

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.

The occupational health and safety regulations at the site of installation must be observed.

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.

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.

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.

eibe resistant playground timber (rpt) is treated with a protective oil based surface finish. Due to enclosed pigments and special ingredients the natural process of weathering is significantly delayed. This System is firmly anchored in the surface, so no extensive flaking will appear. Instead after years the gloss level will decrease, the colour will fade and a slight algae cover will appear. This is not a quality problem, the surface finish can be renewed with a refresh. Depending on the place of installation, after several years might appear: chalk powdery dust at the surface, fissures or damage by hail yet without discolouring of the wood. In this stage a refresh should be carried out, to prevent the wood from permanent damages. Sanding the surface in preparation for the refresh is not necessary. It is sufficient to apply the oil on the well-cleaned and dry surface. It is important that the refresh is carried out before the following damages appear: clearly visible fissures, discolouring of the wood, infection with wood destructive fungi or insects.

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.

Technical specifications subject!

Please adhere to the occupational health and safety regulation that apply to the installation site

Disposal:

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

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.



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.

Have fun with your play equipment!

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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.

Visual Routine Inspection:

- Check your eibe product for visible damages and loose parts

CHECKED ☐

- Does the ground show hard or pointed objects (e.g. splinters of glass) and/or are the play, fall, swing or slide areas dirty?

CHECKED ☐

- Are there any exposed foundations?

CHECKED ☐

- Do you identify sharp edges, broken or missing parts?

CHECKED ☐

- Are components overly worn and torn? Please pay particular attention to moving parts such as chains, swing joints.

CHECKED ☐

- 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. Please observe the markings on the poles and column bases.

CHECKED ☐

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.

The following pages of this documentation may comprise other information that must be considered during the operational inspections, for example in the step-by-step installation instructions and the sheets on details.

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

Operational Inspection:

Inspections once every

3 months

In addition to those of the "Visual Routine Inspection", the following checks are required:

- Are all wooden components okay? (e.g. fast and safe connection of the ladder rungs, no splinters or other damages)

CHECKED ☐

- 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)

The wall thickness/corrosion on the inside of pipes can be verified with the following test procedure:

Electromagnetic test procedures such as eddy current or magnetic leakage flux measurement

ultrasound

CHECKED ☐

- Are all screwed connections and bolted joints well fit? If not, please tighten them. Moving parts may require greasing or oiling.

CHECKED ☐

- Are all plastic and rubber components okay?

CHECKED ☐

The following pages of this documentation may comprise other information that must be considered during the operational inspections, for example in the step-by-step installation instructions and the sheets on details.

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?

CHECKED ☐

- If necessary, provide all wooden, metal, glazed and varnished parts and components with a new finish.

CHECKED ☐

- Replace joints that show severe corrosions or heavy wear and tear.

CHECKED ☐

- 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.

CHECKED ☐

The following pages of this documentation may comprise other information that must be considered during the operational inspections, for example in the step-by-step installation instructions and the sheets on details.

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!

5 25 029 XX 1 ZZ / 5 25 030 XX 1 ZZ / 5 25 031 XX 1 ZZ / 5 25 032 XX 1 ZZ

Equipment data:

Surfacing inside the impact area:

sand, gravel, bark mulch, wood chips, impact-attenuating tiles

Filling height for bulk material such as sand, gravel, wood chips and similar:

40 cm

Maximum free fall height:



1,37 m



2,00 m

Minimum equipment space:

8,00 x 4,28 x 3,17 m

Required mounting space:

8,00 x 5,50 x 3,17 m

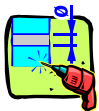
For age groups of:

3 - 14 years

This equipment corresponds to

EN 1176 part 1 / 2 / 7

Symbol explanation:



Drill ($\varnothing$ = bore diameter)



Cast foundation in situ using concrete type C20/25.



tighten all screws



see foundation plan



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



Dimensions in "m"



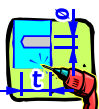
adjust



draw



close drilled holes with stoppers



Drill (t = drilling depth; $\varnothing$ = bore diameter)

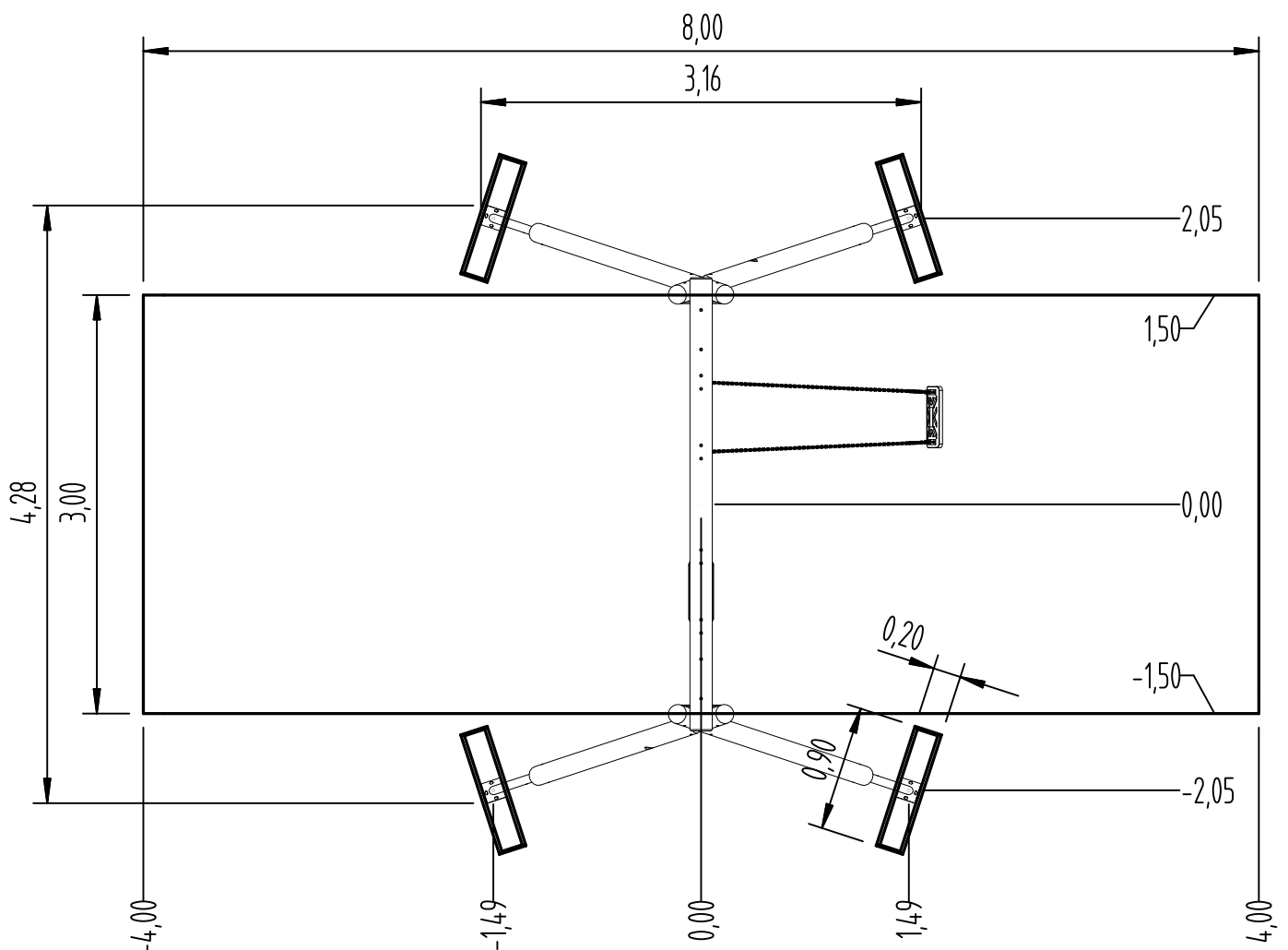
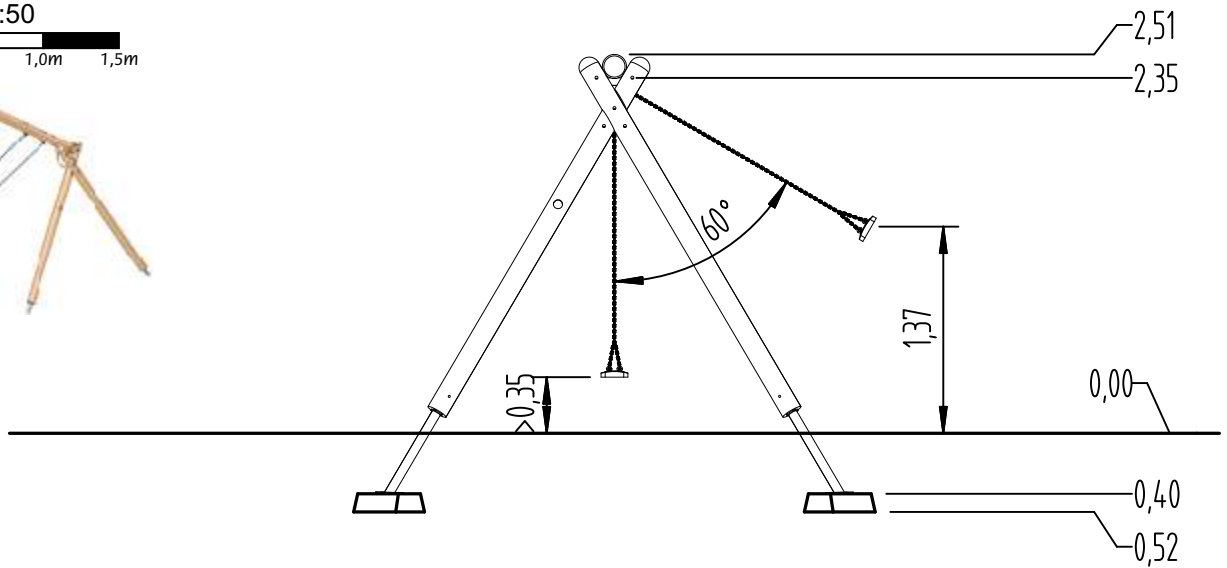


This symbol indicates that dangerous traps and opening dimensions may result from a non-expert assembly. Please give these assembly instructions your utmost care especially in case of the specified positions.

Foundation plan showing eibe prefabricated foundations

Impact-attenuating surface according to EN 1176: for outdoor playground equipment only!

