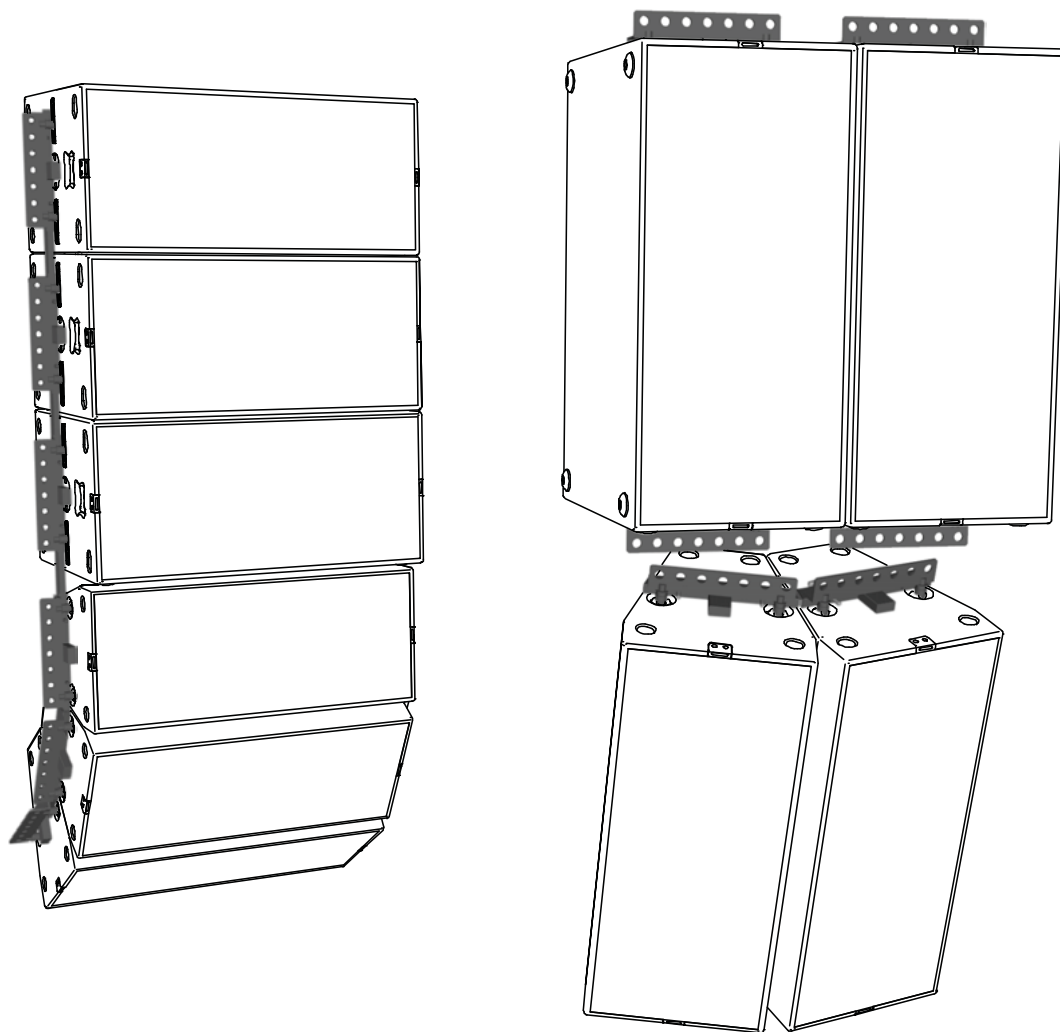


CLICK & FLY®

for LINE 212 / SW 215E



User's Manual



**Important Information,
Please Read Before Use!**

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Click & Fly® for LINE 212 / SW 215E

Symbols in User's Manual



This symbol indicates the possibility of life-threatening danger and a health risk for persons. Not following these instructions may result in serious health problems including potentially fatal injuries.



This symbol indicates a possibly dangerous situation. Not following these instructions may cause minor injuries or cause property damage.



This symbol gives instructions for the proper use of the described products. Not following these instructions may cause malfunctions or property damage.

Information about this User's Manual

User's Manual Click & Fly® for Line 212 / SW 215E Version 3.0, 30.09.2004

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All specifications in this manual are based on information available at the time of publishing for the features and safety guidelines of the described products.

Technical specifications, measurements, weights and properties are not guaranteed.

The manufacturer reserves the right to make product alterations within legal provisions as well as changes to improve product quality.

All persons who use this rigging system must have this guide and all further information for safe operations available to them during assembly, disassembly, and use.

We appreciate any input with suggestions and improvements for this manual. Please send this to us at the following address:

info@kling-freitag.de or to:

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1. Safety Instructions



The rigging system may only be suspended by trained specialised personnel with proof of their qualifications as a certified 'rigger'.

The Click & Fly System is only for professional use and is only to be used to mount Kling & Freitag speakers SW 215E, SW 215E – SP, Line 212 and Line 212 – SP. Furthermore, it may only be used as specified for uses at trade fairs, in theatres, studios, and events, etc. according to the stipulations of the BGV C1 or a comparable national standard.

As a general rule the rigging system must be inspected each time it is packed or unpacked. If permanently installed the system must be checked for signs of wear at regular intervals.

In addition an inspection book for the array system should be kept. This book should document maintenance measures and inspection intervals and contain parts lists.

If as a result of these checks any uncertainty should arise with regard to safety or if specific faults are found, the rigging system may no longer be used.

During the course of these checks particular attention should be paid to evidence of deformation, cracks, damage to threads and corrosion. Mounting devices such as shackles, chains and wire ropes should also be carefully checked for signs of wear or deformation.

Any damaged components must be replaced immediately. Do not attempt to repair the Click & Fly system by yourself! If the flyware is damaged, it must be disposed of immediately. Please send the Click & Fly system back to Kling & Freitag GmbH or bring it to a professional scrap processing plant. It must by all means be guaranteed that the system can no longer be used in any way after its disposal.

For assembly only original Kling & Freitag parts may be used. The use of other parts – in particular parts by other manufacturers – is not authorized.

Please adhere to the maximum admissible load capacity of the Click & Fly system (135 kg / Main Bar), and do not exceed the maximum admissible configurations (chapter 9).

The Click & Fly system may not be used to lift and secure persons or objects aside from the above-mentioned speakers.

Please refer also to the operating and safety instructions for the product on which the Click & Fly system is to be suspended (e.g. truss). If no information is available regarding safety of use and permissible load, then the rigging system must not be suspended upon it. Make sure that the rigging points on the ceiling of the hall (i.e. chain hoists) comply with the accident prevention regulation BGV C1 (presentation and production sites for scenic performances) or the comparable safety regulations for your country. Furthermore, the total load must be approved by TÜV or a comparable institution. If in doubt, let local authorities verify this.

Those persons entrusted with the task of erecting the rigging system are responsible for ensuring the safe assembly and safe operation of the system.

These instructions and all other necessary information regarding safety of operation must be distributed to all persons using the rigging system. The system may not be assembled and put into operation unless these instructions have been read and understood.

When chain hoists are being used to move loudspeaker arrays all persons must vacate the area below and around.

A clear signal must be given on each occasion before the system is raised, lowered or released from its rigging. All persons must then remove themselves from the radius of movement.

The safe operation of the rigging system depends upon various factors specific to the area of operation. For example, adverse weather conditions such as wind or rain can impair the safety of the system. These factors must be considered and evaluated in each case.

