



# TEBBE

## LOW-LOADER

MS 120, MS 130, MS 140, MS 240  
TS 120, TS 160, TS 240







# SINGLE-AXLE SPREADER

## MS 120



The MS 120 is equipped with large-volume tires as standard, which means that it is very easy to pull and very gentle to the soil. Through the high-quality and robust wear- and drive parts, the MS 120 is an extreme powerful machine, that is also able to spread very low application rates.



Picture at top: Because of the low construction height you are able to load the MS 120 with small loaders. On the basis of the low height the machine has a low point of gravity, so it is very stable on the soil. The power requirement is very low.



### MS 120/Technical Details

Total weight	14,000 kg
Support load	4,000 kg
Frame of bottom chain	6,200 mm x 1,450 mm
Box dimensions	4,900 mm x 1,450 mm
Height of side walls	1,250 mm
Loading volume approx.	11 cbm
Loading height over side walls	2,400 mm
Axles	10 bolts
Tires	650/65 R 30,5

### Chassis

- > BPW single-axle aggregate
- > Hitch drawbar with spring suspension, swivel ring Ø 50 mm
- > 10-t jack stand with 2-step gearbox
- > Warning lights for road transport

### Brake

- > 2-wheel oil-pressure brake or 2-wheel air-pressure brake
- > Parking brake

### Body

- > Welded 3 mm thick steel body
- > Height of side walls 1,250 mm
- > Rubber sealing on front wall
- > Hydraulically-actuated rear hood

### Scrapper floor

- > Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
- > Steel bottom
- > Gearbox with hydr. motor for forward and reverse motion of scrapper floor

### Spreading Aggregate

- > Two beater rotors with a diameter of 650 mm (opening area vertical 1,500 mm)
- > 1 ¼" roller chain to drive the beater rotors
- > Two Ø 1,000 mm discs with four distribution vanes on each
- > Disc gearing with shaft Ø 60 mm/overload protection/freewheel drive mechanism, spreading unit protected by 8 mm thick HARDONX wear plates
- > WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint

### Safety Devices

- > PTO-shaft with overload clutch for protection of mechanical drive and beater rotors
- > Overload clutch for protection of spreading aggregate
- > Optional equipment electrical operation:
  - Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

### Light Installation

- > Warning lights for road transport

### Paintwork

- > Green RAL 6029

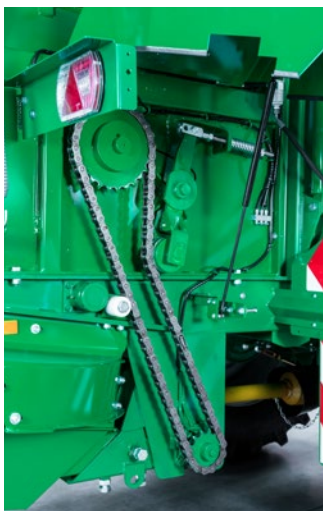


# SINGLE-AXLE SPREADER

## MS 130



The single-axle spreader MS 130 with a self-supported cargo area has a permissible overall weight of 12,000 kg. As standard, it has a spring-loaded drawbar. It is connected to the traction unit with an upper coupling.



Picture at top: four round steel chain strands 14 x 50 mm (24 t break load per chain strand) with stable U-profile elements. All MS and TS models have a funnel-shaped and tapered top. This improves loading and emptying processes.

Picture left: As standard, the beaters of the MS series are driven with a reinforced 1 1/4" chain. The chain tensioner can be checked and re-tightened even when the safety guard is closed.

