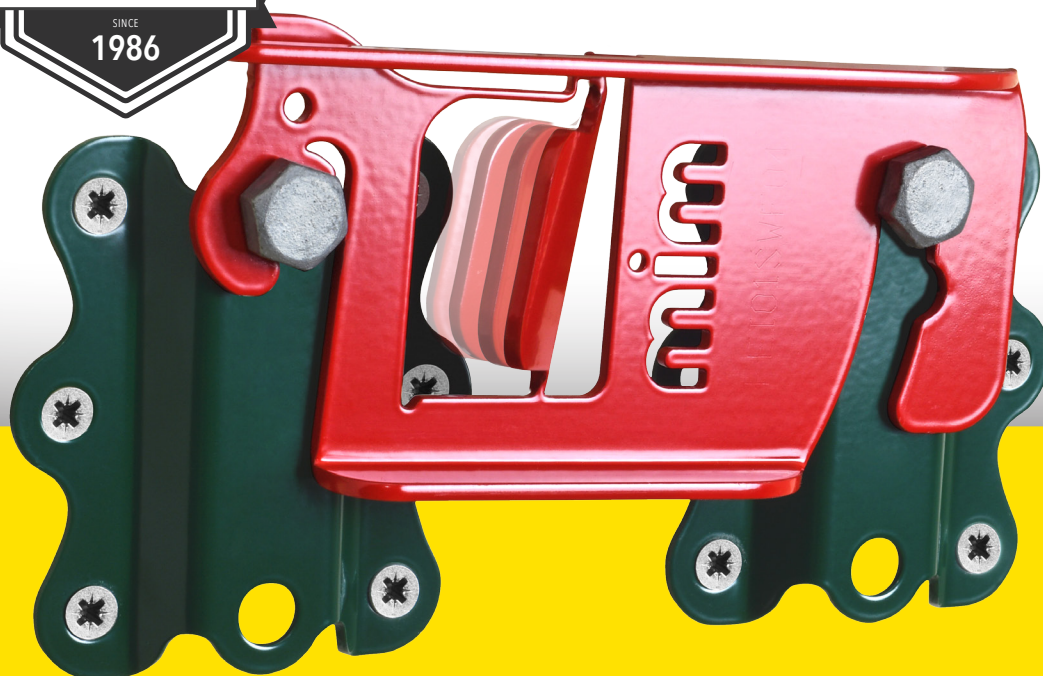


# mimSAFE

[www.mimsafe.se](http://www.mimsafe.se)



IMPACT TECHNOLOGY

## FREQUENTLY ASKED QUESTIONS

NEWERA USIT SYSTEM



## General information for Cross Country Course designers & Builders, Technical Delegates, and Ground Juries regarding MIM Clips

The development of frangible mechanisms in the sport has been well received and is a positive step to risk management. This document sets out some information which is intended to be useful for all officials and it will be updated on a regular basis.

The MIM systems that are currently approved by the FEI for use in competitions are available on the FEI website.

The instructions for their fitting have been recently updated and must be strictly adhered to if the system is to work as designed. As other ways of using MIM clips are approved they will be added to the above list.

For simplicity, the approved systems have 'FEI Approved' written on the instruction sheets.

All instructions can be found on the FEI website at:  
<https://inside.fei.org/fei/disc/eventing/risk-management/devices>

## FRANGIBLE DEVICE ADVISORS

Any questions about correct fitting of frangible devices are to be addressed to:

- RMSG members: Stuart Buntine [stuart@bedeltd.co.uk](mailto:stuart@bedeltd.co.uk), (GBR mobile n° +44 7717 412 167 and Dave Vos (USA mobile n° +1 540 532 7079) [davidwvos@gmail.com](mailto:davidwvos@gmail.com) and
- MIM founder Mats Björnetun [mats@mimsafe.com](mailto:mats@mimsafe.com) (mobile n° +46 70 853 21 80)

***Note: please be mindful of time zones if using mobile numbers***

The below list of experienced Course builders / Course Designers can be contacted regarding any queries on how to fit frangible devices.

NAME	E-mail	Telephone n°
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**UPDATED STANDARD FOR FRANGIBLE / DEFORMABLE CROSS COUNTRY FENCES**  
Version 2 (6 April 2020)

**ADVICE REGARDING IMPLEMENTATION OF MIM DEVICES** (February 2021)

The following notes apply to all fence types (Art 547.2.4) which have to be fitted with frangible devices as from January 1<sup>st</sup> 2021:

**1. Do all MIM devices fitted prior to 2021 need to be changed?**

- Fences jumped straight on:

MIM devices with the RED CLIP produced prior to 2021 are good to use.

- Fences intended to be jumped at an angle (including corners):

For **4\* and 5\* level**, there is a completely new hinge/bracket that works with the YELLOW CLIP, therefore, these should be changed for use in 2021.

For **1\*, 2\*, 3\* level** using the new YELLOW CLIP from 2021 is satisfactory. All new fences intended to be jumped at an angle must use the 2021 hinges/brackets/clips.

