealer, so it is important to register your machine and keep your contact information up to date.

To ensure safety of personnel and the reliable continued operation of your machine, be sure to comply with the action indicated in a respective bulletin.

Contacting the Manufacturer

At times it may be necessary to contact Genie.

When you do, be ready to supply the model number and serial number of your machine, along with your name and contact information. At minimum, Genie should be contacted for:

- Accident reporting
- Questions regarding product applications and safety
- Standards and regulatory compliance information
- Current owner updates, such as changes in machine ownership or changes in your contact information. See Transfer of Ownership, below.

Transfer of Machine Ownership

Taking a few minutes to update owner information will ensure that you receive important safety, maintenance and operating information that applies to your machine.

Please register your machine by visiting us on the web at www.genielift.co.uk.

Introduction



Danger

Failure to obey the instructions and safety rules in this manual will result in death or serious injury.

Do Not Operate Unless:

☑ You learn and practice the principles of safe attachment operation contained in this operator's manual.
1. Avoid hazardous situations.
Know and understand the safety rules before going on to the next section.
2. Always perform a pre-operation inspection.
3. Always perform function tests prior to use.
4. Only use the machine as it was intended.

☑ You read, understand and obey the manufacturer's instructions and the safety rules, the safety and operator's manuals, and the decals applied on the machine.
☑ You read, understand and obey the employer's safety rules and work-site regulations.
☑ You read, understand and obey all applicable governmental regulations.
☑ You are properly trained to safely operate the machine.

Introduction

Hazard Classification



Safety alert symbol: used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death

DANGER Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE Indicates a property damage message.

Standards

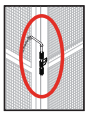
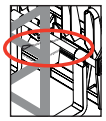
The following standards and/or regulations apply to this machine:

Directive
2006/42/EC Machinery Directive

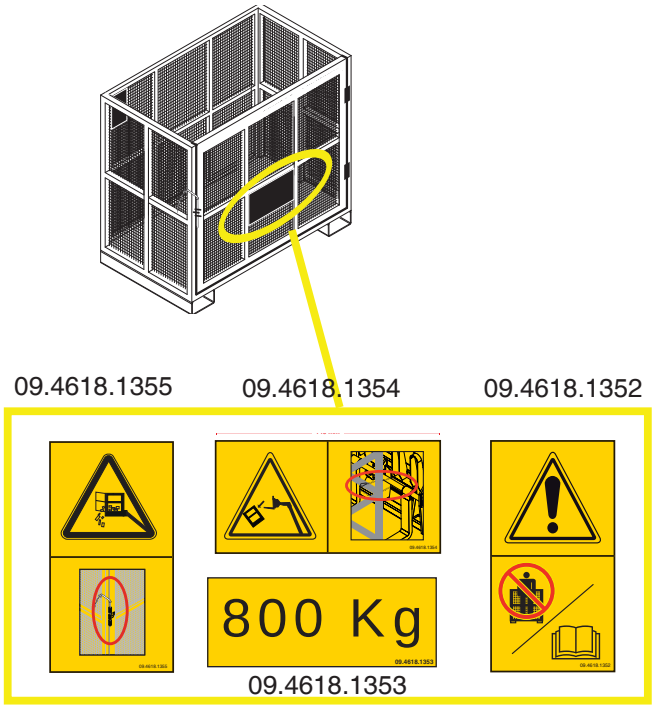
Safety Sign Maintenance

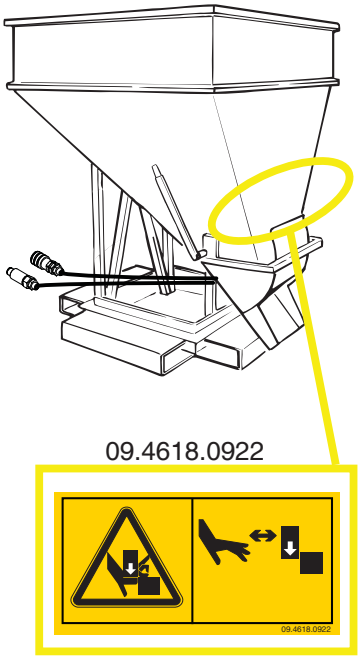
Replace any missing or damaged safety signs. Keep operator safety in mind at all times. Use mild soap and water to clean safety signs. Do not use solvent-based cleaners because they may damage the safety sign material.

Symbol and Hazard Pictorials Definitions

 Falling object Hazard	 Close the gate	 Falling Hazard	 Fix brick holder with Chain to Forks plate
 No ride Brick Holder Basket	 Read the operator's manual	 Crush Hazard	 Keep clear of moving parts

General Safety





Work Area Safety

For work area safety, refer to the same section in the telehandler operator's manual.

Safety Precautions

⚠ Requirements for Machine Operators

Operators who use the machine regularly or occasionally (i.e. for transport reasons) shall have the following prerequisites:
health:
before and during any operation, operators shall never take alcoholic beverages, medicines or other substances that may alter their psycho-physical conditions and, consequently, their working abilities.
physical:
good eyesight, acute hearing, good co-ordination and ability to carry out all required operations in a safe way, according to the instructions of this manual.
mental:
ability to understand and apply the enforced rules, regulations and safety precautions. They shall be careful and sensible for their own as well as for the others' safety and shall desire to carry out the work correctly and in a responsible way.
emotional:
they shall keep calm and always be able to evaluate their own physical and mental conditions.
training:
they shall read and be familiar with this handbook, its enclosed graphs and diagrams, the identification and hazard warning plates. They shall be skilled and trained about the machine use.

The operator shall have a licence (or a driving licence) when provided for by the laws enforced in the country where the machine is operated. Please, ask the competent bodies. In Italy the operator must be at least 18 year old.

⚠ Requirements for Service Personnel

Personnel in charge of the machine maintenance shall be qualified, specialised in the maintenance of telehandlers, and shall have the following prerequisites:
physical:
good eyesight, acute hearing, good co-ordination and ability to carry out all required maintenance operations in a safe way, according to this manual.
mental:
ability to understand and apply the enforced rules, regulations and safety precautions. They shall be careful and sensible for their own as well as for the others' safety and shall desire to carry out the work correctly and in a responsible way.
training:
they shall read and be familiar with this handbook, its enclosed graphs and diagrams, the identification and warning plates. They shall be skilled and trained about the machine functioning.

From a technical point of view, routine maintenance of the machine is not a complex procedure and can be carried out by the machine operator too, provided he has a basic knowledge of mechanics.

Safety Precautions

⚠ Working clothes

During work, but especially when maintaining or repairing the machine, operators must wear suitable protective clothing:

- Overalls or any other comfortable garments. Operators should not wear clothes with large sleeves or objects that can get stuck in moving parts of the machine.
- Protective helmet.
- Protective gloves.
- Working shoes.



Use only approved safety workwear in good condition.

⚠ Personal protective equipment

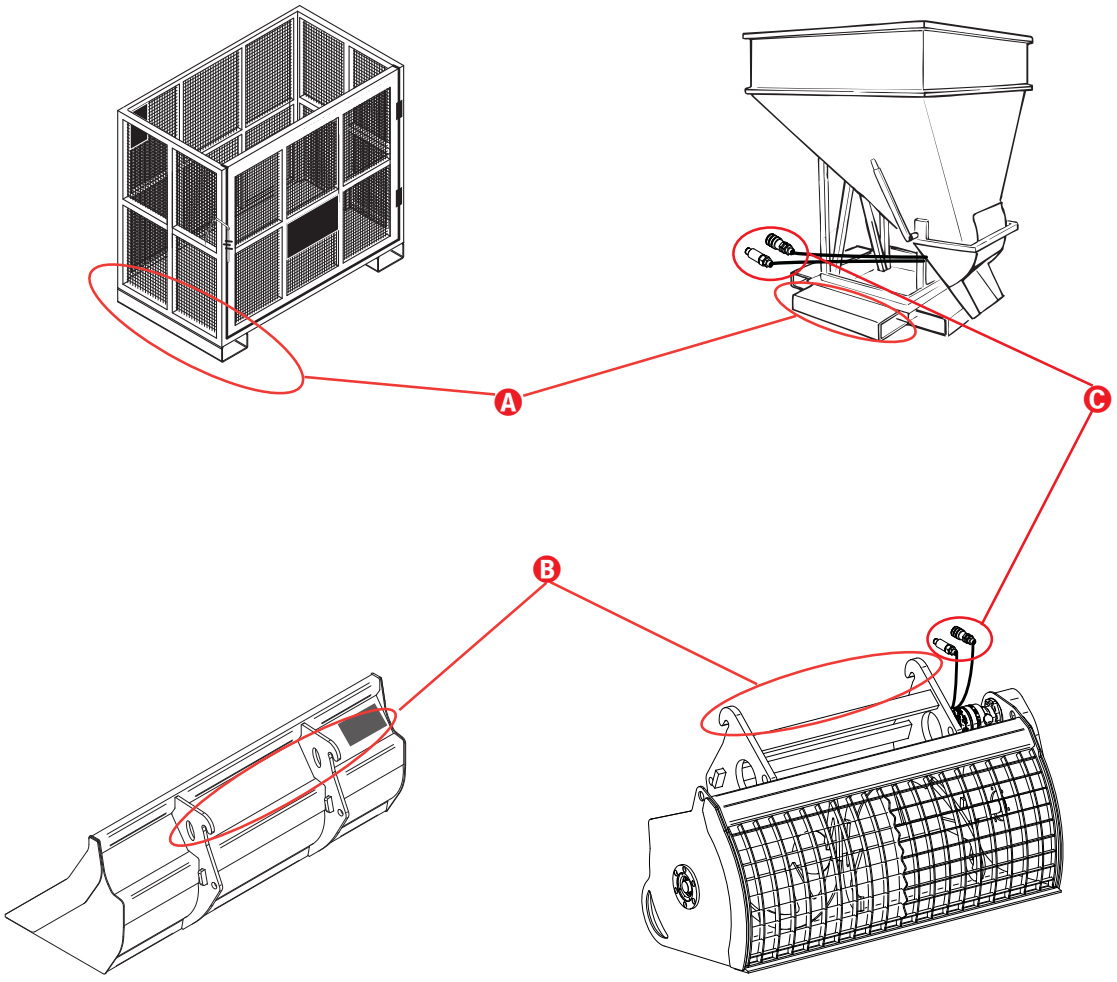
Under special working conditions, the following personal protective equipment should be used:

- Breathing set (or dust mask).
- Ear-protectors or equivalent equipment.
- Goggles or facial masks.

Legend

Shovel, Bucket, Brick-Holder Basket main components

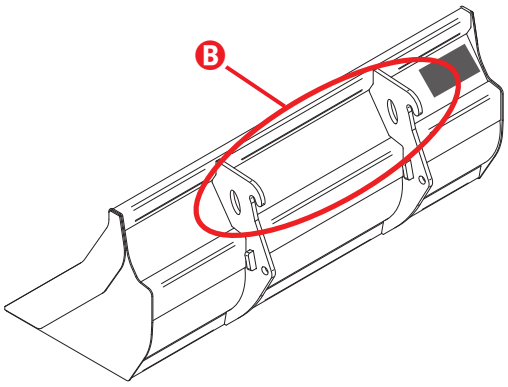
A. Fork Slots
B. Coupling Frame
C. Quick coupling (if any)



Attachment Description

Shovel

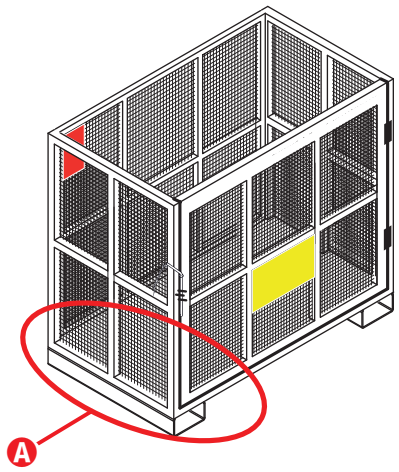
The shovel consists of a welded concave shaped steel structure designed to move and load loose material such as soil, sand debris, inert material.
The main components of this structure are the front blade, which works as the leading edge of the shovel "cutting" the material volume and separating the part which is gathered by the shovel itself, the central concave shell, which provides the volume for the material to be gathered, and the side walls, which laterally close the useful volume of the shovel.
On the rear area of the shovel, there are two shaped plates welded to its main structure and designed to be coupled with the GTH telehandlers standard attachment interface. Considering the typical limitation in the maximum rotation of the attachment articulation, the design of the shovel and its mechanical interface with the attachments articulation is optimized to provide the best compromise in terms of material loading and unloading capabilities.



This equipment is coupled to the telehandler through the coupling frame B

Brick Holder Basket

This attachment is designed to handle bricks pallets, and other materials and to place them where are necessary in the construction working sites.
It consists of a main basket made by welded steel square shaped tubes and steel grids preventing any debris exceeding small sizes that can accidentally drop from the basket when this is operated at height.
A door is hinged on the right side of the basket to make it easier to load and unload the pallets/ materials on/from the basket.
The door can be secured in the closed position by a dedicated latch. The overall basket is installed on a bottom structure having two rectangular hollow shaped steel tubes working as slots for the telehandlers forks.
The longitudinal movement of the basket, when engaged with the forks, is controlled by a chain and a shackle which must be secured before using the basket to handle materials.



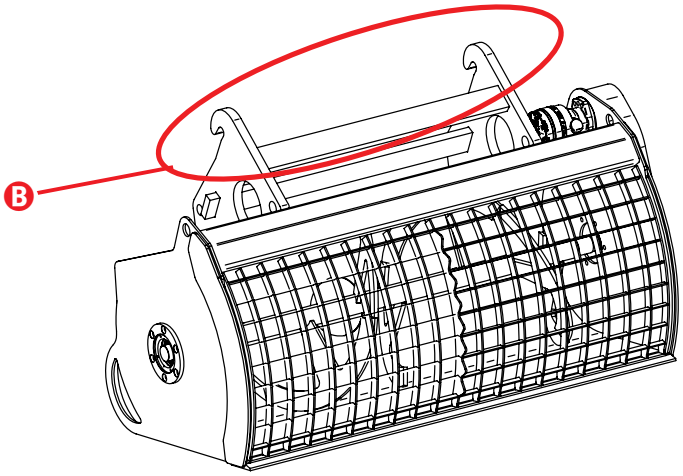
This equipment is coupled to the telehandler through the forks slots A

Attachment Description

Mixing Bucket

This bucket is designed to produce limited volumes of concrete by mixing its main components (cement, aggregates, sand and water) and to discharge such volumes (when the concrete is ready). It mainly consists of a welded concave shaped steel structure designed to gather from ground aggregates, cement and sand, before the concrete mixing phase is started, and then to mix these components with water in order to produce concrete. The main components of this welded structure are the front blade, which works as the leading edge of the bucket “cutting” the material volume and separating the part which is gathered by the bucket itself, the central concave shell, which provides the volume for the material to be gathered and mixed, and the side walls, which laterally close the useful volume of the bucket. To mix the concrete components, a mixing blade made by welded and shaped plates, is provided and installed longitudinally to the main axis of the bucket. This blade rotates on bearings installed on the side walls of the bucket and is powered by a hydraulic motor and a gear box which are located externally of the right side wall of the bucket.

The concrete, after the mixing phase, can be discharged through a dedicated door located on the bottom of the bucket and activated through a mechanism and a hydraulic cylinder. The mixing blade and the concrete discharge door are hydraulically powered through the hydraulic auxiliary line available on the top of the boom. These two functions are controlled by a dedicated radio remote control device which can be operated also by operators working outside of the machine cabin. Before the concrete mixing phase is started, the top of the bucket must be closed by a dedicated door, made by a steel grid and hinged on the top of the rear wall of the bucket, with the aim of protection against moving parts. The steel grid allows the operator to check when the concrete is ready for discharge. On the rear area of the bucket, there are two shaped plates welded to its main structure and designed to be coupled with the GTH telehandlers standard attachments interface.

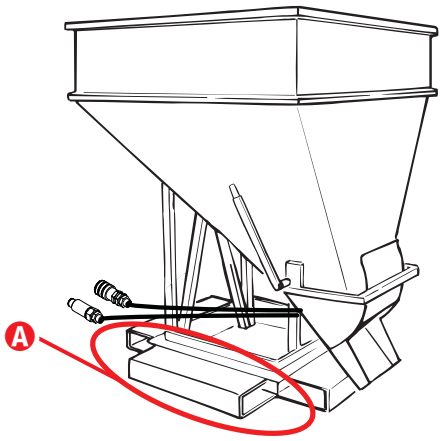


This equipment is coupled to the telehandler through the coupling frame *B*

Attachment Description

Concrete Bucket

The bucket mainly consists of a welded pyramid shaped steel structure designed to handle limited volumes of concrete from one place to another place inside the typical construction working sites and to discharge such volumes of concrete.
This pyramidal structure is open on the top to allow the concrete to be easily loaded and has a section regularly reducing towards the bottom to facilitate the discharge of the concrete.
This discharge operation is allowed by a dedicated steel door, located on the bottom of the bucket which can be activated by a mechanical lever manually moved by the operator or, according to the models selected, by a mechanical articulation which is hydraulically operated through the hydraulic auxiliary line available on the top of the boom.
The overall bucket and door mechanism is installed on a bottom structure having four rectangular hollow shaped steel tubes working as slots for the telehandlers forks.
The longitudinal movement of the bucket, when engaged with the forks, is controlled by a chain and a shackle which must be secured before using the bucket to handle materials.