If there is the slightest doubt with regard to the safety of the rigging system it may not be put into use.

Ensure that all connections are secured against coming loose and that only authorized, statically tested and correctly sized supports, mounting equipment, wire ropes and chains are used.

Observe the prescribed safety factors. Follow the safety instructions for speakers and mounting equipment as well as the respective national rules, norms and safety regulations.

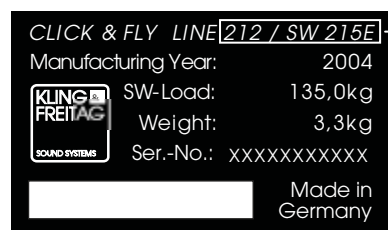
The information given here does not exempt the user from his obligation to observe valid safety regulations and legal requirements.



1.1 Click & Fly with Classification 'CLICK & FLY RIGGING SYSTEM'

Older Click & Fly systems with the classification of 'CLICK & FLY RIGGING SYSTEM' may only be used with Line 212 systems without the supplementary measures described below.

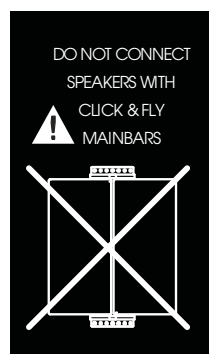
This is necessary due to safety measures for the subwoofer system, which have become additionally necessary. Only when these new supplementary measures are observed can it be guaranteed that you will have a safe and accordingly certified product for your further use.



At this position, 'LINE 212 / SW 215E' must be visible. If 'RIGGING SYSTEM' is present at this position, then the Click & Fly rigging systems is only approved for use with the Line 212 systems.

Supplementary measures which allow for an 'old' Click & Fly rigging system to be used for mounting SW 215E systems:

- Affix a new name plate, available from Kling & Freitag, recognisable by the classification 'CLICK & FLY LINE 212 / SW 215E'.
- Affix the following additional sticker, received from Kling & Freitag, to the top side of the main bar:

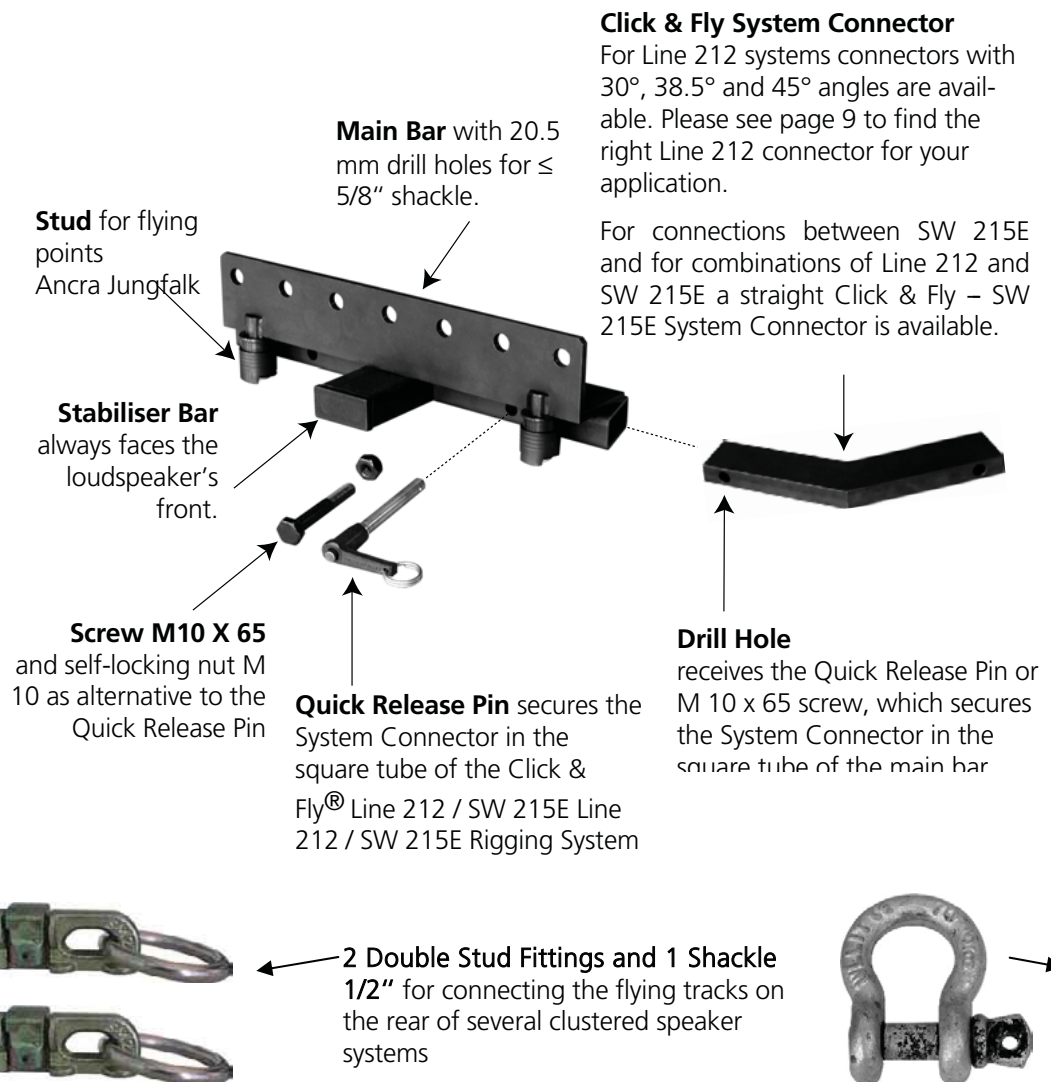


- Receipt of a written version of this manual for each Click & Fly system.
- User's manual made available for the user.
- Disposal of the old user's manual.

Kling & Freitag GmbH has made all resources necessary for supplementation including a detailed manual available free of charge to all buyers of the 'old' 'CLICK & FLY RIGGING SYSTEM'. If you did not receive these resources, please contact your retailer!

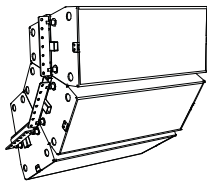
2. Shipped Components and Part Definitions

The Click & Fly system consists of the main bar with a stabiliser bar and the welded-on Click Studs. Additionally, two double stud fittings and one 1/2" shackle are included. The need for additionally available components depends upon the specific demands for use. Because of this, Click & Fly System Connectors, Quick Release Pins or screws are not included in the delivery and must be individually selected and ordered.

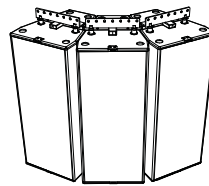


3. General Instructions for using the Click & Fly System

Definition:



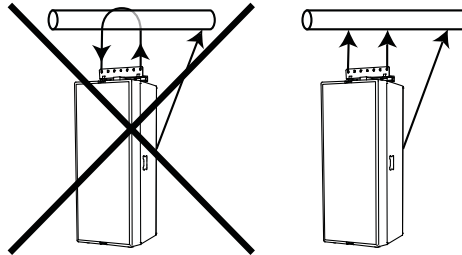
Horizontal Array



Vertical Array

The suspension of speaker systems must be carried out only by trained specialist personnel.