### MS 130 / Technical Details

Total weight	12,000 kg
Support load	2,000 kg
Frame of bottom chain	6,700 mm x 1,450 mm
Box dimensions	5,400 mm x 1,450 mm
Height of side walls	1,400 mm
Loading volume approx.	14 cbm
Loading height over side walls	2,600 mm
Axles	10 bolts
Tires	650/65 R 38

### Chassis

- > BPW single-axle-aggregate
- > Hitch drawbar with spring suspension, ring Ø 40 mm, high coupling
- > 10-t jack stand with 2-step gearbox
- > Warning lights for road transport

### Brake

- > 2-wheel oil-pressure brake or 2-wheel air-pressure brake
- > Parking brake

### Body

- > Welded 3 mm thick steel body
- > Height of side walls 1,400 mm
- > Rubber sealing on front wall
- > Hydraulically-actuated rear hood

### Scraper Floor

- > Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
- > Steel bottom
- > Gearbox with hydr. motor for forward and reverse motion of scraper floor

### Spreading Aggregate

- > Two beater rotors with a diameter of 650 mm (opening area vertical 1,500 mm)
- > 1 1/4" roller chain to drive the beater rotors
- > Two Ø 1,000 mm discs with four distribution vanes on each
- > Disc gearing with shaft Ø 60 mm/overload protection/freewheel drive mechanism, spreading unit protected by 8 mm thick HARDOX wear plates
- > WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint

### Safety Devices

- > PTO-shaft with overload clutch for protection of mechanical drive and beater rotors
- > Overload clutch for protection of spreading aggregate
- > Optional equipment electrical operation:
  - Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

### Light Installation

- > Warning lights for road transport

### Paintwork

- > Green RAL 6029



# SINGLE-AXLE SPREADER

## MS 140



With a permissible overall weight of 14,000 kg, the single-axle spreader MS 140 is an ideal unit for processing large areas. As standard, it has a spring-loaded drawbar and is connected to the traction unit by means of an upper coupling.



The beaters have screw-on tips that are reinforced with armoured made of very strong steel. Thanks to the special and complex reinforcement, the screw-on tips are always sharp-edged for optimum chopping and reduced fuel consumption.



The spreader plate transmissions have an output shaft diameter of 50 mm and free-running between the transmissions.

### MS 140 / Technical Details

Total weight	14,000 kg
Support load	4,000 kg
Frame of bottom chain	6,700 mm x 1,450 mm
Box dimensions	5,400 mm x 1,450 mm
Height of side walls	1,400 mm
Loading volume approx.	14 cbm
Loading height over side walls	2,600 mm
Axles	10 bolts
Tires	650/65 R 38

### Chassis

- > BPW single-axle aggregate
- > Hitch drawbar with spring suspension, swivel ring Ø 50 mm
- > 10-t jack stand with 2-step gearbox
- > Warning lights for road transport

### Brake

- > 2-wheel oil-pressure brake or 2-wheel air-pressure brake
- > Parking brake

### Body

- > Welded 3 mm thick steel body
- > Height of side walls 1,400 mm
- > Rubber sealing on front wall
- > Hydraulically-actuated rear hood

### Scraper floor

- > Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
- > Steel bottom
- > Gearbox with hydr. motor for forward and reverse motion of scraper floor

### Spreading Aggregate

- > Two beater rotors with a diameter of 650 mm (opening area vertical 1,500 mm)
- > 1 ¼" roller chain to drive the beater rotors
- > Two Ø 1,000 mm discs with four distribution vanes on each
- > Disc gearing with shaft Ø 60 mm/overload protection/freewheel drive mechanism, spreading unit protected by 8 mm thick HARDOX wear plates
- > WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint

### Safety Devices

- > PTO-shaft with overload clutch for protection of mechanical drive and beater rotors
- > Overload clutch for protection of spreading aggregate
- > Optional equipment electrical operation:
  - Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

### Light Installation

- > Warning lights for road transport

### Paintwork

- > Green RAL 6029





# TANDEM-AXLE-SPREADER MS 240



The tandem-axle spreader MS 240 is unique on the market. Only the TEBBE MS 240 can be fitted with tyres that have a diameter greater than 1.8 m on both axles. These tyres allow extremely low power consumption whilst at the same time offering maximum soil protection. The low dead weight and low loading height mean that even small tractors can be used.



