

June 10, 2022

OAKLEDGE UNIVERSALLY ACCESSIBLE PLAYGROUND CONSTRUCTION

Addendum 1

The following information is forwarded to all interested bidders for the above-referenced project.

BID DATE: The deadline to submit bids for the project has been extended to 1:00pm on Wednesday, June 29, 2022 at 1PM. Submission of bids must be made electronically to Jon Adams-Kollitz by emailing:

jadamskollitz@burlingtonvt.gov

1. Can the list of play equipment ordered by BPRW be provided with the vendor and cut sheets?

See attached for cutsheets.

Playground Items Purchased by BPRW (all from Goric):

	Playground Equipment Name	Estimated Weight/Dimensions	Estimated Date of Arrival
1	Integration Carousel, American version, without speed limiter	1 crate: 9.5' x 7.5' x 7.5' and 2,300 lbs.	To Job Site*; ready mid-July; delivery mid-September
2	Set of 6 Emperor Chimes	Box 1 - 99" x 11" x 6", 77 lbs. Box 2 - 91" x 11" x 6", 69 lbs. Box 3 - 79" x 11" x 6", 60 lbs. Box 4 - 36" x 17" x 3", 53 lbs.	To 645 Pine Street; delivery in August
3	Set of 3 Cajon Drums	3 boxes each one - 19" x 17" x 14", 44 lbs.	To 645 Pine Street; delivery in August
4	K&K Talk Tube Connection (26 meters)	1 crate approx. 7'x4.5' x 2.5' and 400 lbs.	To Job Site*
5	K&K Talk Tubes	(assuming with connection).	To Job Site*

*The installer will need to have the appropriate forklift for offloading from the delivery truck

3. Can BPRW provide information on Phase 1- who constructed, who poured the surfacing, etc.
 - GENERAL CONTRACTOR/Equipment Installation: M.E. O'Brien,
 - EXCAVATION/SITE PREP: EIV Technical Services
 - RUBBERIZED, POURED-IN-PLACE SURFACING: Surfacing America
4. Can you please provide additional information for the EV charging stations or will these be supplied by others?

BPRW will supply and install the charging station.

5. For the pour in place play surfacing, could you please identify where there is 2" thick layers and 4" thick layers. We are unable to locate in the plans where the different thicknesses are delineated.

Sheet L 5-6 Play Surface Layout indicates thicknesses to assume for the various areas.

In summary, 3/L 5-6 Embankment Slide exit zone & 2/L 5-6 Landing area (TBD) are noted as 4" thick. The remaining areas are noted as 2" thick.

6. We would like an extension to the bid due date. We request an additional 2 weeks which would extend the due date to June 29, 2022.

Agreed. **The bid deadline has been extended to June 29th, 2022 @1pm.** All bids are due electronically. The new zoom information is:

Topic: Oakledge UA Playground Bid Opening

Time: Jun 29, 2022 01:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/82837191308>

Meeting ID: 828 3719 1308

One tap mobile

+13126266799,,82837191308# US (Chicago)

+19292056099,,82837191308# US (New York)

Dial by your location

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

+1 301 715 8592 US (Washington DC)

+1 346 248 7799 US (Houston)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

Meeting ID: 828 3719 1308

Find your local number: <https://us02web.zoom.us/u/kzLqseBzG>

7. We are also concerned that some of these subcontractors will have questions that will need to be addressed. We request that the due date for questions is moved to June 22, 2022.

Agreed. **Final deadline for questions extended to June 22, 2022 @1pm.** All questions are due electronically.

Installation Instructions

Ground Fixed

Cajón
Page 1 of 3



Instrument Components:

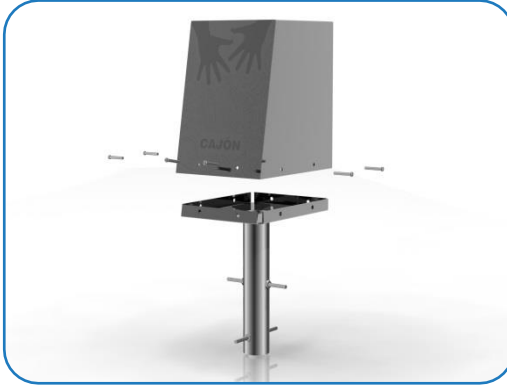


x8
M8x25mm Pin Torx

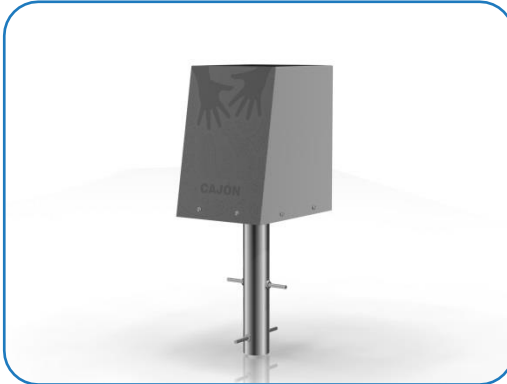
Metric Conversion:
200mm/ 8"
400mm/ 16"
450mm/ 18"
1.5m/ 59"



1. Using M10 nuts and 200mm bolts supplied locate through pre drilled holes and secure bolts in place to support in ground pole in concrete. (See Assembly Guide)



2. Attach Cajon to ground fix plate and leg using **M8x25mm security screws** provided using thread lock solution not supplied.

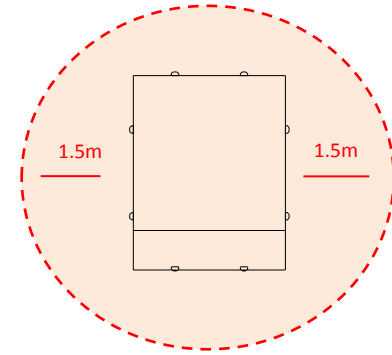


Weight of heaviest part **18kg** (Cajon Drum)

3. Excavate a hole for the drum **200mm diameter by 450 deep** in desired location upon decision from customer. (See Ground Fix Post Installation)

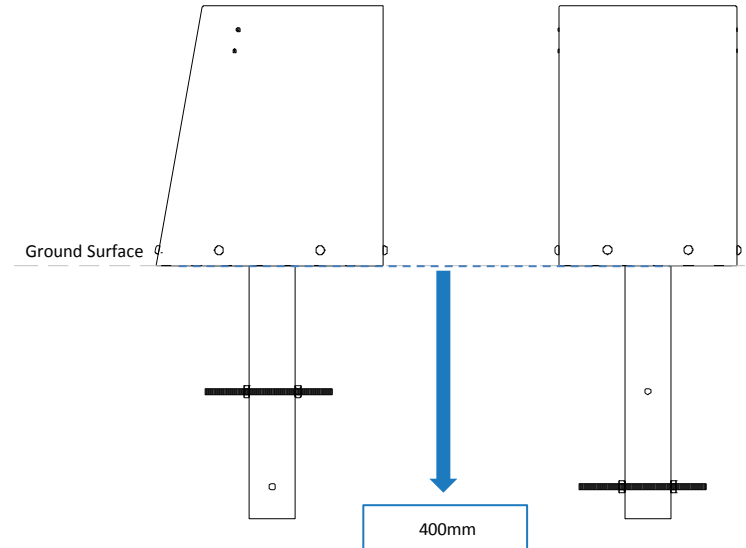
4. Locate (lower) leg into hole making sure that the cajón is level on ground surface.

5. Once happy with location of the Drum, **fill** hole using rapid hardening **concrete**. Be sure to compact concrete around legs and leave to dry according to manufactures guidelines.



Install instrument with 1.5m free space (from widest point) around it.

CAUTION: Drum surface can get hot in direct sunlight, if possible install in shaded areas.



Played with hands

Ground Fix Components:

x2
M10x150 Threaded bar

x4
M10 BZP Nut

Spares available form
percussionplay.com or from your
local distributor

22 Kg

Thread Lock Solution
Required (Not Supplied)

Ground Fixed

Cajón
Page 2 of 3



Instrument Components:



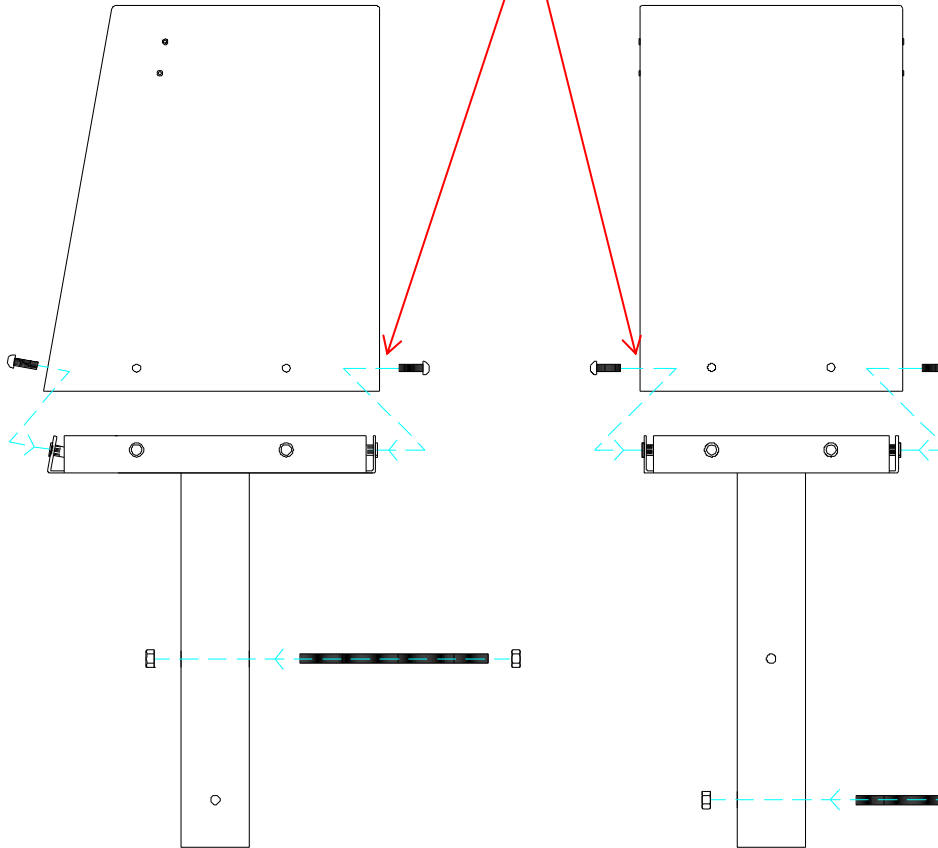
M8x25mm Pin Torx

CAUTION: Drum surface can get hot in direct sunlight, if possible install in shaded areas.




