

General instructions for wear checks of play equipment		The equipment must be checked for correct operation and safety, especially the points listed below:		Proof of maintenance		
				1.	2.	3. etc.
Playground: Date of installation: Checks depend on the kind of equipment. Any equipment with moving parts must be checked at least twice a year, static equipment at least once a year. The control works listed opposite must be carried out, if the relevant element is used in the equipment. Intervals for maintenance work and checks generally depend on: - location - kind of use - frequency of use - possible vandalism For more details see also "General instructions for maintenance of playgrounds"		Wooden parts				
		1	Check for dry rot and smooth out splinters	☐	☐	☐
		2	Check all the screw and bolt connections for firmness, tighten if necessary	☐	☐	☐
		3	Check the ash rungs of the ladder for wear; remaining diameter must be at least 30 mm	☐	☐	☐
		Ropes and rope nets				
		4	Check for wear and abrasion, if heavily worn exchange	☐	☐	☐
		5	Check fastenings and pressed joints	☐	☐	☐
		Metal parts and fittings				
		6	Blunt sharp edges caused by wear with a file	☐	☐	☐
		7	Check moving joints for smooth operation and wear, if necessary grease lightly	☐	☐	☐
		8	Check the chain and the connections to the chain, the top chain link must be securely clamped	☐	☐	☐
		9	Renew slide-bearing-bushes if necessary	☐	☐	☐
		Rubber				
10	Renew rubber parts if they show signs of excessive wear	☐	☐	☐		
Plastic parts						
11	Renew or repair if excessively worn or damaged	☐	☐	☐		
Structural stability						
12	Dig out the foundation once a year and check for stability	☐	☐	☐		
13	Check load-bearing parts once a year for corrosion	☐	☐	☐		
Repair not carried out, it is still possible to play on the equipment		☐	☐	☐		
Repair not carried out, equipment is taken out of action		☐	☐	☐		
All work carried out, everything is in order		☐	☐	☐		
Maintenance carried out by						
Date						

Special notes (e. g. for repairs):

Special notes (e. g. for repairs):

Special notes (e. g. for repairs):

Inspection and Maintenance

of Playground-equipment
and Playgrounds

(following EN1176:2017)



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General instructions on the inspection and maintenance of playgrounds:

The working safety of all playground equipment must be at all times ensured. Equipment and component parts should be inspected and maintained according to the maintenance instructions. The frequency of inspection will vary with the type of equipment or materials used as well as other factors e. g. heavy use, level of vandalism, coastal location, air pollution and age of equipment.

Therefore, various inspections / controls are required:

1. Routine visual inspection

To identify various hazards resulting from vandalism, extreme weather etc.

The time interval between inspections depends upon the type of use. In case of heavy use this may be daily.

This type of control (see check list) should be carried out through simple tests, i. e. visual inspection and setting in motion.

2. Operational inspection

This is a more detailed inspection to check the operation and stability of the equipment, especially for wear. It should be carried out every 1 to 3 months depending on the quality and the structural stability of the equipment.

The continual use of the playground equipment causes wear. Heavy wear may limit its operational safety. Special attention should be given to "sealed for life parts". For checking on wear and the resulting repair works (refer to the instructions on wear control) technical expertise (timber-/metal work/mechanics) will be required.

3. Annual main inspection

To establish, at intervals not exceeding 12 months, the overall level of safety of equipment, foundations and surfaces. The safety of the playground equipment may under certain circumstances change, or be not sufficient anymore, e.g.

- a) repairs were not carried out professionally **using spare parts not to the manufacturers specifications.**
- b) components were added to existing play equipment or arranged to different combinations. In this case the maintenance service must insure, that no gaps are created between the components which impose an unacceptable risk upon the playing children.

Special attention must be paid to prevent head injuries. Gaps between 9 and 23 cm wide must be securely covered in the course of the maintenance work, to avert hand and finger injuries gaps between 8 and 25 mm must be inspected for safety.

- c) the ground of the safety area has been changed (deteriorated) in any way altering its impact absorbing properties.
- d) the structural stability can no longer be guaranteed. Experience shows that the structural stability is of paramount importance (rotting of wood, progressive corrosion of metals, brittle fracture of ageing plastics). Based on the latest research (EN 1176), the structural stability should be assessed **at least once a year** adhering to proficient technical standards. This inspection may require excavate or dismantling of certain parts and should be carried out by competent persons in strict accordance with the manufacturer's instructions. Copies of the original assembly instructions should also be available at the time of the annual inspection / maintenance.

Should the inspections uncover faults, professional repairs must be carried out, so that the proper function and safety can be guaranteed again.