This equipment is coupled to the telehandler through the forks slots A

Attachment Application Field

The following table represents the application field of attachment installed on Genie telehandlers

	GTH-2506	GTH-4014	GTH-4018	GTH-4016R	GTH-4018R	GTH-5021R
500 L Loading Shovel	×					
800 L Loading Shovel	×	×	×	×	×	×
Brick-Holder Basket	×	×	×	×	×	×
250 L Mixing Bucket	×					
500 L Mixing Bucket		×	×	×	×	×
500 L Manual Concrete Bucket	×	×	×	×	×	×
500 L Hydraulic Concrete Bucket	×	×	×	×	×	×
800 L Manual Concrete Bucket		×	×	×	×	×
800 L Hydraulic Concrete Bucket		×	×	×	×	×

Inspections



Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual and in the telehandler one.

1. Avoid hazardous situations.

2. Always perform a pre-operation inspection.

Know and understand the pre-operation inspection before going on to the next section.

3. Always perform function tests prior to use.

4. Only use the machine as it was intended.

Pre-operation Inspection Fundamentals

It is the responsibility of the operator to perform a pre-operation inspection and routine maintenance.

The pre-operation inspection is a visual inspection performed by the operator prior to each work shift. The inspection is designed to discover if anything is apparently wrong with a telehandler and/or with an equipment before the operator performs the function tests.

The pre-operation inspection also serves to determine if routine maintenance procedures are required. Only routine maintenance items specified in this manual may be performed by the operator.

If damage or any unauthorized variation from factory delivered condition is discovered, the telehandler and/or the equipment must be tagged and removed from service.

Repairs to the telehandler and/or the equipment may only be made by a qualified service technician, according to the manufacturer's specifications. After repairs are completed, the operator must perform a pre-operation inspection again before going on to the function tests.

Scheduled maintenance inspections shall be performed by qualified service technicians, according to the manufacturer's specifications.

Inspections

Pre-operation Inspection

- ❑ Make sure the operator's manuals are intact, legible and placed inside the telehandler.
- ❑ Be sure that all decals are legible and in place.
- ❑ Check for Hydraulic oil leaks.

Checking the following components or areas for damage, improperly installed or missing parts and unauthorized modifications:

- ❑ Hydraulic hoses and fittings
- ❑ Nuts, bolts and other fastners

Check the entire structure for:

- ❑ Cracks on welds or structural components
- ❑ Dents or damage to the structure
- ❑ Excessive rust, corrosion or oxidation

Inspections



Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual and in the telehandler one.

1. Avoid hazardous situations.
2. Always perform a pre-operation inspection.
3. **Always perform function tests prior to use.**

   Know and understand the function tests before going on to the next section.
4. Only use the machine as it was intended.

Function Test Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service. The operator must follow the step-by-step instructions to test all machine functions.

A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

Inspections

Function Tests

Before getting started, refer to telehandler operator's manual.

Test the Control Lever

(at every use)

- Using the control lever, momentarily lock and unlock the attachment for those telehandlers with hydraulic cylinder

⊙ Result: All the functions should operate smoothly.

Test the correct open and close movements of the concrete discharge door (manually or hydraulically powered).

(at every use)

- Using the function enable switch button A move the functions joystick toward right or left to open or close the door of the Concrete Bucket.
- By the mechanical lever momentarily open and close the door of the Concrete Bucket

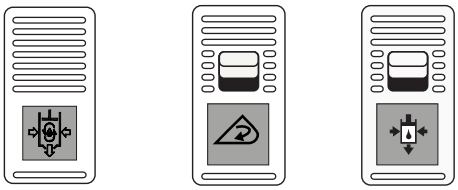
⊙ Result: All the functions should operate smoothly.

Test the Hydraulic movements for Mixing bucket

(at every use)

- Using the dedicated switches on the control panel, check the movement of the mixing blade and the movement of the door.

⊙ Result: All the functions should operate smoothly.

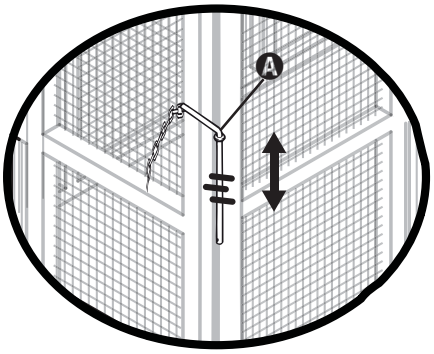


Test the lock system of the Brick-Holder Basket gate.

(at every use)

- Move pin A upwards and open the basket gate. Close the basket gate and move pin A downwards through the hole.

⊙ Result: All the functions should operate smoothly.



Operating Instruction



Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual and in the telehandler one.

1. Avoid hazardous situations.
2. Always perform a pre-operation inspection.
3. Always perform function tests prior to use.
4. **Only use the machine as it was intended.**

Fundamentals

The Operating Instructions section provides instructions for each aspects of machine operation. It is the operator's responsability to follow all the safety rules and instructions in the operator's safety and responsibilities manuals.

Only trained and authorized personnel should be permitted to operate a machine. If more than one operator is expected to use a machine at different times in the same work shift, they must all be qualified operators and are all expected to follow all safety rules and instructions in the operator's, safety and responsibilities manuals.
That means every new operator should perform a pre-operation inspection, function test, and a workplace inspection before using the machine.

Additionally, everyone working on or near the product also needs to be familiar with the applicable safety precautions.

Operating Instruction

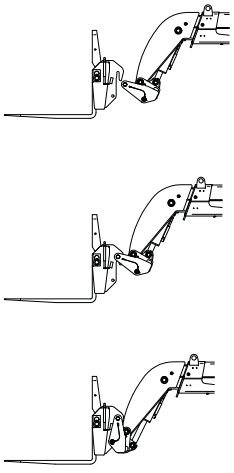
Quick Attach Instructions

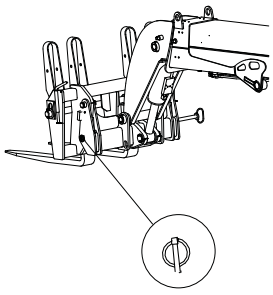
Version with mechanical locking

1 Drive to the place where you will release the mounted attachment (when possible, a solid and sheltered site).
2 Disconnect the quick connectors of the attachment (if any).
3 Pull out the mechanical pin locking the attachment after removing the safety split-pin at its end.
4 Rest the attachment flat on the ground.
5 Pitch the attachment holding frame forward and lower the boom to release the attachment upper lock.
6 Move back with the machine and drive to the new attachment to be coupled.
7 Hold the frame pitched forward and hook the upper lock of the new attachment.
8 Retract and raise the attachment a small distance. It will center automatically on the quick coupling frame.
9 Refit mechanical locking pin fixing it with its safety split-pin.
10 Re-couple the connectors of the attachment (if any).

Version with hydraulic locking *(optional)*

1. Drive to the place where you will release the mounted attachment (when possible, a solid and sheltered site).
2. Disconnect the quick connectors of the attachment (if any).
3. Rest the attachment flat on the ground.
4. Press the Lock/Unlock Enabling Switch and keep it pressed up to the end of Step 5.
5. Free the attachment moving the functions joystick.
6. Pitch the attachment holding frame forward and lower the boom to release the attachment upper lock.
7. Move back with the machine and drive to the new attachment to be coupled.
8. Hold the frame pitched forward and hook the upper lock of the new attachment.
9. Retract and raise the attachment a small distance. It will center automatically on the quick coupling frame.
10. Coupling the attachment moving the functions joystick with the Lock/Unlock Enabling Switch.
11. Re-couple the connectors of the attachment (if any).





Operating Instructions

Operation

Loading Shovel

500L Loading Shovel 59.0201.9019 GT
800L Loading Shovel 59.0201.9020 GT
800L Loading Shovel 59.0201.9021 GT
800L Loading Shovel 59.0201.9022 GT

- Couple the Shovel and hold it in position by means of the attachment locking system (mechanical or hydraulic).
- Engage materials slowly
- To remove the attachment, remove the attachment locking system (mechanical or hydraulic) then carefully tilt the attachment forward, lower the boom resting the attachment on the ground and retract the boom.

Mixing Bucket

250L Mixing Bucket 59.0401.2018 GT
500L Mixing Bucket 59.0401.2016 GT

- Couple the Mixing Bucket and hold it in position by means of the attachment locking system (mechanical or hydraulic)
- Connect the Hydraulic hoselines
- To remove the attachment, remove the attachment locking system (mechanical or hydraulic) then carefully tilt the attachment forward, lower the boom resting the attachment on the ground, disconnect the Hydraulic hoselines, and retract the boom.

⚠ Once the attachment quick connectors have been disconnected from the boom connectors, take care to reconnect them to the proper rest connectors that are present on the Mixing Bucket, in order to prevent impurities from entering the circuit. Carefully protect the rest connectors with the provided plugs when they are not used.

Brick-Holder Basket

Brick-Holder Basket 59.0401.2032 GT

- Couple the Brick-Holder Basket by the forks slots.
- Using the chain and shackle, secure the attachment to the Forks carriage.
- To remove the attachment rest the attachment on the ground, remove the chain and shackle, then reract the boom.

Concrete Bucket

500L Man. Concrete Bucket 59.0401.2028 GT
500L Hyd. Concrete Bucket 59.0401.2029 GT
800L Man. Concrete Bucket 59.0401.2030 GT
800L Hyd. Concrete Bucket 59.0401.2031 GT

- Couple the Concrete Bucket by the forks slots.
- Using the chain and shackle, secure the attachment to the Fork carriage.
- Connect the Hydraulic hoselines.
- To remove the attachment, rest the attachment on the ground, disconnect the Hydraulic hoselines, remove the chain and shackle, then retract the boom.

Load Limiting System control panel

Refer to telehandler operator's manual.

Using The Load Chart

Refer to telehandler operator's manual

Operating Instructions

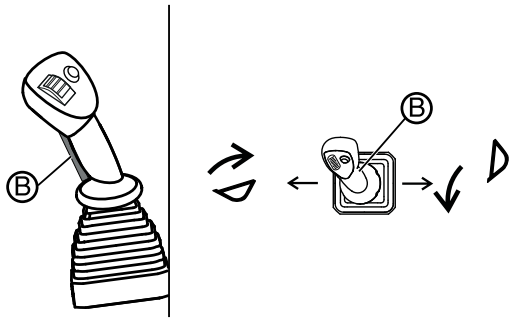
Controller Movements - Functions Joystick - Shovel
GTH-2506, GTH-4014 and GTH-4018

Refer to telehandler operator's manual

⚠ Before discharging the material, make sure that nobody is within its working range.

Press and hold the function enable switch B and move the joystick to the left to tilt the bucket up.

Press and hold the function enable switch B and move the joystick to the right to tilt the bucket down.



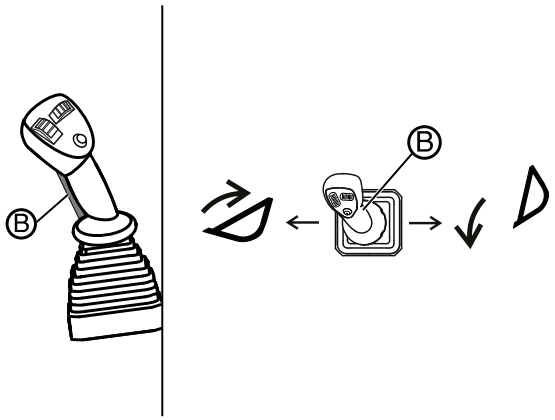
Functions joystick with enable switch (B)

Controller Movements - Functions Joystick - Shovel
GTH-4016R, GTH-4018R and GTH-5021R

Refer to telehandler operator's manual

⚠ Before discharging the material, make sure that nobody is within its working range.

WITH RIGHT JOYSTICK (*Standard Configuration) and with* LEFT JOYSTICK (*Optional Configuration)*



Functions joystick with enable switch (B)

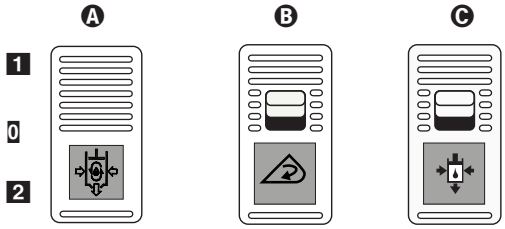
Operating Instructions

Controller Movements - Mixing Bucket

For all the telehandler models

Proceed as follow:
Set the Hydraulic Mixing Bucket Oil Direction Switch A to position 0 and press the Mixing Bucket Switch B to enable the movement of the internal mixer of the bucket. Switch B has a block which can be locked for continuous operation. Before switching to another position, ensure the block is unlocked at the top of switch B.
Setting switch A to position 2 or 1, regulates the oil flow direction, to rotate the mixing blade either clockwise or counterclowise.
To open the bucket door, set switch A to position 0 and press the Auxiliary Hydraulic Circuit Switch C. Then set switch A to position 1 or 2 to open or close the bucket door.
To discharge the concrete, set switch A to position 0, set switch C to position 0, set switch A to position 1 or 2, the mixer start to rotate clockwise or counterclowise, pushing out the concrete.

Phase	Switch	Position	
MIXING	A	0	Stop Oil Flow
	B	1	Enable Mix. Bucket Circuit
	A	1 or 2	Rotate the Mix
OPEN DOOR	A	0	Stop Oil Flow
	C	1	Enable Mix. Bucket Door
	A	1 or 2	Open/Close Bucket Door
DISCHARGE	A	0	Stop Oil Flow
	C	0	Enable Mix. Blade movements
	A	1 or 2	Rotate Mix Blade



⚠ For the use of this equipment and its remote control, please read the specific manual

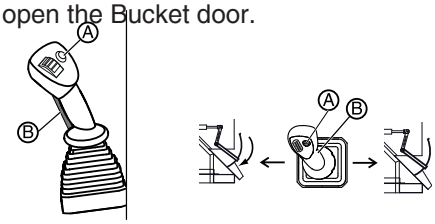
Operating Instructions

Controller movements - Functions Joystick - Hydraulic Concrete Bucket

GTH-2506, GTH-4014, and GTH-4018

⚠ Before discharging the concrete, make sure that nobody is within its working range.

Press and keep switch A and B and move the Function Joystick toward left to close the Bucket door or to the right to open the Bucket door.



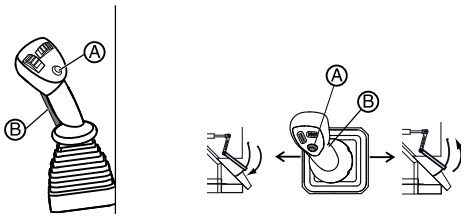
Functions joystick with enable switch (B) and with white thumb switch (A)

Controller movements - Single Functions Joystick - Hydraulic Concrete Bucket

GTH-4016R, GTH-4018R, GTH-5021R

⚠ Before discharging the concrete, make sure that nobody is within its working range.

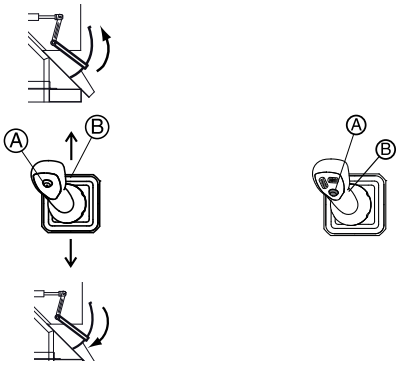
Press and keep switch A and B and move the Function Joystick toward left to close the Bucket door or to the right to open the Bucket door.



Functions joystick with enable switch (B) and with white thumb switch (A)

Controller movements - Dual Functions Joystick - Hydraulic Concrete Bucket

GTH-4016R, GTH-4018R, GTH-5021R



Functions joystick with enable switch (B) and with white thumb switch (A)

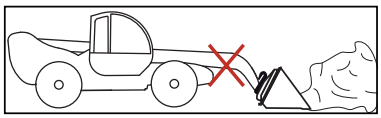
Press and keep switch A and B on the Left Control Joystick and move it toward ahead to open the Bucket door or behind to close the Bucket door.

Operating Instructions

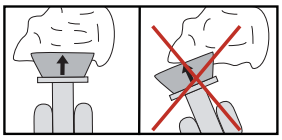
Loading Equipment

Loading the Shovel

- When using a shovel, load the material only when the boom is completely retracted and push against the heap with straight wheels.