1:50
0,0m 0,5m 1,0m 1,5m



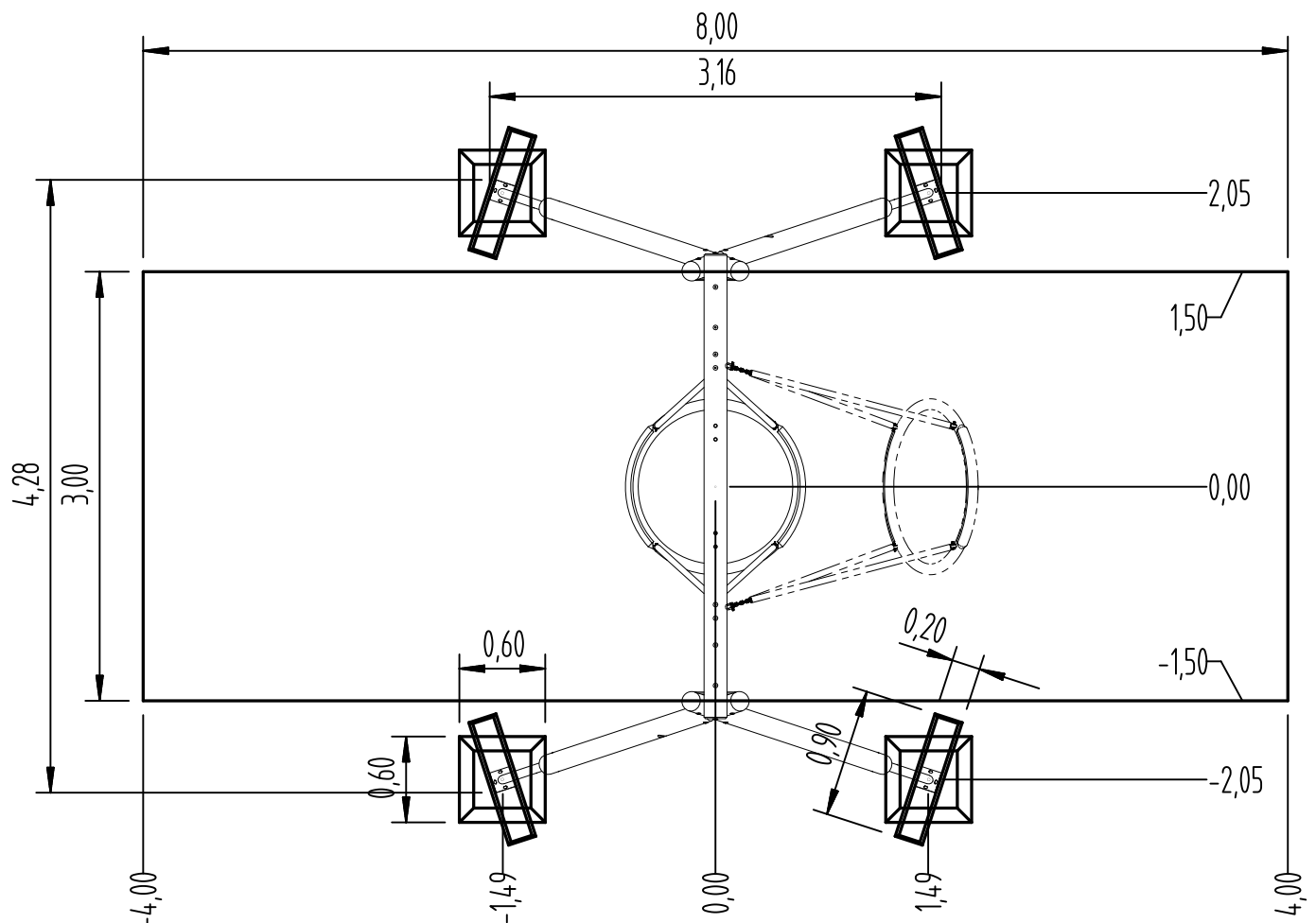
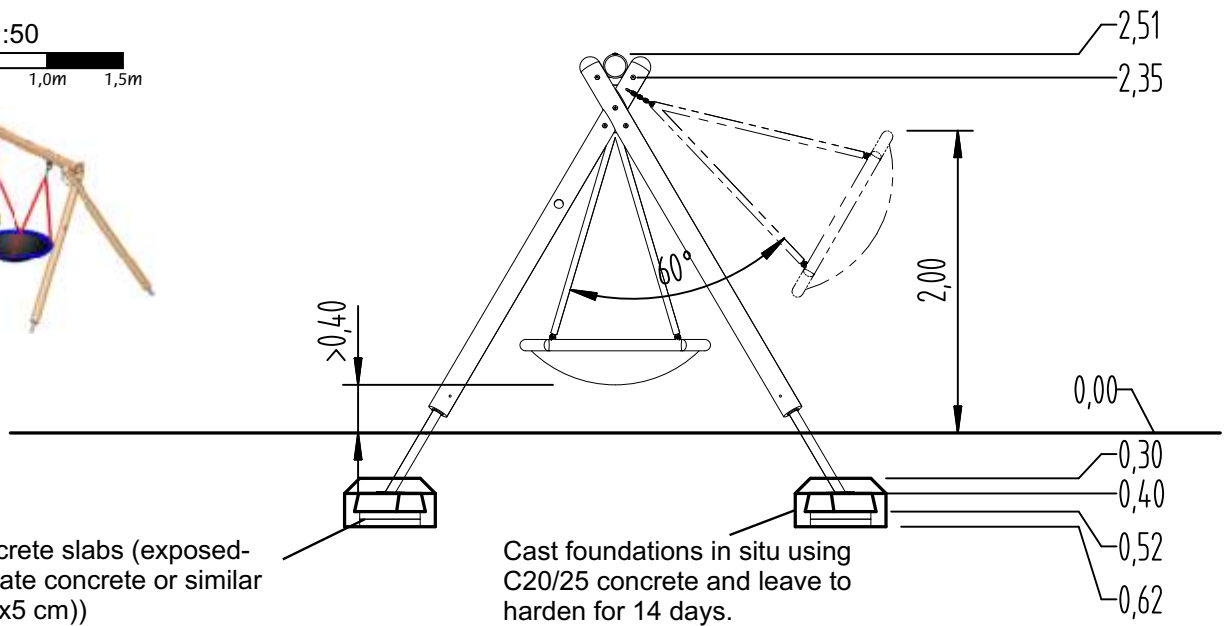
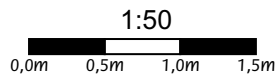
Please allow for a distance to other objects of at least 1.5 m all around the equipment (EN 1176). This area must be absolutely free of hard or sharp-edged or protruding parts a child could fall onto.

— = impact area



Foundation plan showing eibe prefabricated foundations

Impact-attenuating surface according to EN 1176: for outdoor playground equipment only!



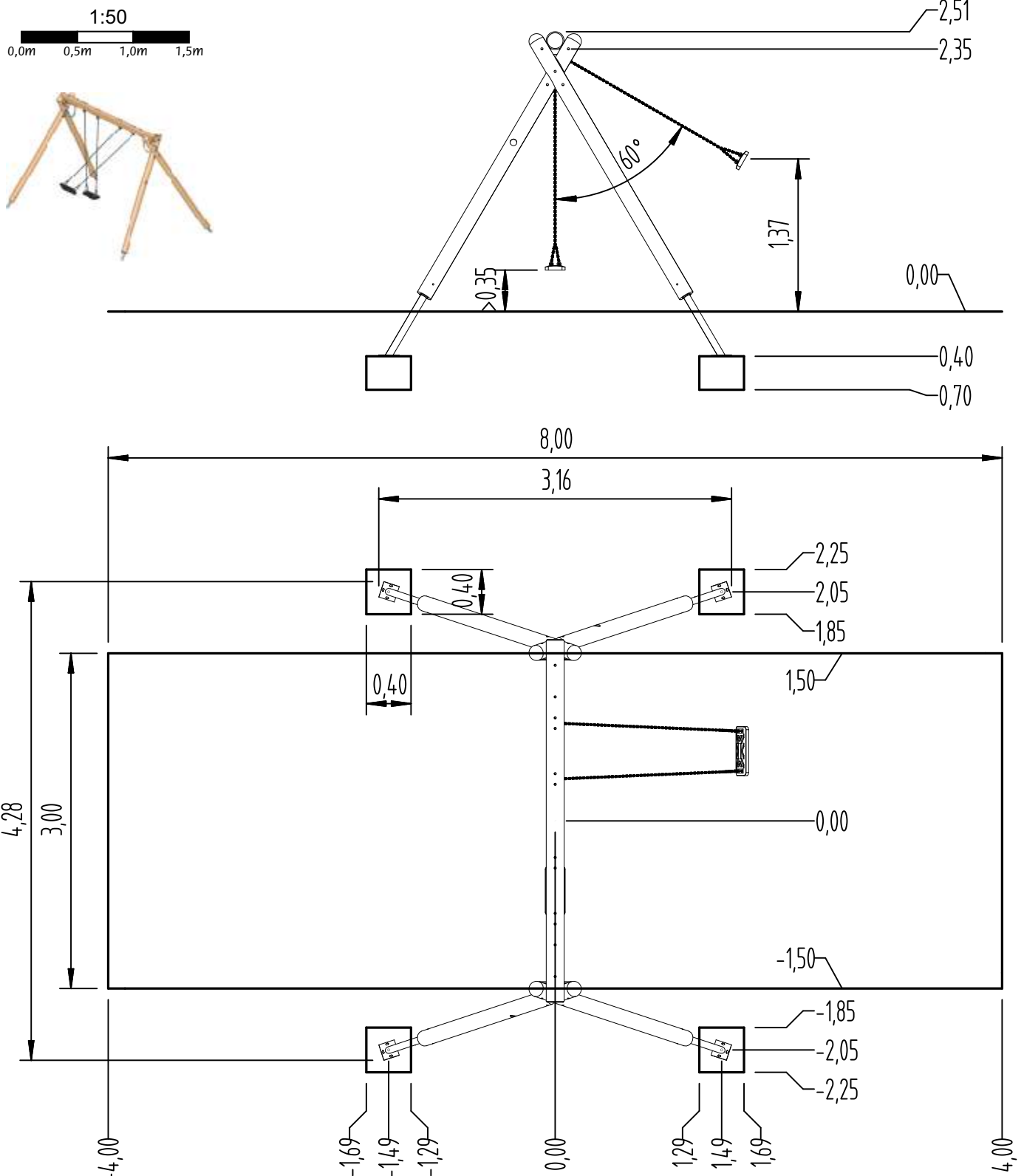
Please allow for a distance to other objects of at least 1.5 m all around the equipment (EN 1176). This area must be absolutely free of hard or sharp-edged or protruding parts a child could fall onto.

— = impact area



Foundation plan showing in-situ concrete footings made from C20/25 concrete.
(Leave foundations to harden for at least 14 days before mounting the equipment.)

Impact-attenuating surface according to EN 1176: for outdoor playground equipment only!



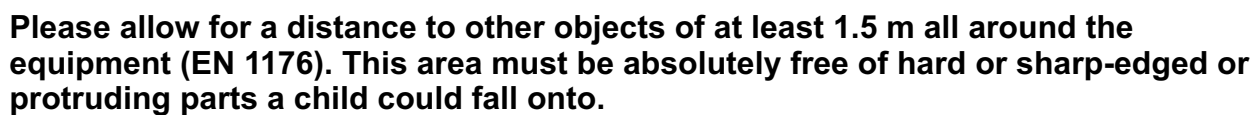
Please allow for a distance to other objects of at least 1.5 m all around the equipment (EN 1176). This area must be absolutely free of hard or sharp-edged or protruding parts a child could fall onto.

— = impact area



Impact-attenuating surface according to EN 1176: for outdoor playground equipment only!

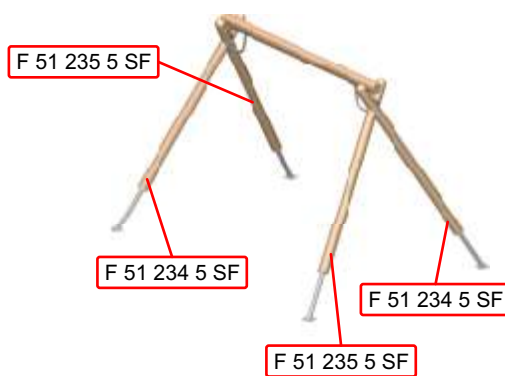
Diagrama de um elemento finito de um elemento de barra com comprimento total de 1,5m. O elemento é dividido em dois segmentos de 0,5m cada, com um nó central em 1,0m. As extremidades estão em 0,0m e 1,5m.