Thread Lock Solution
Required (Not Supplied)



BS EN 1176



COMPONENTS LIST:

-  M10 Nut X4
-  M10x200 Threaded Bar X2
-  M8x25 Pin torx X8



Played with hands

Ground Fix Components:

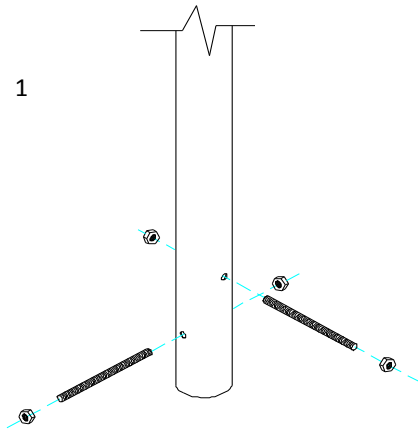
 x2
M10x150 Threaded bar

 x4
M10 BZP Nut

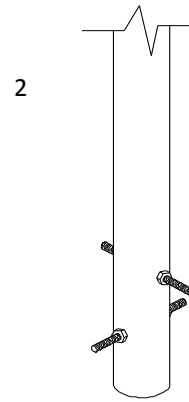
Spares available from
percussionplay.com or from your
local distributor

22 Kg
13.4 Kg

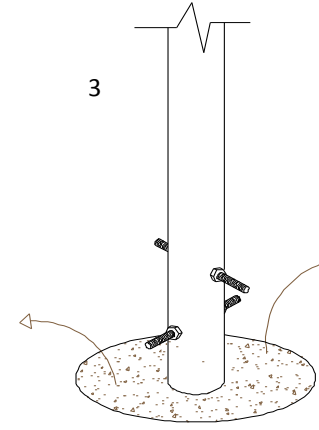
Ground Fix Post Installation



1
Insert M10x 200 Threaded bar into pre drilled holes in Ground Fixing Post

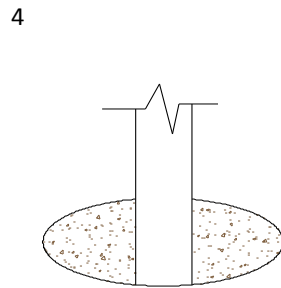


2
Fix M10x 200 Threaded bar in place using M10 Nuts

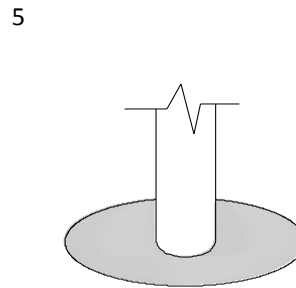


3
Excavate a hole with a 250mm diameter tapering down to 350mm diameter and 450mm depth

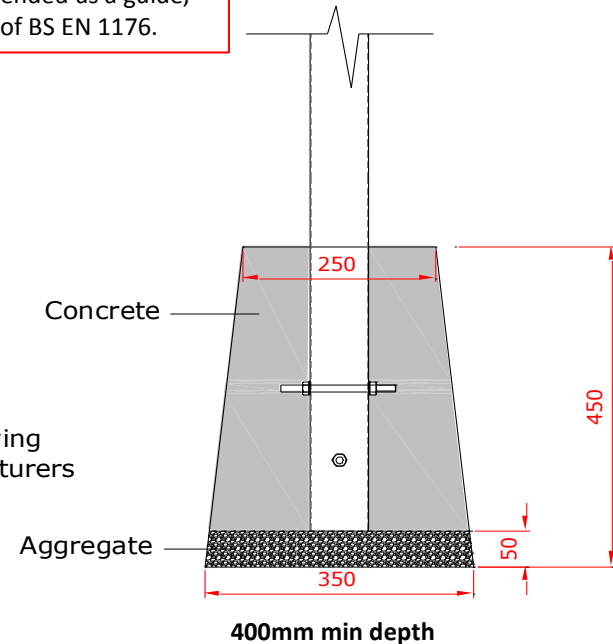
Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 7 of BS EN 1176.



4
Compact base of hole with 50mm of aggregate. Lower ground Fix post attached of instrument into hole (check instrument straight and level before filling with concrete)



5
Fill hole with fast drying concrete to manufacturers specifications.



Ground Fixed

Cajón
Page3 of 3



Components:



x2
M10x200 Bolt



x4
M10 Nut

Metric Conversion:
50mm/ 2"
250mm/ 10"
350mm/ 14"
400mm/ 16"
450mm/ 18"

Thread Lock Solution
Required (Not Supplied)

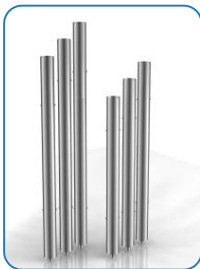


BS EN 1176

Installation Instructions

Ground Fixed

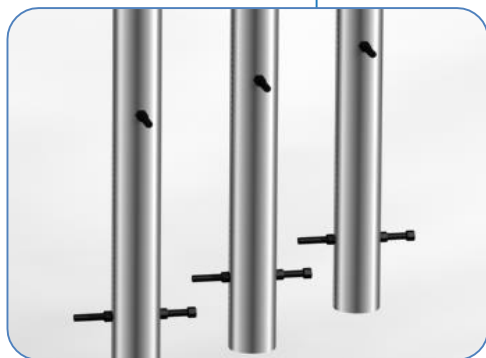
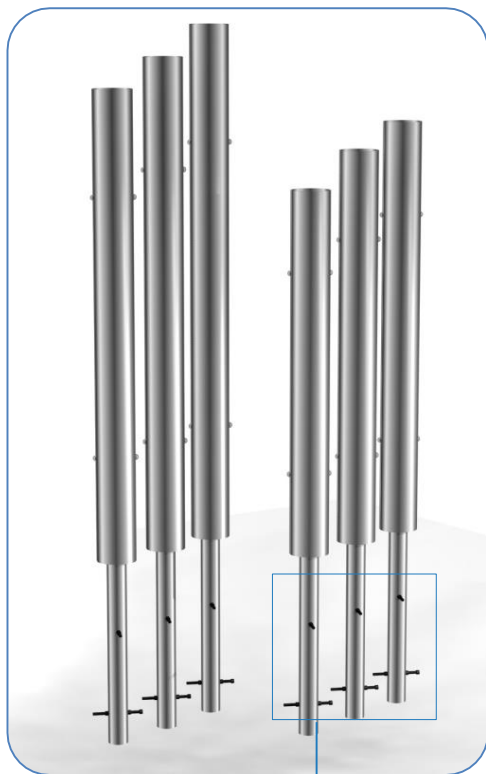
Emperor Chimes
Page 1 of 2



Instrument Components:

Emperor Chimes are pre-assembled

Metric Conversion:
100mm/ 4"
250mm/ 10"
600mm/ 24"
1.5m/ 59"
1785mm/ 70"
2490mm/ 98"



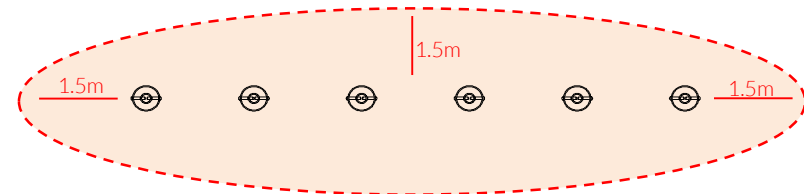
Weight of heaviest part **25kg** (XL Chime)

1. Attach Ground Fixing posts to legs **(1.2)** (See Ground Fix Post Installation Sheet)

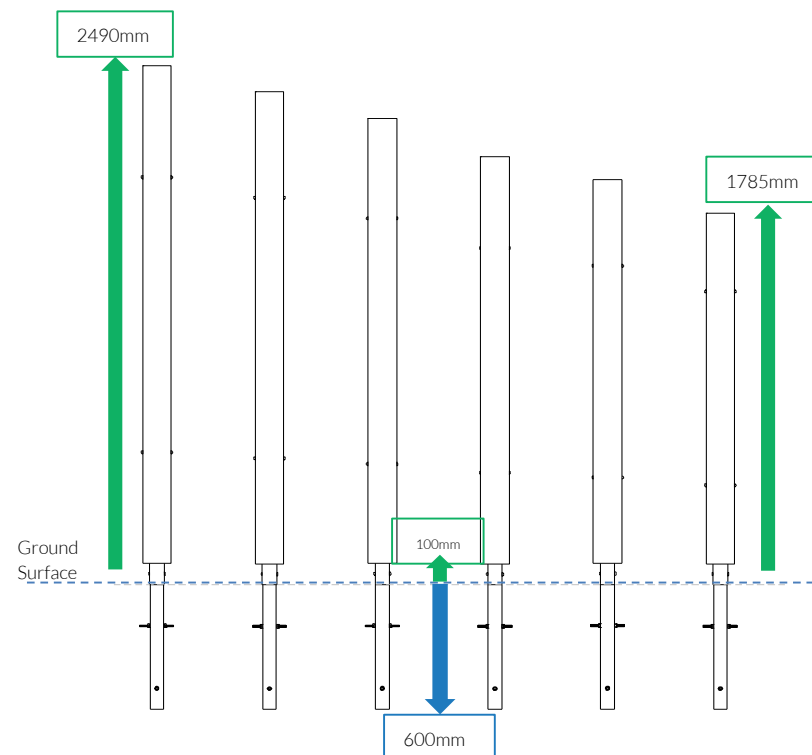
2. Excavate **6** holes for Emperor chimes **250mm** diameter by **600mm** deep in desired location upon decision from customer.