Instructions for visual- and function checks

Playground.....
 Street.....
 Town district

Time intervals for maintenance and control works mainly depend upon:

- the location
- the type of use
- the frequency of playing
- possible vandalism
- prevailing weather conditions
- high air pollution

This sheet may be copied for carrying out maintenance works.

For checking on wear of specific playground equipment use the appropriate product maintenance sheets.

Checkpoints and control record



The results of excessive wear or vandalism on all of the playground equipment must be recorded and, as far as possible, immediately rectified.



Clean-up of the safety-area of the playground equipment and the loose fill material; take care to remove broken glass and pet-fouling. Playing houses and -huts should also be cleaned inside.



Cover up foundations with loose fill material or play-sand, fill in hollows (tend to appear at the run-outs of slides and swings). Rake and level if necessary

If the faults cannot be rectified: **REPORT TO THE COUNCIL!**

Disable the equipment if acutely dangerous

Name of the equipment and necessary repairs

Date

Instructions for wear checks of play equipment

The equipment must be checked for correct operation and safety, especially the points listed below:

Proof of maintenance

Playground

Date of installation

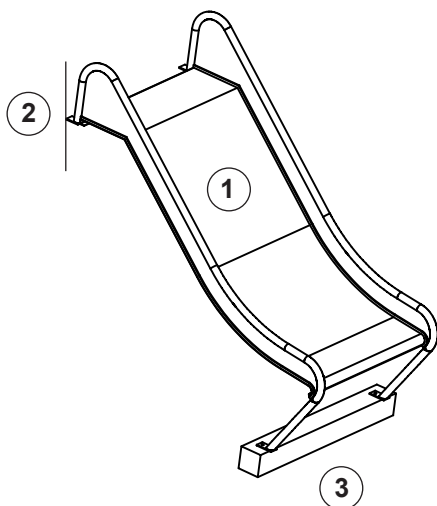
Checks depend on the type of equipment. Any equipment with moving parts must be checked at least twice a year, static equipment at least once a year.

Intervals for maintenance work and checks generally depend on

- location
- kind of use
- frequency of use
- possible vandalism

For more details see also "General instructions for maintenance of playgrounds".

Stainless Steel Slides width 1.00 m
Order No. 3.63300



Slide surface

1. Check for vandalism. ☐
2. Check that bolts and screws of main equipment are tight and retighten if necessary. ☐

Structural stability

3. In order to check the stability of the foundations or the steel feet for corrosion, uncover the foundation once a year. ☐

Special notes, e.g. for repairs

Repair not carried out,
it is still possible to play on equipment ☐

Repair not carried out,
equipment is taken out of action ☐

All work carried out,
everything is in order ☐

Maintenance carried out by:

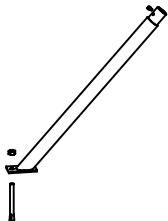
For spare parts refer to back of page.

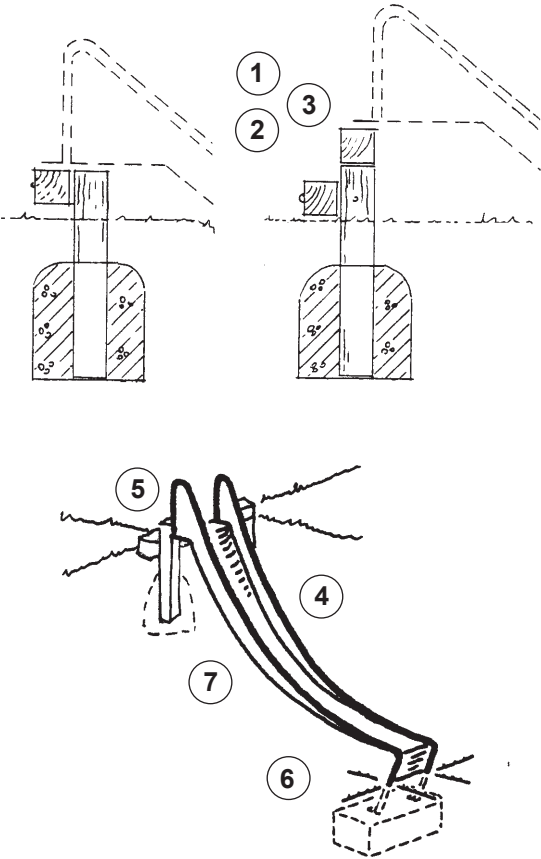
..... Date

Spare Parts
Stainless Steel Slide
Order No. 3.63300



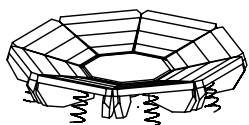
Please note that the safety standards of the equipment must not be affected. Therefore, when carrying out repairs it is helpful **to only use original parts**.