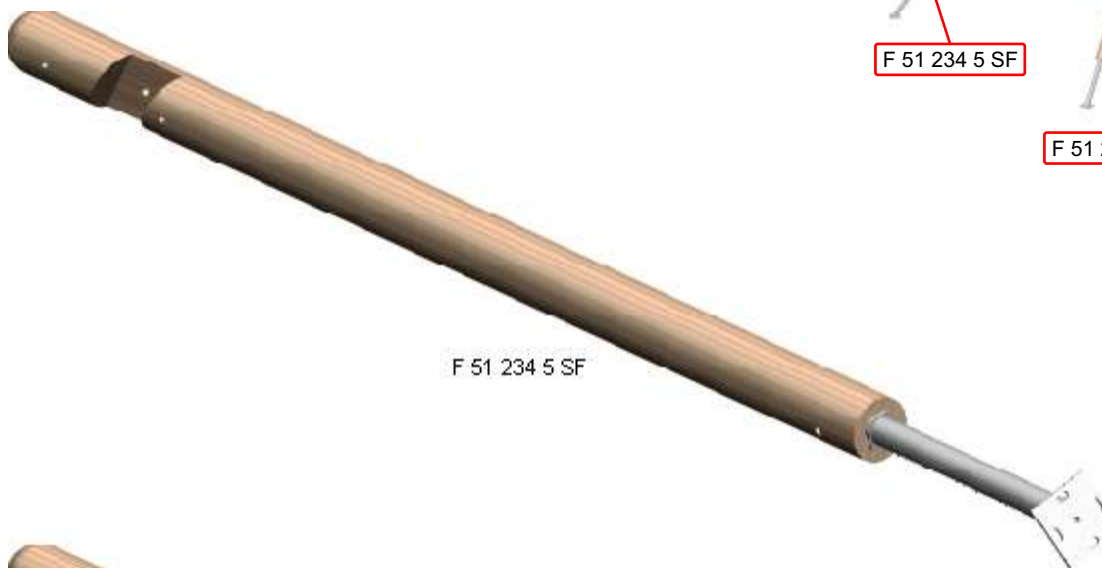
Scope of delivery



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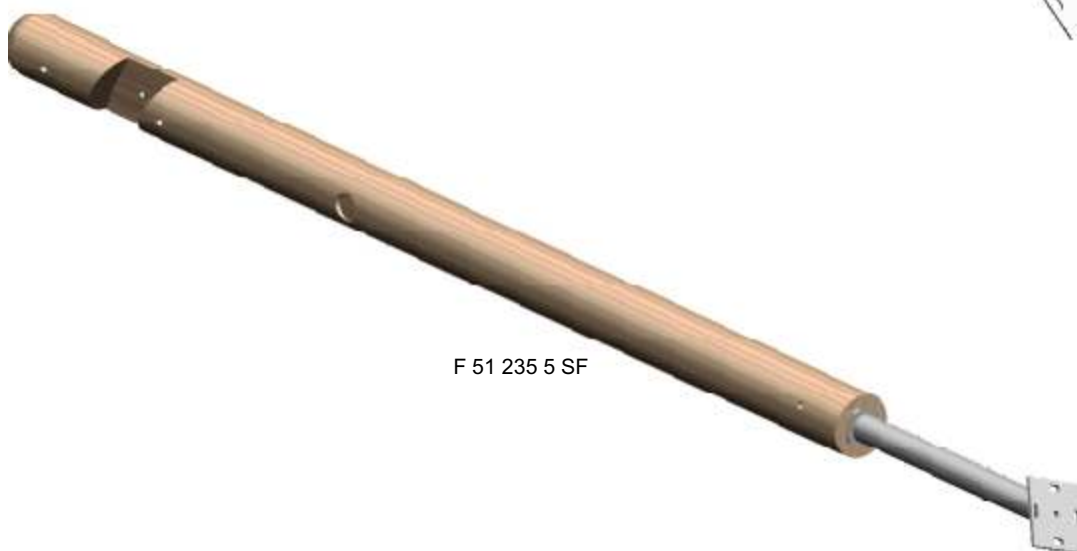


2x



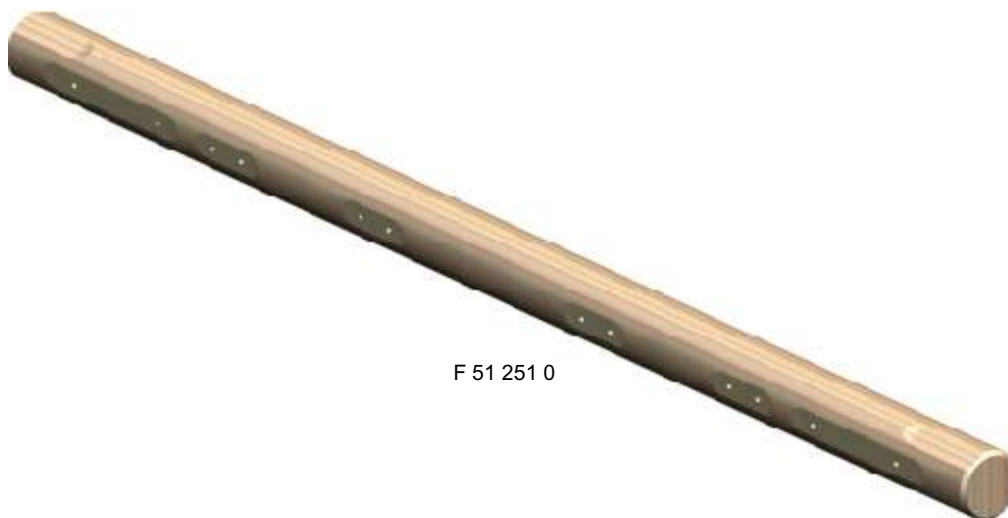
F 51 234 5 SF

2x



F 51 235 5 SF

1x



F 51 251 0



Part subject to wear

package circular



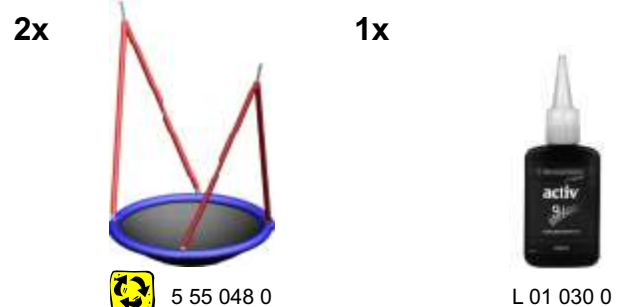
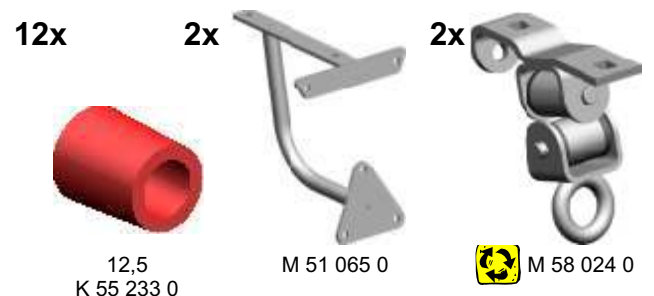
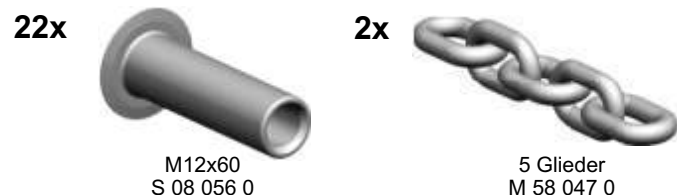
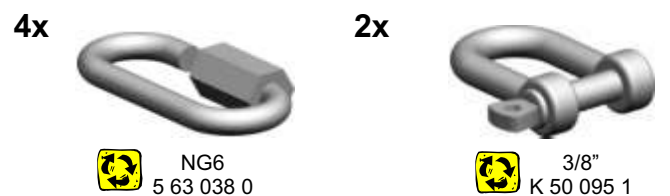
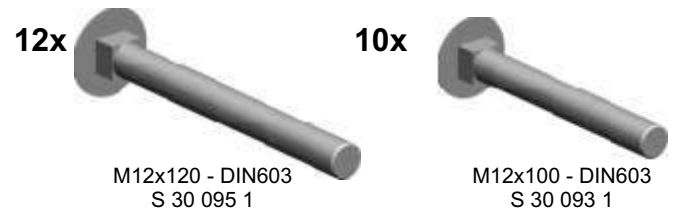
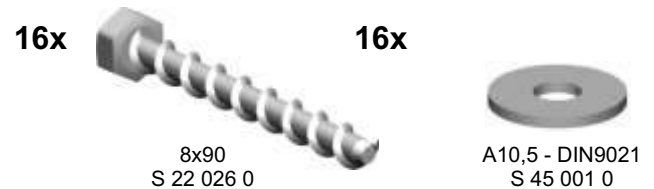
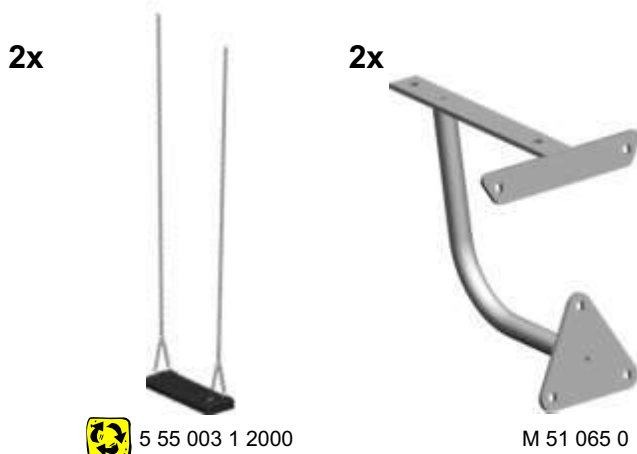
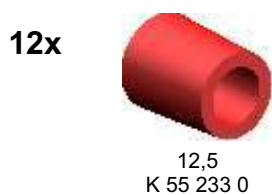
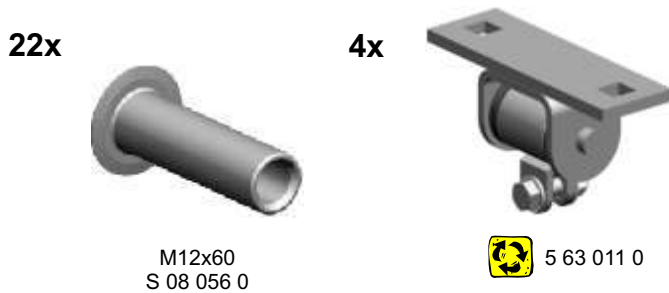
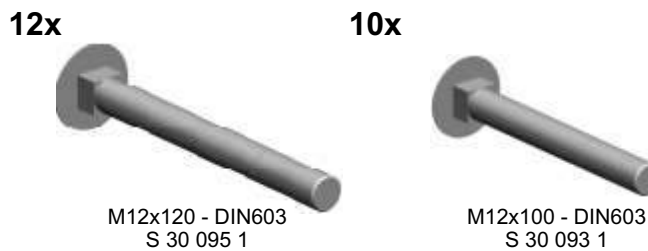
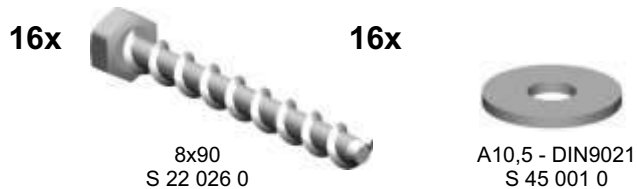
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5 25 029 XX 1 ZZ