3. Locate (lower) legs into holes making sure they are vertical and level prior to concreting in place. Chimes should be **100mm** from ground surface.

4. Once happy with location of the chimes, **fill** holes using rapid hardening **concrete**. Be sure to compact concrete around legs and leave to dry according to manufactures guidelines.




Install Instrument with 1.5m free space (from widest point) around it.




Played with hands

Ground Fix Components:

 x12
M10x150 Bolt

 x24
M10 Nut

 x6
M10x50 Security Screw

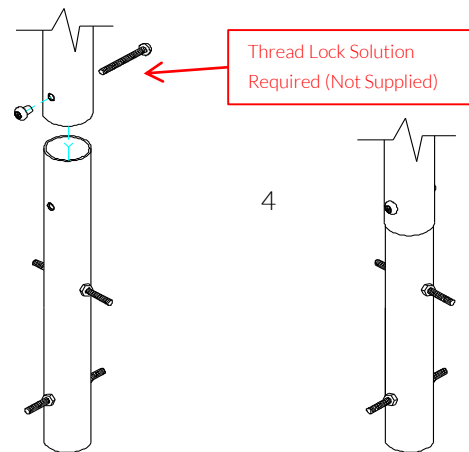
 x6
M10 Barrel Nut

Spares available from
percussionplay.com or from your local distributor

117 Kg

Ground Fix Post Installation

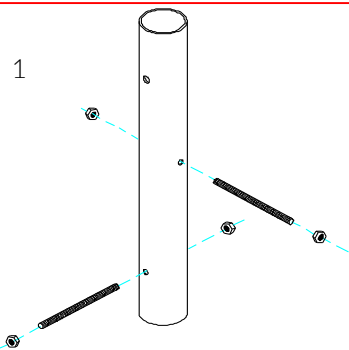
Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 7 of BS EN 1176.



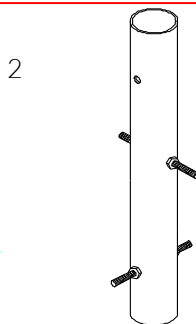
Tools:

x2
TX 45 Driver Bit

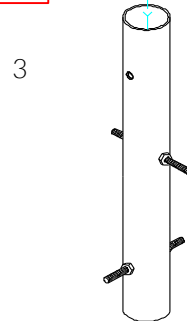
Metric Conversion:
50mm/ 2"
100mm/ 4"
250mm/ 10"
350mm/ 14"
600mm/ 24"
650mm/ 26"



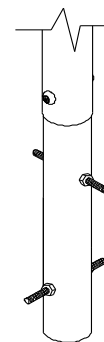
1
Insert M10x 150 Threaded bar into pre drilled holes in Ground Fixing Post



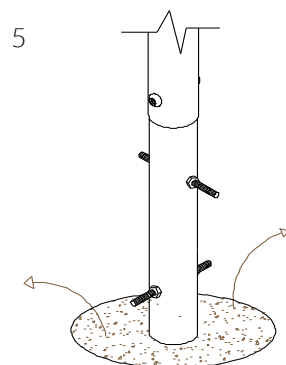
2
Fix M10x 150 Threaded bar in place using M10 Nuts



3
Locate the Ground fix Post into the leg of the instrument.

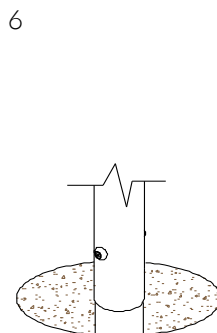


4
Fix instrument to Ground fix post using M10 bolt and Barrel Nut and use **thread locking solution** to prevent fixings working loose.

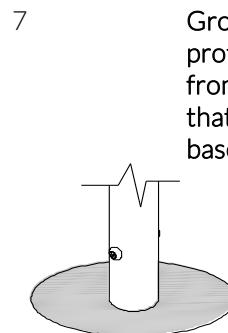


5
Excavate 6 holes with a 250mm diameter tapering down to 350mm diameter and 650mm depth

600mm max depth

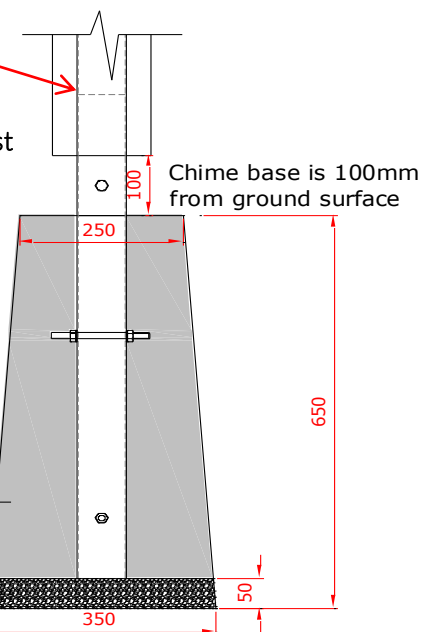


6
Compact base of hole with 50mm of aggregate. Lower ground Fix post attached to instrument into hole (check instrument straight and level before filling with concrete)



7
Fix hole with fast drying concrete to manufacturers specifications.

Ground fix tube protrudes 300mm from ground surface that inserts into the base of the chime post



Concrete

Aggregate

Chime base is 100mm from ground surface

650

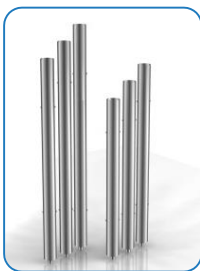
250

350

50

Ground Fixed

Emperor Chimes
Page 2 of 2



Components:



x12

M10x150 Threaded Bar



x24

M10 BZP Nut



x6

M10 Barrel Nut



x6

M10x50 Security Screw

Thread Lock Solution
Required (Not Supplied)

