

# **Butterfly Clip M2 Seat Fixings**

## **Code RBC**

### **USER INSTRUCTIONS**



**Read instructions fully before use.**

**It is recommended that training be given on the proper use of this product.**

**Retain this manual for future reference.**

**Include it with the product in the event of transfer to new users. Additional copies are available upon request.**

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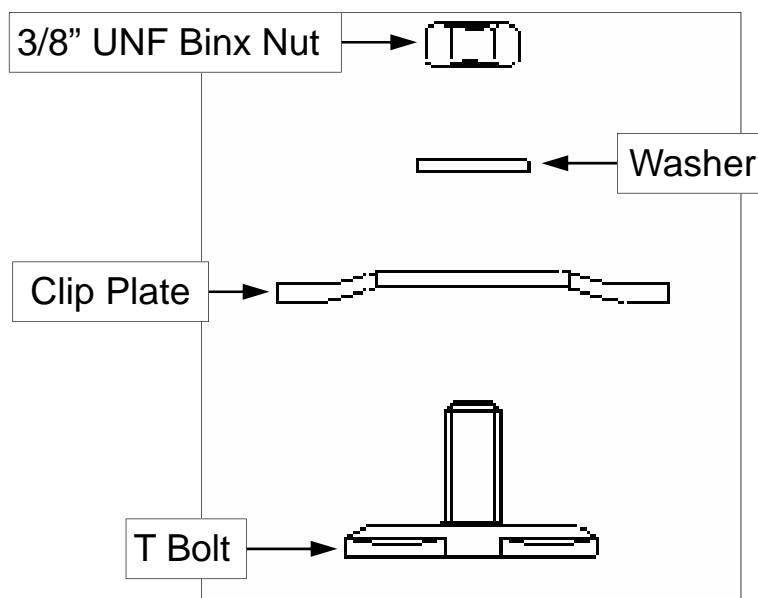


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## A. PARTS LIST

Each Butterfly Clip comprises a T Bolt, a Clip Plate, a Plain Washer and a 3/8" UNF Binx Nut .



## B. LIMITATIONS OF USE

- 1 The Butterfly Clip seat fixtures have been designed for use with a variety of M2 single seats where the intention is that they are fitted into Unwin Rail in a fixed position within the vehicle.
- 2 If seat belts are attached to the seat and the vehicle is to be sold within the EU the vehicle builder will invariably require evidence that the assembly meets appropriate Directives. Although the Butterfly Clip fixture has performed satisfactorily in tests where M2 loads were applied to a single seat up to 30 kg, care needs to be taken in reading across test results from one installation to another. If in doubt regarding a particular installation exists refer to Unwin Safety Systems, the seat manufacturer or the vehicle builder.
- 3 The Binx nuts are only to be used once, if the seats are moved replacement nuts are to be used. (see Spare parts/ancillary items)
- 4 Butterfly Clip seat fixtures should **only** be fitted and used in the way described in this manual. If you have any queries on the installation or use of these products please contact Unwin Safety Systems.

## C. FITTING THE BUTTERFLY CLIP ONTO A SEAT FRAME

### M2 Single Seat Application Only

- 1 Two pairs of fixings are normally required for each seat.
- 2 If it is intended that the seat should face the rear please contact Unwin Safety Systems.
- 3 Place the fixings in the rails where the seat is to be positioned.
- 4 Remove the washer and nut from each fixing.
- 5 Place the seat on the fixings and place a washer & nut on all studs and tighten, a screw tightening torque of 40Nm (30 lbft) is recommended.
- 6 To achieve maximum strength as an assembly the fixing studs must protrude beyond the nut by a minimum of 1.5 mm.

## D. SPARE PARTS/ANCILLARY ITEMS

Additional washers and nuts are available

WA-M10-K	Plain Washer
ND-U3/8-K	3/8" UNF Binx Nut

Please contact our sales office for details.

## E. WARRANTY

Unwin products are extensively tested using Unwin rail, and our full warranty normally only applies to Unwin equipment when used in Unwin branded rail.

Unwins have also participated in test programs with manufacturers of structural rail products and will support warranty on the Unwin products when used in conjunction with such jointly tested systems.

For further details on specific applications please contact the Sales Office.

In other situations using rail products for which Unwin has not participated in joint test programs, a limited Unwin warranty will apply.



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