5 25 030 XX 1 ZZ



Part subject to wear (not part of our warranty)

package circular



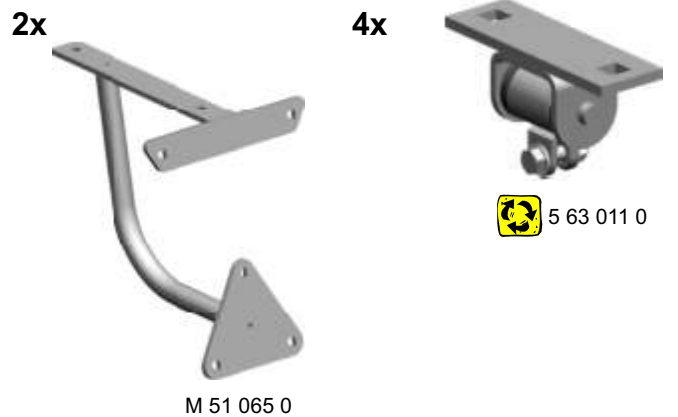
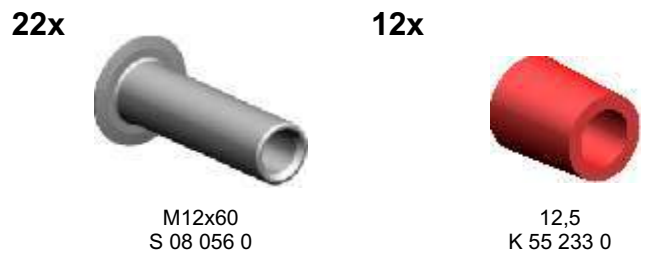
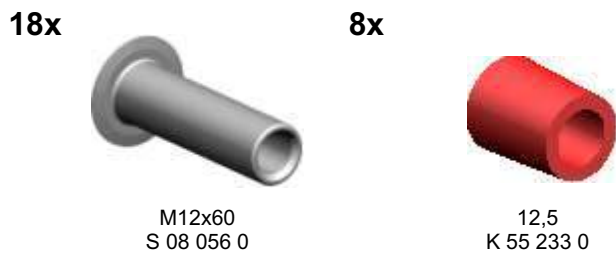
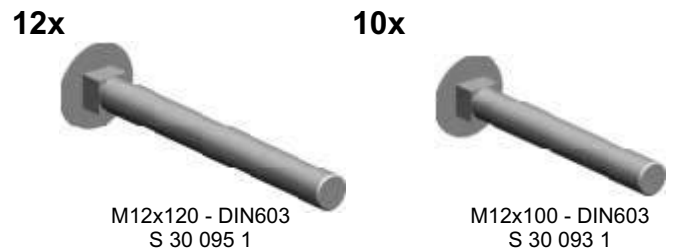
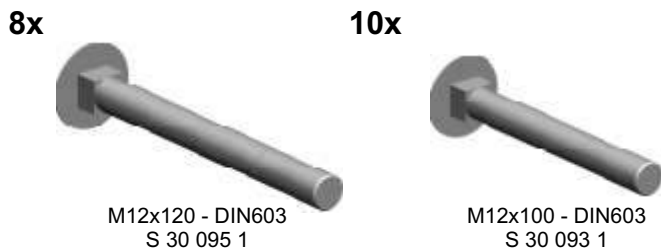
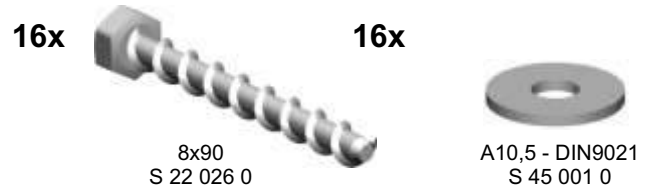
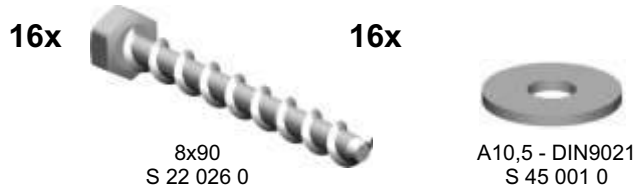
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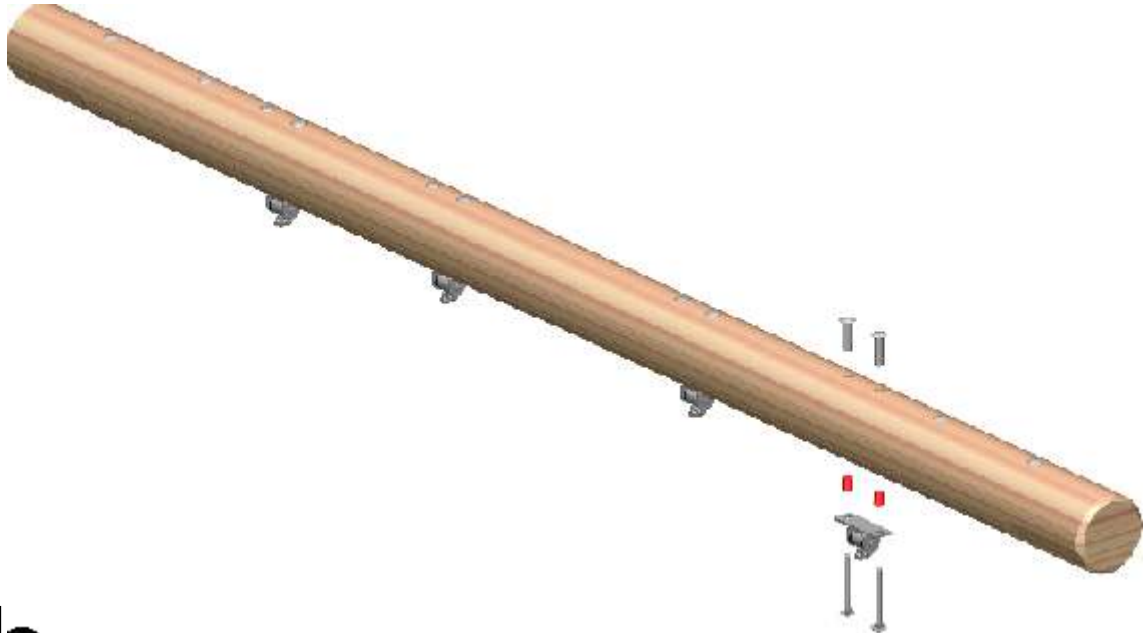
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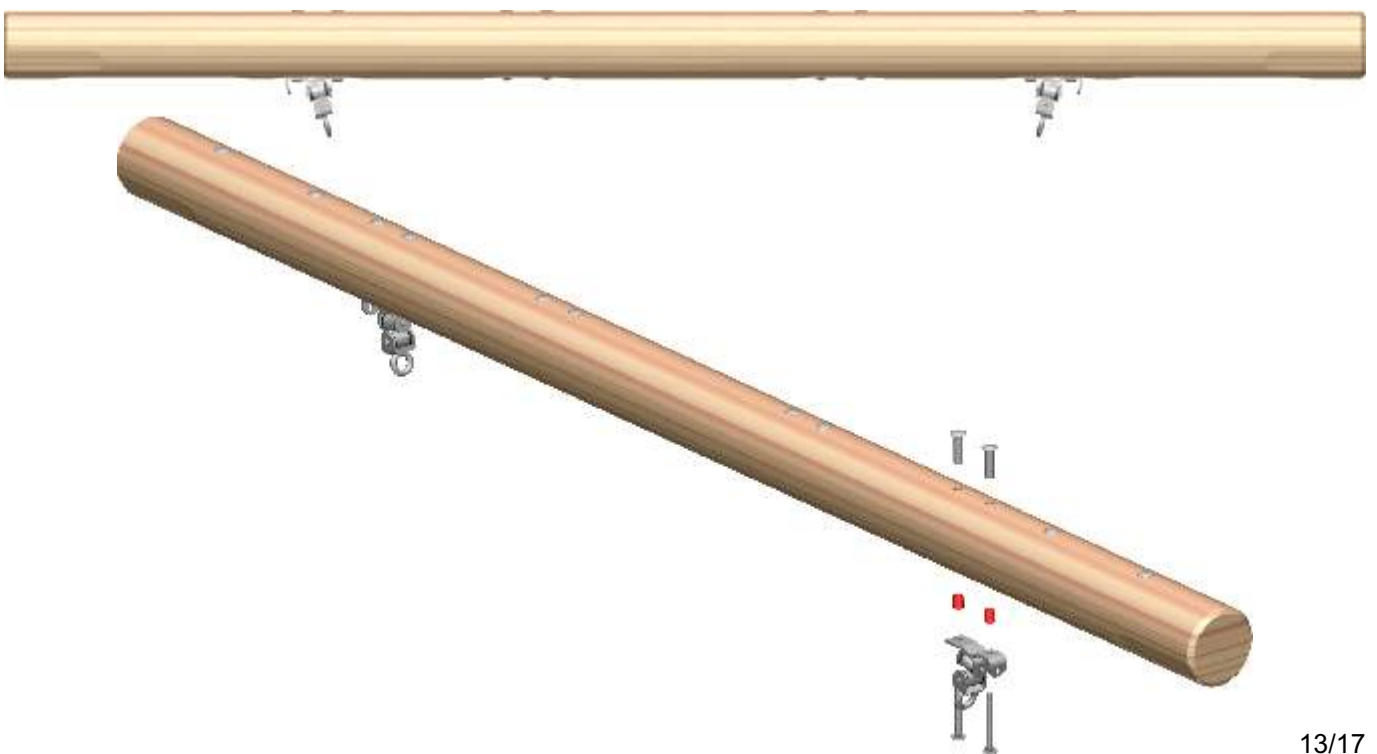
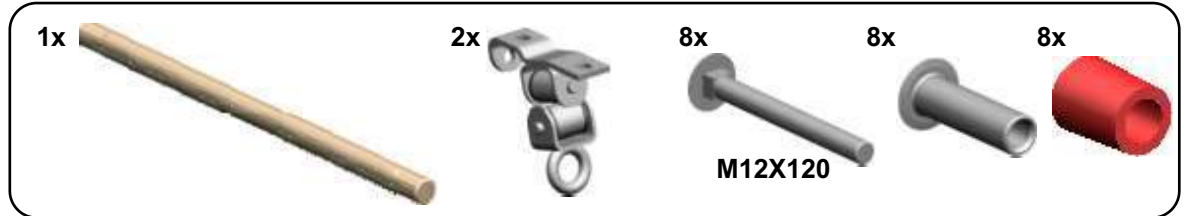
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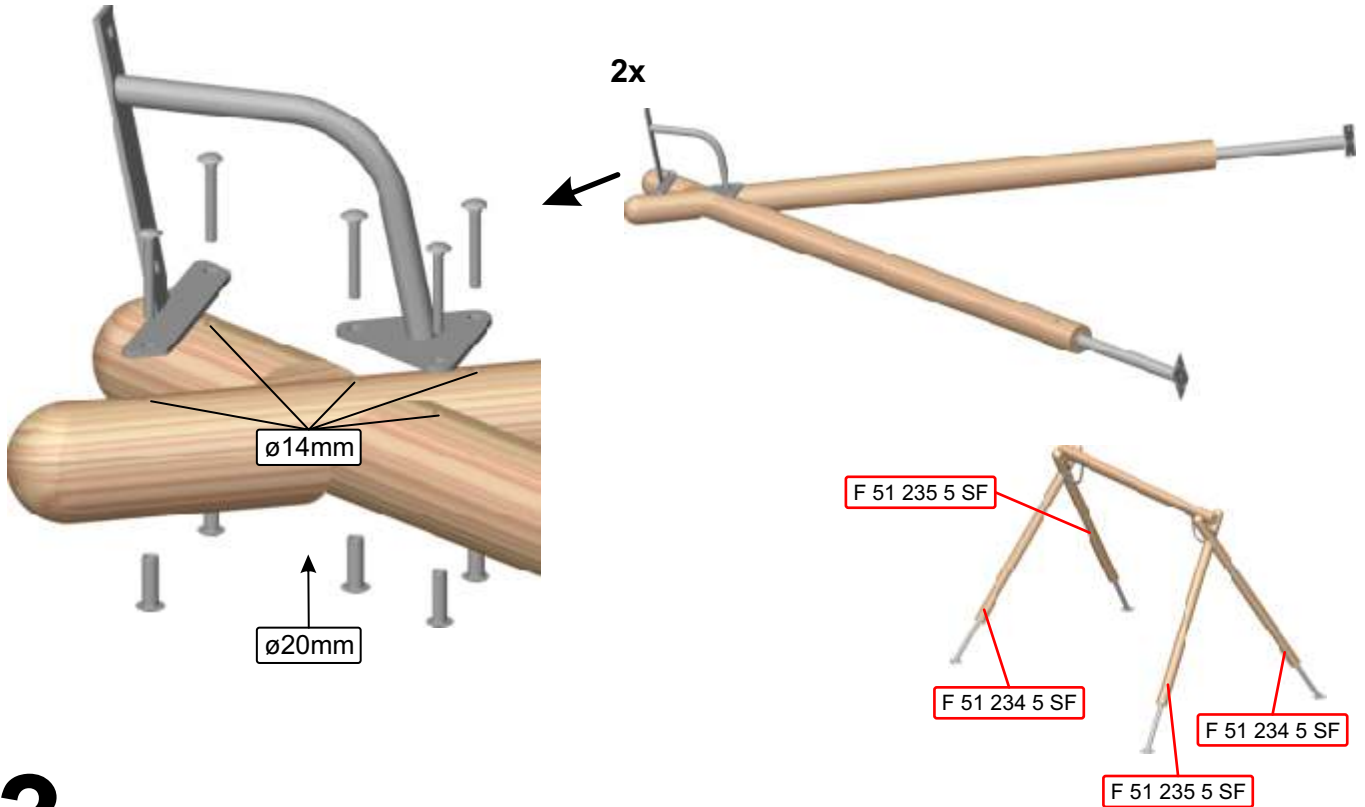
1a.