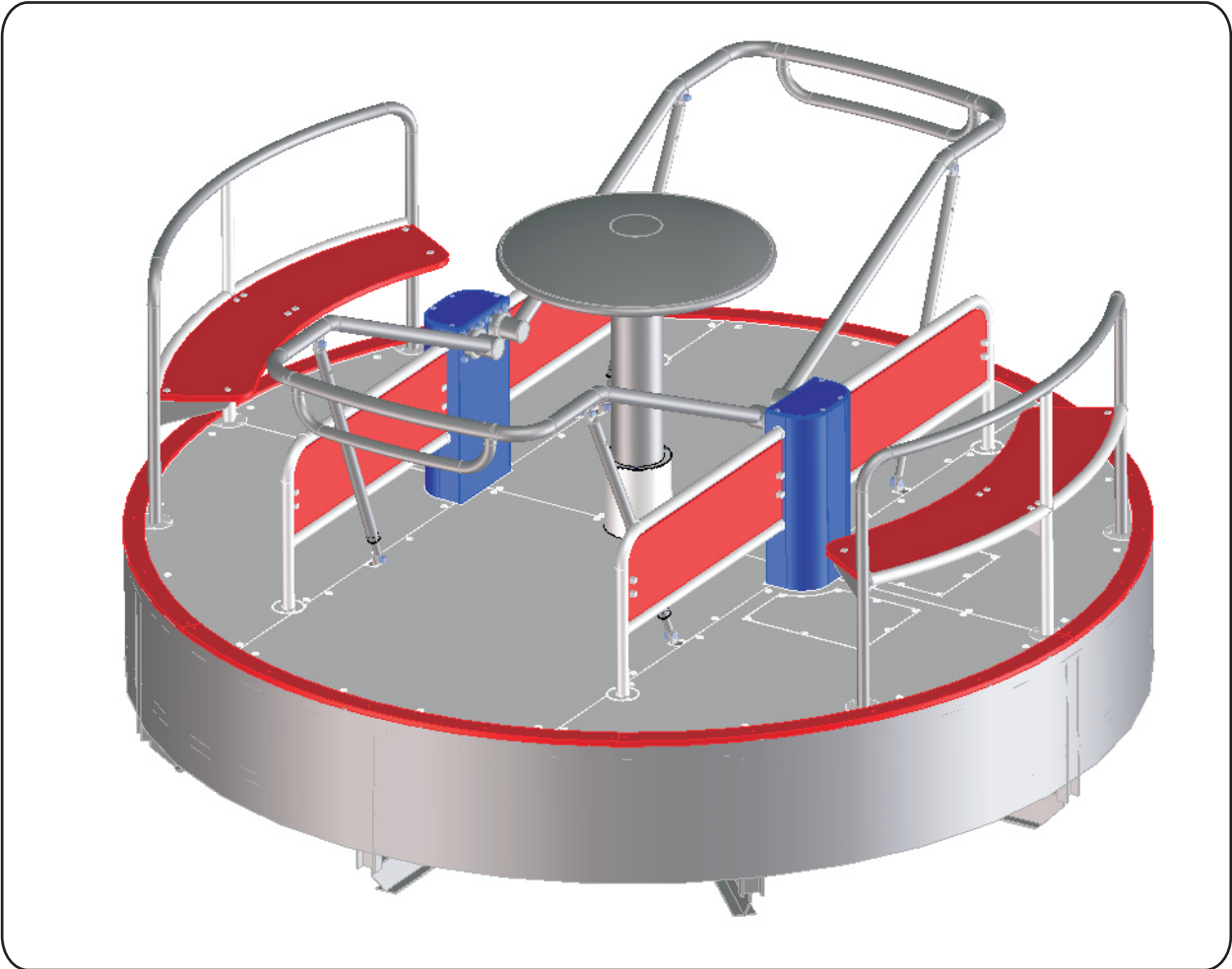


Article pass / Guarantee certificate

Scope of delivery Ground work Assembly Maintenance



EIB 5640030



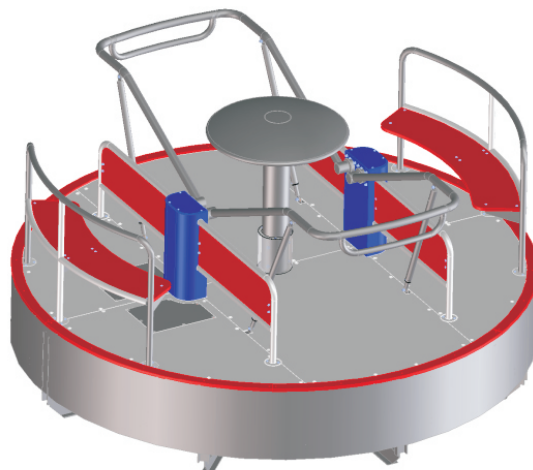
Attention: Guarantee
Keep these documents in a safe place.
Please indicate the workshop order number (RM-Nummer) in all inquiries and complaints.

RM-Nummer:



**Hauptgeschäftsstelle
für Deutschland und weltweit**
eibe Produktion + Vertrieb GmbH & Co.
Industriestr. 1
D-97285 Röttingen
Germany
Tel. +49-(0)93 38/89-0
Fax +49-(0)93 38/89-199
E-Mail eibe@eibe.de
www.eibe.net • www.eibe.de

- **unprofessional assemblies (not according to the eibe Assembly Instructions or EN-1176/77)**



Please make sure to carefully read and pay attention to all paragraphs marked with a ☒. The paragraphs marked ☐ do not refer to your equipment and therefore need not be paid attention to.

- ☒ You have decided in favor of an **eibe** item. Congratulations on your choice! All **eibe** items are produced of select materials and subjected to severe quality checks.

All **eibe** items are fabricated in such a way as to allow easy do-it-yourself assembly. We are, of course, ready to do that for you. Just let us know in advance.

To make assembly of your new **eibe** item easy for you, we have prepared these assembly instructions. Step by step you will be guided through the various assembly stages up to the finished play equipment.

Should you encounter any unforeseen problems during assembly, please get in touch with our service department. Our representatives will be happy to help you.

- ☒ **Materials Used:** wood is a natural product. Temperature fluctuations may therefore cause minor cracks and deformations which do, however, neither affect the load carrying capacity of the wood nor represent a reason for complaints. Being a recognized impregnation company, **eibe** is authorized to carry the RAL quality mark and is therefore subject to regular third-party inspections. You can therefore rely on all batches being impregnated correctly.

eibe uses core-separated wood as it is less prone to cracks than boxed heart (wood with core).

- ☐ **Wood protection:** you need not refresh the wood protection carried out by means of the **eibe** impregnation. Due to climatic influences / UV radiation, the outer cell structure slowly decomposes, constituents such as tannic acid are extracted, the wood is being leached and takes on a gray color. This is a purely external effect and does not constitute any deterioration of quality, stability or wood protection. If you are bothered by the fading colors, you can freshen up the wood by way of a transparent, water-based shade equalizer which needs not contain fungicides or biocides.

Varnished components, however, need to be repainted after two years, then every year.

- ☐ **Maintenance of Glue-laminated Timber:** The glue-laminated timber consists of select conifers and is processed with weather-resistant glue.

This high-quality component was treated with a wood protection agent, which safeguards the wood against insects, fungi and the influence of the weather. The wood protection agent corresponds to the wood protection standard DIN 68800 part 3, danger classification 3.

However, not even this highest-quality process can protect the wood from shrinkage and dry cracks. We therefore recommend that you check the glue-laminated timber for cracks and abrasion damage at least once a year, preferably during the late summer period. The glue-laminated timber has to be repainted as soon as you identify any of the above described damages. The fronts of the glue-laminated timber must receive 2 to 3 layers of paint (let glaze dry after each paint finish). If you see to regular maintenance intervals (once a year) you will have to expect repairs after 1 to 3 years,

depending on the local weather conditions.

Prior to reworks we recommend that you

- remove dirt, leaves, soil, algae
- remove flaking off and thick layers of old paint
- slightly abrade the remaining layer(s) of old paint

If you want to give your glue-laminated timber a new look or an additional protective layer, use our open-pore PU-acrylate-based Koralan wood paint (article number 5 63 050 0).

- ☒ **Subject to Technical Changes!**

- ☒ **Assembly Instructions:** Knock round-sheath screws with a rubber hammer only in order not to damage the corrosion protection.

Use washers under all nuts and tighten all nuts with "feeling". If you tighten them too strongly, an unnecessary high amount of wood fibers tear off underneath the screw head. Recesses are provided for the countersinking of the screw nuts. For easy positioning of the nuts in the recesses, put one or two of them into the wrench and slip onto the screw.

Use a two-way drill with enough pull for assembly. A battery-driven screwdriver is not suitable!

- ☒ **Disposal:**

- Impregnated waste wood: thermal disposal
- Metals, noble metal, GRP, plastics: textile disposal

- ☒ **Warranty:** The products are subject to the warranty conditions applicable on the day of their consignment. Unless agreed upon differently, the following warranty conditions apply:

eibe grants the following guarantee periods:

- 10 years on all pressure-impregnated timbers against rotting and fungi
- 5 years on **eibe** articles with quality seal.



Excepted from the guarantee are the following:

- Wear and tear from normal use; the wearing parts are listed in the article pass/guarantee certificate (assembly instructions)
- Willow articles, sunshade roofs, nets, ropes and cables, powder coating, materials, tarpaulins, rubber tensing elements, glazings and coatings
- Wilful damage and vandalism
- Incorrect installation or installation not in accordance with the instructions
- Inadequate maintenance and care (documentation according to EN 1176 f.)

The precondition for the guarantee taking effect is maintenance of the equipment by trained personnel and according to the instructions provided by **eibe**, and if necessary professional repairs using original spare parts. Evidence that maintenance has been carried out correctly is to be provided by the customers or operators of the play equipment.

If the guarantee claims are justified, **eibe** has the choice of repairing the defective articles or supplying items that are free of faults. The guarantee claim includes professional disassembly and installation.

- ☒ **Labeling:** all **eibe** products are marked with a label or sticker. Label or sticker inform on delivery date ①, the feedback number ② (in few cases the product article number), and the valid standard ③. Please indicate both delivery date and feedback number in all complaints and repeat orders.



- ☒ **Positioning on the Playground:** Please remember that exposure to strong solar radiation and thus heating up of the product should by all means be avoided. This is true especially for slide bars and slides. Position the equipment in natural shadows e.g. of trees or facing certain directions. We do advise you not to position the slides towards south-east, south or south-west as the slide surfaces are likely to heat up very strongly.

If you use large-area and flexible components such as sun sails or similar shadow-creating elements on your playground, make sure to secure them against the effects of wind. Please remove them in case of strong winds or storms.

- ☒ **Surrounding Area Requirements:** The area within the safety zone must be even. Please adhere to the indications in our tender documents and the foundation plan.

Please make sure that all assembly equipment has been removed before you open the equipment to the children.

If the mounting site provides conditions that are out of the ordinary, e.g. peaty soil or frozen ground, such conditions absolutely have to be taken into account.

All changes on parts of the equipment or on its construction which may affect the basic safety of the device are subject to prior manufacturer approval.

✓ Fall Protection: Maintenance in regular intervals is required also for the fall protection of your **eibe** products. Pay particular attention to the absence of pointed objects within the area of impact (make sure that there are no glass splinters or similar!). The flooring of the impact zone (e.g. sand, pebbles, bark mulch, fall protection tiles) must be absolutely intact and have the correct height.

✓ Marker Holes: The column bases bear bore holes indicating up to what height they have to be planted and covered with the bulk material (e.g. sand, tree bark mulch). You should plant the column bases in such a way as to allow the marker holes to remain clearly visible from the outside of your **eibe** product.

□ One-Pole Playground Equipment: All playground equipment featuring either one supporting pole (e.g. rope trees) only or supporting poles aligned one after the other (e.g. horizontal three-level bar) are subject to the following maintenance procedures:

The supporting poles are essential to the stability and safety of the equipment and therefore require your particular attention. These poles must be checked for their stability both during the "Major Annual Inspection" and on occasion of the "Monthly Operational Inspections".

Whether your **eibe** equipment remains safe to play with for many years depends solely on your expert maintenance.

□ Operational Maintenance of eibe Equipment With Wooden Poles: The "Operational Maintenance" has to be carried out at least once a month. Please pay particular attention to the cross-over area between wooden pole and soil up to an underground depth of 20 cm. The pole must be replaced immediately if it shows a weathering of more than 5mm or the first signs of a fungal attack or damages by animals, or in case of any other signs indicating a possible instability.