## MS 240 / Technical Details

Total weight	24,000 kg
Support load	4,000 kg
Frame of bottom chain	8,700 mm x 1,450 mm
Box dimensions	7,400 mm x 1,450 mm
Height of side walls	1,400 mm
Loading volume approx.	20 cbm
Loading height over side walls	2,650 mm
Axles	10 bolts
Tires	1. axle 650/65 R 38 2. axle 580/70 R 38

## Chassis

- > Hydraulic suspension, with levelling valve
- > BPW axles, second axle as trailing axle, first axle as a lift axle
- > Hitch drawbar with spring suspension, swivel ring Ø 50 mm
- > 10-t jack stand with 2-step gearbox
- > Warning lights for road transport

## Brake

- > 4-wheel oil-pressure brake or 4-wheel air-pressure brake
- > Parking brake

## Body

- > Welded 3 mm thick steel body
- > Height of side walls 1,400 mm
- > Rubber sealing on front wall
- > Hydraulically-actuated rear hood

## Scrapper Floor

- > Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
- > Steel bottom
- > Gearbox with hydr. motor for forward and reverse motion of scrapper floor

## Spreading Aggregate

- > Two beater rotors with a diameter of 650 mm (opening area vertical 1,700 mm)
- > 1 ¼" roller chain to drive the beater
- > Two Ø 1,000 mm discs with four distribution vanes on each
- > Disc gearing with shaft Ø 60 mm / overload protection / freewheel drive mechanism, spreading unit protected by 8 mm thick HARDOX wear plates
- > WALTERSCHEID PTO PWE 580 with overload protection, freewheel drive mechanism and wide angle joint

## Safety Devices

- > PTO-shaft with overload clutch for protection of mechanical drive and beater rotors
- > Overload clutch for protection of spreading aggregate
- > Optional equipment for electrical operation
  - Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

## Light Installation

- > Warning lights for road transport

## Paintwork

- > Green RAL 6029



# SINGLE-AXLE-SPREADER

## TS 120



The single-axle spreader TS 120 has a permissible overall weight of 14,000 kg. Its powerful spreader aggregate with two vertically arranged spreader beaters makes it ideal for spreading manure and other materials with a high percentage of straw.



The spreader unit, which was developed by TEBBE, ensures excellent chopping of the spreading material. Depending on the material, a spreader width of 8 to 15 m is reached.

### TS 120 / Technical Details

Total weight	14,000 kg
Support load	4,000 kg
Frame of bottom chain	6,000 mm x 1,450 mm
Box dimensions	5,400 mm x 1,450 mm
Hight of side walls	1,400 mm
Loading volume approx.	12 cbm
Loading hight over side walls	2,600 mm
Axles	10 bolts
Tires	650/65 R 38

### Chassis

- > BPW single-axle aggregate
- > Hitch drawbar with spring suspension, swivel ring Ø 50 mm
- > 10-t jack stand with 2-step gearbox
- > Warning lights for road transport

### Brake

- > 2-wheel oil-pressure brake or 2-wheel air-pressure brake
- > Parking brake

### Body

- > Welded 3 mm thick steel body
- > Height of side walls 1,400 mm
- > Rubber sealing on front wall
- > Hydraulically-actuated rear hood

### Scrapper Floor

- > Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
- > Steel bottom
- > Gearbox with hydr. motor for forward and reverse motion of scrapper floor

### Spreading Aggregate

- > Two beater rotors with a diameter of 820 mm (opening area vertical 1,800 mm)

### Safety Devices

- > WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint
- > Overload clutch for protection of spreading aggregate
- > Optional equipment for electrical operation
  - Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

### Light Installation

- > Warning lights for road transport

### Paintwork

- > Green RAL 6029



# SINGLE-AXLE-SPREADER

## TS 160



With a useful loading volume of around 16 m<sup>3</sup>, the single-axle spreader TS 160 is ideal for spreading larger quantities. Like the TS 160, its even spreading capacity ensures very homogeneous harvests.