- Approach the load to be handled perpendicularly and check that the machine is level on the inclinometer.



- Insert the shovel under the load and raise it some centimetres.
- Pitch the load back to cradle the load.
- Engage materials slowly.

⚠ When loading round-shaped objects (as petrol drums, etc) bind them with straps or ropes and travel at reduced speed.

⚠ Do not use for digging operations.

⚠ Don't use the shovel for rising or transporting people

Loading the Brick-Holder Basket.

- Approach the place where the material is stocked;
- lower the brick-holder basket on the ground;
- open the gate;
- insert the material;
- close the gate and secure it through the dedicated pin **1**.



⚠ Unsecured objects may fall out. Always ensure that the material is completely enclosed by the basket and at the gate is secured prior to lifting/lowering.

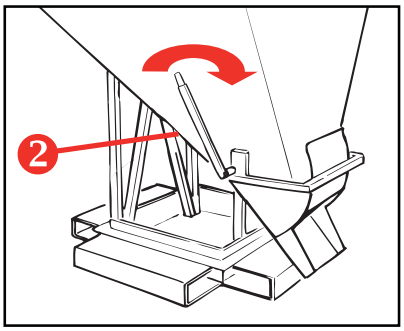
⚠ The brick-holder basket is designed to handle bricks pallets and other materials. IT IS NOT A MAN-PLATFORM. Don't use for elevating or transporting people!



Operating Instructions

Loading the Concrete Bucket

- Approach the place where the material is stocked;
- lower the concrete bucket on the ground;
- ensure that the discharge door is closed; if not, move lever 2 clockwise for the manual version or the functions joystick for the hydraulic one;



- introduce the concrete through the top end.

Loading the Mixing Bucket

⚠ For the use of this equipment please read the specific manual.

Operating Instructions

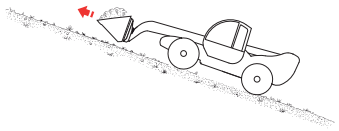
Trasporting the Loaded Material

Once the material is loaded, operate as follow:

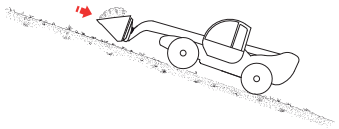
- identify any risks present on the route to be travelled;
- raise the equipment to the transport height of 300-500mm from the ground;
- ensure that the load/attachment is high enough to clear all objects before starting to move;
- avoid excessive rough terrain when travelling;
- consider that when transporting load permissible gradients are 10% downhill, 15% uphill, 5% side;
- initiate movements of the load with the lowest available speed;
- do not allow workers/bystanders to walk or work under the load;
- do not leave the load unattended;
- ensure that all personnel are out of the travel/ lifting hazard zones before operating;



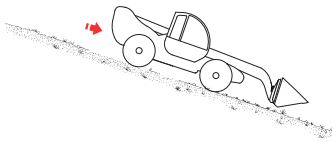
- When driving on a rise with loaded material, proceed in forward gear and travel with load in the lowest possible position.



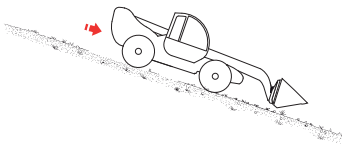
- When sloping downward with loaded material, proceed into reverse.



- When driving on a rise with empty shovel, proceed into reverse.



- When sloping downward with empty shovel, proceed in forward gear.



Load Landing

Before a load is lifted, a place should be prepared where it is to be put down. The nature of the load will determine the type of preparation necessary.

Parking and Storage

Short inactivity and attachment storage

To release the attachment from the telehandler:

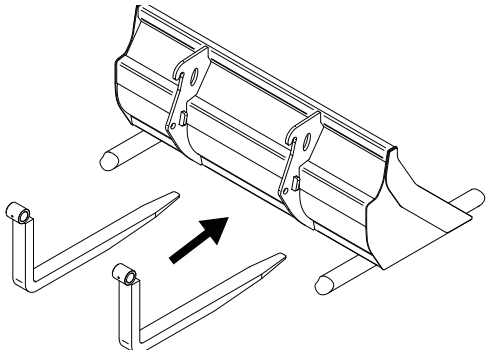
- Approach the place where you will release the equipment
- Lower the equipment on the ground.
- Stop the engine of the telehandler
- Disconnect the hydraulic pipes of the equipment from the boom fittings.
- Restart the engine.
- Operate the joystick to release the equipment from the quick coupling plate.
- Tilt the coupling plate forward and lower the boom to release the upper look of the equipment.
- Move back with the telehandler.

Transport and Lifting Instructions

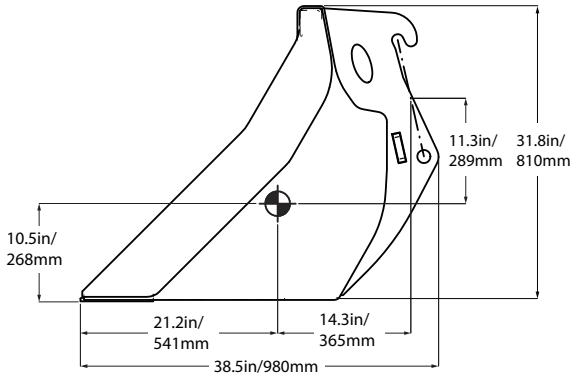
Moving the Equipment

When the equipment shall be moved, use only means having a suitable capacity. The characteristic data are detailed in the relevant chapter of this manual and on the identification plate.

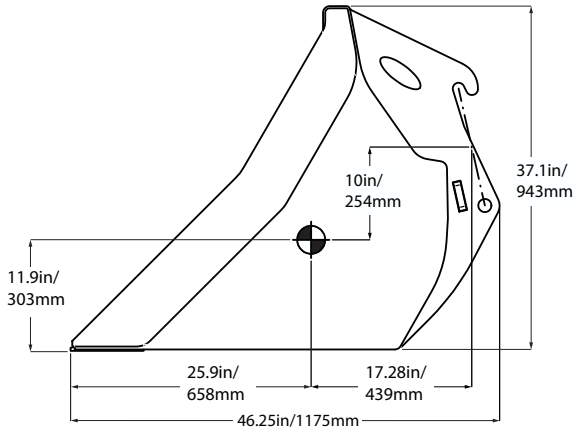
Shovels and Mixing Bukets shall be moved using forks.



- **Shovel 500L** 59.0201.9019GT

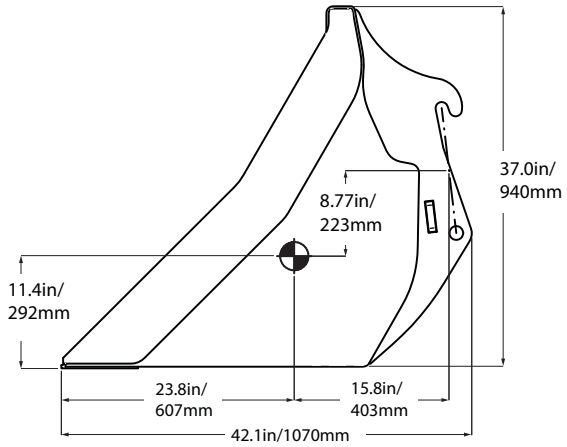


- **Shovel 800L** 59.0201.9020GT

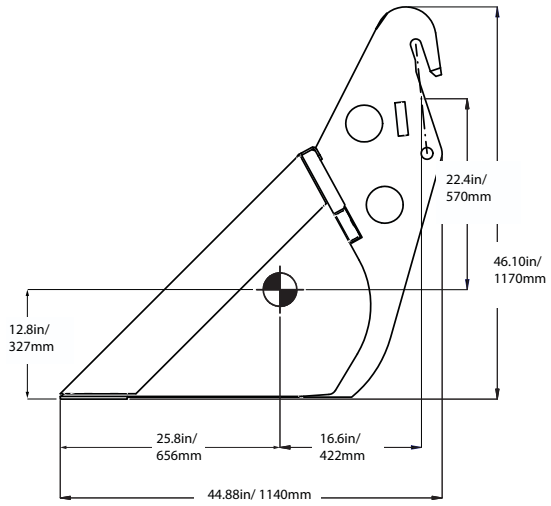


Transport and Lifting Instructions

- **Shovel 800L** 59.0201.9021GT

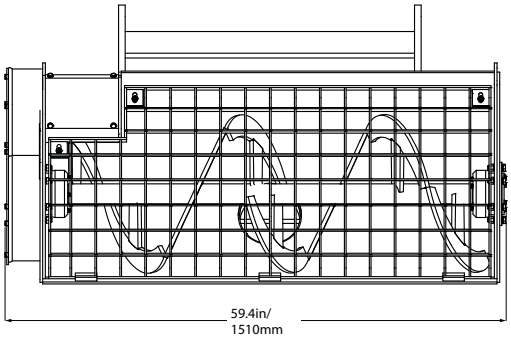


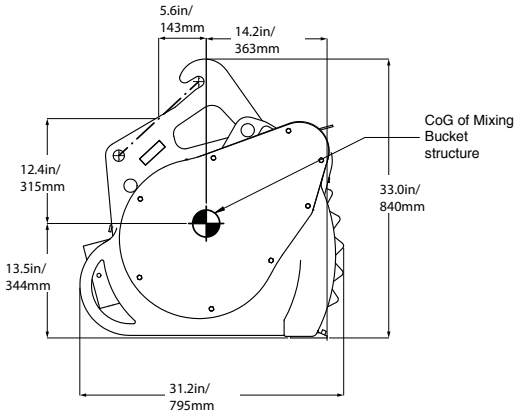
- **Shovel 800L** 59.0201.9022GT

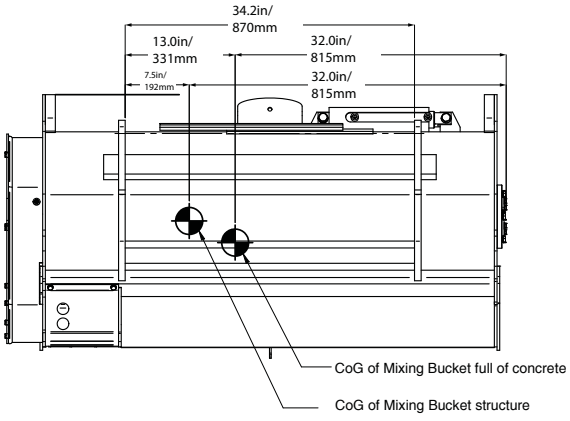


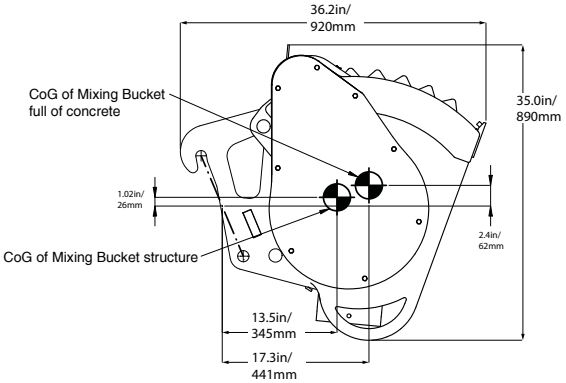
Transport and Lifting Instructions

- **Mixing Bucket 250L** 59.0401.2018GT



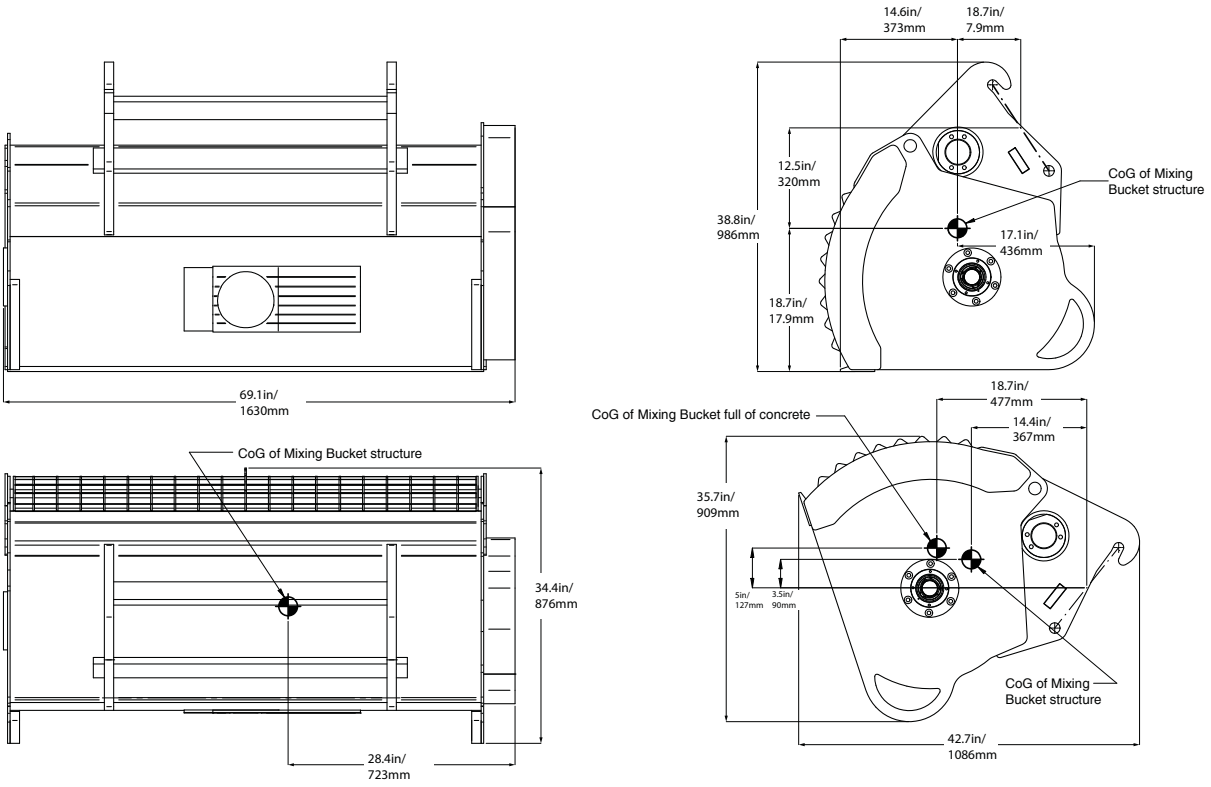






Transport and Lifting Instructions

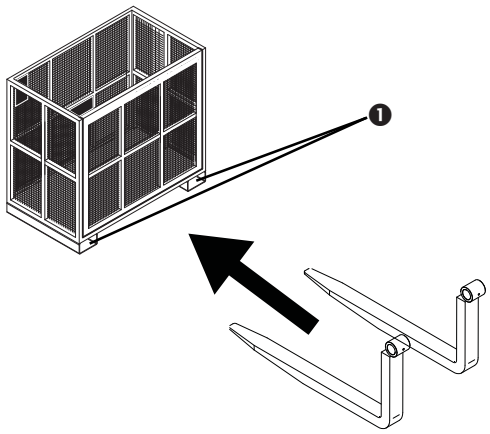
- **Mixing Bucket 500L** 59.0401.2016GT



Transport and Lifting Instructions

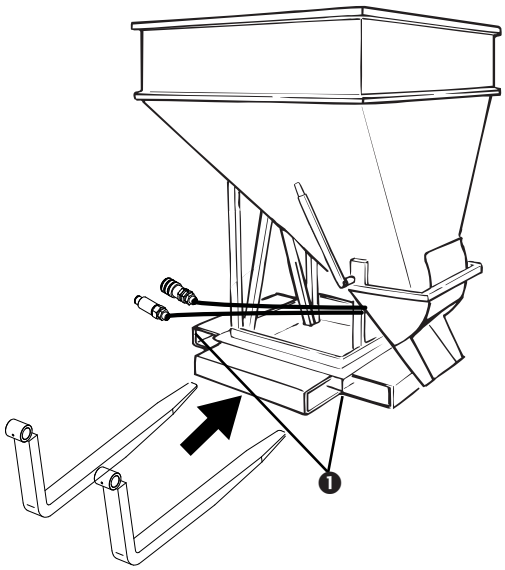
- **Brick-Holder Basket** 59.0401.2032GT