□ Test Procedure for Planted Poles:

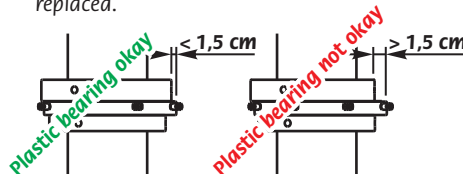
- Remove 20 cm of the impact-attenuating flooring around the pole.
- What does the wood look like? It may show slight signs of surface abrasion and other weak spots, i.e. no worm holes, fungi etc. must be visible. (Lesser damages do not affect the safety of your **eibe** product).
- Use a blunt tool such as a hammer and knock on the wood. The sound must be uniform throughout the entire pole (unless the wooden part has bore holes or wet parts).
- Try to penetrate the surface of the wood with a pointed object such as a pocket knife or a screwdriver. The surface should show resistance.

If the wooden component does not pass all of the above tests, it must be replaced.

Now you can remount the impact-attenuating surface. Please remember to observe the prescribed minimum height. Free the poles of all plants, moss or other objects that may allow humidity to penetrate the wood.

✓ Operational Maintenance of eibe Equipment With Metal Posts: The posts are of aluminum / zinc-coated steel. Please check whether particular conditions (e.g. salt water, electrolytic corrosion) have caused pitting or a weakening of the posts (e.g. vandalism). The unstable posts have to be repaired by an expert, or be replaced

□ Operational Maintenance of eibe Rope Trees: Check the bottom plastic bearing between net connection and metal post for wear and tear. If the central ring can be moved horizontally by more of 1.5cm towards the post (see illustration below), the plastic bearing has to be replaced.



Merry-go-rounds: The distance between outer bottom edge of the merry-go-round and the shock-absorbing flooring may be between 6 cm and 11 cm. This distance has to remain the same at all times, i.e. must not lessen through turning and spinning.

Space Requirements: The first two numbers indicate the minimum space required for your **eibe** equipment, including the impact area (formerly safety area).

✓ Our floor type recommendations apply to this area.

Independently of our recommendations, you have to allow for an obstacle-free area of at least 1.50 m all around the device. This area must be absolutely free of hard or sharp-edged or protruding parts a child could fall onto. This area is not subject to any regulations regarding impact-attenuating flooring.

✓ General Maintenance Information: All children's playground equipment requires regular inspections and maintenance works. This applies in particular to all those units which are mounted outdoors (throughout the whole year) and which incorporate moving parts or parts that are subject to wear and tear.

The long life of our **eibe** products can be guaranteed only if you provide regular maintenance and service. This is the best and only way to permanently maintain the play value for your children and the safety of your **eibe** products. You should make sure that experts carry out all maintenance and service works. Inexpert inspections or repairs may endanger the safety of your children!

The maintenance of your **eibe** products according to these instructions is prerequisite to the **eibe** warranty.

Basis to these maintenance recommendations are our many years of experience. If your local conditions and directives, your particular playground equipment or your own expertise and experience require different inspections and maintenance performances, please adhere to the definitions given in the EN-standard 1176-7.

EN 1176-7 Excerpts:

7 Inspection schedule

7.1 To avoid accidents, the owner has to make sure that an adequate inspection schedule is developed and adhered to for

each playground. In such schedule, all local conditions and manufacturer's indications that may have an influence on the necessary maintenance frequency, have to be taken into consideration.

The inspection schedule should list all parts, which have to be checked during the different inspections, and the inspection procedures according to 6.2. [**eibe** describes the execution of the inspection according to the procedures explained in 6.2 on the following pages].

7.2 If severe and safety-endangering defects are discovered during an inspection, they should be eliminated immediately. If they cannot be repaired or replaced at once, the respective equipment has to be excluded from use, e.g. by dismantling or closing it down.

If an equipment component has to be removed, e.g. for maintenance works, all anchoring or foundations that remain in the ground have to be removed also or be made inaccessible by means of covers. The construction site should then be secured.

The EN 1176-7 requires a visual routine inspection for playgrounds. In the case of heavily frequented playgrounds or those endangered by vandalism, daily checking may be necessary. Sites in the vicinity of coasts, air pollution and the age of the facilities may also render daily checking necessary. In the operative inspection, **eibe** specifies how often which areas must be inspected on this piece of equipment in order to maintain safety standards for normal usage. After 12 months at the latest (preferably following the winter months) a "main annual inspection" will be required.

At the very end of these maintenance instructions you are offered a maintenance report sheet for the entry of your equipment maintenance results.

Have fun with your play equipment!

eibe Production + Vertrieb GmbH & Co.

Visual Routine Inspection:

- Check your **eibe** product for visible damages and loose parts
- Does the ground show hard or pointed objects (e.g. splinters of glass) and/or are the play, fall, swing or slide areas dirty?
- Are there any exposed foundations?
- Do you identify sharp edges, broken or missing parts?
- Are components overly worn and torn? Please pay particular attention to moving parts such as chains, swing joints.
- Fill up worn-down impact areas (e.g. slide exits). Please observe the markings on the poles and column bases.

We strongly recommend the daily inspection of heavily used or high-vandal-risk playgrounds. Daily inspections may also become necessary in case of playgrounds that are close to the coast

or located in highly air-polluted areas, or which have already been in service for a certain period of time.

All damages and defects have to be eliminated immediately in order to guarantee the safety and functional reliability of your **eibe** products.

Access to the playground equipment has to be denied in the following cases:

- The equipment has not been fully or safely installed
- The shock-absorbing surface has not been fully installed
- The safety of operation cannot be guaranteed by maintenance works

Please remember to enter your results in the maintenance report form!

Operational Inspection:

Inspections once every

1 month

As for the "Weekly Visual Routine Inspection", the following checks have to be carried out during the monthly operational inspection:

- Check your **eibe** product for visible damage and loose parts
- Does the ground show hard or pointed objects (e.g. splinters of glass) and/or are the play, fall, swing or slide areas dirty?
- Are there any exposed foundations?
- Do you identify sharp edges, broken or missing parts?
- Are components overly worn and torn? Please pay particular attention to moving parts such as chains, swing joints.
- Fill up worn down impact areas (e.g. slide exits). Please observe the markings on the poles and column bases.
- Do all climbing handles and grips sit tight? Tighten loose grips and handles immediately. Unused handle holes on the climbing wall need to be plugged.

The monthly operational inspection requires the following supplementary checks:

- Are all wooden components okay? (e.g. fast and safe connection of the ladder rungs, no splinters or other damages)
- Are all glazed panel parts okay or do they require repainting? Please use a standard water glaze such as CLOU L12 if a new coating is necessary (2 years after consignment date at the latest, then

annually)

- Are all metal parts well connected and not worn down? (please pay particular attention to swing joints and chain connections and make sure they are not worn through)
- Are all screwed connections and bolted joints well fit? If not, please tighten them. Moving parts may require greasing or oiling.
- Are all ropes and rope ladders okay? Frayed steel ropes must be replaced immediately.
- Are the slide surfaces okay? Use our repair kits Laminat (article number 5 63 036 0) to touch up damages on the GRP slides and Oberfläche (article number 5 63 035 0) to revarnish the surface afterwards. The Oberfläche repair kit is absolutely sufficient for the elimination of minor damages.
- Are all plastic and rubber components okay?
- a) The fastening screws for cover no. DRE 24 BG25 must be checked for firm fit every month.
- b) Shake and rock the rotating desk to check that the screwed connection between the standpipe (with rotating disk) and substructure has zero backlash. If necessary, dismount cover no. DRE 24 BG25 so that you can re-tighten the screws M8x20 DIN912. Specified torque: 25 Nm. Also refer to the illustration on page 9.
- Does your playground equipment have wooden platforms of roofs? These may show variations in their dimensions due to

climatic fluctuations despite their excellent surface treatment (pressure process, clear varnish etc.). As the equipment is subject to both the influence of the weather and constant playing, gaps and holes may form that may entrap the children's clothing. Please check during our operative inspections whether the platform floors (and the slides and other components mounted to it) and the roof timberings are in perfect state. The above mentioned factors may require supplementary modifications.

- Certain parts (e.g. water pumps) have to be shut down and dismantled prior to the frost period, and stored according to instructions.

All damages and defects have to be eliminated immediately in order to guarantee the safety and functional reliability of your **eibe** products.

Please remember to enter your results in the maintenance report form!

Major Annual Inspection:

You should carry out the "Major Annual Inspection" after the winter or at least after 12 months. In addition to those of the "Monthly Operational Inspection", the following checks are required:

- Are all foundations okay and the equipment well anchored?
- If necessary, provide all wooden, metal, glazed and varnished parts and components with a new finish.
- Replace joints that show severe corrosions or heavy wear and tear.
- Specific parts (e.g. water pumps) have to be shut down / taken off and properly stored during the frost period.
- Wooden components: All wooden

components exposed to weather conditions have to be checked. Please pay particular attention to the parts planted underground as well as to all those components, which are essential to the static stability (e.g. cross bars on swings, bridge supports, cableway struts) of the playground equipment.

All damages and defects have to be eliminated immediately in order to guarantee the safety and functional reliability of your **eibe** products.

Please remember to enter your results in the maintenance report form!

EIB 5640030

Equipment data:

Surfacing inside the impact area:
synthetic fall protection, topsoil

Maximum free fall height:

0,8 m

Minimum equipment space:

d = 6,73 m

Required mounting space:

d = 6,73 m h = 2,44 m

For age groups of:

3 - 14 years

- ☒ This equipment corresponds to
EN 1176 part 1/5/7
DIN 33942

Symbol explanation:



Drill (ϕ = bore diameter)



Cast foundation in situ using
concrete type B25 KR, minimum
280 kg/m³ cement.



tighten all screws



see foundation plan



waiting time in days (e.g.
concrete hardening time)



Dimensions in "cm"



adjust



draw



close drilled holes with stoppers



Drill (t = drilling depth; ϕ = bore
diameter)



This symbol indicates that dangerous traps and opening dimensions may result
from a non-expert assembly. Please give these assembly instructions your
utmost care especially in case of the specified positions.