Picture left: The series standard lower coupling with 50 mm ring hitch. The vehicle components are protected by a cover from external influences.

### TS 160 / Technical Details

Total weight	14,000 kg
Support load	4,000 kg
Frame of bottom chain	7,500 mm x 1,450 mm
Box dimensions	7,000 mm x 1,450 mm
Hight of side walls	1,400 mm
Loading volume approx.	16 cbm
Loading hight over side walls	2,600 mm
Axles	10 bolts
Tires	650/65 R 38

### Chassis

- > BPW single-axle aggregate
- > Hitch drawbar with spring suspension, swivel ring Ø 50 mm
- > 10-t jack stand with 2-step gearbox
- > Warning lights for road transport

### Brake

- > 2-wheel oil-pressure brake or 2-wheel air-pressure brake
- > Parking brake

### Body

- > Welded 3 mm thick steel body
- > Height of side walls 1,400 mm
- > Rubber sealing on front wall
- > Hydraulically-actuated rear hood

### Scrapper Floor

- > Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
- > Steel bottom
- > Gearbox with hydr. motor for forward and reverse motion of scrapper floor

### Spreading Aggregate

- > Two beater rotors with a diameter of 820 mm (opening area vertical 1,800 mm)

### Safety Devices

- > WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint
- > Overload clutch for protection of spreading aggregate
- > Optional equipment for electrical operation  
Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

### Light Installation

- > Warning lights for road transport

### Paintwork

- > Green RAL 6029





# TANDEM-AXLE-SPREADER TS 240



The tandem-axle spreader TS 240 is predestined for spreading higher quantities of material thanks to its permissible overall weight of 24,000 kg and a useful loading volume of 22 m<sup>3</sup>. Despite its enormous size, it is just as precise and easy to handle as the smaller series.

## TS 240 / Technical Details

Total weight	24,000 kg
Support load	4,000 kg
Box dimensions	8,300 mm x 1,450 mm
Hight of side walls	1,400 mm
Loading volume approx.	22 cbm
Loading hight over side walls	2,600 mm
Axles	10 bolts
Tires	1. axle 650/65 R 38 2. axle 580/70 R 38

## Chassis

- > Hydraulic suspension with levelling valve
- > BPW axles, second axle as trailing axle, first axle as a lift axle
- > Hitch drawbar with spring suspension, swivel ring Ø 50 mm
- > 10-t jack stand with 2-step gearbox
- > Warning lights for road transport

## Brake

- > 4-wheel oil-pressure brake or 4-wheel air-pressure brake
- > Parking brake

## Body

- > Welded 3 mm thick steel body
- > Height of side walls 1,400 mm
- > Rubber sealing on front wall
- > Hydraulically-actuated rear hood

## Scraper Floor

- > Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
- > Steel bottom
- > Gearbox with hydr. motor for forward and reverse motion of scraper floor

## Spreading Aggregate

- > Two beater rotors with a diameter of 820 mm (opening area vertical 1,800 mm)

## Safety Devices

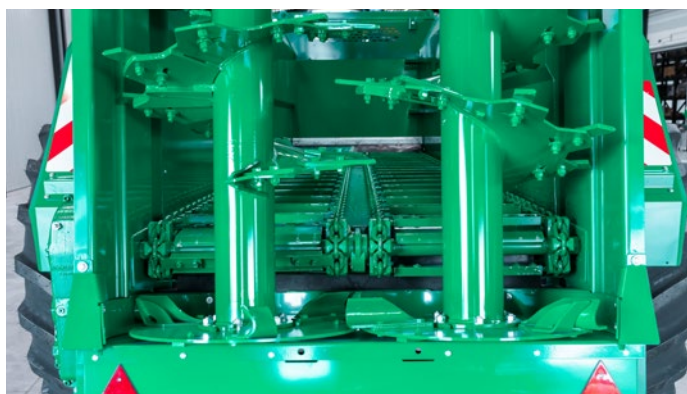
- > WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint
- > Overload clutch for protection of spreading aggregate
- > Optional equipment for electrical operation  
Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