Order No.	Spare part	
0.92081	Support for Slide, bottom	
		
0.92091	Support for Slide, top with hole Ø 9 mm	
		

Instructions for wear checks of play equipment	The equipment must be checked for correct operation and safety, especially the points listed below:	Proof of maintenance	
Playground Date of installation Checks depend on the type of equipment. Any equipment with moving parts must be checked at least twice a year, static equipment at least once a year. Intervals for maintenance work and checks generally depend on - location - kind of use - frequency of use - possible vandalism For more details see also "General instructions for maintenance of playgrounds". Slide Support Order No. 3.65250/3.65251/3.65350/3.65351/3.65450/3.65451 with step Order No. 3.65200/3.65201/3.65300/3.65301/3.65400/3.65401 	Wooden parts 1. Check for rot and, if necessary, smooth out splinters and round off sharp edges of cracks. ☐ 2. Check that all bolts and screws are tight and retighten if necessary. ☐ 3. Recommendation: apply paraffin wax to the upper end grain areas once a year, please refer to Order No. 0.90100, 1 litre. ☐ Slide 4. Check the slide surface for vandalism. ☐ 5. Check that all bolts and screws are tight and retighten if necessary. ☐ Structural stability 6. In order to check for rot at wooden parts and steel feet for corrosion, uncover the foundations once a year. ☐ 7. Check that the surface of the ground has not changed in such a way that there are unacceptable risks (e. g. exposed foundations), refill surfacing material, if required. ☐	Special notes, e.g. for repairs	
	Repair not carried out, it is still possible to play on equipment		☐
	Repair not carried out, equipment is taken out of action		☐
	All work carried out, everything is in order		☐
Maintenance carried out by: Date			

Proof of maintenance

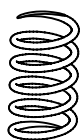
Spare Parts
Bouncing Flower
Order No. 6.06500



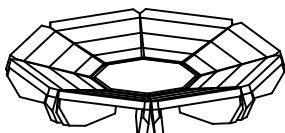
Please note that the safety standards of the equipment must not be affected. Therefore, when carrying out repairs it is helpful to **only use original parts**.

Order No. Spare part

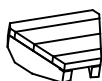
0.92450 **compression spring**

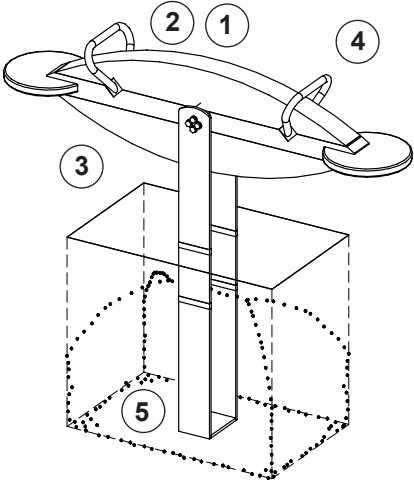


99.01310 **set of segments = 8 segments**



99.01309 **segment = 1 item**



Instructions for wear checks of play equipment	The equipment must be checked for correct operation and safety, especially the points listed below:	Proof of maintenance	
Playground Date of installation Checks depend on the type of equipment. Any equipment with moving parts must be checked at least twice a year, static equipment at least once a year. Intervals for maintenance work and checks generally depend on - location - kind of use - frequency of use - possible vandalism For more details see also "General instructions for maintenance of playgrounds". Small See-saw Order No. 6.11700 	Wooden parts 1. Check for rot and, if necessary, smooth out splinters and round off sharp edges of cracks. ☐ 2. Check that all bolts and screws are tight and retighten if necessary. ☐ Rocking mechanism 3. Check for wear and tear, replace if necessary. ☐ Grips 4. Check for stability. ☐ Structural stability 5. In order to check for corrosion, uncover the foundation once a year. ☐		Special notes, e.g. for repairs
For spare parts refer to back of page.	Repair not carried out, it is still possible to play on equipment	☐	
	Repair not carried out, equipment is taken out of action	☐	
	All work carried out, everything is in order	☐	
	Maintenance carried out by: Date		

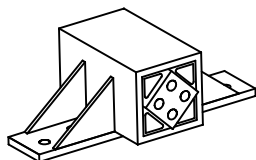
Spare Parts
Small See-saw
Order No. 6.11700



Please note that the safety standards of the equipment must not be affected. Therefore, when carrying out repairs it is helpful to **only use original parts**.