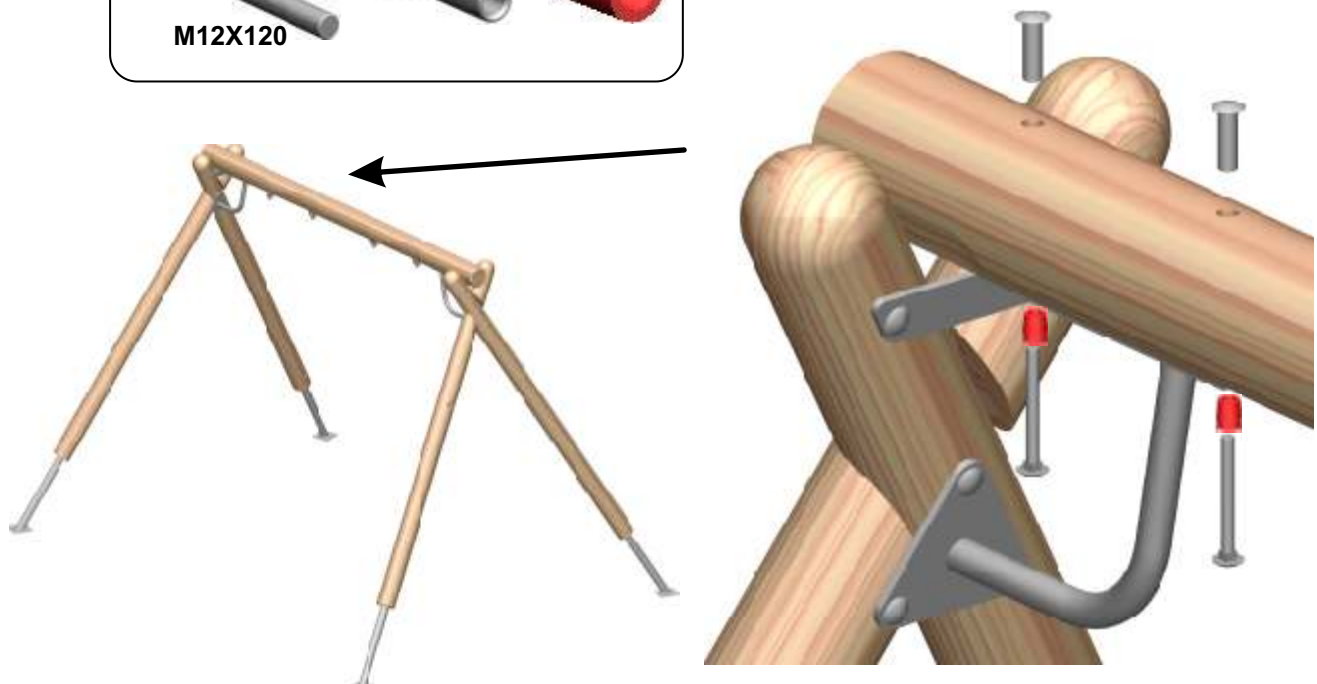
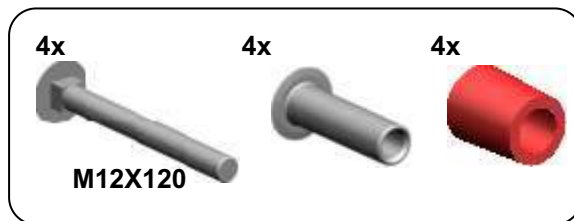
1b.



2.



3.



4a.

4x 5 63 070 0



5 25 029 XX 1 ZZ / 5 25 030 XX 1 ZZ / 5 25 031 XX 1 ZZ / 5 25 032 XX 1 ZZ

1x



5 63 070 0

2x



A10,5 - DIN9021
S 45 001 0

2x



M10x30
S 22 001 0

2x

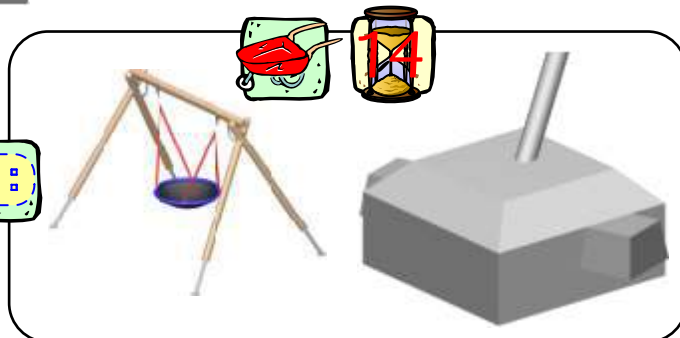
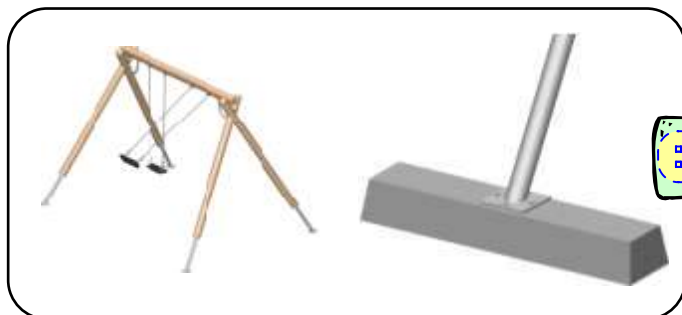
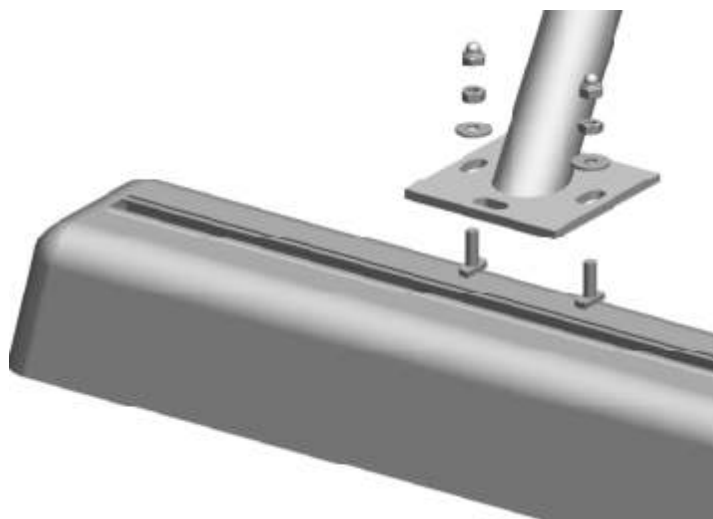


M10 - DIN986
S 37 004 0

2x



M10 - DIN555
S 34 003 0



4b.