## Light Installation

- > Warning lights for road transport

## Paintwork

- > Green RAL 6029



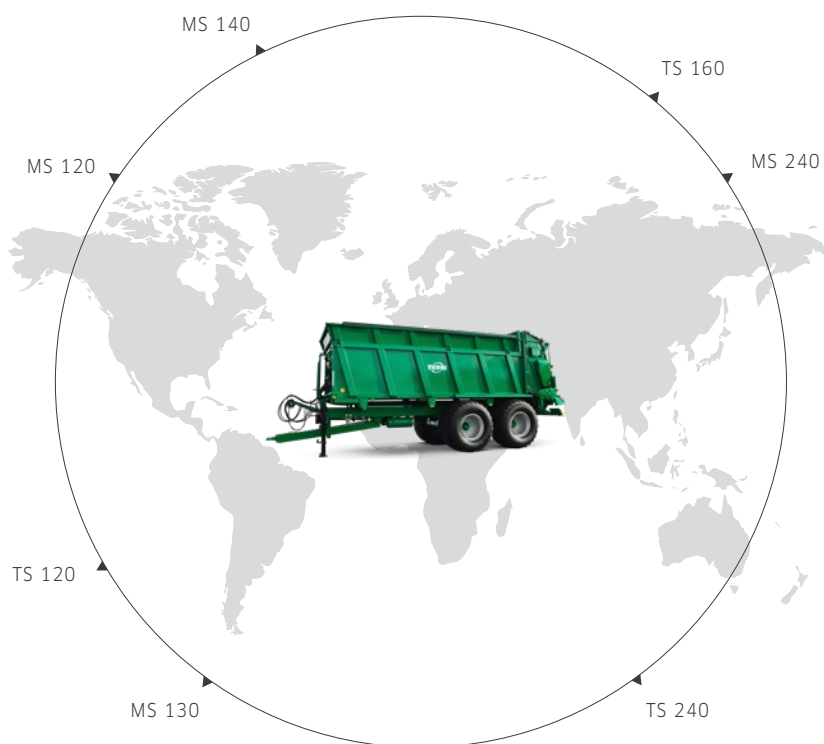
Picture top: Aggressive tearing beaters with screwed-on, alloyed and hardened wear tips guarantee optimum chopping at higher throughput rates.



Picture left: The standard cover on the beaters can be operated hydraulically. It serves as protection for driving on roads.



# SPREADERS BY TEBBE – UNTIRING ON THE FIELDS OF THIS WORLD



Efficiency, speed and flexibility are key factors for modern agricultural operations, which is why the industry has a need for powerful spreaders that can deliver annual outputs of 5,000 m<sup>3</sup> to 500,000 m<sup>3</sup> without a hitch. Machines whose superior construction can cope easily with even the toughest of conditions. Low-loader spreaders by TEBBE meet all these requirements.

Throughout Europe, CIS, Africa and North America, spreaders by TEBBE are the preferred choice whatever the climatic conditions or soil situation.

The MS and TS series are low-loader spreaders with a self-supporting cargo area. The differences lie in the spreader unit. Whilst the MS series has plate spreaders, the TS series used a spreader unit with two vertical beaters.