The Click & Fly system must always be mounted with two wire ropes or chains, which are independent of one another! Furthermore, the systems, no matter if individual or connected to one another, must be secured onto the Ancra flying track on the rear. The safety rope must have a minimum length of 100 cm and must be attached so that, in case it falls, the height of the fall is kept to a minimum. A possible fall height of 20 cm may not be exceeded! With a higher fall height, the dynamic load of a fall could be inadmissibly high; potential risk of system crash. Further information about the selection of permissible safety wire ropes and specifications about the correct diameter can be found in the supplied safety instructions for speakers and assembly equipment and also in the BG publication BGI 810-3 (SP 25.1/2-4) "Supply and Use of Safety Wire Ropes and Chains".



Warning

Ensure that all connections are secured to prevent their detaching on their own and that only admissible statically tested and sufficiently sized connecting devices, ropes and chains are used. Please follow the accompanying safety and mounting instructions carefully.

If a single flown speaker system is to be mounted into a vertical alignment, attach a single stud fitting as a rigging point onto the middle of the Ancra flying track on the rear of the speaker.

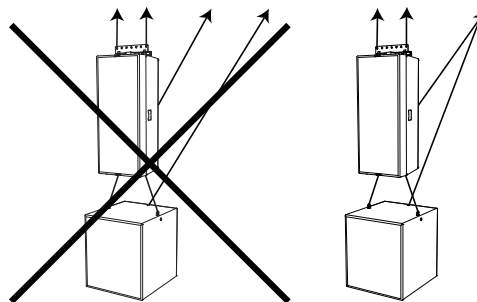
If a speaker unit consisting of several connected systems is to be flown and aligned, then the individual speakers must be attached to one another via the Ancra flying track. Consult the provided illustration when doing so. For the rear connection of the loudspeaker systems use the double stud fittings included and the 1/2" shackle. Tighten the threaded bolt of the shackle with a torque of 10 Nm (hand-tight with 200 mm long lever, e.g. screwdriver). Alternatively, you can use proven, high-strength shackles with a cotter pin. Only in this way can you ensure that the bolt will not become loose.



The safety ropes of different systems must always come together at one point.

While installing, be sure that the system can swing in case a rigging point fails. With this in mind, the speaker must be mounted so that no people or objects are within the potential range of the swinging speakers.

In vertical operations Kling & Freitag speakers with a maximum weight of 73 kg may be mounted under one Line 212 or SW 215E system. To do this both flying points (Line 212) or flying tracks (SW 215E) at the bottom of the speaker must be used. In addition, it must be ensured that the speakers mounted below are also secured at two flying points.



4. Selection of the right System Connector

4.1 Connecting several Line 212 Systems

The following Click & Fly System Connectors are available for combinations of Line 212 Systems:

Click & Fly System Connector 30°:

If you want to array several Line 212 systems with a rotated horn, we generally recommend using the 30° System Connector. It doesn't matter if the systems to be clustered consist only of Line 212-6, Line 212-9 or a combination of both systems. The horizontal coverage angle for each system with a rotated horn is 50°.

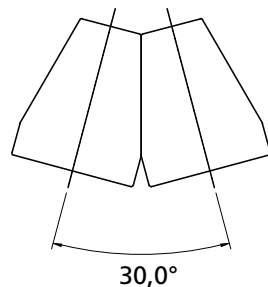
Click & Fly System Connector 38,5°:

If you want to array several Line 212-6 systems (horn not rotated), we recommend using the 38.5° System Connector.

Click & Fly System Connector 45°:

If you want to array a Line 212-6 (horn not rotated) and a Line 212-9 (horn not rotated) we recommend using the 45° System Connector.

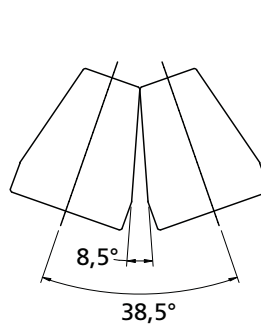
Click & Fly System Connector 30°



Line 212- 6
(horn rotated)
horn 50° h x 65° v

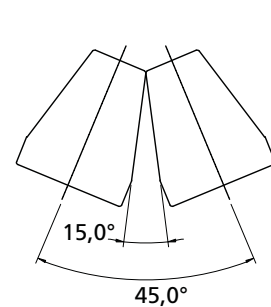
Line 212-9
(horn rotated)
horn 50° h x 65° v

Click & Fly System Connector 38.5°



Line 212-6
(horn not rotated)
horn 65° h x 50° v

Click & Fly System Connector 45°



Combination
(horns not rotated):

Line 212-6
horn 65°h x 50°v

with

Line 212-9
horn 90°h x 50°v

If several 90° speakers without a rotated horn are clustered, unwanted interference effects may appear. As a result, this arrangement is not recommended.

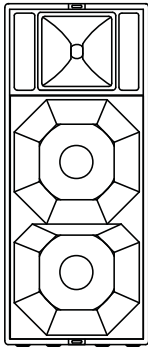
If the loudspeakers are operated via the optional K&F C2 System Controller, we recommend turning on the top low cut switch for clustered operation of Line 212 systems. Thus the frequency pattern for this application can be optimised (see also K&F C2 User's Manual).

To simulate the correct alignment of the speakers beforehand, there are various programs such as "Ease", "Ulysses". The Kling & Freitag speaker system data is available for download on our website "www.kling-freitag.de".

4.1.1 Coverage Pattern of the Line 212 Systems

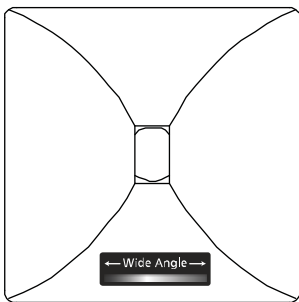
The following graphics demonstrate how to recognize how the built-in horn emits in a standing speaker: To determine the coverage pattern of the high frequency horn, shine a flashlight through the front covering at the level of the horn. You will find a silver stripe that determines the position and coverage angles of the horn.

DEFINITION:



Standing speaker

Horn not rotated:

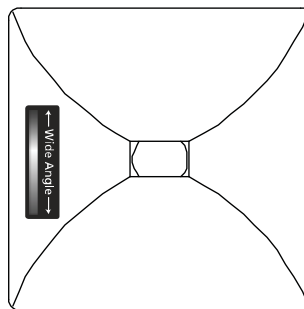


Line 212-6: 65° h x 50° v

Line 212-9: 90° h x 50° v

Standing speaker

Horn rotated:

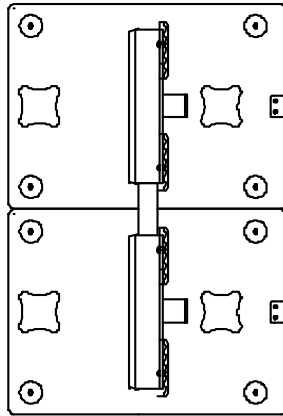


50° h x 65° v

50° h x 90° v

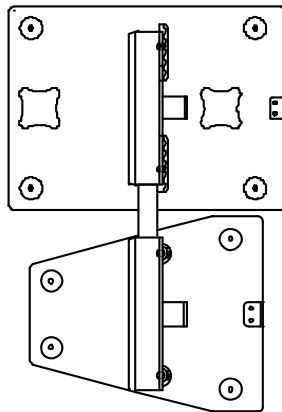
Standing speaker

4.2 Connecting several SW 215E System



If you want to array several SW 215E systems, then connect the speakers by using the Click & Fly - SW 215E System Connector.