Insert the forks into the dedicated lugs 1



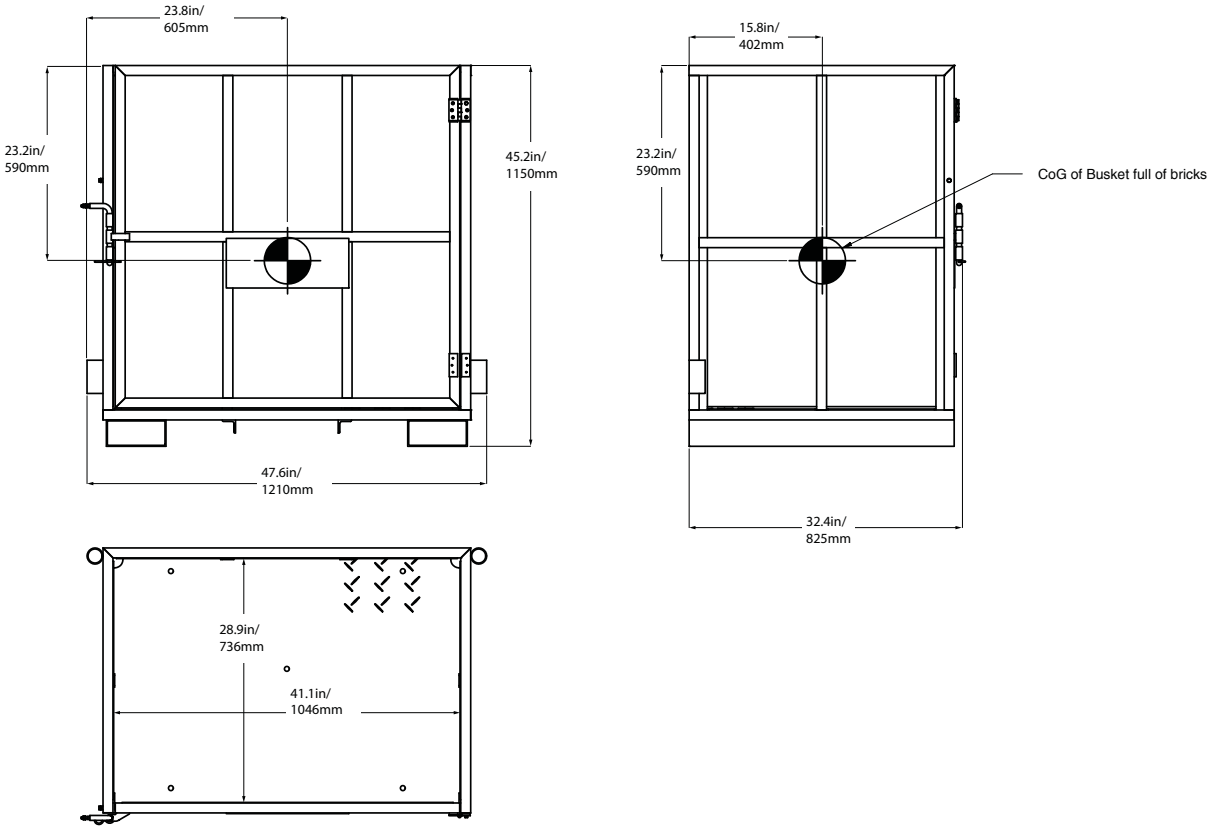
- **Concrete Bucket 500L**
  59.0401.2028GT
  59.0401.2029GT
- **Concrete Bucket 800L**
  59.0401.2030GT
  59.0401.2031GT

Insert the forks into the dedicated lugs 1



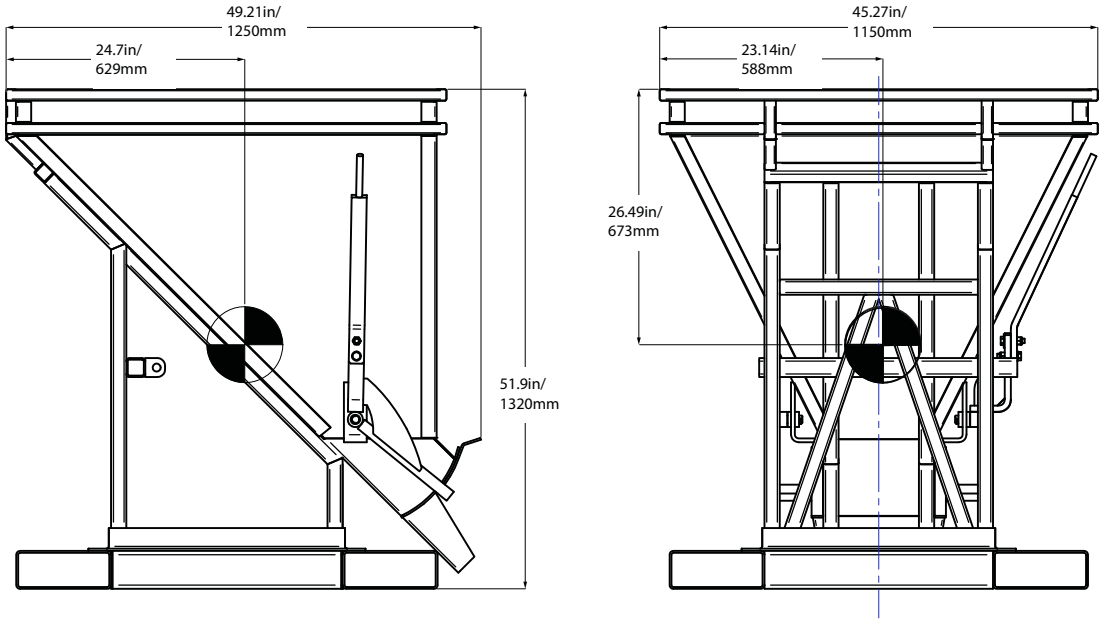
Transport and Lifting Instructions

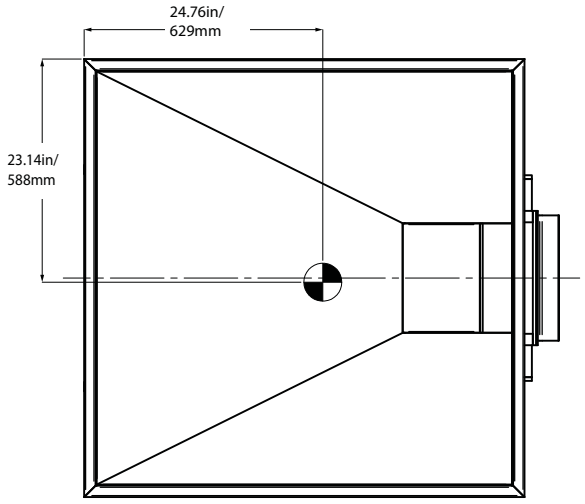
- **Brick-Holder Basket**
  59.0401.2032GT



Transport and Lifting Instructions

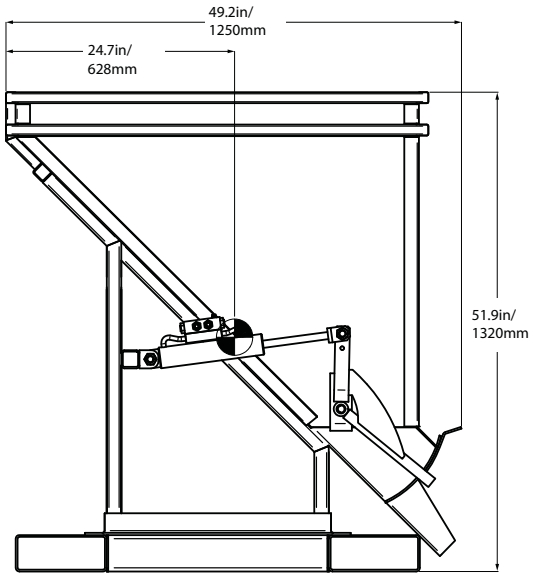
- **Concrete Bucket 500 Manual Discharge**
  59.0401.2028GT

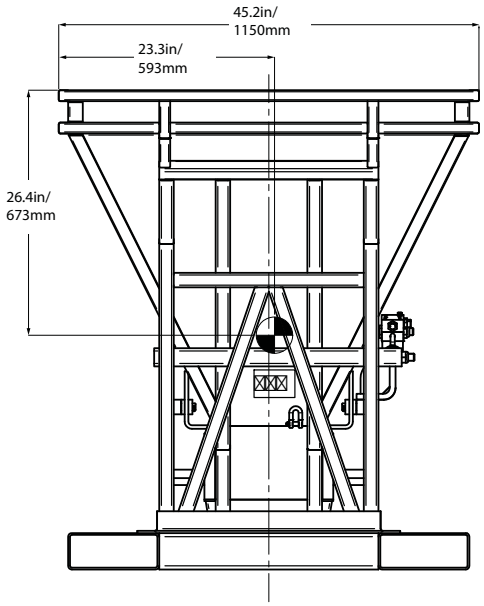


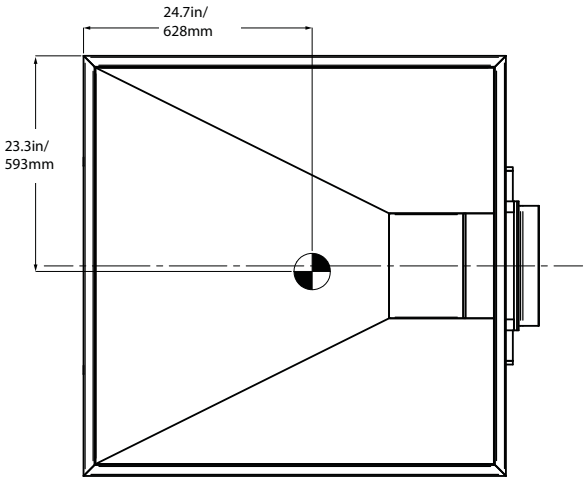


Transport and Lifting Instructions

- **Concrete Bucket 500 L Hydraulic Discharge**
  59.0401.2029GT

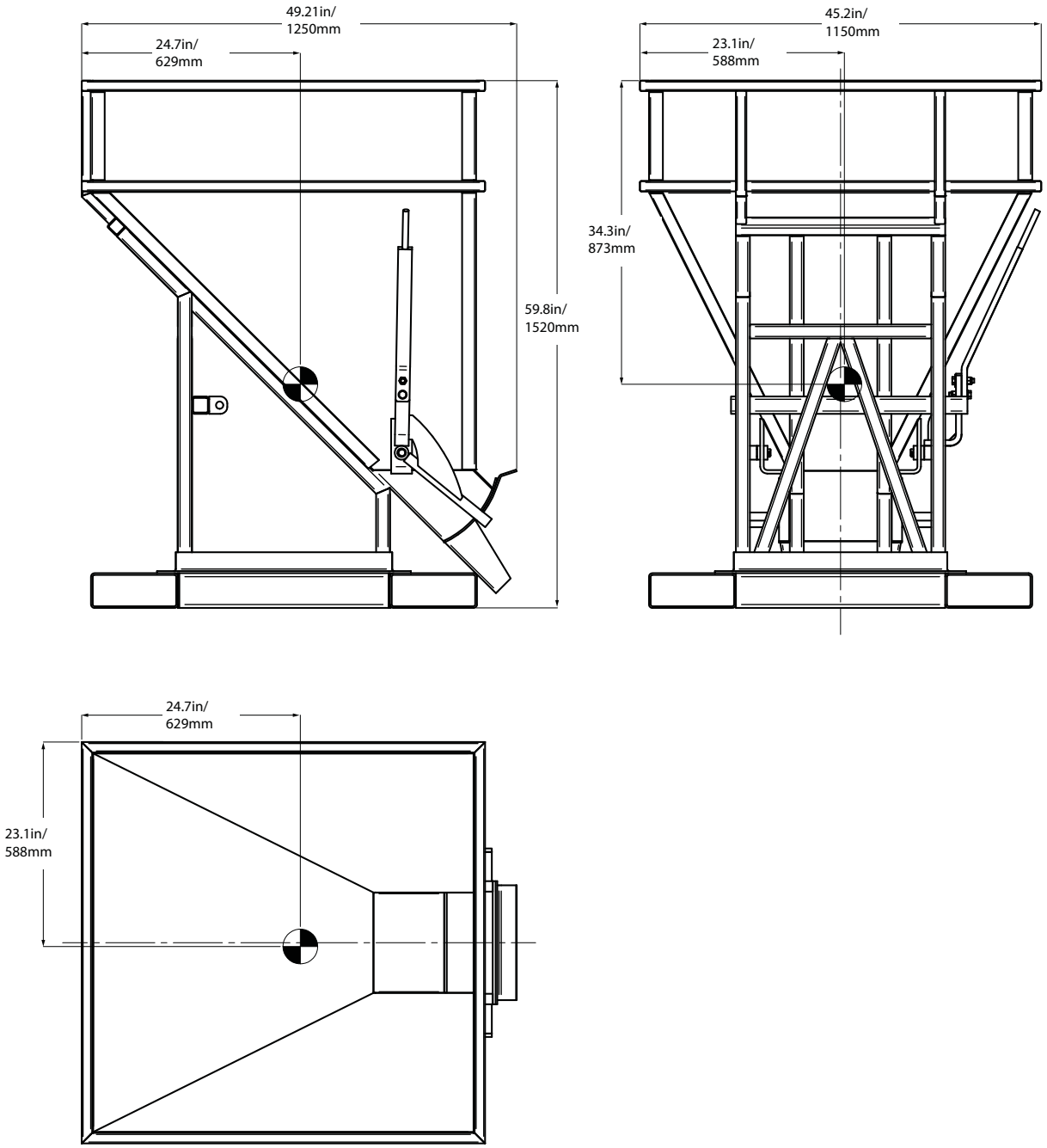






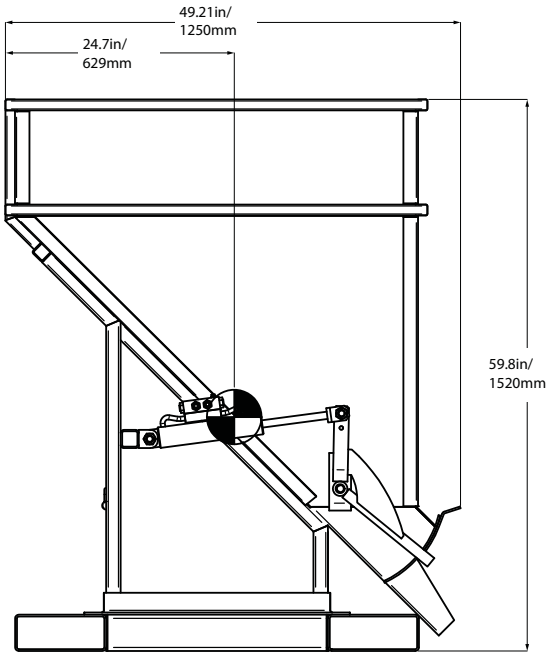
Transport and Lifting Instructions

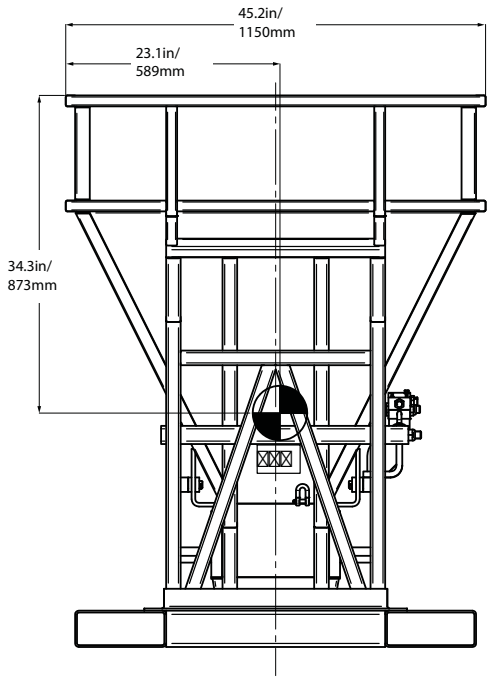
- **Concrete Bucket 800L Manual Discharge**
  59.0401.2030G

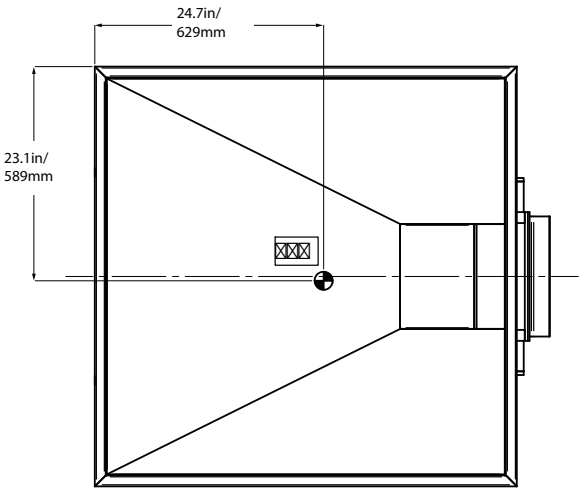


Transport and Lifting Instructions

- **Concrete Bucket 800L Hydraulic Discharge**
  59.0401.2031GT







Maintenance



Observe and Obey:

☑ Only routine maintenance items specified in this manual shall be performed by the operator.

☑ Scheduled maintenance inspections shall be completed by qualified service technicians, according to the manufacturer's specifications and the requirements specified in the responsibilities manual.

Maintenance Symbols Legend

The following symbols have been used in this manual to help communicate the intent of the instructions. When one or more of the symbols appear at the beginning of a maintenance procedure, it conveys the meaning below.



Indicates that tools will be required to perform this procedure.



Indicates that new parts will be required to perform this procedure.