- Tables:

The new 2021 MIM Table Kit for use with the YELLOW CLIP is more effective than those produced previously. The FEI does not currently mandate tables to have frangible devices. MIM recommends that tables built prior to 2021 use the YELLOW CLIP instead of the old red clip. All new Tables built should use the 2021 Table kit (80320).

**2. Ensuring YELLOW CLIP fences are safe for course walking and the public:**

- The YELLOW CLIP breaks more easily than the RED CLIP. Therefore, people sitting/standing/leaning on YELLOW CLIPPED angle fences or tables could cause them to break.
- For safety reasons MIM has produced a solid SILVER CLIP that can be left on these fences while they are not being jumped and changed out to the YELLOW CLIP when competition begins. It is obviously important not to jump fences with the solid SILVER CLIP as it is not intended to break.

**3. You have experienced brackets/arms bending?**

- There have been a few cases of this happening globally. It seems to be on fences jumped at an angle or when a horse damages a fence including the bracket.
- Brackets/hinges from 2021 have been produced with thicker steel to help avoid this problem.
- Brackets/hinges prior to 2021 are fine to use on fences jumped straight on.
- We recommend fences intended to be jumped at an angle are replaced with 2021 thicker brackets/hinges.
- If a bracket/hinge does bend during competition it needs to be replaced, therefore, a spare set should be kept available.

**4. What if a competitor jumps a fence the Course Designer (CD) intended to be jumped at angle straight on?**

- The intended line the CD wants competitors to jump is the determining factor when deciding which colour clip should be fitted. If a fence is intended to be jumped at an angle, it must be fitted with a yellow clip.
- The yellow clip will break at 70% of the energy of the red clip. If a competitor chooses to take the risk and jump a yellow clipped fence straight on, then even though it releases more easily, the FEI has determined normal penalties apply if activated.

**1. How can I find out more about the MIM system or seek clarification on anything I don't understand?**

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**Answer:** Contact your NF NSO or MIMsafe New Era which is based in Sweden.  
Tel: +46 (0)10 5500 450  
E-mail: [info@mim.se](mailto:info@mim.se)  
Website: [www.mimsafe.se/en/new-era](http://www.mimsafe.se/en/new-era)

**2. Can I experiment on fences on courses using clips in different positions?**

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**Answer:** NO

**3. Do the clips need to be aligned in the direction of travel of the horses or on the intended jumping line?**

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**Answer:** No, just follow the instructions.

**4. Do the clips need to be fitted tightly?**

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**Answer:** They must not be loose once fitted, they need to be 'hand tight' ie easily put in position and replaced as/when necessary.

**5. Is it possible to use the system in other types of fence?**

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**Answer:** Yes. For example, elephant traps/sloping rails can use the Post & Rail system.

**6. From a general interest point of view, if a clip is fitted horizontally will it act differently if it is fitted vertically or at 45 degrees?**

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**Answer:** NO

**7. Can I use non FEI approved systems at FEI competitions?**

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**Answer:** NO

**8. Weight of the rails**

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**Answer:** Please take note of the details in the instructions, this is very important.

### 9. Is there a left or right clip?

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**Answer:** No, they can be used on each end of rails.

### 10. Can I use a single clip on a rail?

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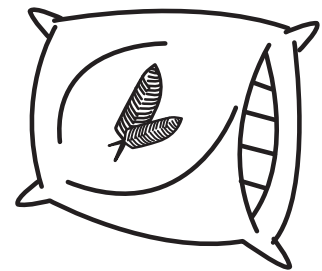
**Answer:** No, all rails must have 2 clips on

### 11. Are there any handy tips for me as a course builder?

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**Answers:**

- a. It is recommended to place a catcher block behind the upright which will 'catch' the rail if the clips are activated to prevent the rail hitting the upright and thereby possibly loosening the upright. The 'catcher' needs to allow the rail to drop below horizontal. The catcher must catch the rail not the bracket and the rail must hit the catchers squarely.
- b. The minimum drop of the rail is 25cms.
- c. Care must be taken to build fences in such a way that when the system is activated there are no dangerous gaps or traps.
- d. Ageing of fences: please appreciate that as fences get older the wood dries out or rots and screws become loose. They must be checked thoroughly before every event. Thorough maintenance is very important.



### 12. The angle of the clip on fences where the adjustable brackets in the Post & Rail kits are used has a tolerance if the height of the rail is adjusted using the bracket, ie it is not required in all circumstances to change the clip if the rail is raised or lowered

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**Answer:** please refer to instructions.

### 13. When the fences are not being used

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**Answer:** Please remove the clips and secure or drop the rails so that there is no chance of inadvertent activation for example if people stand on the fence.

### 14. Flagging

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**Answer:** Do not secure the flag to any frangible part of a fence.

## SOME EXAMPLES OF INCORRECTLY FITTED CLIPS



Those fences have the clip holders placed on incorrect distances. The correct distance from the clip holders to the hinges is shown in a figure similar to this one in every assembly instructions. Please follow the fitting instructions carefully.