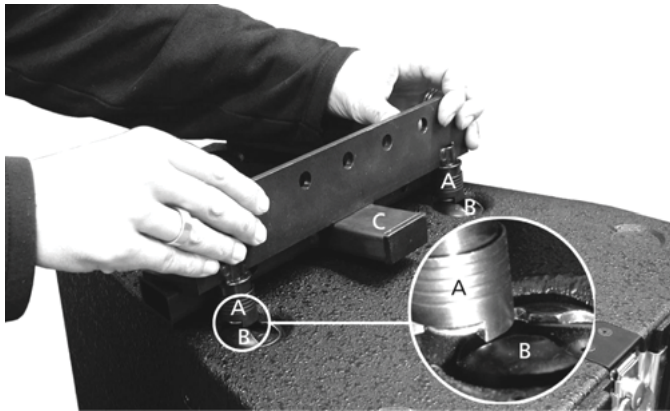
4.3 Connecting SW 215E Systems and Line 212 Systems



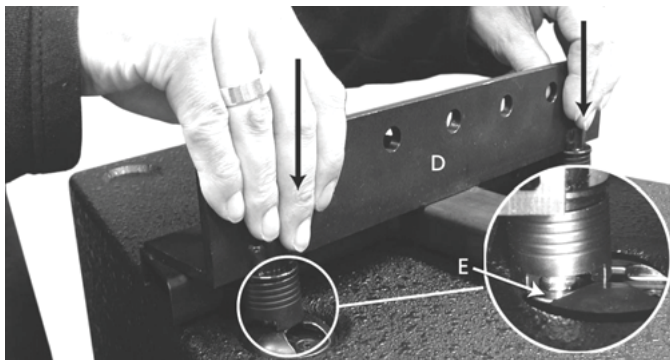
If you want to array SW 215E Systems with Line 212 Systems, then connect the speakers by using the Click & Fly - SW 215E System Connector.

5. Instructions for Use with Line 212 Systems

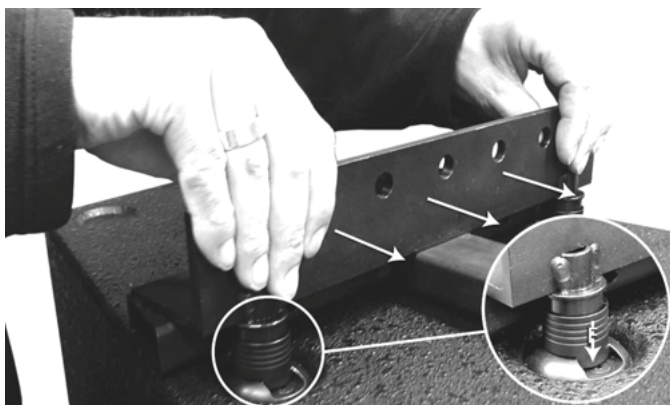
5.1 Mounting the Click & Fly on the Line 212



Adjust the locking sleeves (A) of the Click Studs by turning the sleeves so that each one has a tooth facing the front and the rear of the speaker. Position the main bar so that the Click Studs (A) are located over the openings of the positioning guides of the flying points (B). Ensure that the stabiliser bar (C) always faces the front of the speaker.



Press the main bar (D) down with both hands so that the bolts of the Click Studs (E) fit into the guidings of the flying point.



Now slide the main bar towards the front of the speaker until the Click Studs' locking sleeves (F) **snap down into place with a clearly audible click**.

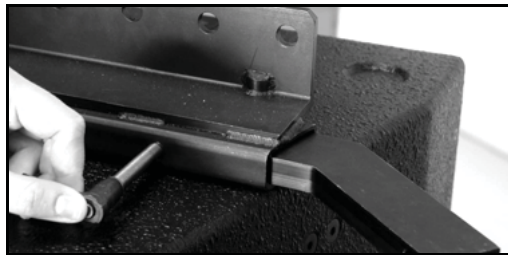
Make sure that both! sleeves click into place and check to ensure proper fit. If the two sleeves do not snap into place, turn them until they are snapped in correctly.



5.2 Connecting several Line 212 Systems, vertical Array



Slide the System Connector into the square tube of the main bar until the fixating drill hole of the connector is aligned with the drill holes in the main bar.



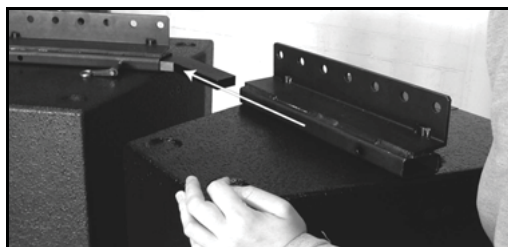
Press the unlock button on the Quick Release Pin and slide it through the drill holes as far as it will go. The Quick Release Pin must come out on the other side.



Release the unlock button and ensure the proper fit of the Quick Release Pin by pulling it back forcefully. When doing so, the pin should not be able to be pulled out.

Instead of the Quick Release Pin, a screw M10 X 65 mm with a self-locking nut is also available from KLING & FREITAG and

can be used for assembly. Make sure that the self-locking nut is screwed on to the extent that the screw thread protrudes at least two turns. Self-locking nuts may not be used more than once.



Slide the next Click & Fly Line 212 unit on the System Connector and secure it with a Quick Release Pin. Repeat the steps described in this section until the desired number of speakers are coupled.

Connect the speakers to one another on the rear on the Ancra flying track. In doing so, use the supplied double stud fittings and the 1/2" shackle.



Warning

5.3 Connecting several Line 212 Systems, horizontal Array

Horizontal arrays of several speaker systems connected to one another can be set up best in the following manner:



If available, leave the transport covers on the speakers. Put the speakers on the cover wheels. If no transport cover is available, lay down the speaker carefully on its front side on a soft surface to avoid scratches.

Using the instructions from chapter 3 and 5.1, equip all speakers with one Click & Fly Main Bar on the top and on the bottom side, then mount the corresponding System Connectors to one of the speakers.



Using two persons, take the next speaker and connect it to the first one by putting the opening of the mounted main bar onto the System Connectors of the first speaker. Lock the top speaker into place by using the Quick Release Pin or the appropriate screws and nuts.



Mount the third speaker in the same manner.



Attach appropriate chains or ropes to the outermost drill holes of the main bar. Pull the speaker cluster up and remove the transport covers when the speakers are at a comfortable working height.

Connect the speakers to one another on the rear on the Ancra flying track. In doing so, use the supplied double stud fittings and the 1/2" shackle.

Attach the rear mounted safety rope.