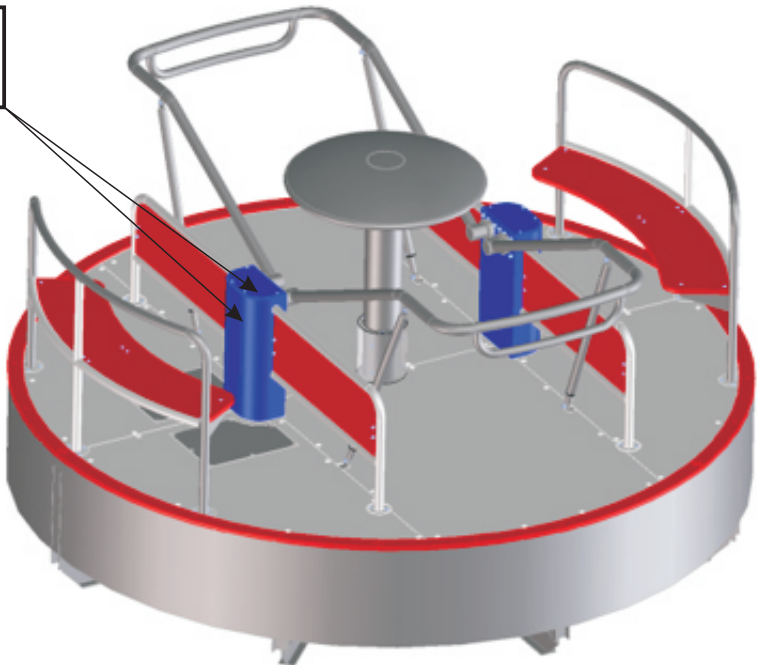
Scopy of delivery



EIB 5640030

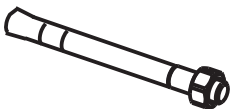
2x

98852500
Art. No.
2016
EN1176-1/5 :08



package circular

8 x
B-SA 12x105/15



10x
ISO 7380
M 6 x 10



L 01 030 0

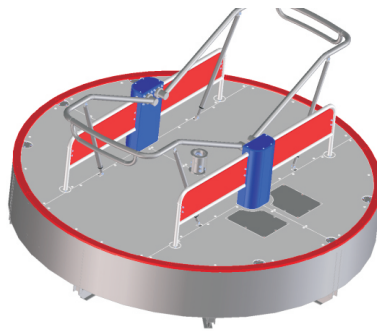
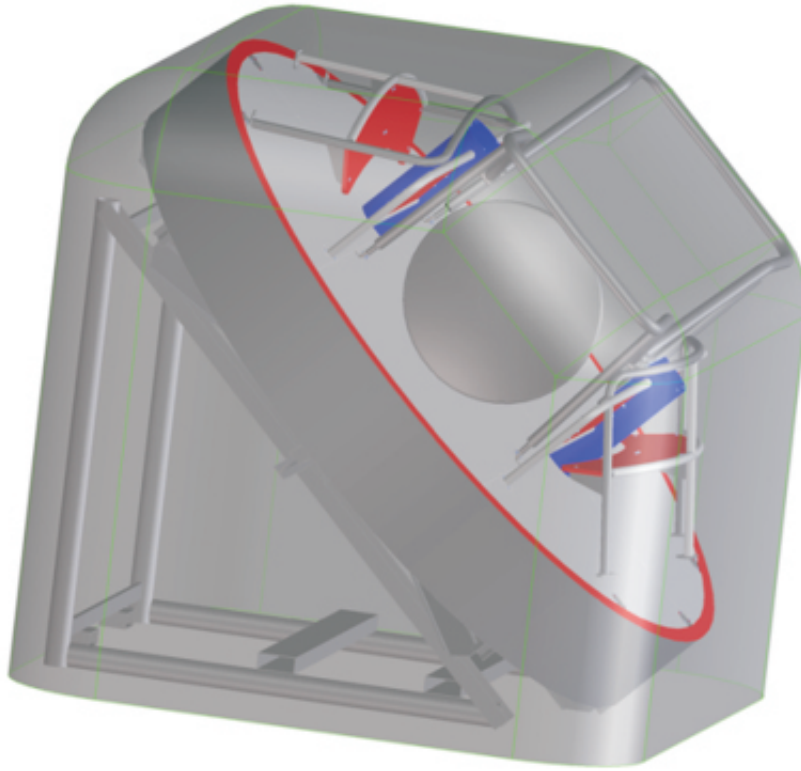


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Scopy of delivery if container shipping

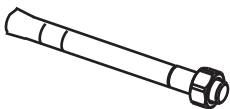


EIB 5640030



package circular

8 x
B-SA 12x105/15



18 x
M8x16 DIN 7380



6 x
M8x20 DIN 912



L 01 030 0



6 x
NL 8,7x13,5x2,5
DIN 25201

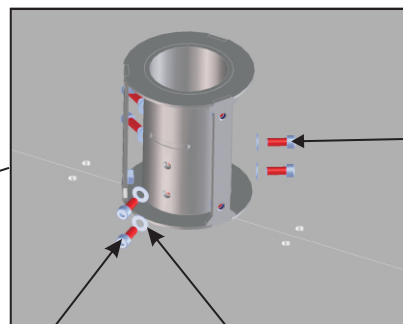


assembly

eibe

1.

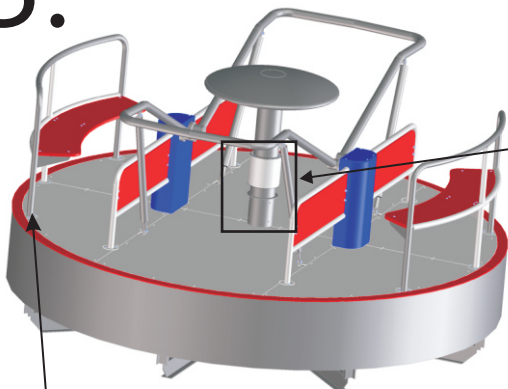
2.



6x M8x20
DIN 912

6x NL 8,7x13,5x2,5
DIN 25201

3.



18x
M8x16 DIN 7380

3x M6x10
DIN 965

6x M8x20
DIN 912

6x NL 8,7x13,5x2,5
DIN 25201

DRE 24 BG25

L 01 030 0



4.



M5 = 4,9Nm

M6 = 8,4Nm

M8 = 25Nm



< 5mm

- The fastening screws for cover no. DRE 24 BG25 must be checked for firm fit every month.
- Shake and rock the rotating desk to check that the screwed connection between the standpipe (with rotating disk) and substructure has zero backlash. If necessary, dismount cover no. DRE 24 BG25 so that you can re-tighten the screws M8x20 DIN912. Specified torque: 25 Nm.

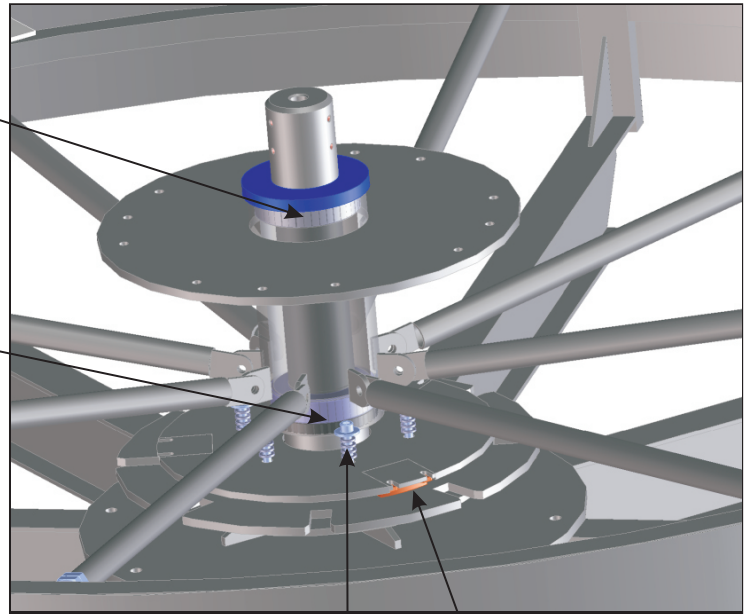
DRE 24 BG22



71004-0044
71004-0032



71004-0033
71004-0034



72304-0001



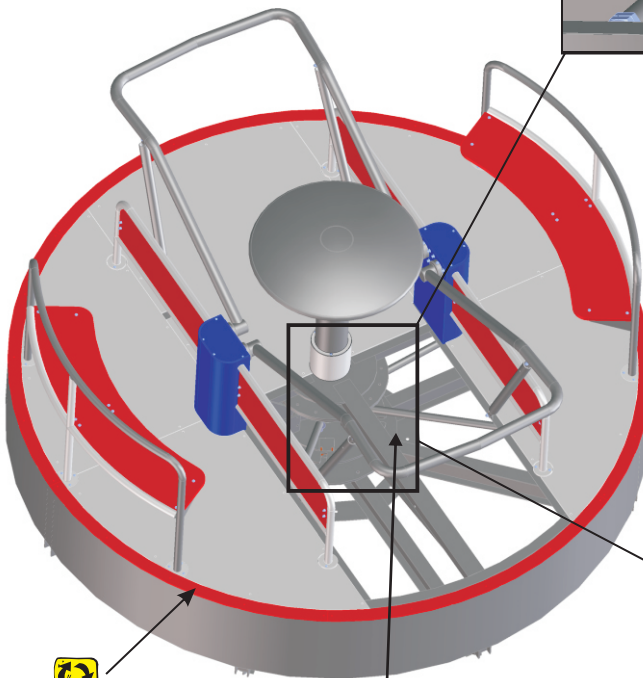
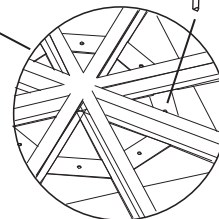
70611-0029