Order No. Spare part

0.92265 rubber spring element



Instructions for wear checks of play equipment

Playground.....

Date of installation

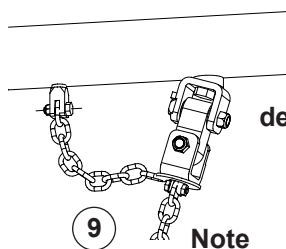
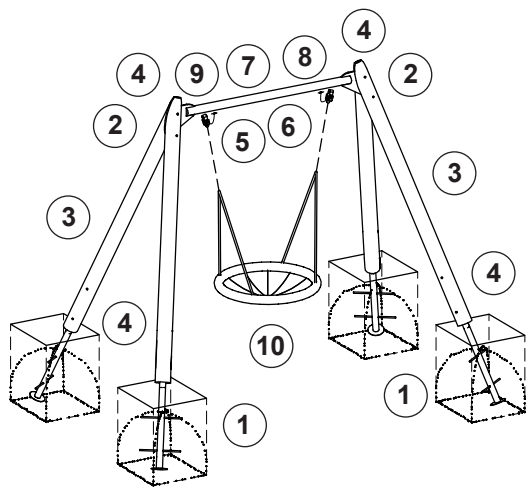
Checks depend on the type of equipment.
Any equipment with moving parts must be checked at least twice a year, static equipment at least once a year.

Intervals for maintenance work and checks generally depend on

- the location
- the usage
- the frequency of use
- possible vandalism

For more details see also "General instructions for maintenance of playgrounds".

**Swallow's Cradle Nest special
Order No. 6.14720**



detailed diagram

Note

The first chain link must be firmly locked.

The equipment must be checked for correct operation and safety, especially the points listed below:

Proof of maintenance

Structural stability

1. Uncover the foundations once a year in order to check the structural stability as follows:
 - steel for corrosion
 - anchoring to the ground for stability
 - condition of concrete foundations
2. Check that all screws and bolts as well as all wood joints are tight, retighten if necessary. Shorten any protruding threads and re-galvanise with galvanizing spray.

Wooden parts

3. Check for rot and, if necessary, smooth out splinters and round off sharp edges and cracks.
4. Recommendation: apply paraffin wax to the end grain areas once a year, especially near the ground; please refer to order No. 0.90100, 1 litre.

Metal/ fittings

5. Check drop-forged joint yoke – the opening must be parallel to the metal cross beam.
6. Check that joints can move smoothly in both directions.
7. Also make sure that the swivels move smoothly, apply small amount of grease if required.
8. Check welding seams on the metal cross bar for cracks.
9. Check chain and connection to chain; the first chain link must be locked; check wear on contact surfaces between first and second chain link, **see detailed diagram**.

Swallow nest

10. Check for damage and for wear and tear, replace if necessary.

Repair not carried out,
it is still possible to play on equipment

Repair not carried out,
equipment is taken out of action

All work carried out,
everything is in order

Maintenance carried out by:

For spare parts refer to back of page.

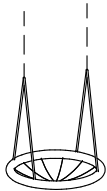
..... Date

Special notes, e.g. for repairs

Spare parts
Swallow's Cradle Nest
special
Order No. 6.14720



Please note that the safety standards of the equipment must not be affected. Therefore, when carrying out repairs it is helpful to **only use original parts**.

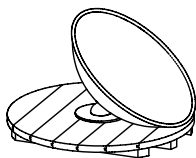
Order No. Spare part	Order No. Spare part
0.86200 swallow's nest for replacement without joints 	0.20012 stainless steel machine screws reinforced, with locking nut 
0.86201 swallow's nest for replacement without joints and chains 	0.88193 square block steel, reinforced with 2 brass bushes 
0.93133 swing joint, complete 	0.88140 brass bush 
Note This list includes only the spare parts ordered most frequently. Other spare parts on request.	

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Proof of maintenance

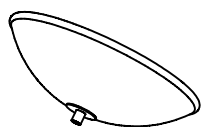
Special notes, e.g. for repairs

Spare parts
Wobble Dish
Order No. 6.27300



Please note that the safety standards of the equipment must not be affected. Therefore, when carrying out repairs it is helpful to **only use original parts**.