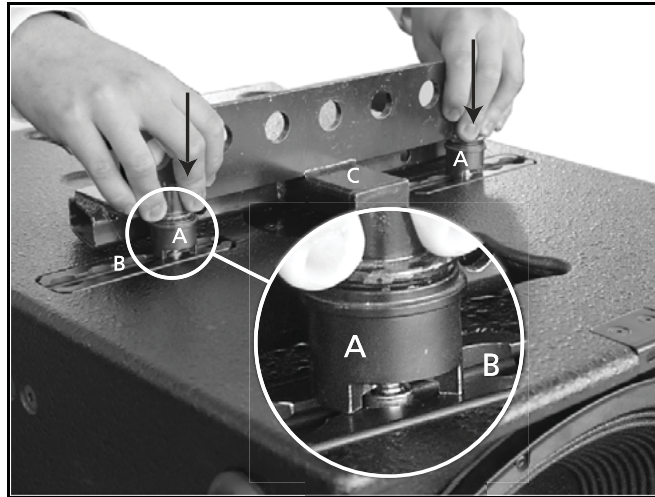
Warning

**Warning**

6. Instructions for Use with SW 215E Systems

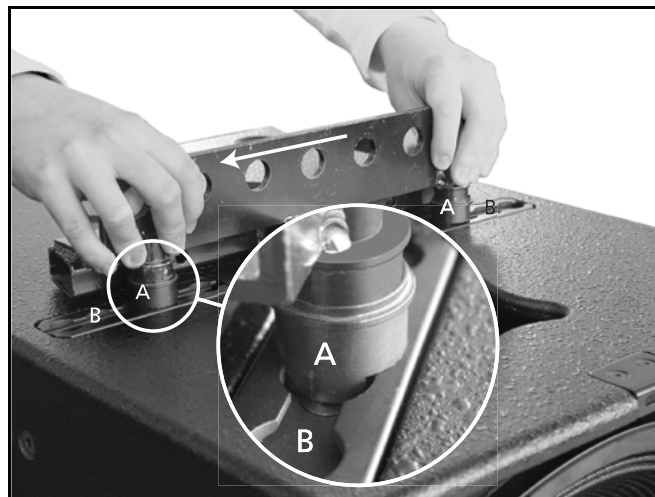
Pay attention to the safety instructions in chapter 1.1 : Click & Fly with Classification 'CLICK & FLY RIGGING SYSTEM'.

6.1 Mounting the Click & Fly on the SW 215E



Adjust the locking sleeves (A) of the Click Studs by turning the sleeves so that each one has a tooth facing left and right side of the speaker. Ensure that the stabiliser bar (C) always faces the front of the speaker. Position the main bar so that the Click Studs (A) are located over the openings of the positioning guides of the flying track (B).

Press the main bar (D) down with both hands so that the bolts of the Click Studs (E) fit into the guidings of the flying track.



Now slide the main bar towards the side of the speaker until the Click Studs' locking sleeves (A) snap down into place with a clearly audible click.

Make sure that both! sleeves click into place and check to ensure proper fit (see magnification left hand side).

If the two sleeves do not snap into place, turn them until they are snapped in correctly.

Check if the main bar is positioned in the middle of the speaker. Otherwise change the position accordingly.

**Warning**

6.2 Connecting several SW 215E Systems



Slide the SW 215E System Connector into the square tube of the main bar until the fixating drill hole of the connector is aligned with the drill holes in the main bar.

Press the unlock button on the Quick Release Pin and slide it through the drill holes as far as it will go. The Quick Release Pin must come out on the other side. Release the unlock button and ensure the proper fit of the Quick

Release Pin by pulling it back forcefully. When doing so, the pin should not be able to be pulled out!

Instead of the Quick Release Pin, a screw M10 X 65 mm with a self-locking nut is also available from KLING & FREITAG and can be used for assembly. Make sure that the self-locking nut is screwed on to the extent that the screw thread protrudes at least two turns. Self-locking nuts may not be used more than once.



In case you wish to hang a further speaker under the SW 215E or mount the SW 215E vertically, then install one Click & Fly Main Bar each on the top and base and put one SW 215 System Connector on each side.

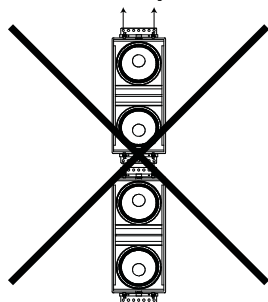


Slide the next Click & Fly-SW 215E unit onto the SW215E System Connectors and secure it, as described above, with Quick Release Pins.

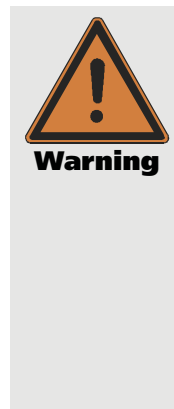
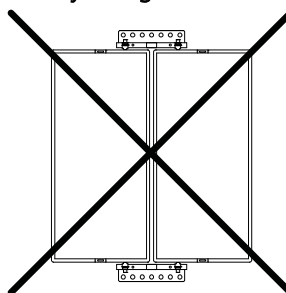
Connect the speakers to one another on the rear on the Ancra flying track. In doing so, use the supplied double stud fittings and the 1/2" shackle.



SW 212E systems may not be suspended under one another vertically.



The systems may not be connected by using a Main Bar.

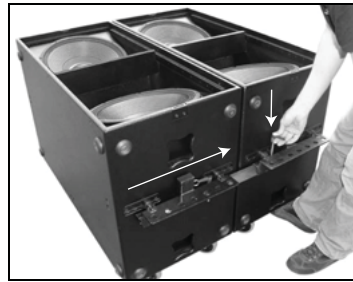




7. Instructions for Combinations of Line 212 and SW 215E

Pay attention to the safety instructions in chapter 1.1 : Click & Fly with Classification 'CLICK & FLY RIGGING SYSTEM'.

7.1 Vertical Arrays



Connecting the subwoofers

First install one Click & Fly Main Bar each to the top and base of the subwoofer, chapter 6.1

If several subwoofer systems are required, connect several SW 215E speakers first, as described in chapter 6.2 .

The connected subwoofers should be mounted while standing on the castors (picture left).

Connect the speakers to one another on the rear on the Ancra flying track. In doing so, use the supplied double stud fittings and the 1/2" shackle.



Connecting the Line 212 systems

Install one Click & Fly system each to the top side of the Line 212 System, chapter 5.1

If several Line 212 Systems are to be arrayed, connect them to one another, chapter 5.2

Connect the speakers to one another on the rear on the Ancra flying track. In doing so, use the supplied double stud fittings and the 1/2" shackle.



Lifting the subwoofers

Now connect the wire ropes/chains with which the subwoofers are to be hoisted. The wire ropes/chains must be attached to the middle drill hole of each main bar using a shackle.

Then lift the subwoofers high enough so that the Line 212 systems can be placed under it.



Mounting the Line 212 to the subwoofers

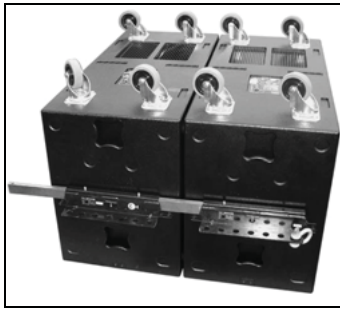
Connect the Click & Fly systems of the basses with the Click & Fly systems of the Line 212 systems. For this, use 1/2" shackles with a permissible load capacity of 2t.

Attach the safety ropes on the rear: at least one safety rope for the Line 212 systems and one for the SW 215 systems.

Then pull up the connected systems.



7.2 Horizontal Arrays



Connecting the subwoofers

Install one Click & Fly system each to the top and base of the subwoofer, chapter 6.1 .

If several subwoofer systems are required, connect several SW 215E speakers first, as described in chapter 6.2 .

In order to mount the Line 212 System on the SW 215E, attach an additional SW 215E System Connector to the Click & Fly Main Bar.