Indicates that a cold engine will be required to perform this procedure.

Maintenance

Scheduled Maintenance

Machines that have been out of service for more than three months must receive the quarterly inspection before they are put back into service.

Model
Serial number
Date
Hour meter
Machine owner
Inspected by (print)
Inspector signature
Inspector title
Inspector company

Instructions

- Make copies of this report to use for each inspection.
- Select the appropriate checklist(s) for the type of inspection to be performed.

☐ **Daily or 8 hours**

Inspection: A

- Place a check in the appropriate box after each inspection procedure is completed.
- Use the step-by-step procedures in this section to learn how to perform these inspections.
- If any inspection receives an "N", tag and remove the machine from service, repair and re-inspect it. After repair, place a check in the "R" box.

Checklist A	Y	N	R
A-1 Manuals and decals			
A-2 Pre-operation inspect			
A-3 Function tests			
A-4 Checking the Chains			

Maintenance

A-1
Inspect the Manuals and Decals

Genie specifications require that this procedure be performed every 8 hours or daily, whichever comes first.

Maintaining the operator's and safety manuals in good condition is essential to safe machine operation. Manuals are included with each machine and should be stored in the container provided in the operator's compartment. An illegible or missing manual will not provide safety and operational information necessary for a safe operating condition.

In addition, maintaining all of the safety and instructional decals in good condition is mandatory for safe machine operation. Decals alert operators and personnel to the many possible hazards associated with using this machine. They also provide users with operation and maintenance information. An illegible decal will fail to alert personnel of a procedure or hazard and could result in unsafe operating conditions.

1 Check to make sure that the operator's and safety manuals are present and complete in the storage container in the operator's compartment.

2 Examine the pages of each manual to be sure that they are legible and in good condition.

⊙ Result: The operator's manual is appropriate for the machine and all manuals are legible and in good condition.

⊗ Result: The operator's manual is not appropriate for the machine or all manuals are not in good condition or is illegible. Remove the machine from service until the manual is replaced.

3 Open the operator's manual to the decals inspection section. Carefully and thoroughly inspect all decals on the machine for legibility and damage.

⊙ Result: The machine is equipped with all required decals, and all decals are legible and in good condition.

⊗ Result: The machine is not equipped with all required decals, or one or more decals are illegible or in poor condition. Remove the machine from service until the decals are replaced.

4 Always return the manuals to the storage container after use.

Note: Contact your authorized Genie distributor or Genie Industries if replacement manuals or decals are needed.

Maintenance

A-2
Perform Pre-operation Inspection

Genie specifications require that this procedure be performed every 8 hours or daily, whichever comes first.

Completing a Pre-operation Inspection is essential to safe machine operation. The Pre-operation Inspection is a visual inspection performed by the operator prior to each work shift. The inspection is designed to discover if anything is apparently wrong with a machine before the operator performs the function tests. The Pre-operation Inspection also serves to determine if routine maintenance procedures are required.

A-3
Perform Function Tests

Genie specifications require that this procedure be performed every 8 hours or daily, whichever comes first.

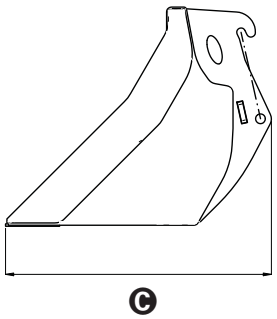
Completing the function tests is essential to safe machine operation. Function tests are designed to discover any malfunctions before the machine is put into service. A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service.

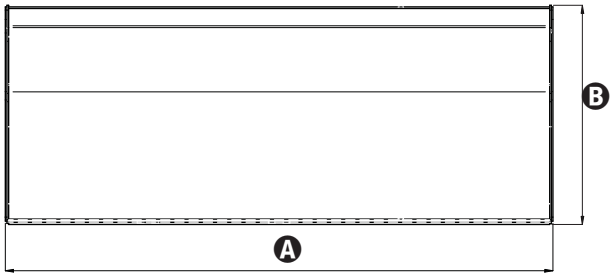
A-4
Check the Chains

Check the Chains and shackles used to fix the Concrete Buckets and Brick-Holder Basket to the fork carriage.

Specification

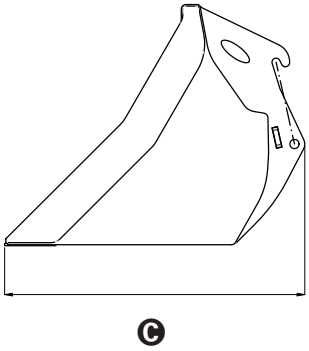
Loading Shovel 500L
part number 59.0201.9019GT
for GTH-2506

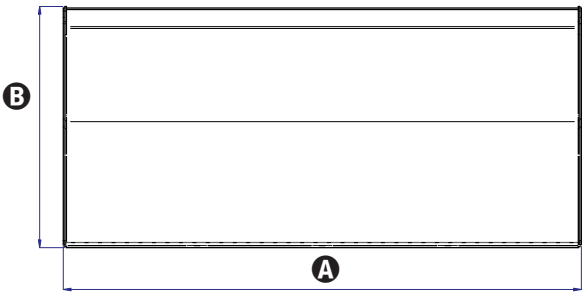




TECHNICAL DATA		
A	Width	2024
B	Height	810 mm
C	Length	980 mm
	Weight	355 Kg
	Payload	500 L
	CoG Width	1012 mm
	CoG Height	268 mm
	CoG Length	541 mm

Loading Shovel 800L
part number 59.0201.9020GT
for GTH-2506

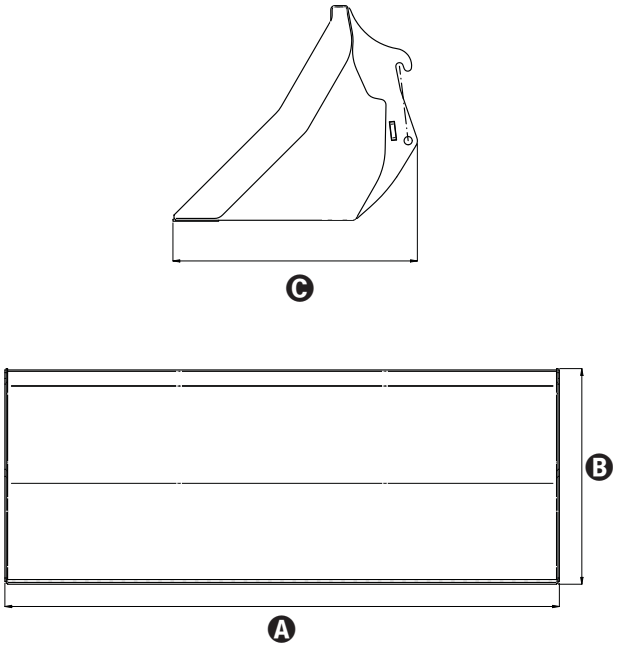




TECHNICAL DATA		
A	Width	2024 mm
B	Height	940 mm
C	Length	1175 mm
	Weight	420 kg
	Payload	800 L
	Cog Width	1012 mm
	CoG Height	303 mm
	CoG Length	658 mm

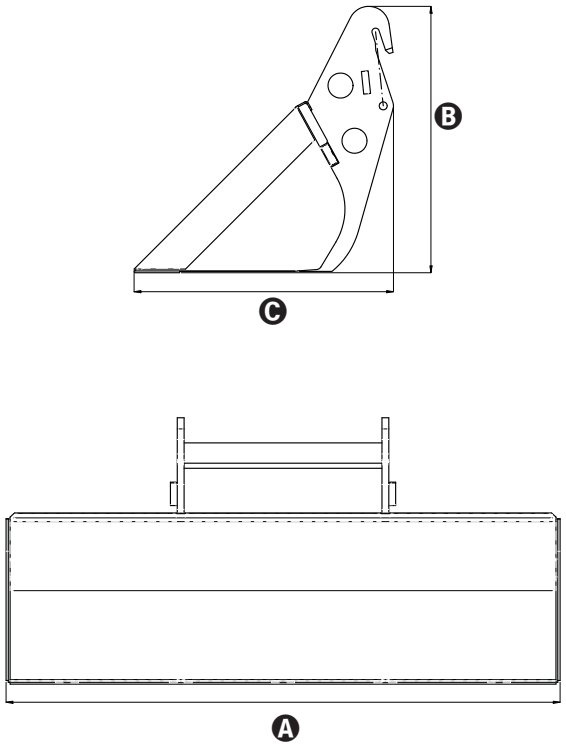
Specification

Loading Shovel 800L
part number 59.0201.9021GT
for GTH-4014,GTH-4018, GTH-5021R



TECHNICAL DATA		
A	Width	2435
B	Height	940 mm
C	Length	1070 mm
	Weight	450 Kg
	Payload	800 L
	CoG Width	1217.5 mm
	CoG Height	292 mm
	CoG Length	607 mm

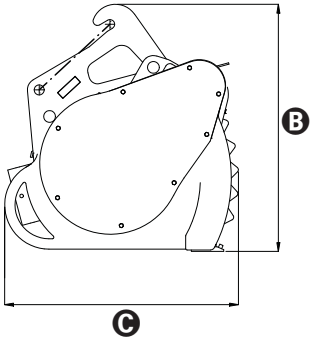
Loading Shovel 800L
part number 59.0201.9022GT
for GTH-4016R, GTH-4018R

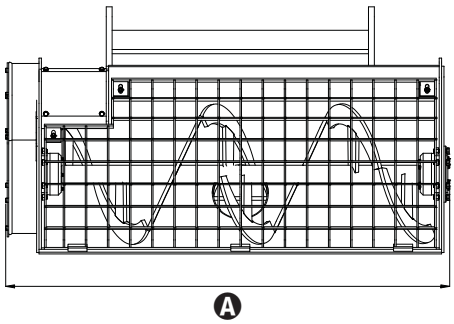


TECHNICAL DATA		
A	Width	2435 mm
B	Height	1170 mm
C	Length	1140 mm
	Weight	510 Kg
	Payload	800 L
	CoG Width	1217.5 mm
	CoG Height	327 mm
	CoG Length	656 mm

Specification

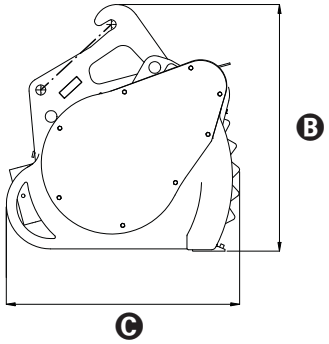
Mixing Bucket 250L
part number 59.0401.2018GT
for GTH-2506

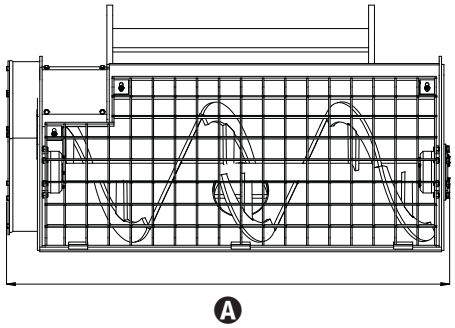




TECHNICAL DATA		
A	Width	1510 mm
B	Height	840 mm
C	Length	795 mm
	Weight	460 Kg
	Payload	250 L
	CoG Width	953 mm
	CoG Height	344 mm
	CoG Length	363 mm

Mixing Bucket 500L
part number 59.0401.2016GT
for GTH-4014, GTH-4018

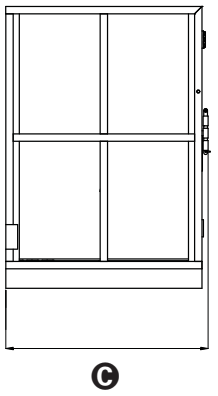


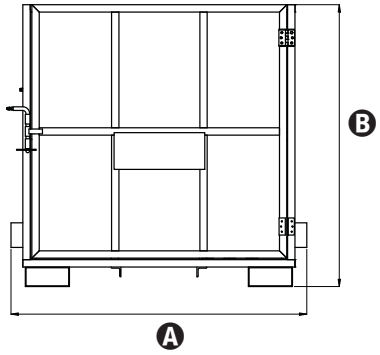


TECHNICAL DATA		
A	Width	1650 mm
B	Height	990 mm
C	Length	880 mm
	Weight	550 Kg
	Payload	500 L
	CoG Width	723 mm
	CoG Height	456 mm
	CoG Length	373 mm

Specification

Brick-Holder Basket
part number 59.0401.2032GT
for all the range.

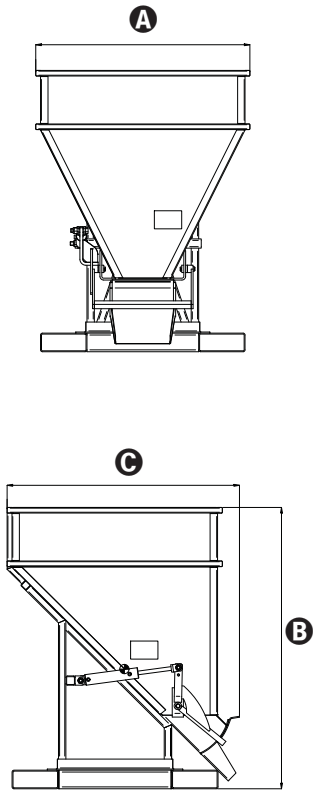




TECHNICAL DATA		
A	Width	1210 mm
B	Height	1150 mm
C	Length	825 mm
	Weight	120 Kg
	Payload	500 L
	CoG Width	605 mm
	CoG Height	590 mm
	CoG Length	402 mm

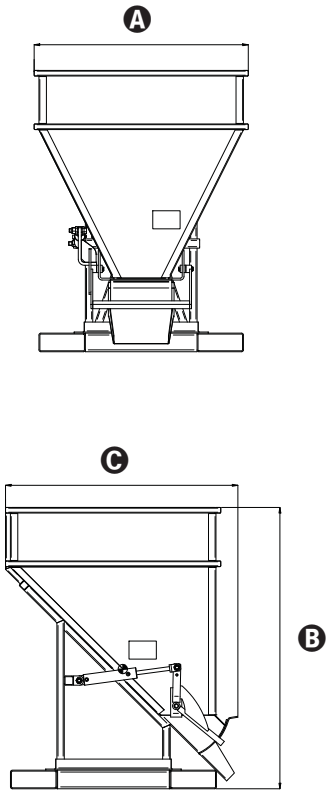
Specification

500L Manual Concrete Bucket
part number 59.0401.2028GT
for all the range



TECHNICAL DATA		
A	Width	1110 mm
B	Height	1320 mm
C	Lenght	1110 mm
	Weight	230 Kg
	Payload	500 L
	CoG Width	588 mm
	CoG Height	673 mm
	CoG Length	629 mm

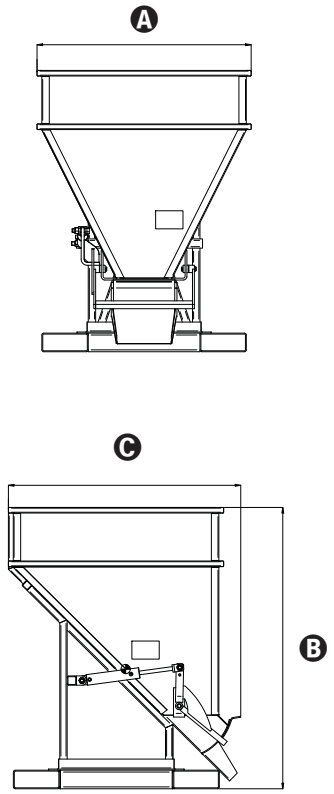
500L Hydraulic Concrete Bucket
part number 59.0401.2029GT
for all the range



TECHNICAL DATA		
A	Width	1110 mm
B	Height	1320 mm
C	Lenght	110 mm
	Weight	244 Kg
	Payload	500 L
	CoG Width	593 mm
	CoG Height	673 mm
	CoG Length	628 mm

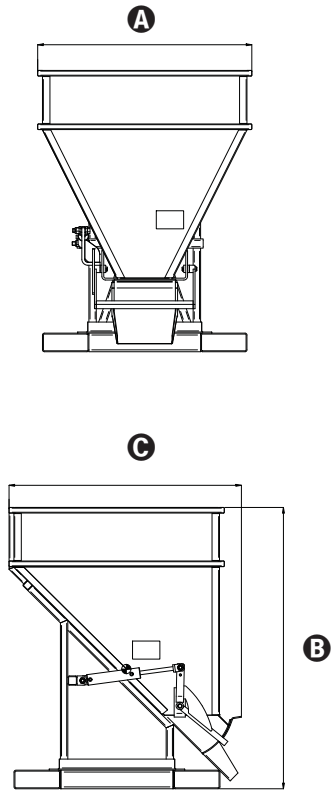
Specification

800L Manual Concrete Bucket
part number 59.0401.2030GT
for GTH-4014, GTH-4018, GTH-4016R, GTH-4018R