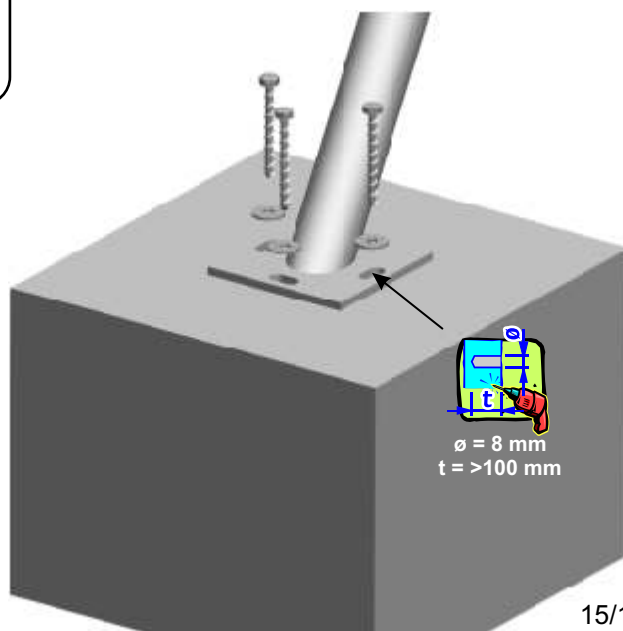
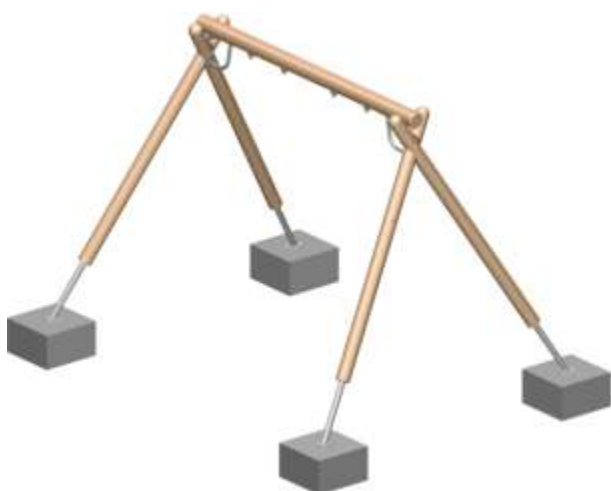
12-16x



12-16x



A10,5

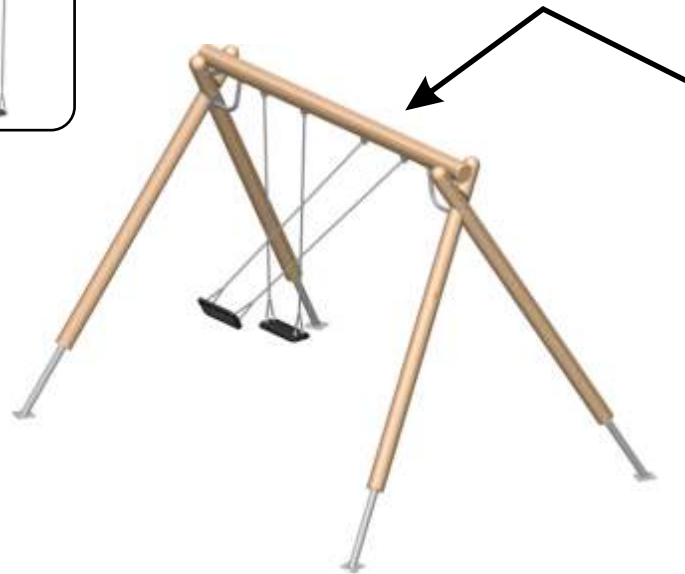
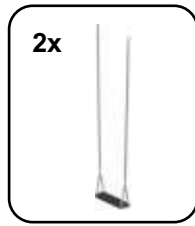


$\phi = 8 \text{ mm}$
 $t = > 100 \text{ mm}$

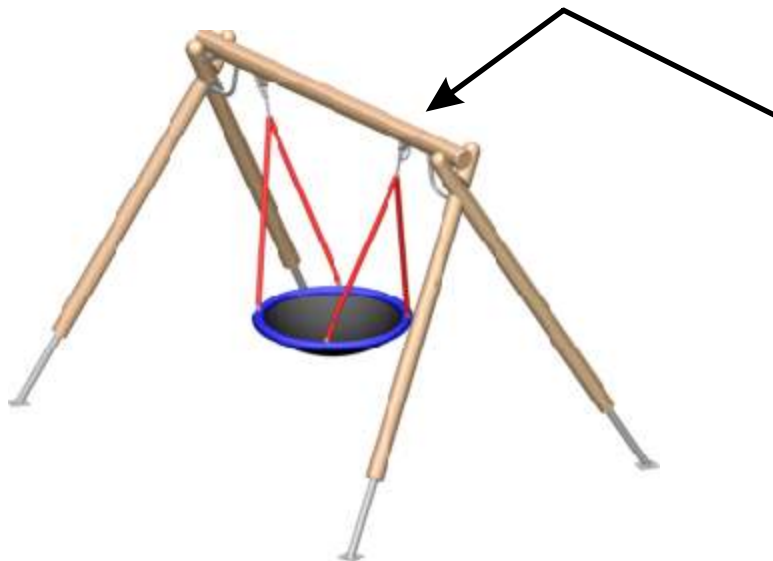
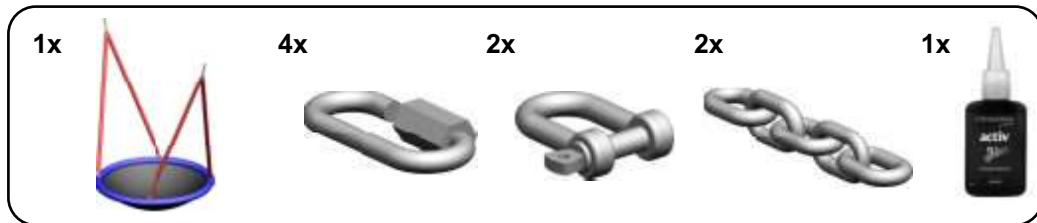
5a.



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5b.



6. Align
7. Tighten all screw connections.
8. Wait 14 days.
9. Tighten all screw connections.

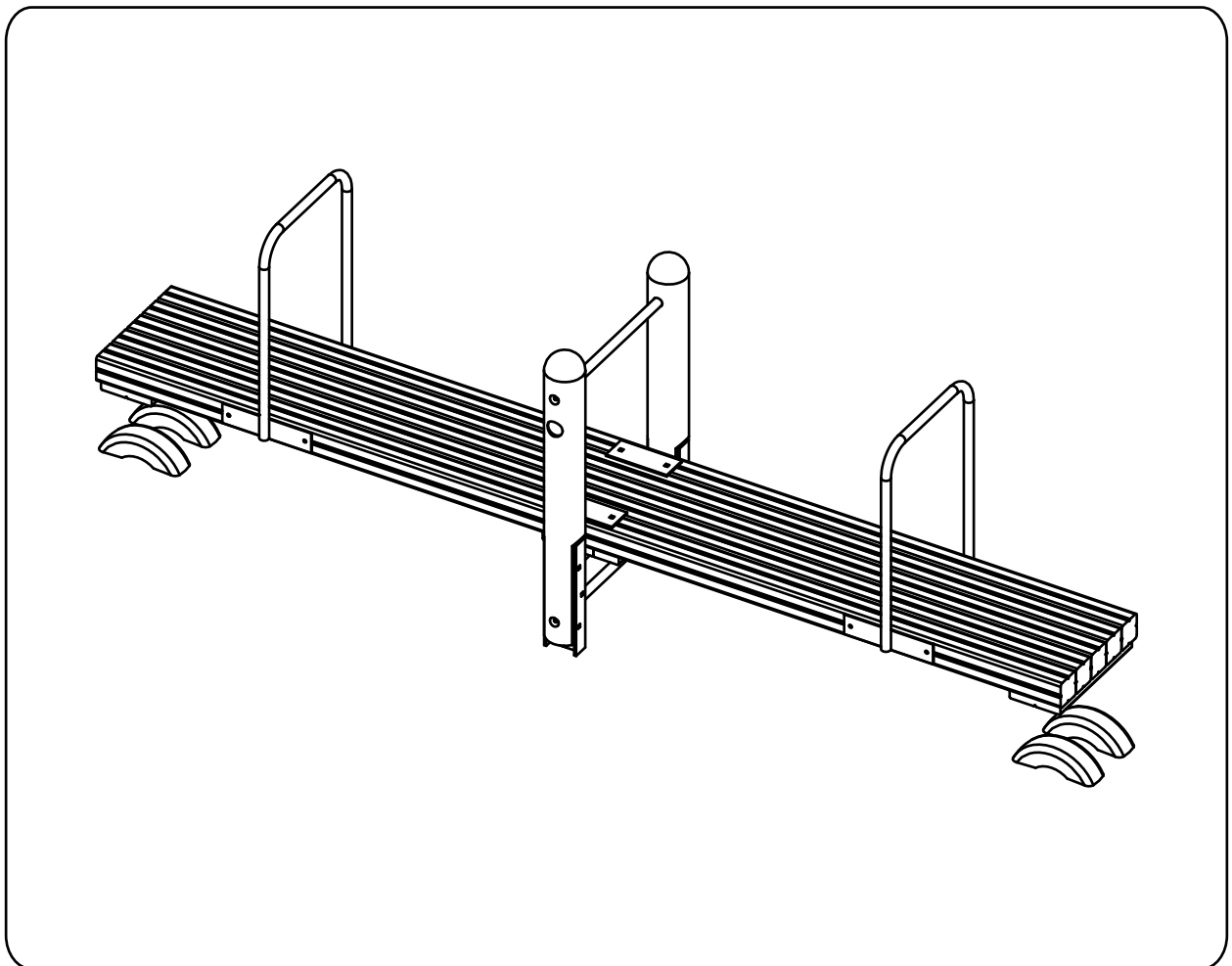
Article pass / Guarantee certificate

Scope of delivery • Ground work • Assembly • Maintenance



5 55 194 5

Stand-up seesaw



Attention: Guarantee
Keep these documents in a safe place.

Please indicate the workshop order number (RM-Nummer) in all inquiries and complaints.

RM-Nummer:

No: UK-0707-V-05-th

Certificate of Warranty

Item number:

5 55 194 5

Name:

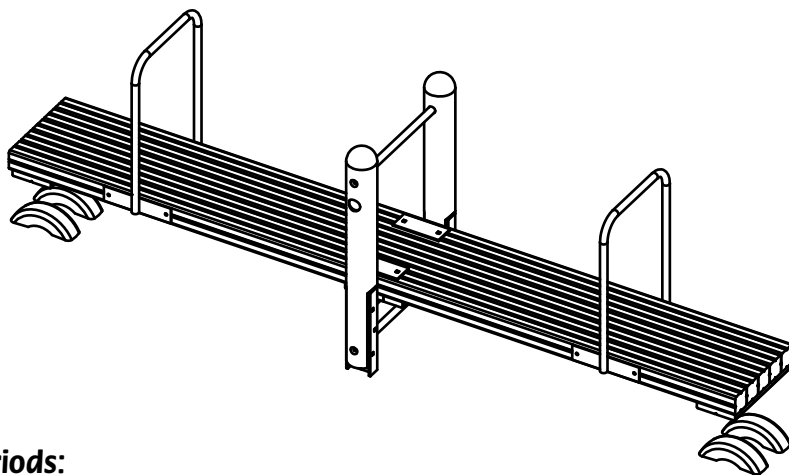
Stand-up seesaw

Completion note number:

(please enter Completion note number)

Warranty acceptance from date of invoice:

(please enter date of invoice)



eibe grants the following warranty periods:

- 10 years on all pressure-impregnated timber for all cases of decay and fungo attacks
- This product carries the **eibe** quality seal . This product is subject to a volunteer producer warranty of 5 years.
- Wear parts are excluded from this warranty. On wear parts we grant a 2-year warranty. All wear parts included in the consignment are marked with the wear-part symbol .
- Powder coatings are excluded from the warranty and subject to what guaranteed in the valid **eibe** terms of delivery and payment.

In case of rightful warranty claims, eibe shall have the right to rework or replace the goods in question.

Prerequisites for valid warranty claims:

- Regular and professional maintenance and inspections as prescribed in the **eibe** maintenance instructions.
- Professional repair jobs using original spare parts only.
- Evidence of proper maintenance and inspections has to be provided by the customer.