The connected subwoofers should lie on the front (picture left)

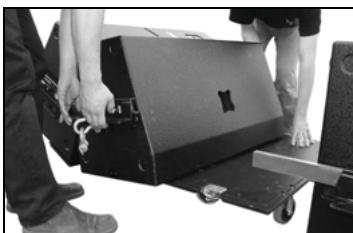


Connecting the Line 212 systems

Install one Click & Fly system each to the top and the base of the Line 212 system, chapter 5.1 .

If several Line 212 systems are to be connected, then initially leave the transport cover (if at hand) on the speakers, and connect the Line 212 systems to one another, chapter 5.2 .

If you only wish to use one Line 212 system, then we recommend removing the transport cover and pushing the system onto the remaining system connector of the SW 215E speaker unit.



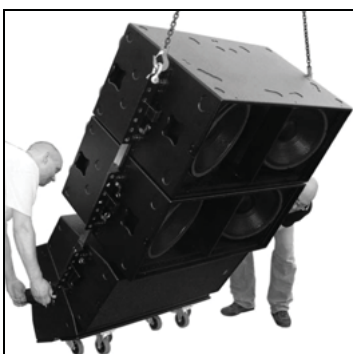
Removing the first cover

When several systems are in use, after connecting the Line 212 systems to one another, take off the cover of the specific Line 212 system, which is to be pushed onto the system connector of the SW 215E unit (picture left). The other covers stay on the Line 212 systems.



Connecting the Line 212 to the subwoofers

Push the Line 212 unit onto the Click & Fly - SW215E System Connector of the SW 215E unit and set this into place with the Quick Release Pins.



Attaching the cluster to the chains and lifting the cluster

The wire ropes/chains, which will be used to hoist the speaker cluster, must be connected onto the top drill holes of the main bar using shackles, and then the cluster can be pulled up. Because the bottom Line 212 system still has the cover with wheels on it, it is especially convenient to raise.

Caution! The cluster can swing when being raised!

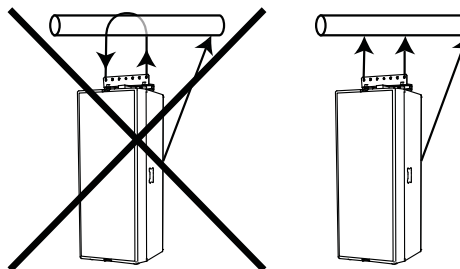


8. Examples for correctly suspended Speaker Systems



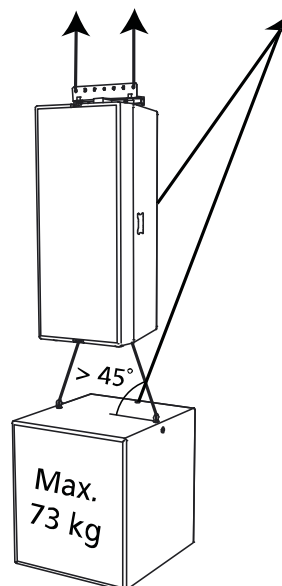
The Click & Fly system must always be mounted with two wire ropes or chains, which are independent of one another! Furthermore, the systems, no matter if individual or connected to one another, must be secured onto the Ancra flying track on the rear. This safety rope may be used for aligning the systems.

The safety rope must have a minimum length of 100 cm and must be attached so that, in case it falls, the height of the fall is kept to a minimum. A possible fall height of 20 cm may not be exceeded! With a higher fall height, the dynamic load of a fall could be inadmissibly high.



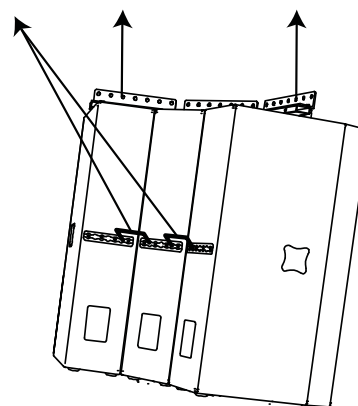
Right:

- A two-point suspension on the main bar was selected. Each speaker must nevertheless be secured with a safety rope. The safety ropes can also be fastened on the main bar of the Click & Fly system.
- The suspended speaker weighs no more than 73 kg. This falls within the 135 kg total load-bearing capacity of the main bar.
- The angle of the rope/chain in relation to the top of the mounted speaker is greater than 45°. This maintains the permissible load on the flying points.
- The rear mounted safety ropes come together at one point.



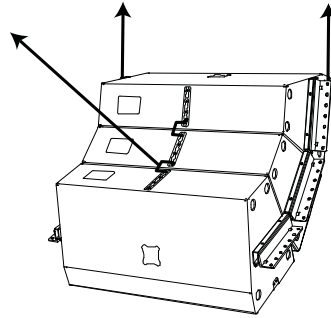
Right:

- The rigging points are selected so that the weight of the speakers is evenly distributed.
- The speakers are connected to one another on the rear with double stud fittings and shackles and are aligned by using the safety ropes. **The suspension point is located on the connection point (shackle) of the three Line 212 systems.** As a result, the load is distributed to the three Line 212 systems
- The rear mounted safety ropes come together at one point.

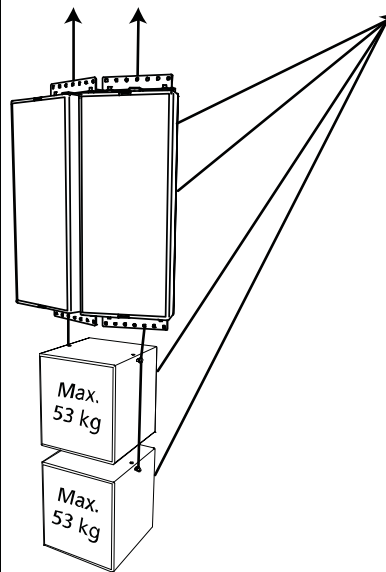


Right:

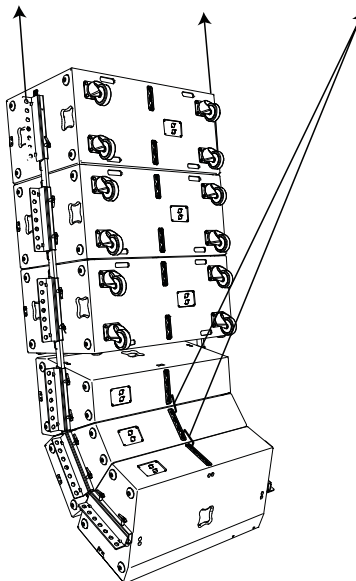
- The uppermost drill holes of the main bars are used as suspension points.
- The speakers are connected to one another on the rear with double stud fittings and shackles. The suspension point is located on the connection point (shackle) of the two lower Line 212 systems. As a result, the load is distributed to the two speakers.

**Right:**

- The two suspended speakers are not each directly mounted on one flying point of the upper speaker systems. Instead, more Click & Fly main bars are mounted on the bottom of the upper speaker. In this way the load can be taken up by all four suspension points of the upper speakers. **Please note that the closer the rigging points of the speakers hung from the bottom are located to the outer edge, the less evenly the load will be distributed over all 4 points. The maximum load is, therefore, limited to 53 kg.**
- Each speaker is secured with an additional **safety rope**. The safety ropes can also be fastened on the upper main bar of the Click & Fly system. In this case the safety ropes should be distributed on the two upper main bars.
- The rear mounted safety ropes come together at one point.