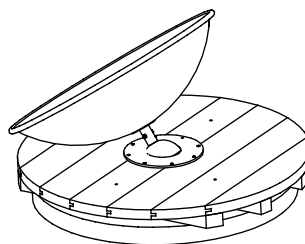
Order No.	Spare part
0.92286	bearing
0.92287	stainless steel dish
0.92288	universal joint with ball bearings



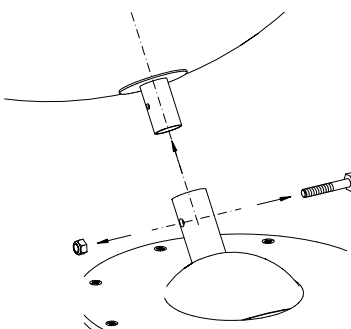
**Exchanging the
universal joint with ball bearings
Order No. 0.92288**

Tools: set of spanners
Torx bits
set of Allen keys
Seeger circlip pliers
set of ratchets with extension

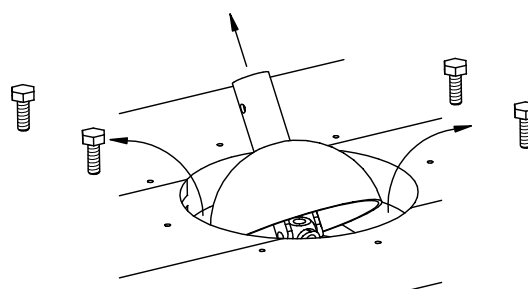
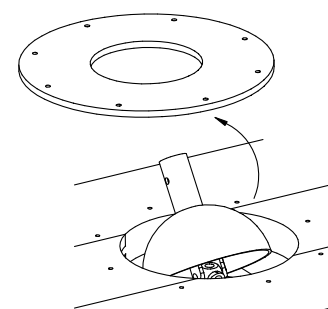
1. Loosen the connection between the wobble dish and the rotating mechanism and remove the wobble dish.



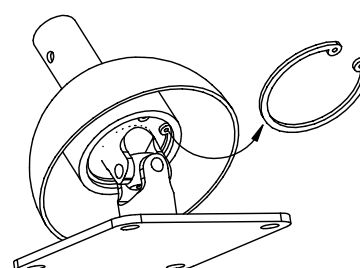
2. Remove the rubber cover (Torx 25). If necessary, clean the cavity in the centre of the floor and expose the rotating mechanism.



3. Loosen the bolts of the foot plate and remove the rotating mechanism (ratchet with extension).

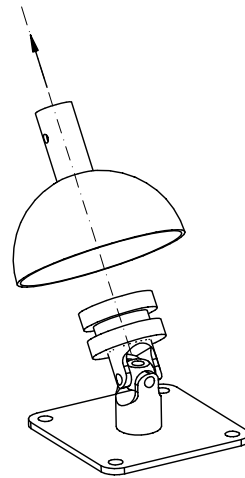


4. Disassemble the Seeger circlip using special pliers.

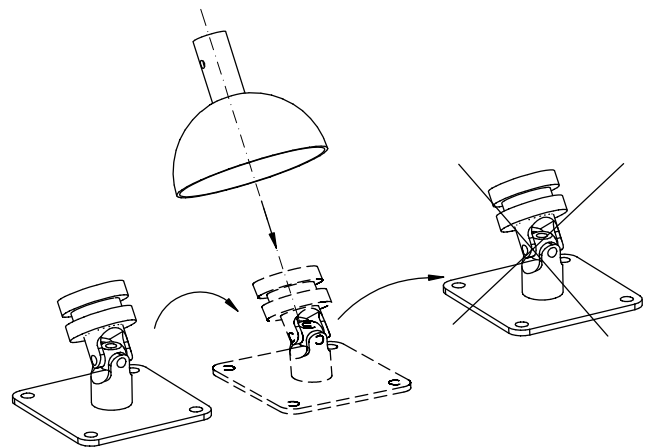


**Exchanging the
universal joint with ball bearings
Order No. 0.92288**

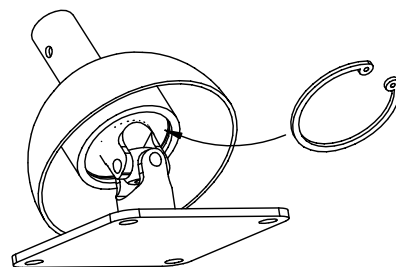
**5. Lift and remove the dome-shaped upper part
from the bearing.**