TECHNICAL DATA		
A	Width	1110 mm
B	Height	1520 mm
C	Lenght	1110 mm
	Weight	250 Kg
	Payload	800 L
	CoG Width	588 mm
	CoG Height	873 mm
	CoG Length	629 mm

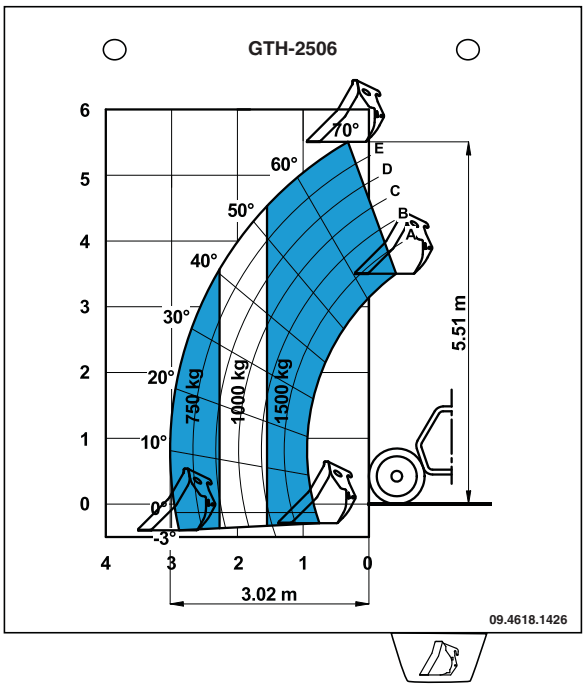
800L Hydraulic Concrete Bucket
part number 59.0401.2031GT
for GTH-4014, GTH-4018, GTH-4016R, GTH-4018R



TECHNICAL DATA		
A	Width	1110 mm
B	Height	1520 mm
C	Lenght	1110 mm
	Weight	264 Kg
	Payload	800 L
	CoG Width	589 mm
	CoG Height	873 mm
	CoG Length	629 mm

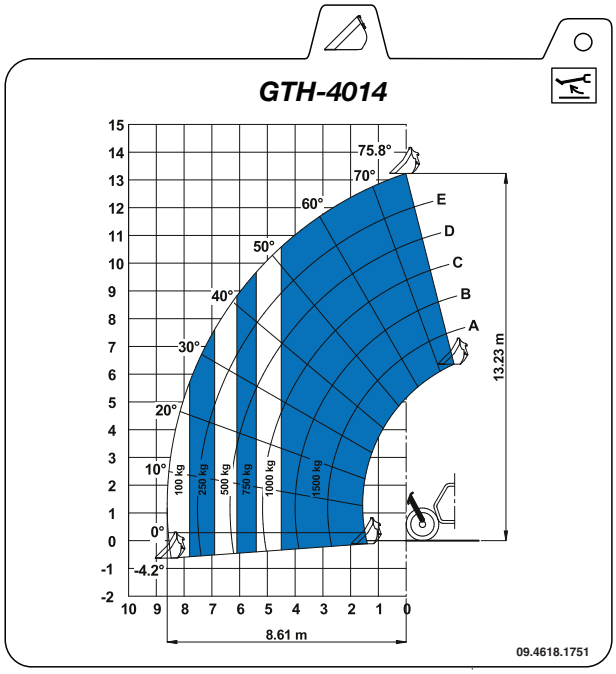
Load Charts

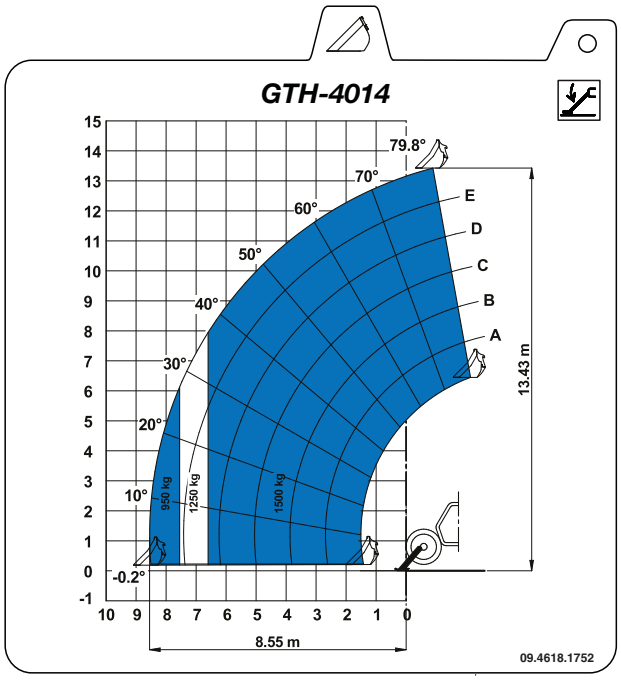
GTH-2506, Loading Shovel and Mixing Bucket 250L



Load Charts

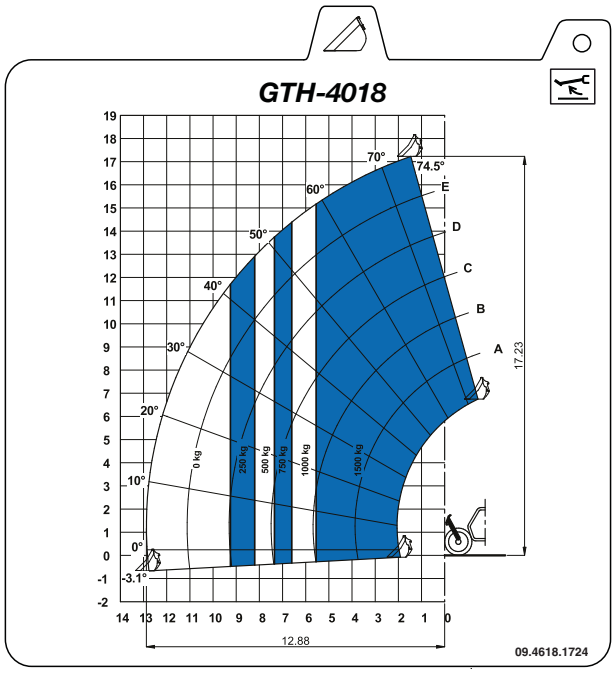
GTH-4014, Loading Shovel and Mixing Bucket 500L

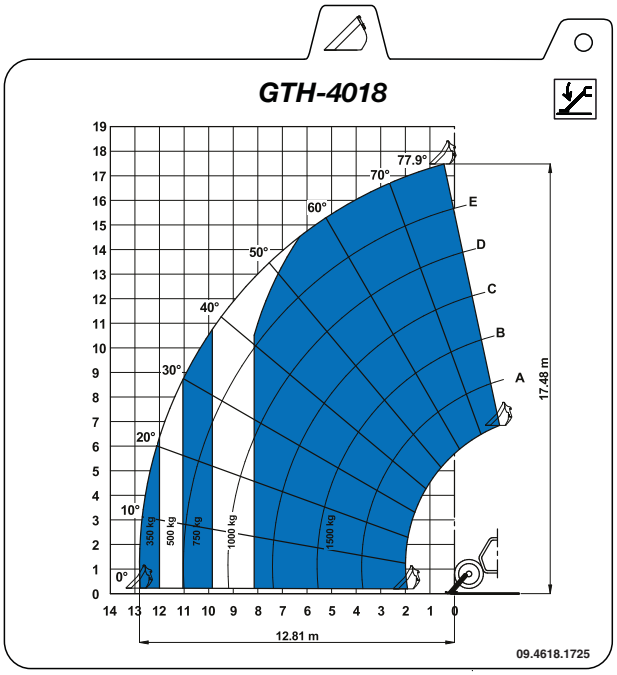




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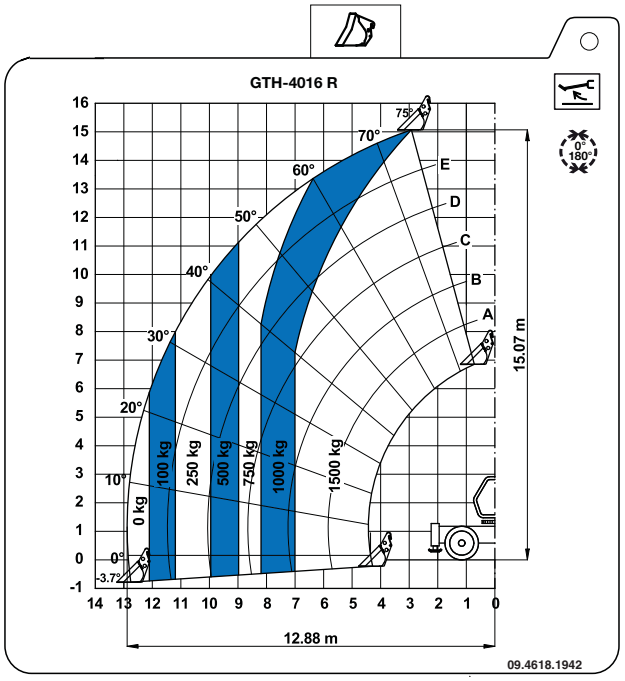
GTH 4018, Loading Shovel and Mixing Bucket 500L

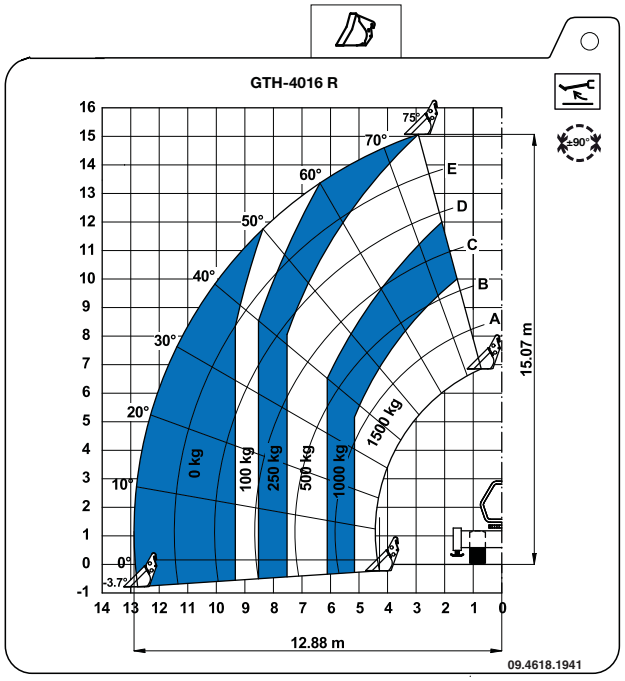




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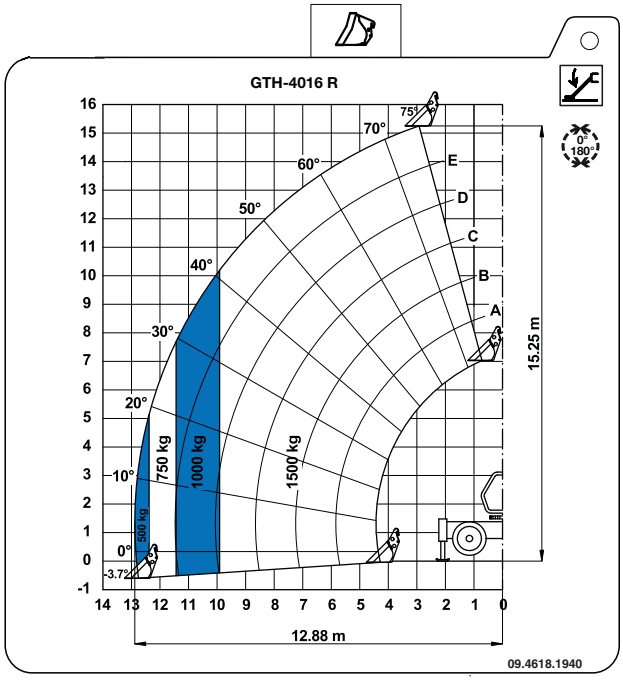
GTH-4016R, Loading Shovel and Mixing Bucket

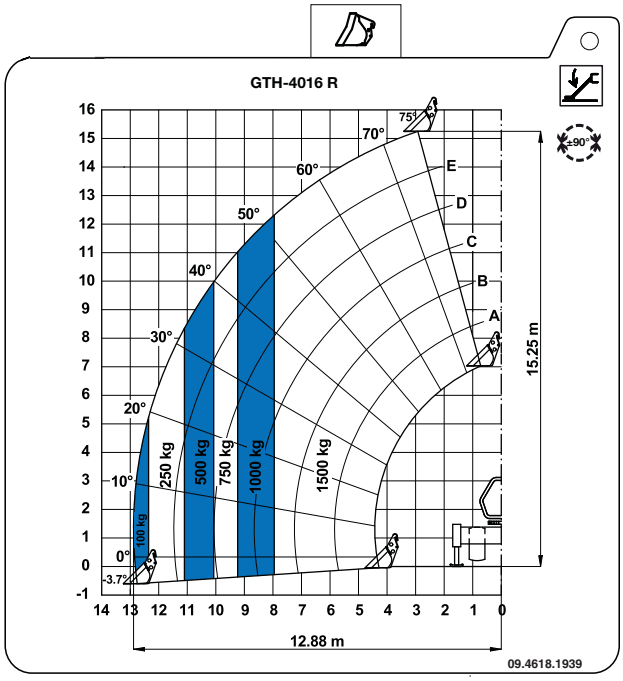




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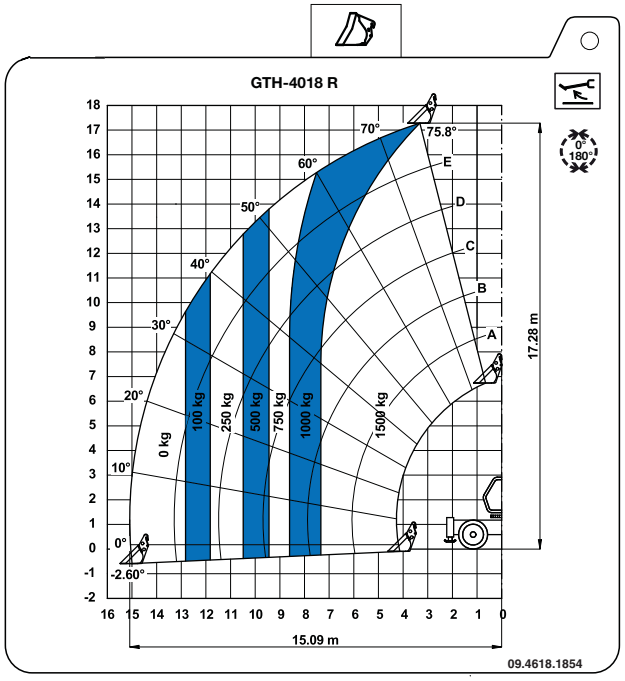
GTH-4016R, Loading Shovel and Mixing Bucket