Instruction for taking off Center Post:

1. Take top plates off
2. Remove Center Post
3. Remove Adaptor

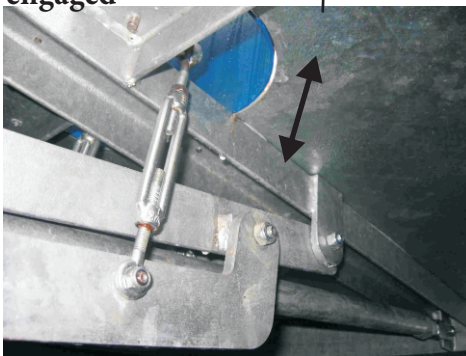
 $\emptyset = 12$

8 x

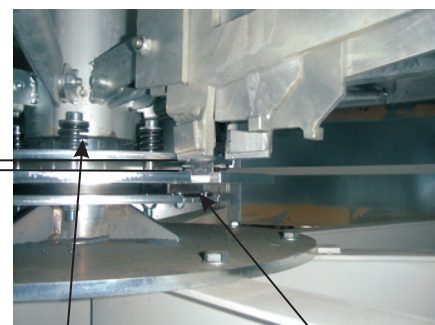


DRE 24 041

Brake should not be engaged



>15 mm



70611-0029

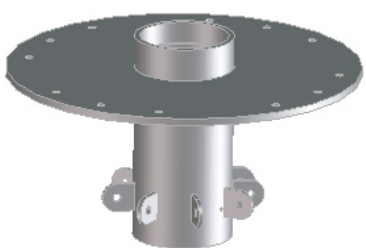
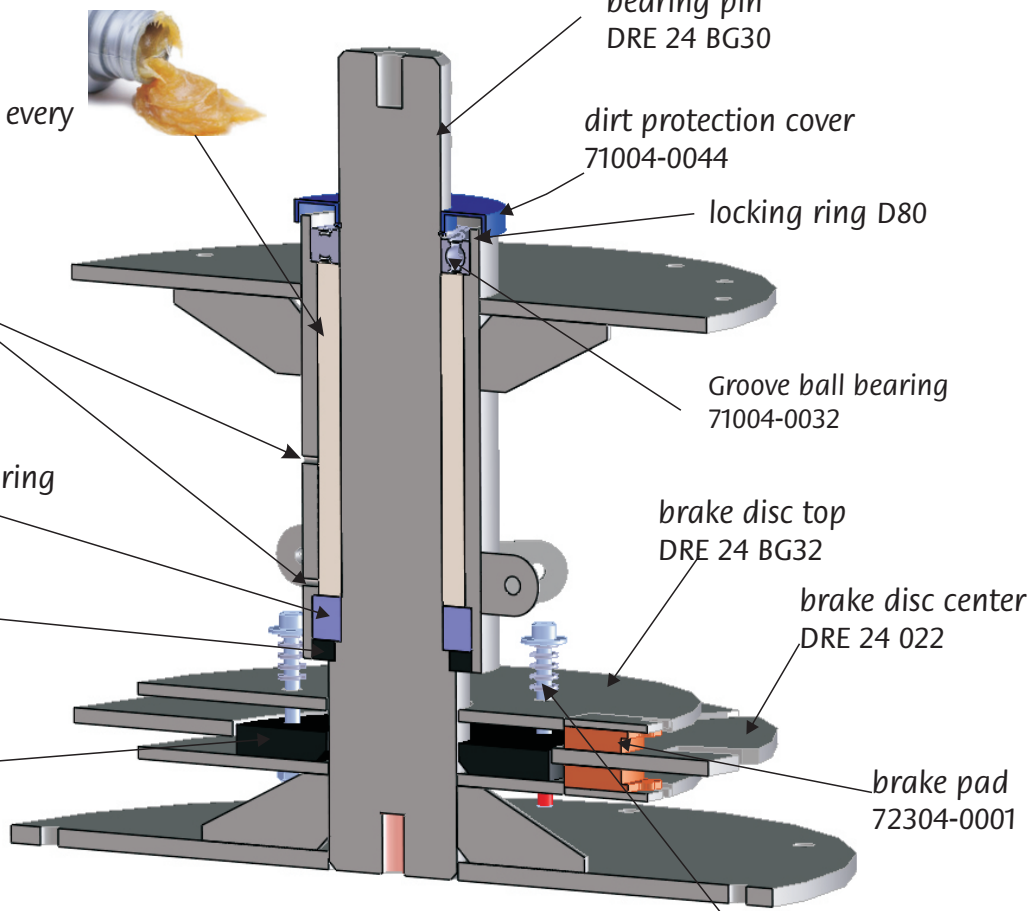


72304-0001



Part subject to wear (not part of our warranty)

punibile e comporta l'obbligo di indennizzo.
 maintenance:
 inspections once every 2 months
 taper roller bearing 71004-0033
 shaft seal 71004-0034
 distance ring DRE 24 023
 bearing pin DRE 24 BG30
 dirt protection cover 71004-0044
 locking ring D80
 Groove ball bearing 71004-0032
 brake disc top DRE 24 BG32
 brake disc center DRE 24 022
 brake pad 72304-0001
 Set of springs brake force adjustment DRE 24 BG29
 6 x 70611-0029
 6 x M10 x 110 DIN 912 verz.
 6 x Mutter M10 DIN 9021
 6 x Scheibe d= 10 DIN 985
 Dirt Cover Installation Instructions
 1. Take off Platform Plates
 2. Disassemble Center Post
 3. Take old cover off
 4. Carefully Clean top of bearing
 5. Install the new Dirt Cover
 6. Reinstall Center Post, make sure to use lock tight on the bolts
 7. Reinstall Platform Plates
 DRE 24 BG31
 DRE 24 BG30
 DRE 24 023
 72304-0001
 DRE 24 022
 DRE 24 BG32
 DRE 24 BG22



DRE 24 BG31



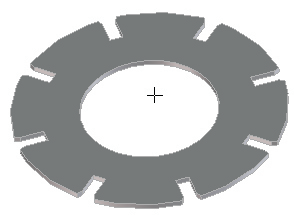
DRE 24 BG30



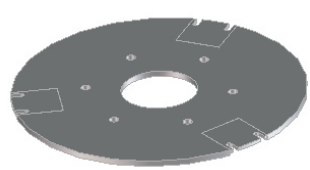
DRE 24 023



72304-0001



DRE 24 022



DRE 24 BG32



DRE 24 BG22

Set of springs
 brake force adjustment
 DRE 24 BG29

6 x 70611-0029
 6 x M10 x 110 DIN 912 verz.
 6 x Mutter M10 DIN 9021
 6 x Scheibe d= 10 DIN 985

Dirt Cover Installation Instructions

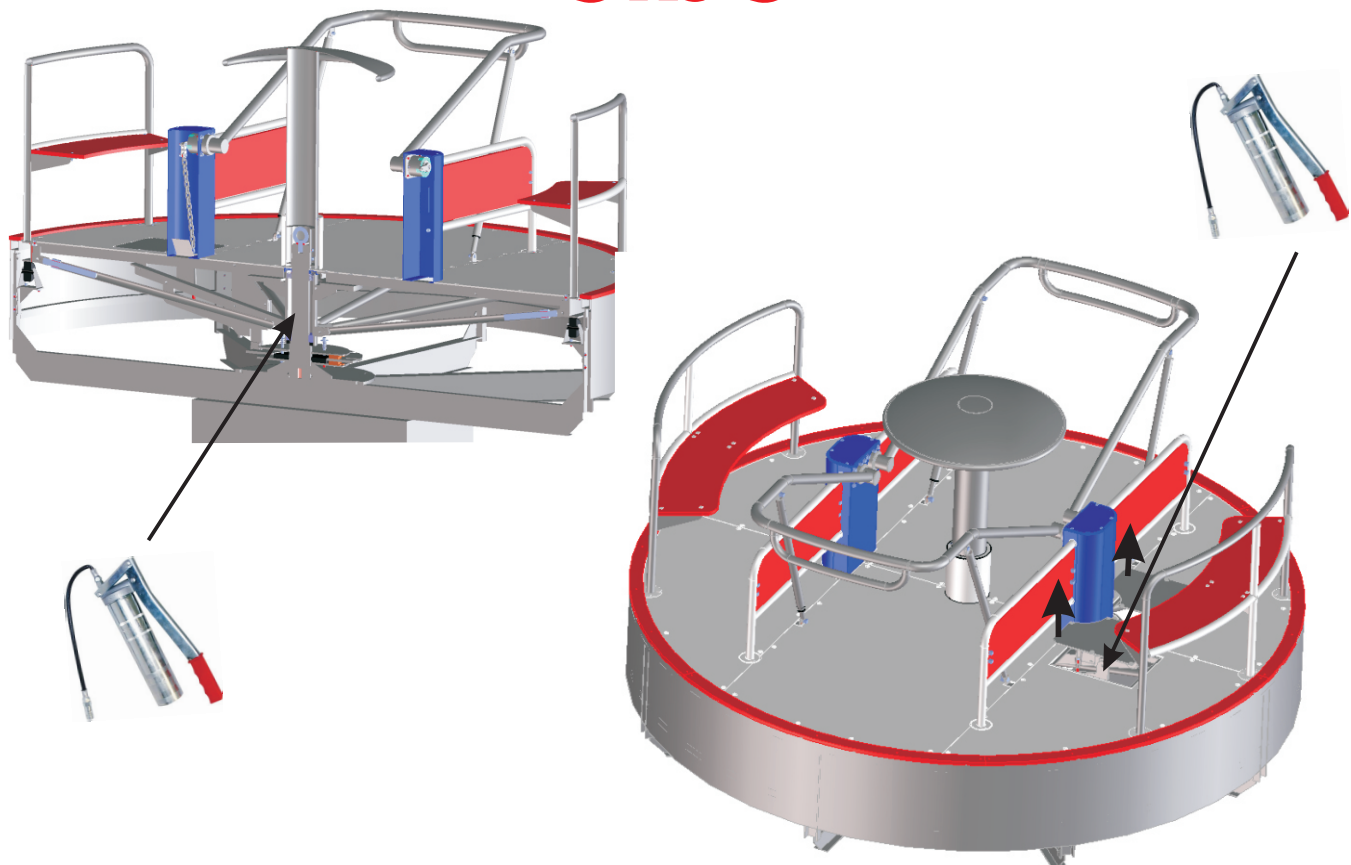
1. Take off Platform Plates
2. Disassemble Center Post
3. Take old cover off
4. Carefully Clean top of bearing
5. Install the new Dirt Cover
6. Reinstall Center Post, make sure to use lock tight on the bolts
7. Reinstall Platform Plates