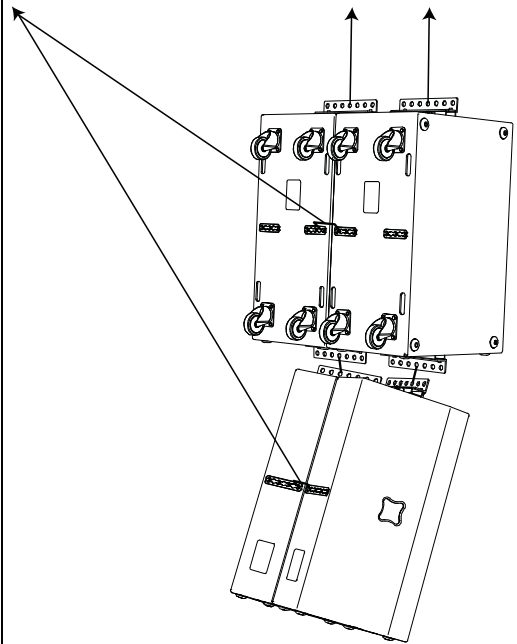
**Right:**

- The cluster is hung from two independently acting chains fastened to the top drill holes of the Click & Fly Main Bars.
- The Line 212 Systems are connected to one another on the rear using double stud fittings and shackles and are secured with two **safety ropes**. The mounting points are at the connections (shackles) of the three Line 212 systems. In doing so, the load is distributed onto the three Line 212 systems.



**Right:**

- In this configuration, 6 Click & Fly systems are used: 2x subwoofers top, 2x subwoofers bottom, and 2x line 212 systems top. The Click & Fly systems are connected to one another in pairs using system connectors.
- The cluster is suspended from two independently acting chains fastened to the middle drill holes of the two top Click & Fly Main Bars.
- **The two subwoofers and both Line 212 Systems are connected to one another using double stud fittings and shackles and are secured/aligned with safety ropes.** The alignment point of the safety ropes is at the connecting points of the systems. In doing so, the load is distributed onto the speaker systems.
- **The rear mounted safety ropes come together at one point.**



9. Maximum Admissible Configurations

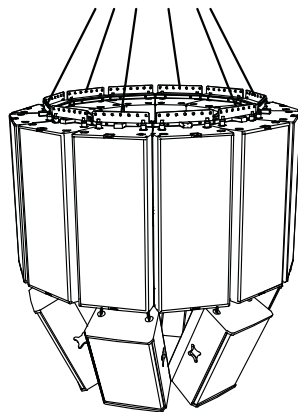
9.1 Line 212 Clusters

9.1.1 Vertical

Central cluster, consisting of 12 x Line 212-6 systems for long distances with e.g. 6 mounted K&F CA 1515 systems for shorter distances.

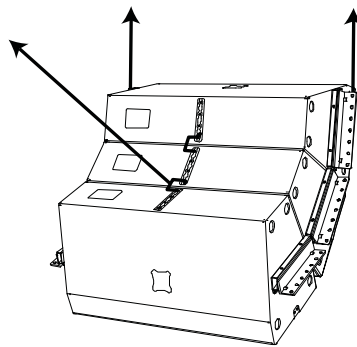
A wire rope or chain must be attached to every second Click & Fly system for suspension.

Make sure that the load of the ropes is distributed evenly when setting up a cluster like this!



9.1.2 Horizontal

A maximum of 3 Line 212 systems may be suspended under one another!



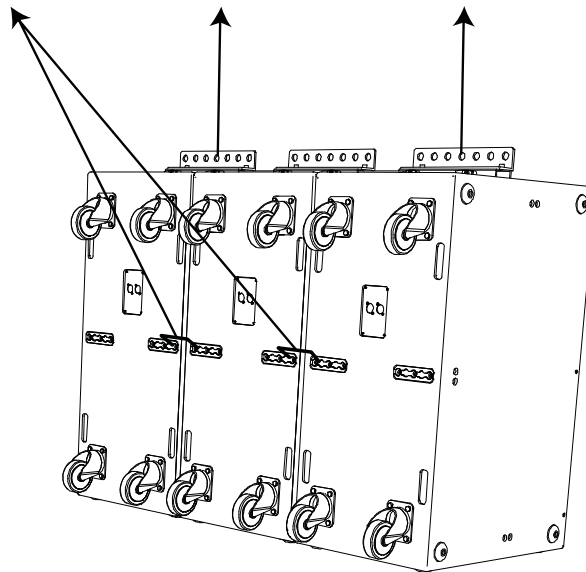
9.2 SW 215E Clusters

9.2.1 Vertical

3 x SW 215E may be flown next to one another.

One suspension point must be hooked up to each of the outer main bars.

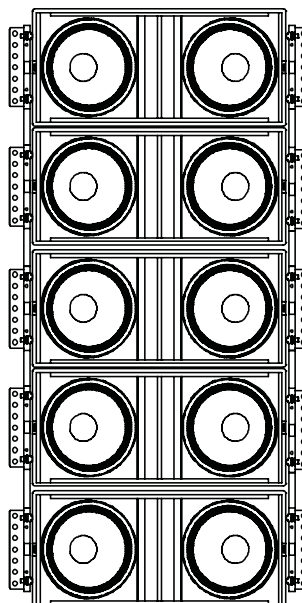
The speakers must be connected on the rear, and – as shown in the illustration – secured with safety ropes.



Application example with 3 x SW 215E

9.2.2 Horizontal

A maximum of five SW 215E systems may be suspended under one another in horizontal arrays!

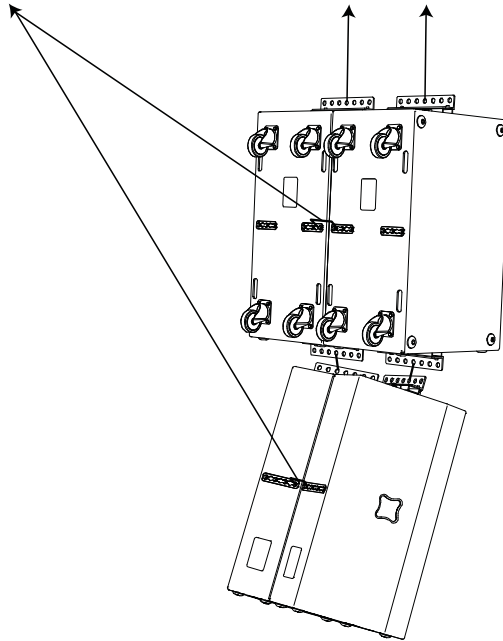


9.3 Combinations of Line 212 and SW 215E

9.3.1 Vertical

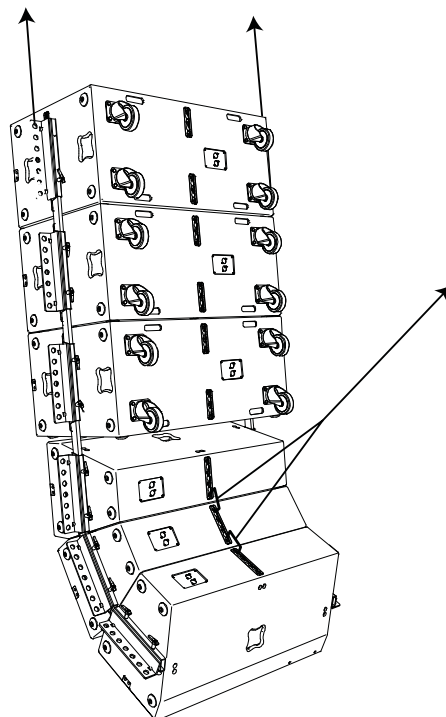
A maximum of two SW 215E and two Line 212 systems may be combined in vertical arrays!