**6. Assemble the new foot plate (incl. universal
joint and ball bearings) and the upper part of
the bearing.**

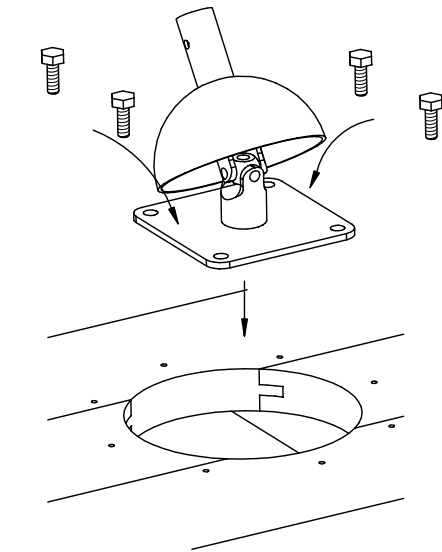


7. Insert Seeger circlip using special pliers.

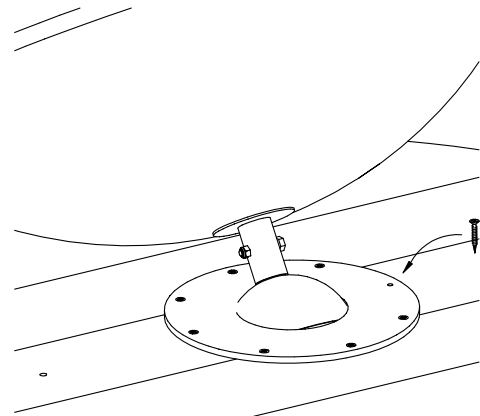


**Exchanging the
universal joint with ball bearings
Order No. 0.92288**

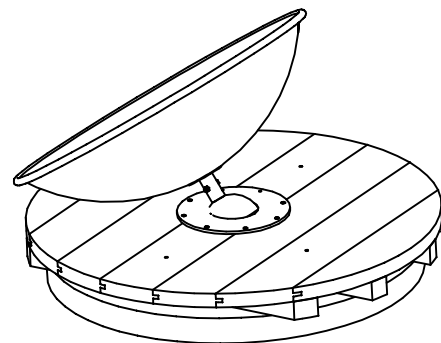
**8. Replace the rotating mechanism and screw
onto the concrete slab.**



**9. Screw on rubber disc and connect the wobble
dish to the rotating mechanism.**



10. Check that the wobble dish rotates smoothly.



Instructions for wear checks of play equipment

The equipment must be checked for correct operation and safety, especially the points listed below:

Proof of maintenance

Playground

Date of installation

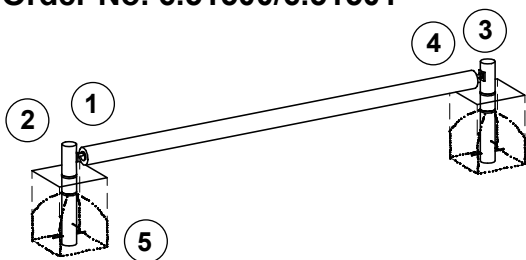
Checks depend on the type of equipment. Any equipment with moving parts must be checked at least twice a year, static equipment at least once a year.

Intervals for maintenance work and checks generally depend on

- location
- kind of use
- frequency of use
- possible vandalism

For more details see also "General instructions for maintenance of playgrounds".

Rotating Beam
Order No. 6.51500/6.51501



Wooden parts

1. Check for rot and, if necessary, smooth out splinters and round off sharp edges of cracks. ☐
2. Check that all bolts and screws are tight and retighten if necessary. ☐
3. **Recommendation:** apply paraffin wax to the upper end grain areas once a year, please refer to Order No. 0.90100, 1 litre. ☐

Bearings

4. Check that bearing moves freely, apply grease if required. ☐

Structural stability

5. In order to check for rot at wooden parts or steel feet for corrosion, uncover the foundations once a year. ☐

Special notes, e.g. for repairs

Repair not carried out,
it is still possible to play on equipment ☐

Repair not carried out,
equipment is taken out of action ☐

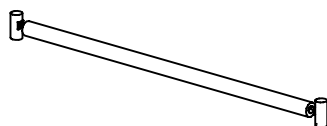
All work carried out,
everything is in order ☐

Maintenance carried out by:

For spare parts refer to back of page.

..... Date

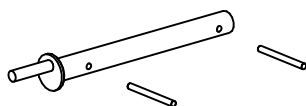
Spare Parts
Rotating Beam
Order No. 6.51500



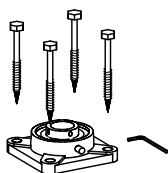
Please note that the safety standards of the equipment must not be affected. Therefore, when carrying out repairs it is helpful to **only use original parts**.