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view cut

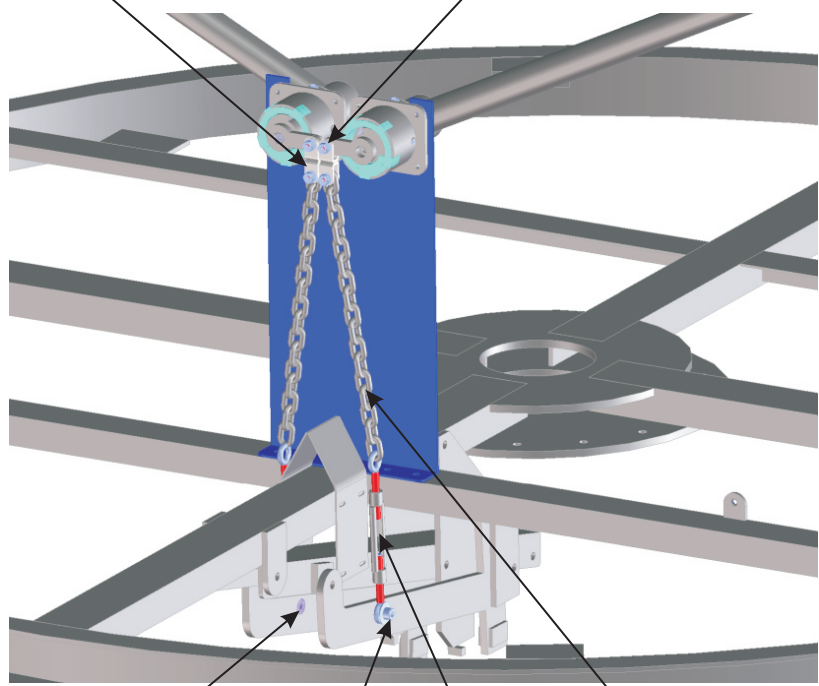
EIB 5640030



maintenance

je 2x SCH F 014
are welded

je 1x M8x30 ISO 7380
je 1x M8 DIN985
je 1x M8 DIN 125



M10 sleeve nut

M10 DIN 9021
M10x16 DIN912

M 10 DIN 1480
turnbuckle

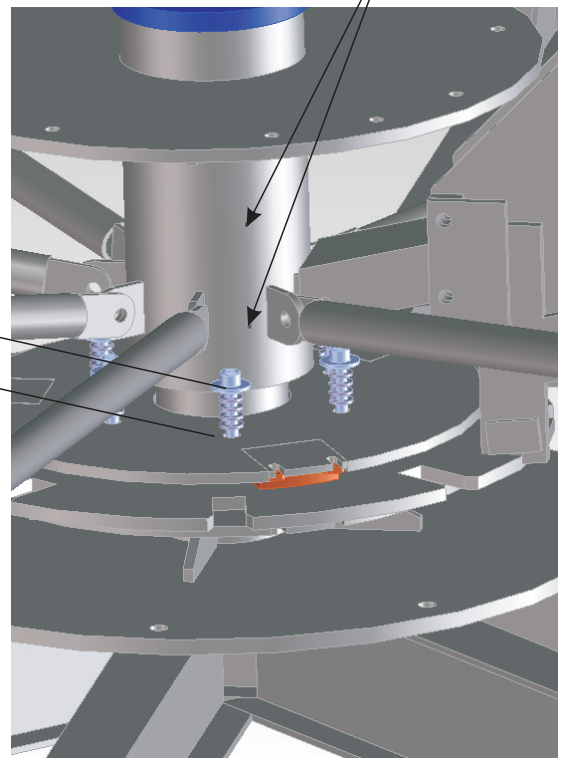
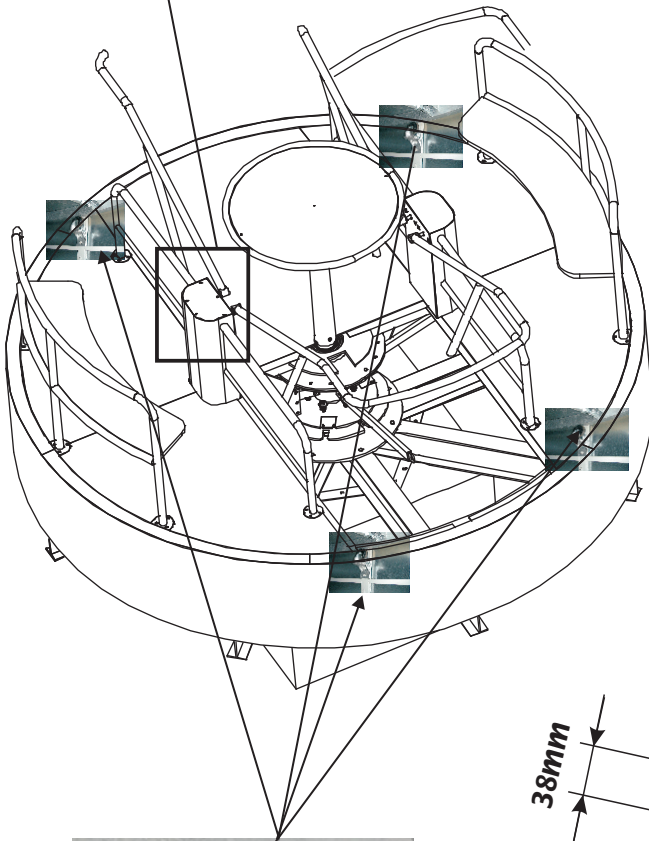
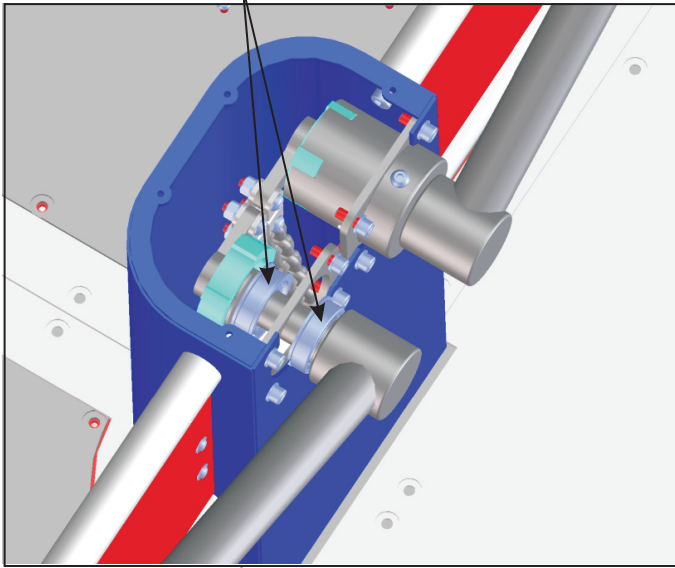
71014-0002
17 chain links

maintenance



EIB 5640030

71004-0038-VA



> 5 mm
< 15 mm

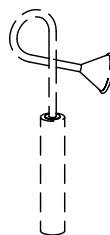
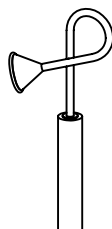


71201-0001

Proof of maintenance and repair work

EIB 5640030

[illegible]



1. Assign location of equipment considering the space requirement.
2. Excavate soil for foundations, according to drawing.
Please note: To achieve a maximum of stability and a safe installation a normal level of soil solubility is required.
3. Grout in foundations with compressed concrete C20/25 (=PG75), insert flange frame into concrete 0,40 m below playlevel according to drawing and align with spirit level.
1' 3-3/4"
4. The talking tube has to comply with the following requirements:
 - characteristics of plastic tube:
material = PE (PN 6)
outside diameter x wall thickness = 50 x 4,5 mm 2" x 1/8"
 - max. length: 50 m (including all sections) 164' 1/2"
 - run tube approx. 0,35 m below play level 1' 1-3/4"
 - run tube in straight line between the stations (preferably without turns)
 Please note: This type of tube is deliverable by K&K, yet not included in scope of delivery of item of present installation instruction.
5. Mount steel post onto flange frame after concrete foundations have set.
6. Connect talking tube to plastic tube only with pre-assembled BEULCO-fitting (acc. to drawing) to ensure a permanently safe sealing.
7. Cover with soil up to playlevel mark (=pin at steel post).
8. Check all screw connections according to maintenance instructions after 4-5 weeks and screw down again if necessary.

Please take care that all special tools (e.g. special Allen key for secured Allen screws etc.) and all specific documents which are or may be useful for safety management acc. to EN 1176-7 (e.g. invoice, delivery note, order acknowledgement, installation instructions, maintenance instructions) are forwarded to the responsible persons.