# SPECIAL EQUIPMENT SPREADERS

## Special equipment

### Chassis

E20013	Drawbar with ball coupling system D80
E20019	Drawbar with ball coupling system D80
E20040	Forced steering axle with hydr. steering
E20071	Electrical weighing system with 3 load cells
E21045	Tires 650/75 R 32 Michelin MegaXBib
E21149	Tires 800/65 R 32 Mitas AC70 N (with 3,200 mm)
E21046	Tires 650/85 R 38 Michelin AxioBib
E21148	Tires 650/65 R 42 Alliance 365

### Body

E22015	Slurry gate 1,500 mm with mechanical indicator of opening width at front wall
E22017	Slurry gate 1,700 mm with mechanical indicator of opening width at front wall
E22016	Slurry gate 1,800 mm with mechanical indicator of opening width at front wall
E22031	Spreading cover, hydraulic, on left side
E22035	Spreading cover, hydraulic, on right side
E22040	Plastic ledge on top of side walls
E22050	Plastic sheet inside of rear hood
E22060	Duplex roller chain for drive of beater rotor
E22070	Working light LED, each
E22080	Extensions on side walls, 350 mm, steel, 17 cbm
E22090	Extensions on side walls, 350 mm, steel, 25 cbm
E24200	Warning light package: Position light red/white, sidelights yellow, warning beacon yellow

### Operation

E24010	Electrical operation of scraper floor with automatic monitoring of beaters
E24020	Electrical operation of scraper floor, slurry gate and rear hood, with automatic monitoring of beaters
E24040	Additional function for E24020: electrical operation of hydraulic spreading cover
E24100	Working hour meter for electrical operation
E24105	Job control box incl. cable set
E24106	ISOBUS-Terminal
E24108	CAN-BUS-module for weighing system (necessary for combination of E20071 + E24105)
E24120	Gate cylinder with sensor for digital opening
E24400	Automatic grease system for roller chains
E24410	Central lubricator nipple for 17/18 greasing points of body
E24500	Electrical lubrication system for all greasing points (without rotating angle joints)
E24510	Electrical lubrication system for all greasing points, (without rotating angle joints )
E24511	Electrical lubrication system for all greasing points, (without rotating angle joints)
E99902	Walterscheid PTO PWE 580





OVERVIEW

	MS 120	MS 130	MS 140	MS 240	TS 120	TS 160	TS 240
Chassis							
E20013	•	•					
E20019	•		•	•	•	•	•
E20040				•			•
E20071	•		•				
E21045	•	•	•		•	•	
E21149		•	•		•	•	
E21046		•	•		•	•	
E21148		•	•		•	•	
Body							
E22015	•	•	•				
E22017				•			
E22016					•	•	•
E22031	•	•	•	•			
E22035	•	•	•	•			
E22040	•	•	•	•	•	•	•
E22050	•	•	•	•			
E22060	•	•	•	•			
E22070	•	•	•	•	•	•	•
E22080			•				
E22090				•			•
E24200	•	•	•	•	•	•	•
Operation							
E24010	•	•	•	•	•	•	•
E24020	•	•	•	•	•	•	•
E24040	•	•	•	•			
E24100	•	•	•	•	•	•	•
E24105	•	•	•	•			
E24106	•	•	•	•			
E24108	•		•				
E24120	•		•	•			
E24400	•	•	•	•			
E24410	•	•	•	•	•	•	•
E24500				•			•
E24510	•	•	•				
E24511					•	•	
E99902	•	•	•		•	•	

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# Your fastest hotline to a perfect service

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## Our **spare parts service** – so that your machine always runs like on the first day.

The excellent spare part service at TEBBE is a real safety factor for our customers. We keep all 'regular' parts directly on stock for you. These are, of course, original spare parts of components that were used to construct the machine. Replacement of these parts means that your machine is as good as new and up and running again very quickly; the same also applies for machines of older series.

We can also supply all spare parts that do not come from our own production facility, for instance tyres, in a very short time. We only employ experts in our spare parts team who have in-depth know-how about the machines and who are able to localise and identify required parts precisely and accurately – bundled competence and reliability.

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## The **service hotline** – for nonstop access to absolute performance.

In the event of a problem, TEBBE will not keep you waiting! We have set up a fault hotline for our customers to provide immediate telephone support – even if you are out on the fields. Our contact partners are experts in the mechanics and electronics of all machines. The majority of the inquiries can be solved on the phone. Also, there is a standby service at the weekends, meaning that we are available to you every day.