Order No. Spare part

0.92272 tube

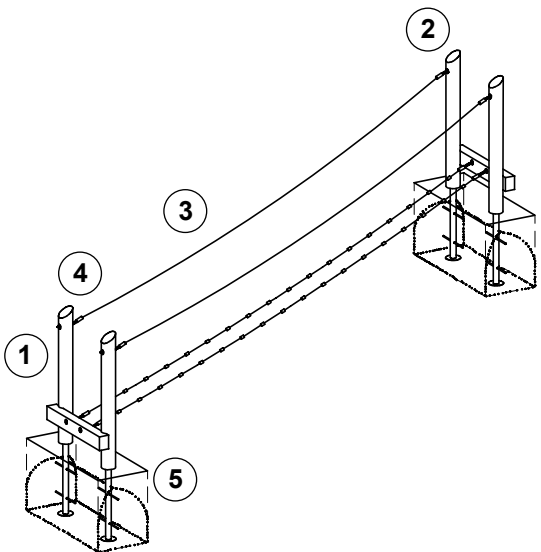
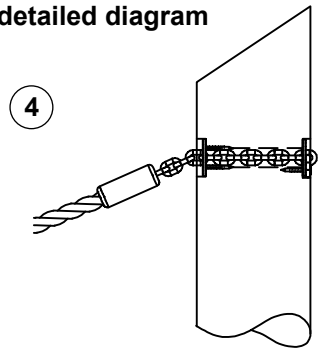


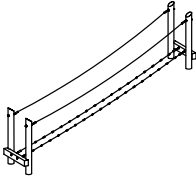
0.92280 ball bearing

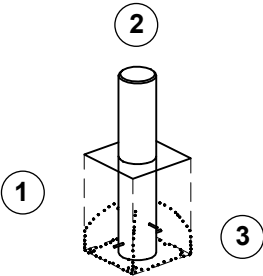


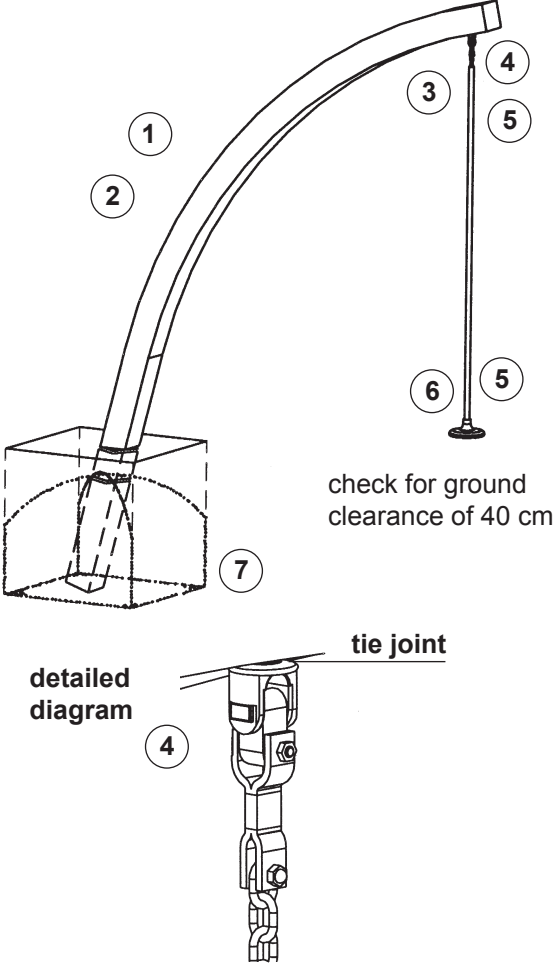
99.01220 stand post, routed



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Playground Date of installation Checks depend on the type of equipment. Any equipment with moving parts must be checked at least twice a year, static equipment at least once a year. Intervals for maintenance work and checks generally depend on - location - kind of use - frequency of use - possible vandalism For more details see also "General instructions for maintenance of playgrounds". Climbing Ropes basic element Order No. L6.51820  detailed diagram  For spare parts refer to back of page.	Wooden parts 1. Check for rot and, if necessary, smooth out splinters and round off sharp edges of cracks. ☐ 2. Recommendation: apply paraffin wax to the upper end grain areas once a year, please refer to Order No. 0.90100, 1 litre. ☐ Ropes 3. Check ropes for wear and tear, if the steel reinforcement is damaged it is imperative it be replaced. ☐ 4. Check chain connections and swages are tight (see detailed diagram). ☐ Structural stability 5. In order to check for rot at wooden parts or steel feet for corrosion, uncover the foundations once a year. ☐ Repair not carried out, it is still possible to play on equipment Repair not carried out, equipment is taken out of action All work carried out, everything is in order Maintenance carried out by: Date	Special notes, e.g. for repairs	