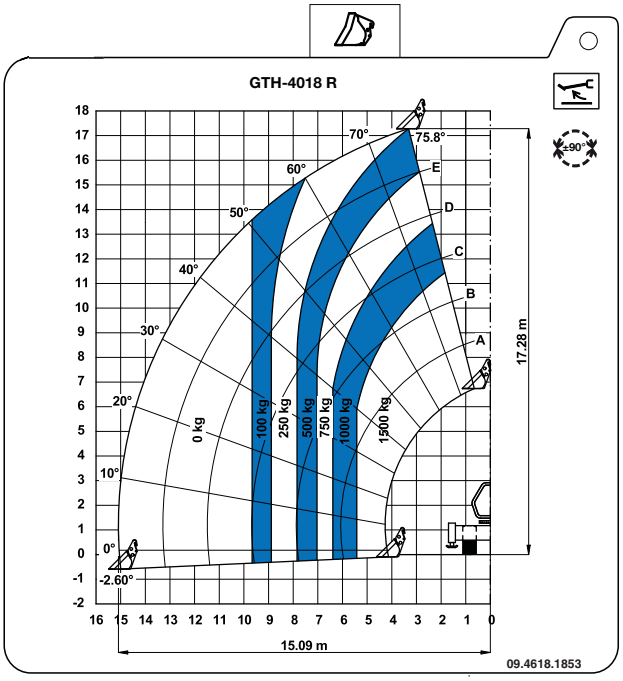


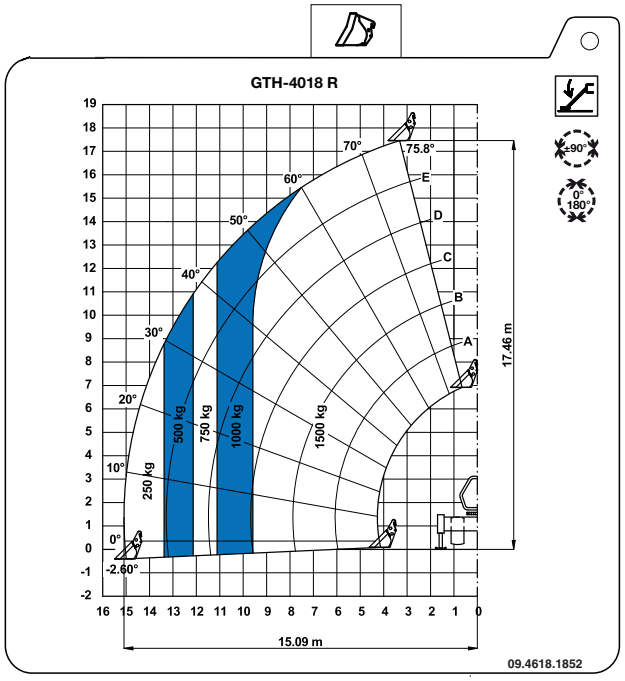


Load Charts

GTH-4018R, Loading Shovel and Mixing Bucket

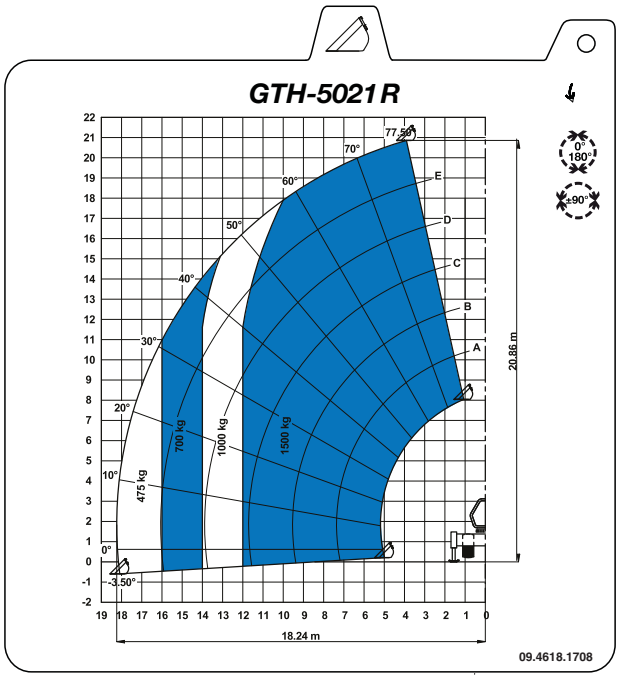


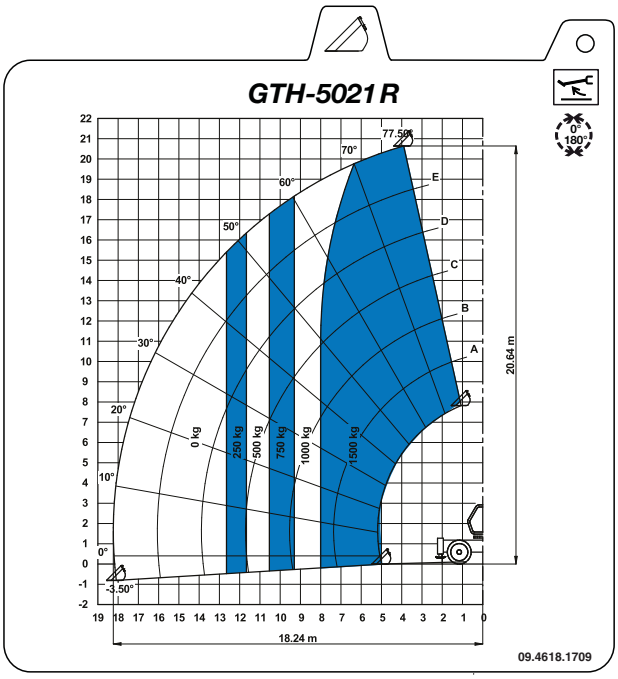


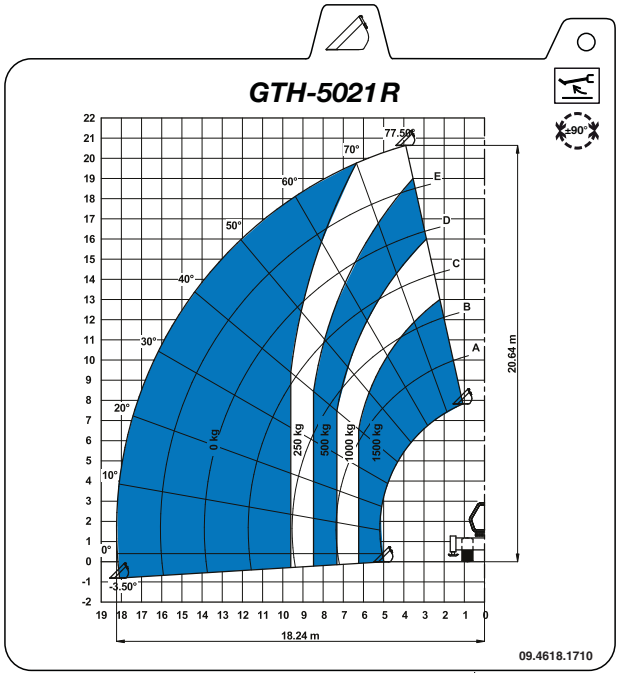


Load Charts

GTH-5021R, Loading Shovel and Mixing Bucket

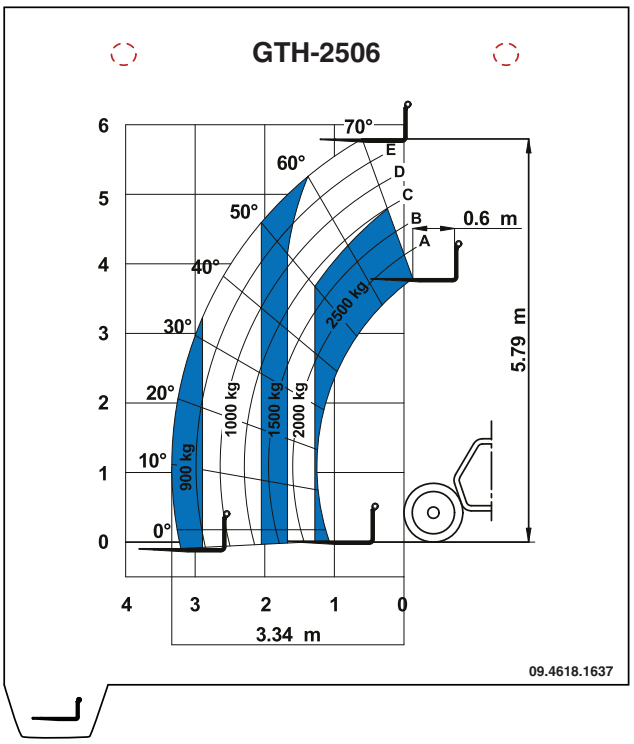






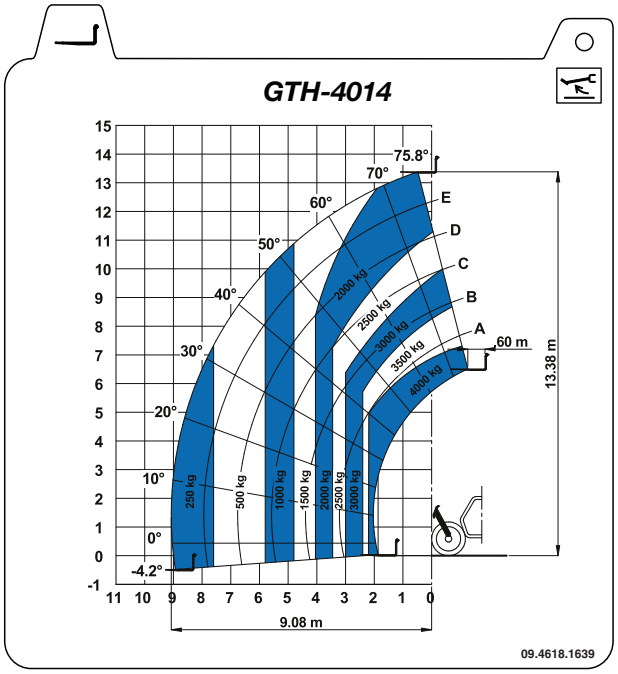
Load Charts

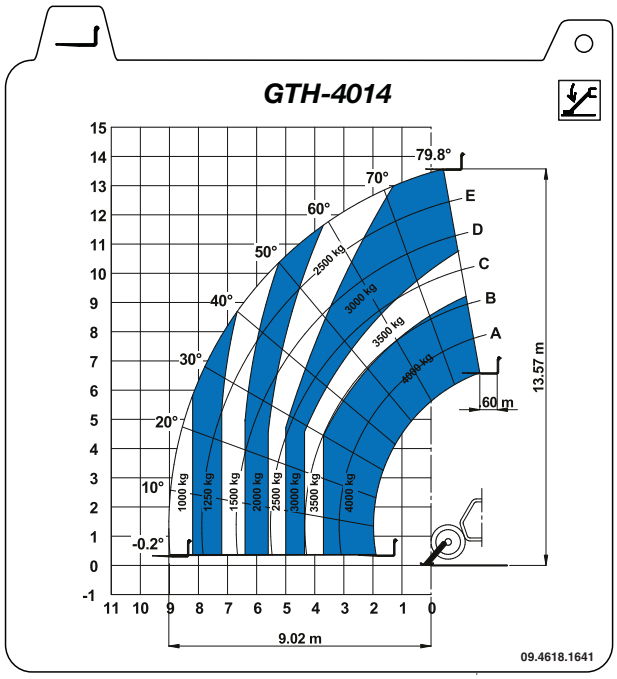
GTH-2506, Brick-Holder Basket and Concrete Bucket



Load Charts

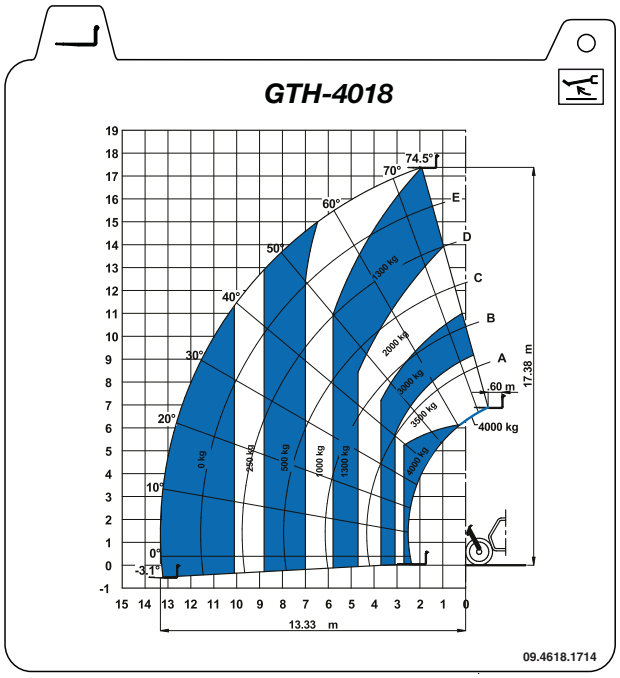
GTH-4014, Brick-Holder Basket and Concrete Bucket

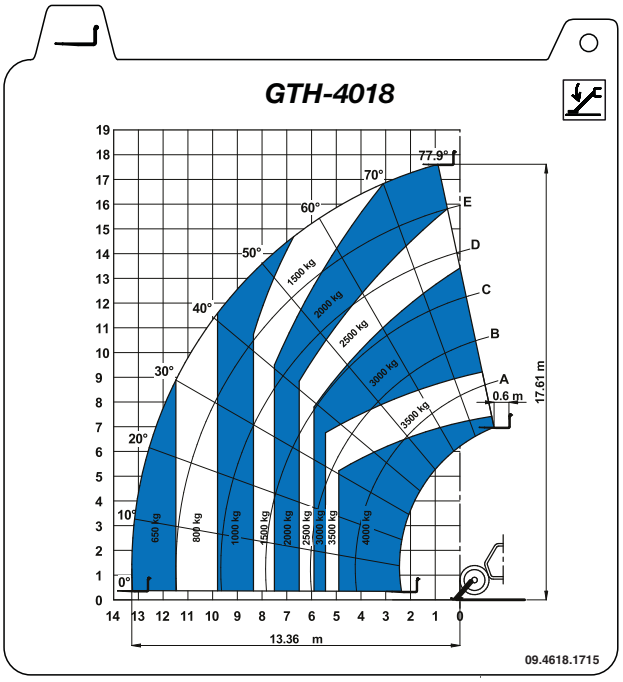




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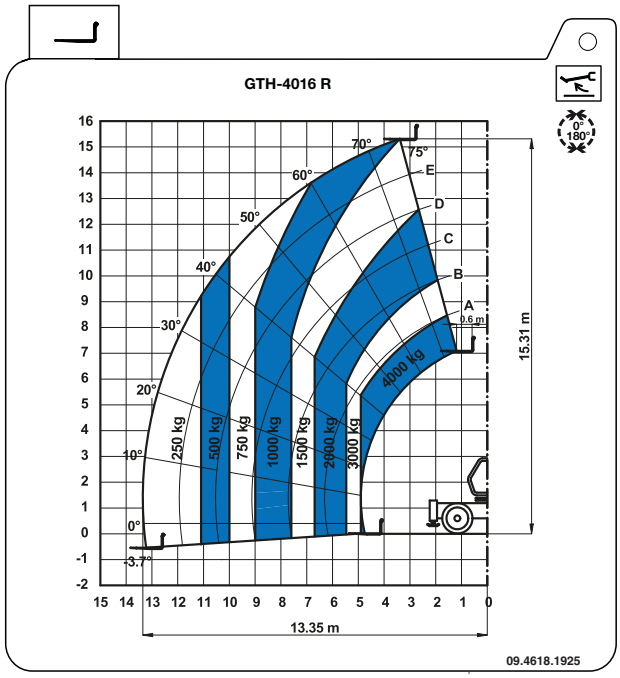
GTH-4018, Brick-Holder Basket and Concrete Bucket

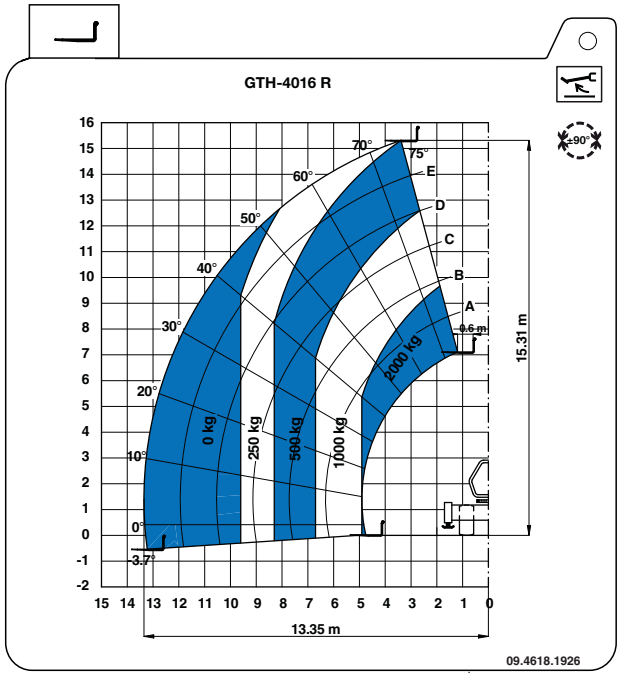




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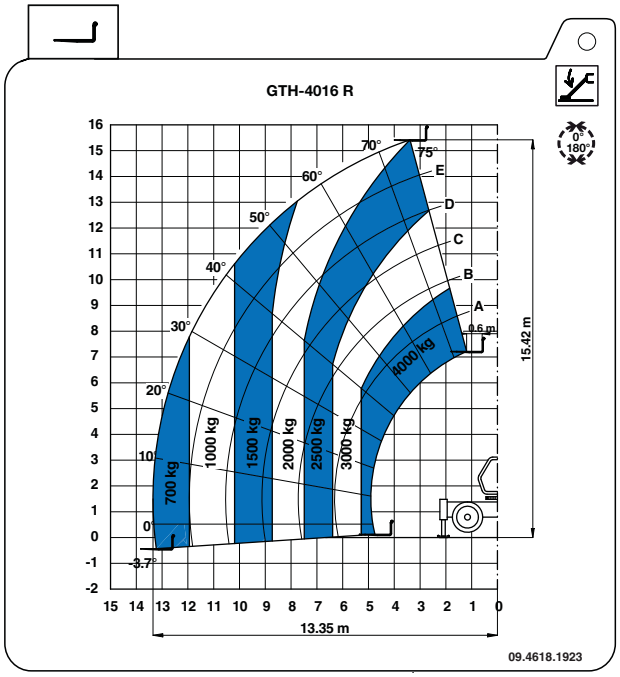
GTH-4016R, Brick-Holder Basket and Concrete Bucket