Warranty exclusion:

- normal wear due to everyday use
- vandalism
- deliberate destruction
- unprofessional assemblies (not according to the **eibe** Assembly Instructions or EN-1176/77)

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.

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!

With a 6-mm drill, pre-drill holes about 50 mm deep in all wooden components for screws with dimensions 10x120 (S011770) (and screws with dimensions 10x100 (S011750)) in order to prevent the wood from ripping.

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.

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.

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.

Subject to Technical Changes!

Disposal:

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

Labeling:

all **eibe** products are marked with a label or sticker. Label or sticker inform on delivery date

product article number), and the valid standard (3). Please indicate both delivery date and feedback number in all complaints and repeat orders.



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.

Have fun with your play equipment!

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Fax +49-(0)93 38/89-199

E-Mail eibe@eibe.de

www.eibe.net

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.

Visual Routine Inspection:

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.

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 instable posts have to be repaired by an expert, or be replaced

CHECKED ☐

- Check your **eibe** product for visible damages and loose parts

CHECKED ☐

- Does the ground show hard or pointed objects (e.g. splinters of glass) and/or are the play, fall, swing or slide areas dirty?

CHECKED ☐

- Are there any exposed foundations?

CHECKED ☐

- Do you identify sharp edges, broken or missing parts?

CHECKED ☐

- Are components overly worn and torn? Please pay particular attention to moving parts such as chains, swing joints.

CHECKED ☐

- 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. Please observe the markings on the poles and column bases.

CHECKED ☐

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

Operational Inspection:

Inspections once every

6 months

In addition to those of the "Visual Routine Inspection", the following checks are required:

- Are all wooden components okay? (e.g. fast

and safe connection of the ladder rungs, no splinters or other damages)

CHECKED ☐

- 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) The wall thickness/corrosion on the inner side of pipes can be verified by way of the following test procedures:

1. electromagnetic test procedures such as eddy current measuring or magnetic leakage flux test
2. ultrasonic flow measuring

CHECKED ☐

- Are all screwed connections and bolted joints well fit? If not, please tighten them. Moving parts may require greasing or oiling.

CHECKED ☐

- Are all plastic and rubber components okay?

CHECKED ☐

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?

CHECKED ☐

- If necessary, provide all wooden, metal, glazed and varnished parts and components with a new finish.

CHECKED ☐

- Replace joints that show severe corrosions or heavy wear and tear.

CHECKED ☐

- 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.

CHECKED ☐

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!



Equipment data:

Surfacing inside the impact area:

sand, gravel, bark mulch, wood chips, impact-attenuating tiles, oderturf, top soil

Filling height for bulk material such as sand, gravel, wood chips and similar:

40 cm

Maximum free fall height:

0,75 m

Minimum equipment space:

5,80 x 2,50 x 2,55 m

Required mounting space:

5,80 x 2,50 x 2,55 m

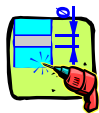
For age groups of:

3 - 14 years

This equipment corresponds to

EN 1176 part 1 / 6 / 7

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 "m"



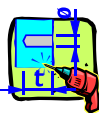
adjust



draw



close drilled holes with stoppers



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

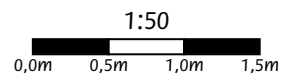
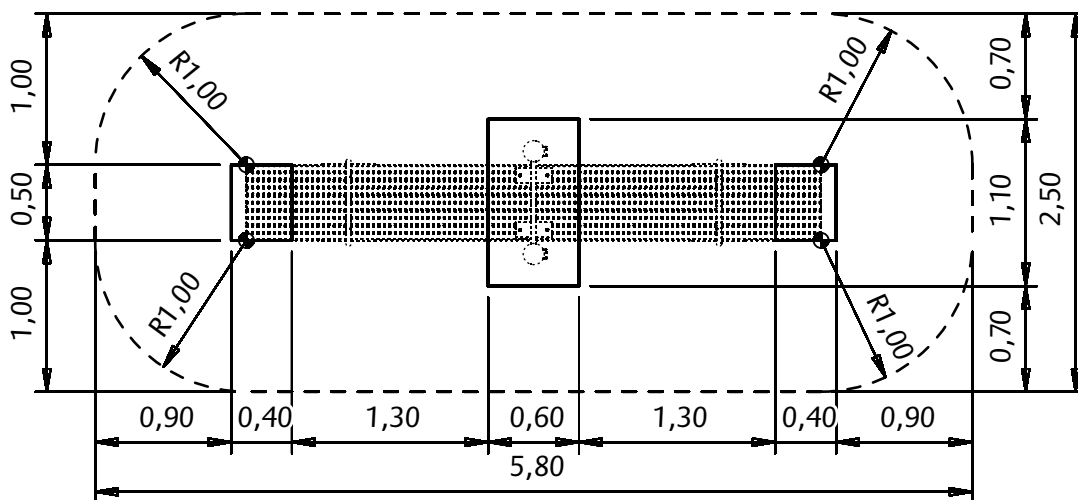
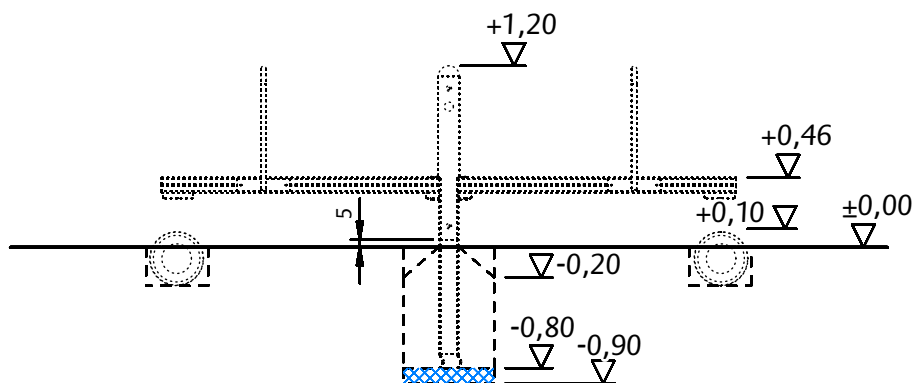


This symbol indicates that dangerous traps and opening dimensions may result from a non-expert assembly. Please give these assembly instructions your utmost care especially in case of the specified positions.

Foundation plan showing in-situ concrete footings made from C20/25 concrete.

Impact-attenuating surface according to EN 1176: for outdoor playground equipment only!

Please allow for a distance to other objects of at least 1.5 m all around the equipment (EN 1176). This area must be absolutely free of hard or sharp-edged or protruding parts a child could fall onto.



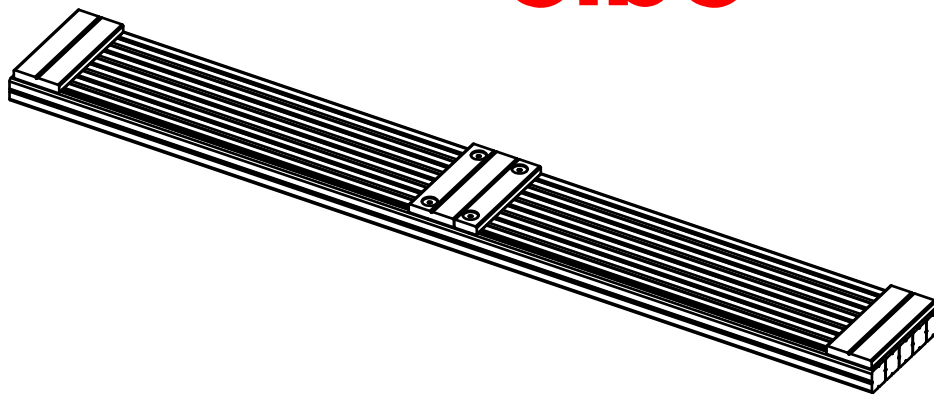
— — — = impact area

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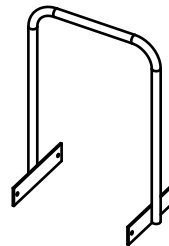
Scope of delivery



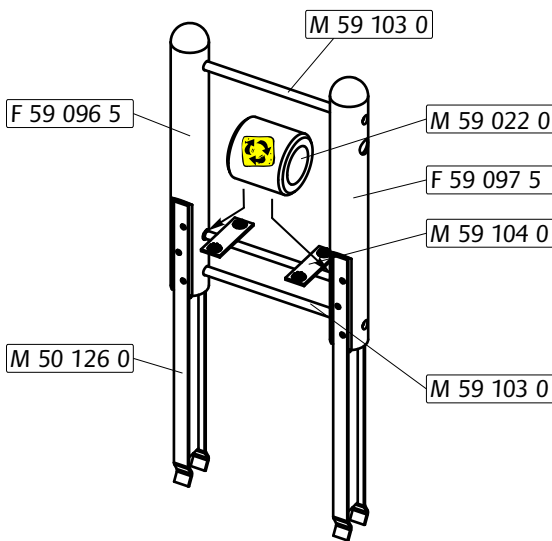
5 55 194 5



1x F 59 011 0



2x M 59 105 0

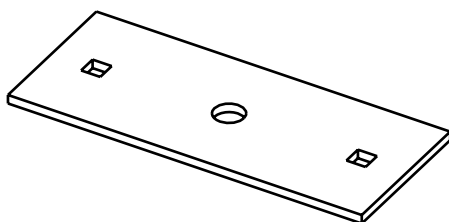


1x F 59 097 5 Wippbock

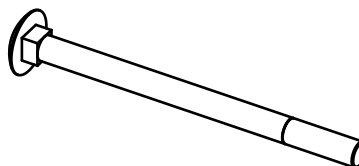


4x K 55 121 0

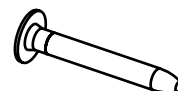
package circular



2x M 50 095 0



4x S 30 100 1
M12x170
DIN603



8x S 01 174 0
10x80



4x B 20 020 0
SRL38



1x W 01 175 0
TX50



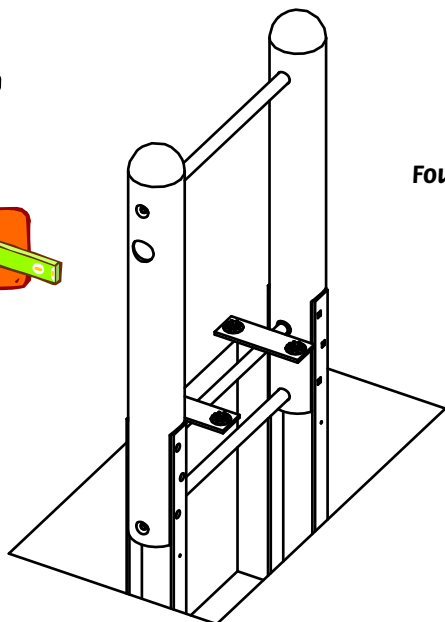
4x S 46 004 0
A13
DIN134



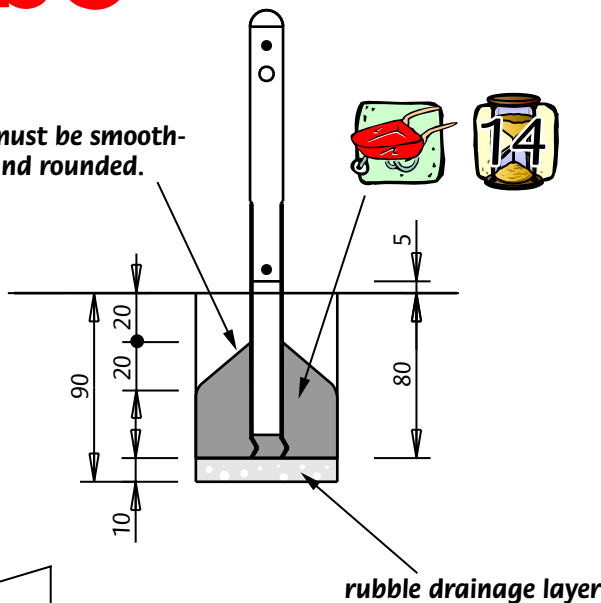
4x S 36 004 0
M12
DIN985



Part subject to wear (not part of our warranty)