Spare parts Climbing Ropes basic element Order No. L6.51820 	Please note that the safety standards of the equipment must not be affected. Therefore, when carrying out repairs it is helpful to only use original parts.
Order No. Spare part	
0.92187 Holding rope with chain attachment 0.92188 Running rope with chain attachment 0.99405 Disc for chain suspension	

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	Repair not carried out, it is still possible to play on equipment		☐	
	Repair not carried out, equipment is taken out of action		☐	
	All work carried out, everything is in order		☐	
Maintenance carried out by: Date				

Instructions for wear checks of play equipment	The equipment must be checked for correct operation and safety, especially the points listed below:	Proof of maintenance	
Playground Date of installation Checks depend on the type of equipment. Any equipment with moving parts must be checked at least twice a year, static equipment at least once a year. Intervals for maintenance work and checks generally depend on - location - kind of use - frequency of use - possible vandalism For more details see also "General instructions for maintenance of playgrounds". Tarzan Rope with Pendulum Seat Order No. 7.64300/7.64301  check for ground clearance of 40 cm detailed diagram tie joint 4	Wooden parts 1. Check for rot and, if necessary, smooth out splinters and round off sharp edges of cracks. ☐ 2. Recommendation: apply a breathable, opaque varnish (opaque colour is to be preferred over a transparent one) to the laminated beam once a year. ☐ Pendulum seat suspension 3. Check that joint can move smoothly in both directions. ☐ 4. Check connection to wood, tie joint must have a snug fit (see detailed diagram). ☐ 5. Check chain and connection to chain; the first chain link must be locked; check wear on contact surfaces between first and second chain link. ☐ Pendulum Seat 6. Replace pendulum seat if metal parts are exposed. ☐ Structural stability 7. Attention! One-legged equipment: In order to check for rot at wooden parts or for corrosion, uncover the foundation twice a year. ☐ Repair not carried out, it is still possible to play on equipment Repair not carried out, equipment is taken out of action All work carried out, everything is in order Maintenance carried out by: Date	Special notes, e.g. for repairs	

Additional notes

Maintenance of one post equipment

This product is a one post equipment according to EN 1176-1.

Equipment of this kind requires special diligence with regard to planning, construction and maintenance.

In this document, you will find additional maintenance notes.

The following principles generally apply to one post equipment:

The longer the equipment has been in operation, the more diligence is required during maintenance.

Dynamic loads additionally stress the structural stability.

Frequency of use and a given excessive load must be taken into account when scheduling maintenance.

The goal of any inspection must be to ensure that the equipment can be safely used until the next check is due.

It is important to pay attention to the following special aspects for safe operation of one post equipment during regular inspections:

- Check the structural stability **twice a year**, uncover the foundations to do this
- Examine the earth/air zone of stand posts with extra care
- Measures for ensuring structural stability of load-bearing wooden components
 - knocking test: the clearer the sound the “healthier” the wood
 - hammer and nail test: the clearer the sound becomes as the nail is hammered in deeper and deeper, the “healthier” the wood
 - incremental drill test (spot-related information): provides very reliable information on the “internal” condition of the cross-section of the wood in one spot by enabling the person conducting the test to visually check the specimen, rub it between their fingers and smell on it
 - resistograph (spot-related information): very good information on the internal solidity of the wood, however, only experienced experts are able to interpret the measurement graphs
 - tensile test: load test resulting in highly relevant safety-related information (see separate instructions)

Permadrur system as an additional measure for strengthening the structural stability

Wooden stand posts protected by the Permadrur system (i.e. the part buried in the ground is protected by a black heat-shrink tube and metal foil) are checked in almost the same manner.

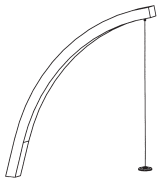
A 500 g hammer with a polyamide head (soft-faced hammer) is used to tap the post. Thus, the heat-shrink tube will not be damaged.

If the post is checked by determining the drill resistance (e. g. resistograph), drilling through the heat-shrink tube and metal foil is possible. However, the drill hole must be sealed with a dowel afterwards.

Spare Parts

Tarzan Rope with
Pendulum Seat

Order No. 7.64300/7.64301



Please note that the safety standards of the equipment must not be affected. Therefore, when carrying out repairs it is helpful to **only use original parts**.

Order No.

Spare part

0.92330

joint for pendulum seat



0.88190

square bar steel with 2 brass
bushes



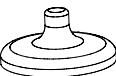
0.94500

pendulum seat with suspension



0.94110

pendulum seat without disc



0.94120

disc



0.93425

laminated beam, pre-drilled