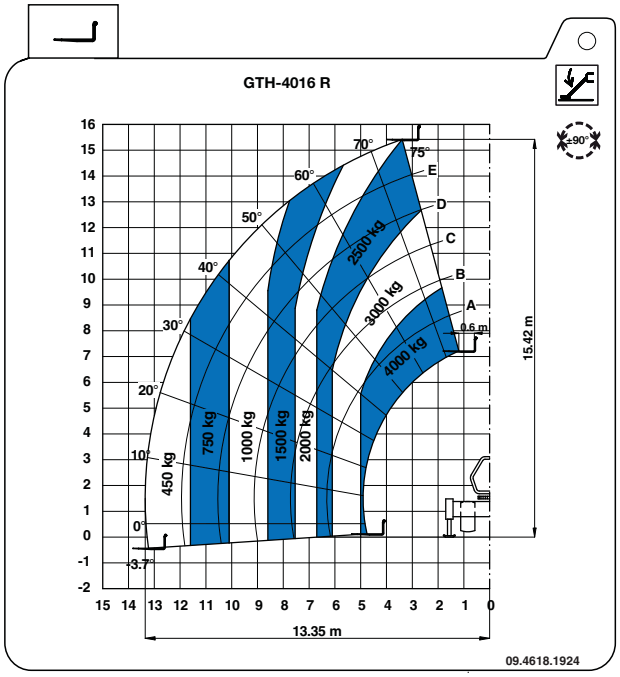




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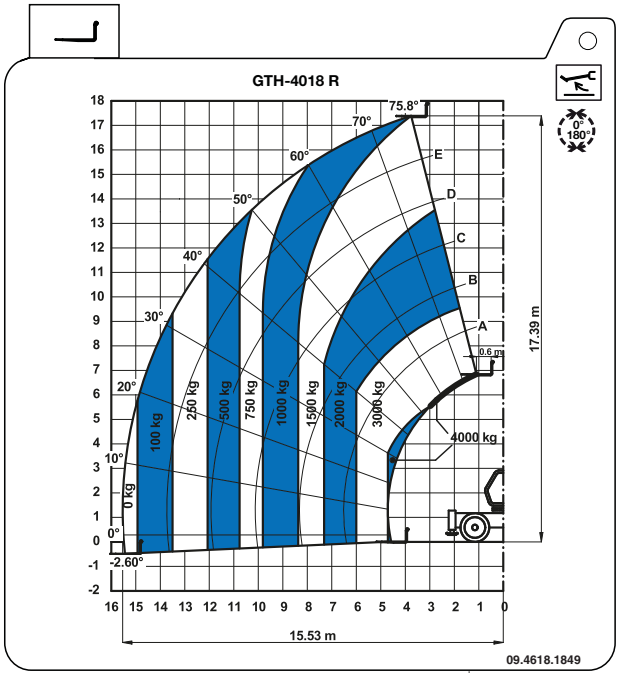
GTH-4016R, Brick-Holder Basket and Concrete Bucket

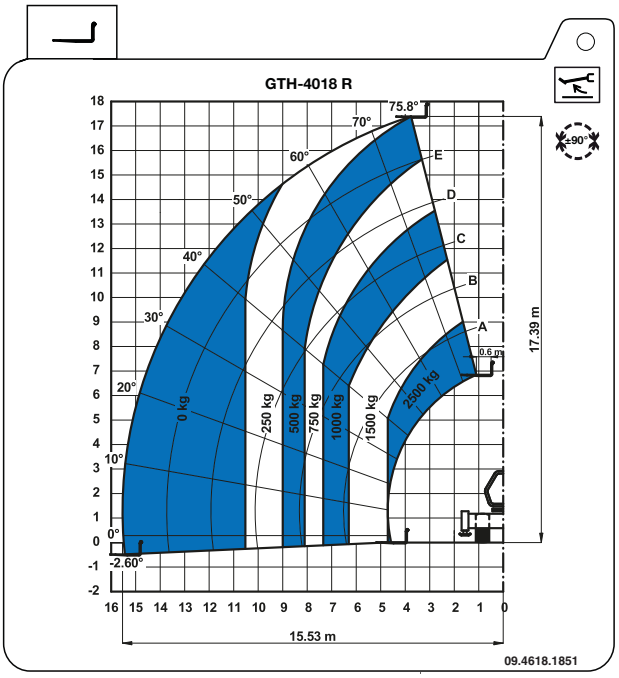


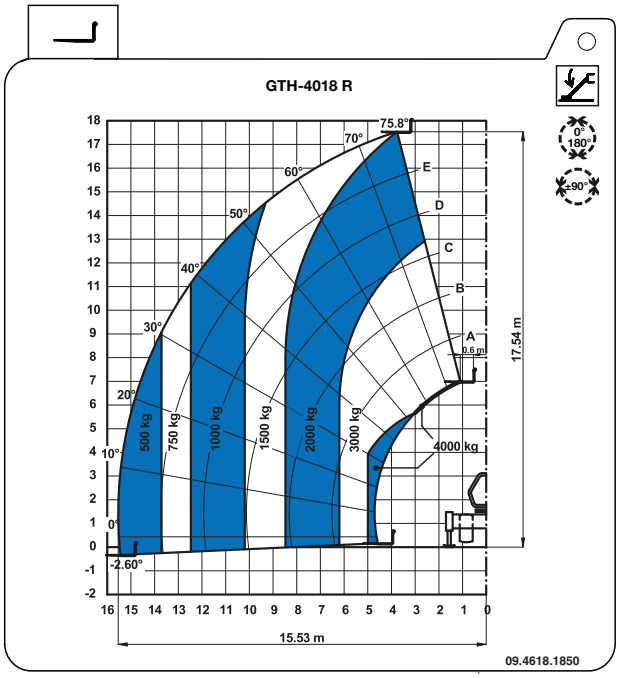


Load Charts

GTH-4018R, Brick-Holder Basket and Concrete Bucket

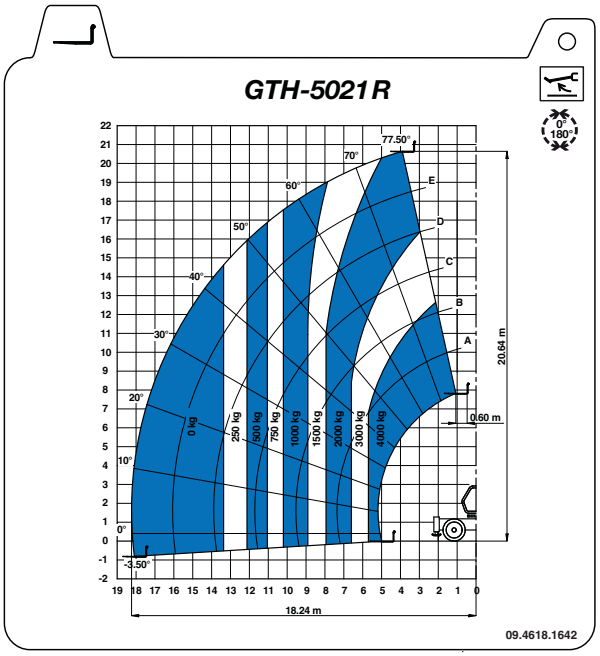


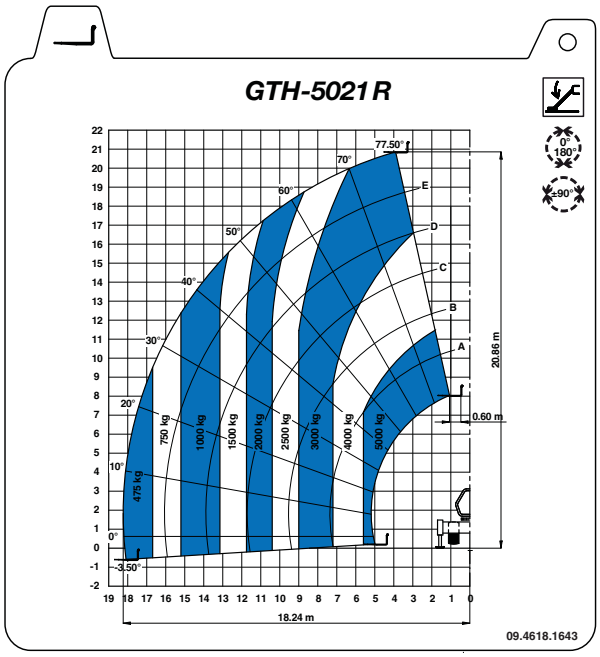


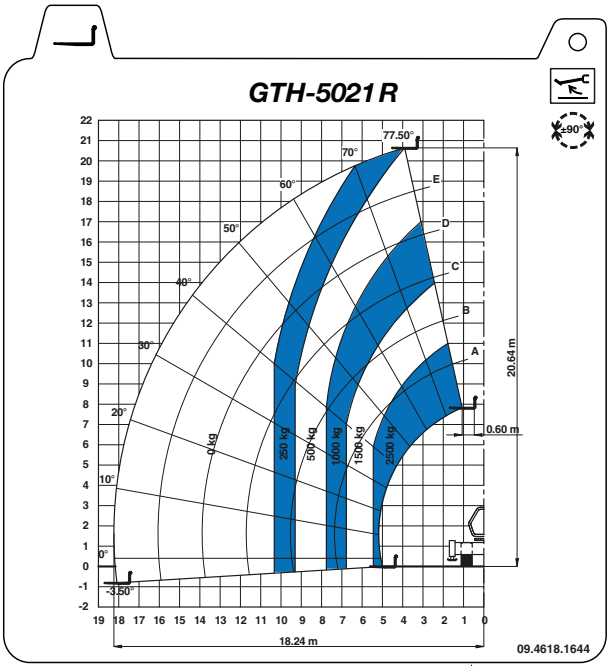


Load Charts

GTH 5021R, Brick-Holder Basket and Concrete Bucket



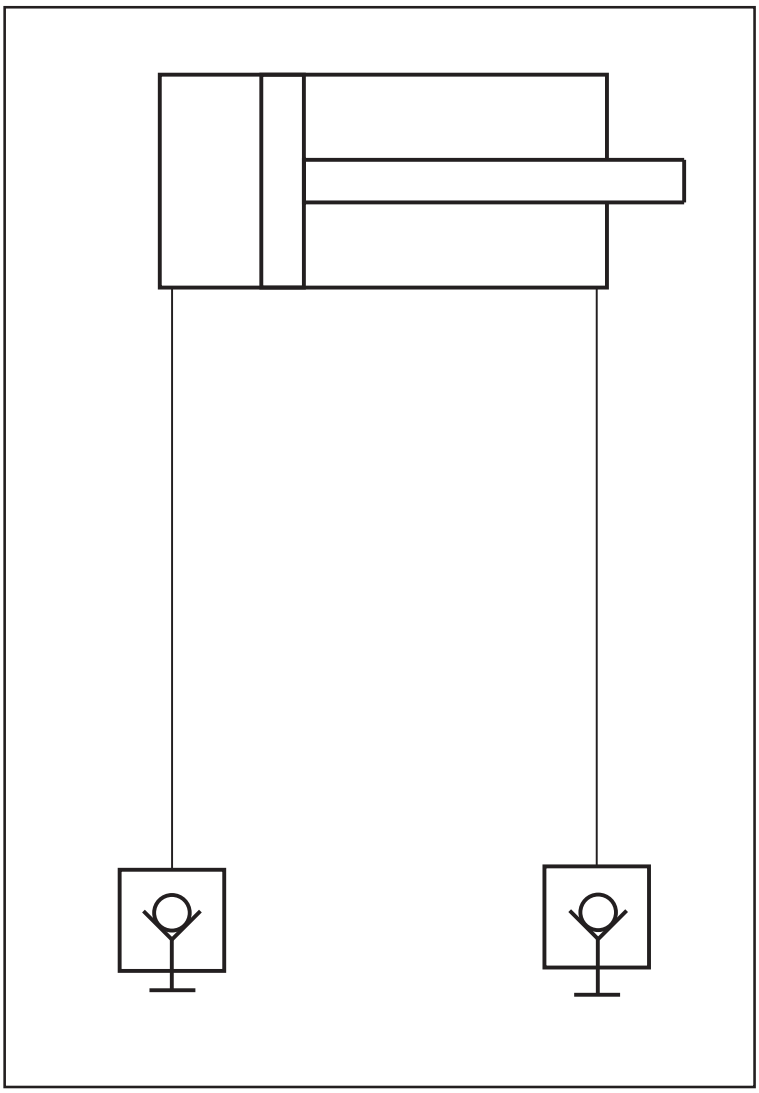




Diagrams and Schemes

Hydraulic Diagram

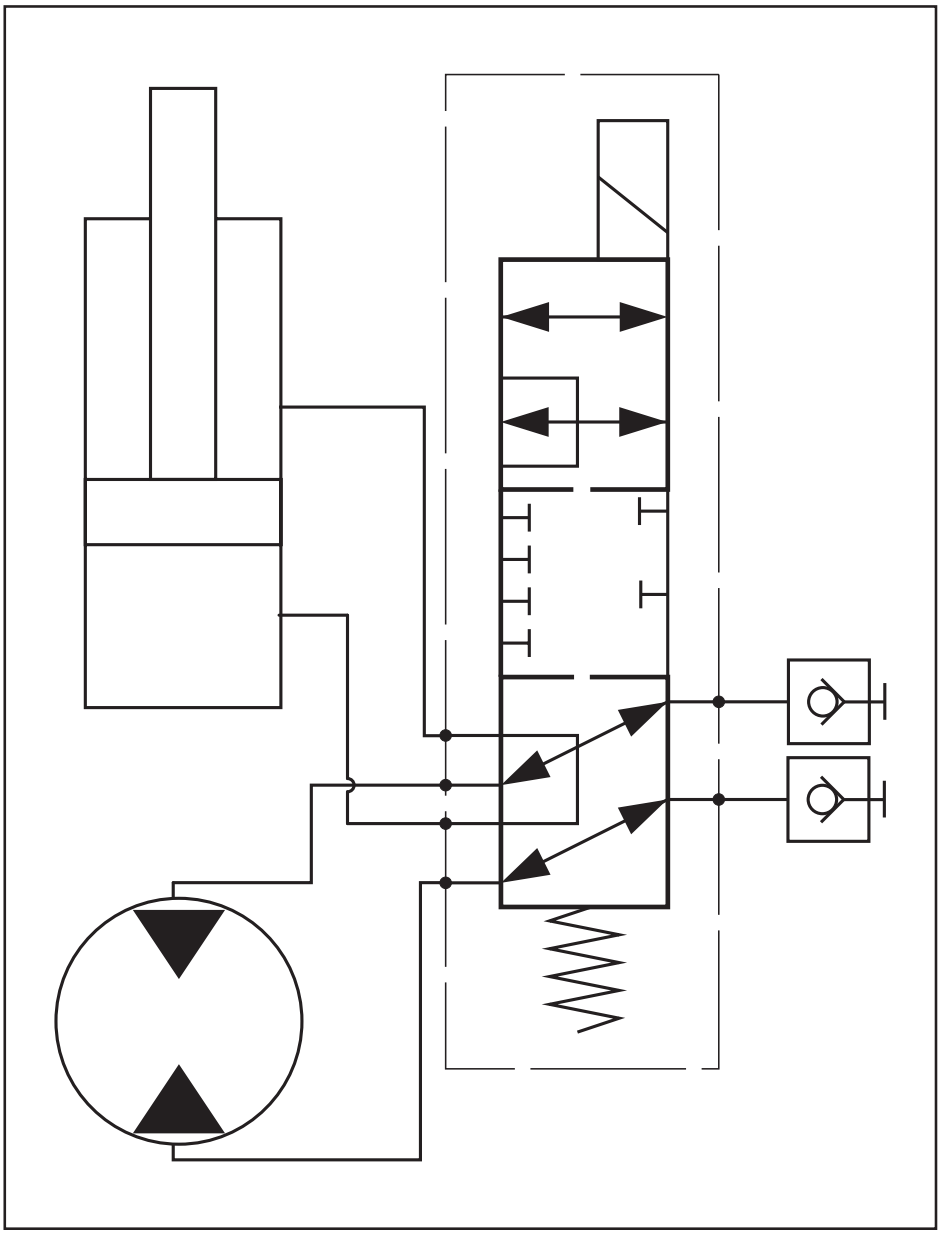
only for Hydraulic Concrete Bucket



Diagrams and Schemes

Hydraulic Diagram

Only for Mixing Bucket



Content of the EC Declaration of Conformity

TEREX Global GmbH hereby declares that the machinery described below complies with the provisions of the following Directives:
1. EC Directive **2006/42/EC,** Machinery Directive.
The machinery described below is suitable for Genie telehandlers, models specified in the user manual.
Model/Type:
Description:
Serial Number:
Manufacture Date:
Country of Manufacture:
Manufacturer:
TEREX Global GmbH
Bleicheplatz 2
8200 Schaffhausen
Switzerland
European representative:
Genie UK LTD
The Maltings
Wharf Road, Grantham, Lincolnshire
NG31 6BH United Kingdom
Empowered signatory:
Place of issue:
Date of issue:

Distributed By:

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