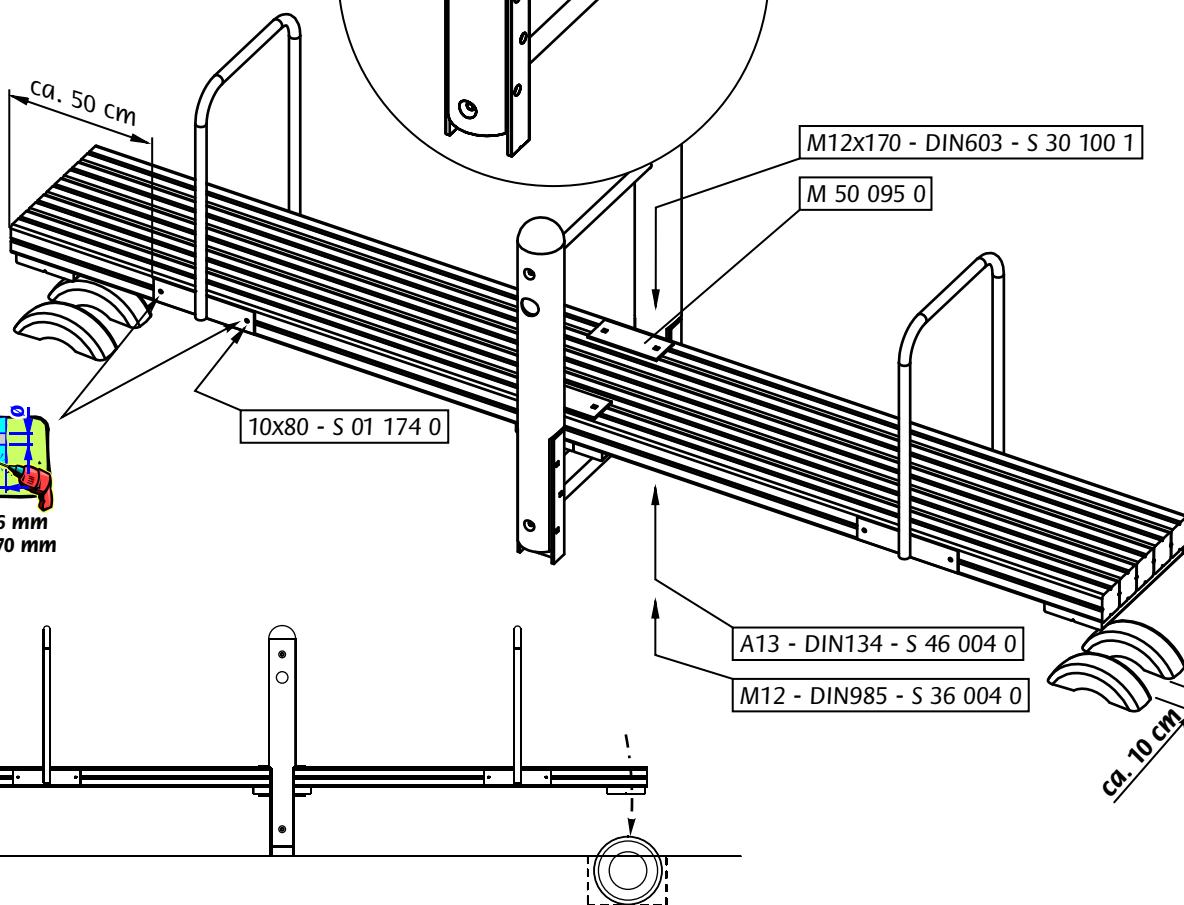
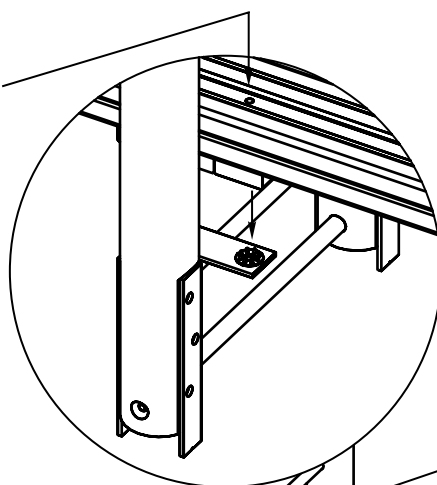


Foundations must be smooth-surfaced and rounded.



rubble drainage layer

2.



$\varnothing = 6 \text{ mm}$
 $t = > 70 \text{ mm}$

M12x170 - DIN603 - S 30 100 1

M 50 095 0

10x80 - S 01 174 0

A13 - DIN134 - S 46 004 0

M12 - DIN985 - S 36 004 0

ca. 10 cm

3. ***Align***
4. ***Tighten all screw connections.***
5. ***Wait 14 days.***
6. ***Tighten all screw connections.***

7.



Proof of maintenance and repair work

5 55 194 5

[illegible]

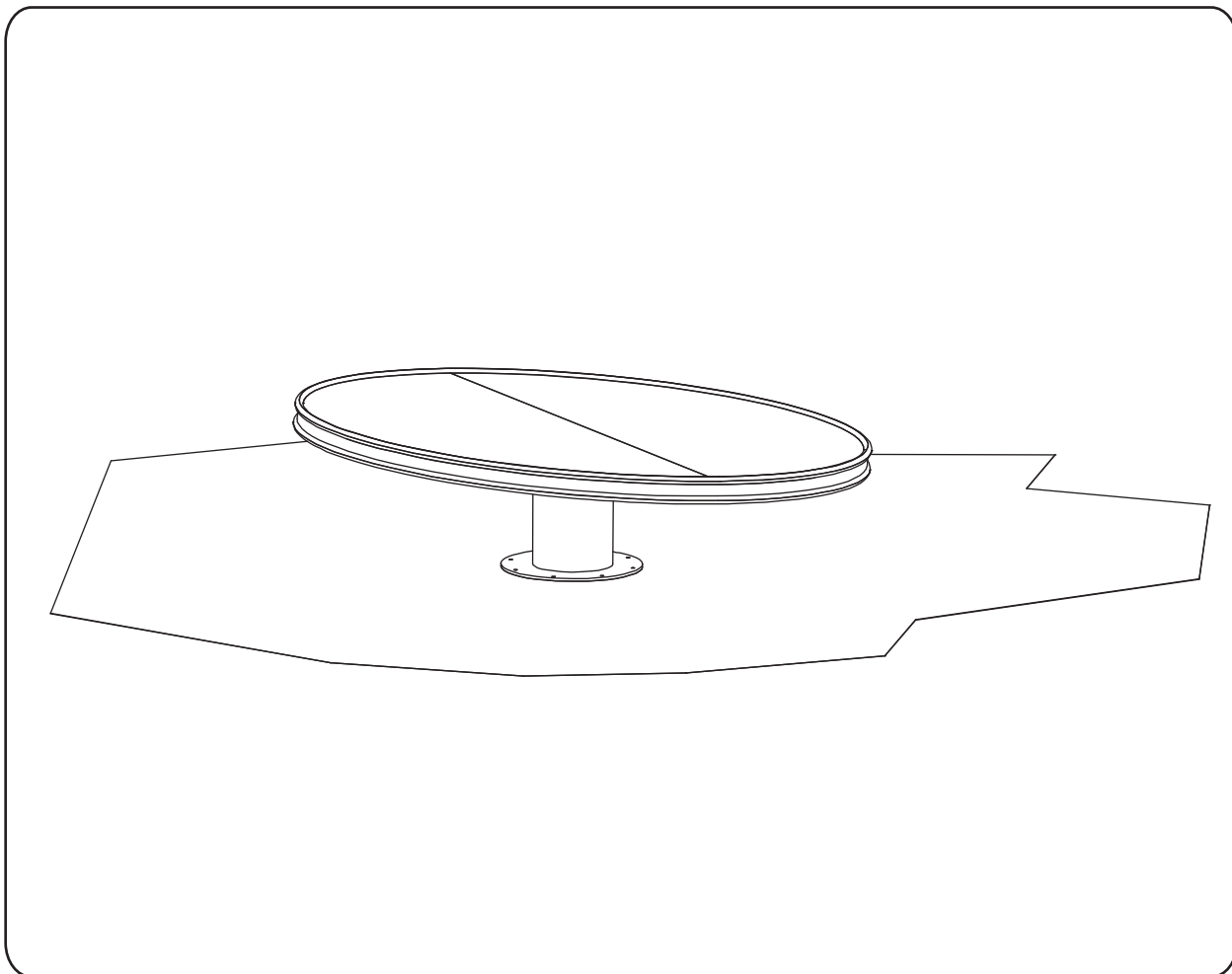


Article pass / Guarantee certificate

Scope of delivery ☐ Ground work ☐ Assembly ☐ Maintenance



5 56 072 0



Attention: Guarantee
Keep these documents in a safe place.

Please indicate the workshop order number (RM-Nummer) in all inquiries and complaints.

RM-Nummer:

No: GB- Buck



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www.concept-espace.lu



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.

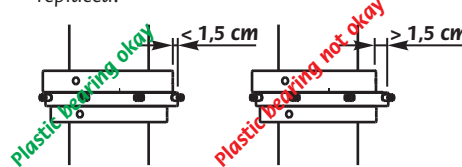
If the wooden component does not pass all of the above tests, it must be replaced.

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 whet-

her 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 6 months

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?
- The following provisions apply to the wicker huts: wicker is a natural product and will depending on its location decompose after a certain period of time. Twigs and rods protruding from the hut have to be cut, larger gaps have to be closed with new wicker. Please make sure to prevent the opening up of holes that endanger your children's heads (no openings between 89mm and 230 mm!). Make your wicker huts durable by regularly painting them with linseed oil. Another effective way to lengthen their lives is the planting of, for example, wicker cuttings around the huts.

- 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!

5 56 072 0

Equipment data:

Surfacing inside the impact area:

sand, gravel, bark mulch, wood chips, impact-attenuating tiles, oderturf, top soil, concrete¹, stone¹

Maximum free fall height:

0,73 m

Minimum equipment space:

8,50 x 8,50 x 2,73 m

Required mounting space:

8,50 x 8,50 x 2,73 m

For age groups of:

3 - 14 years

This equipment corresponds to

✓ EN 1176 part 1/5/7

¹ Impact-attenuating surface according to EN 71 (for eibe playground equipment in domestic use only): The surface has to be protected by impact-attenuating flooring (no concrete, asphalt, stone floor etc.).

Symbol explanation:



Drill (ø = 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"



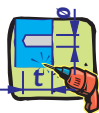
adjust



draw



close drilled holes with stoppers



Drill (t = drilling depth; ø = 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.

No: GB- Buck