The speakers must be connected on the rear, and – as shown in the illustration – secured with safety ropes.



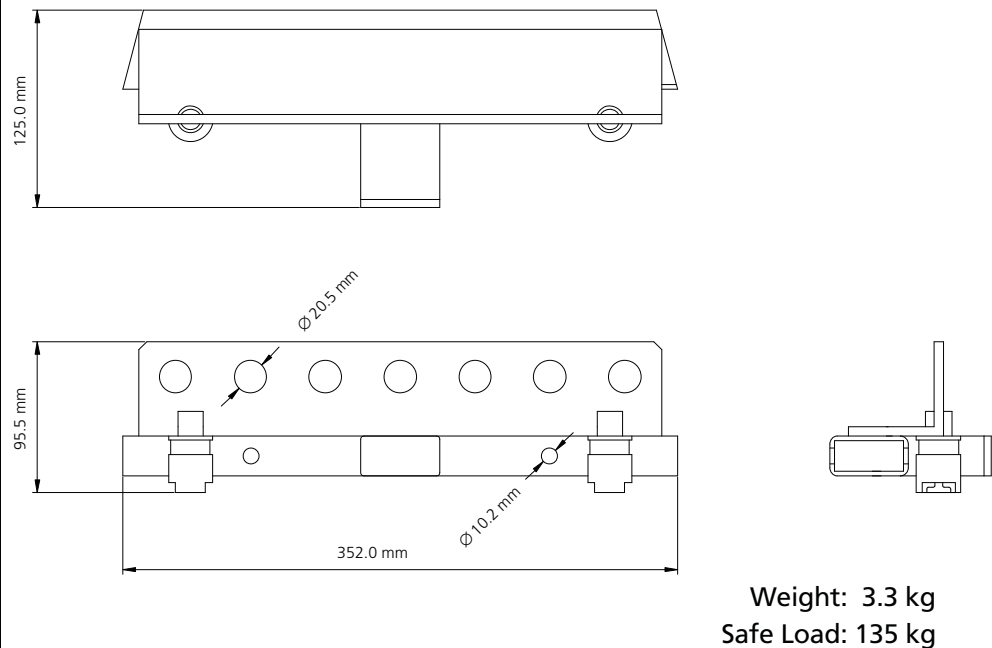
9.3.2 Horizontal

A maximum of three SW 215E and three Line 212 systems may be combined in horizontal arrays!

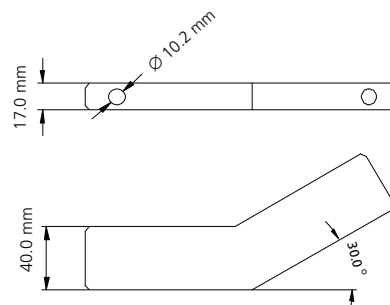


10. Basic Dimensions, Weights and Load Capacity

CLICK & FLY – Main Bar

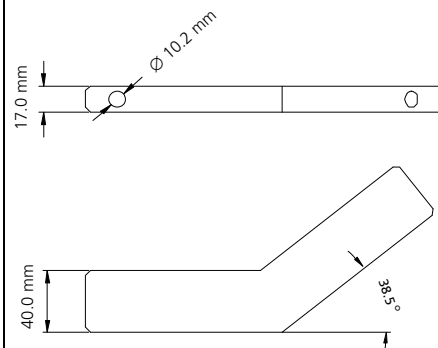


Click & Fly - Line 212 System Connector
30°



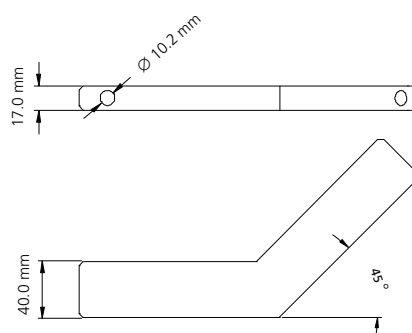
Weight: 1.0 kg

Click & Fly - Line 212 System Connector
38.5°



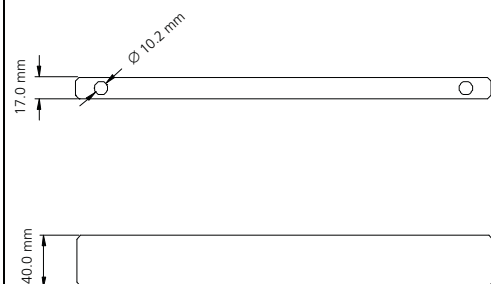
Weight: 1.3 kg

Click & Fly -Line 212 System Connector 45°



Weight: 1.4 kg

Click & Fly - SW 215E System Connector:
Connects several SW 215E systems and
combinations of Line 212 and SW 215E



Weight: 1.7 kg

11. Care and Maintenance

For the owner and user it is of the utmost importance to be aware that a rigging system is an extremely safety-sensitive accessory.

For this reason it is absolutely imperative to carry out careful and well-documented maintenance procedures and checks.

The Click & Fly system can with the passage of time begin to show signs of wear and tear due to mechanical strain, transportation damage, corrosion or improper treatment. As a rule this leads to an increased risk of accident.

As a general rule the Click & Fly system should be inspected each time it is packed or unpacked. If permanently installed the system should be checked for signs of wear at regular intervals.

During the course of these checks particular attention should be paid to evidence of deformation, cracks, damage to threads and corrosion. Mounting devices such as shackles, chains and wire ropes should also be carefully checked for signs of wear or deformation.

The regular checking of rigging components is prescribed by law in many countries. Therefore, it is recommended that checks of this nature are carried out in the interest of your own safety. In most cases (BGV C1), an annual check is required. This should be carried out by specially trained skilled personnel. In addition, a detailed check has to be carried out by an official or state-recognised expert every four years. If your area of use (e.g. theatre, studio, stage etc.) requires such a check, please contact the responsible authorities for your location.

Very important in this respect is the completion of an inspection book. Details regarding cyclical checks are entered here for each component and are thus available for eventual control.

In addition an inspection book for the rigging systems used should be kept. This book should document maintenance measures and inspection intervals and contain parts lists.

If as a result of these checks any uncertainty should arise with regard to safety or if specific faults are found, the Click & Fly system must be taken out of service at once.

If defects are detected, then the product must be sent to Kling & Freitag GmbH for inspection and, if possible, repair.



12. Storage and Transport

The Click & Fly system is effectively protected from short-term exposure to moisture by using KTL coatings. It is, however, to be stored, transported, and used in dry surroundings.

Furthermore, it must be ensured that the Click & Fly system is protected from mechanical strains so that no damage can be done as a result.

With this, we recommend using appropriate transport and storage containers, which protect the system from the afore-mentioned influences.

13. Disposal

The Click & Fly System may not be repaired by the owner or user! If it is damaged, then it must be immediately sent into the Kling & Freitag GmbH for repair or properly disposed of. It must by all means be guaranteed that the system can no longer be used in any way after its disposal.