

T-Bolts



User Manual

EN Instructions for fitting and use

Thank you for choosing

T-Bolts from BraunAbility!

The following manual is an important part of the product, providing you with information on how to achieve maximum performance and safe operation. Keep the manual in a safe place so that you can refer to it when necessary.

If you have any questions about your equipment, please contact us.

Once again, thank you for placing your confidence in our products!



Safe vehicle adaptation solutions
*For your safety BraunAbility products are
designed and tested according to current
directives and standards.*

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Safety information

Limitation of use



This range of T-Bolt seat fixtures have been designed for use with a variety of seats where the intention is that they are fitted into our rail in a fixed position within the vehicle to EEC Regulation 14 M1 & M2 Loading.



If seatbelts 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 the appropriate directives.



Although the T-Bolt fixture has performed satisfactorily in tests where M1 loads were applied to a single seat up to 28kg, care needs to be taken in reading across testing results from one installation to another. If in doubt regarding a particular installation exists refer to BraunAbility, the seat manufacturer or the vehicle builder.



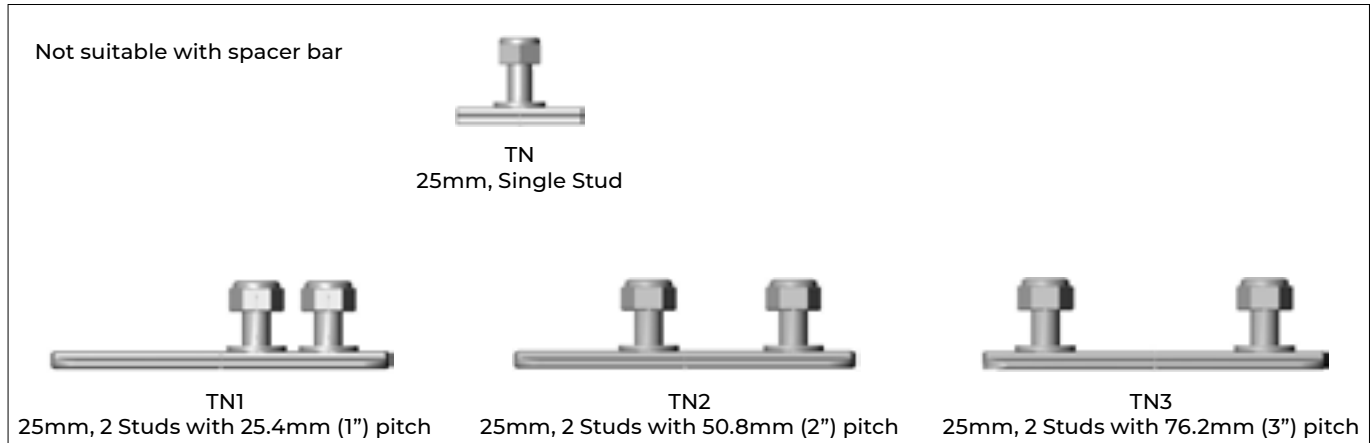
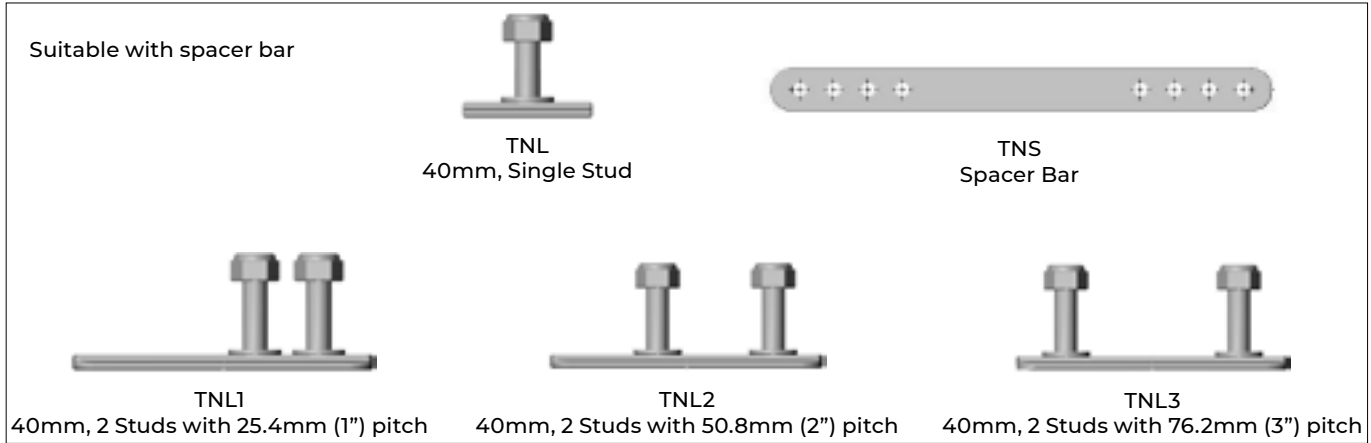
*The nyloc nuts are only to be used once, if the seats are moved replacement nuts are to be used.
(see spare parts/ancillary items)*



T Bolt 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 BraunAbility.



When the T-Bolt are used with a Phoenix Seating product, additional parts may be required to ensure compliance with the Type Approved Installation. Parts and advice can be obtained from Phoenix Seating.



Fit and use

Fitting T-Bolts to seat leg

Note: T Bolts are to be slid into the end of the rail, ensuring that the arrow marked F on the '2 stud' fixing is pointing towards the front of the vehicle, therefore this must be done whilst access is available.

M1 Application Only

1. Two pairs of fixings are normally required for each seat.
2. Two '2 stud' fixings must be placed at the rear with two 'single stud' fixings at the front. **IMPORTANT:** If it is intended that the seat should face the rear please contact BraunAbility.
3. Slide the fixings along the rail to where the seat is to be positioned.
4. Remove the washer and nyloc nuts from each fixing.
5. Place the seat on the T-Bolts and place a washer & nut on all studs and tighten. A screw tightening torque of 40Nm (30lbft) is recommended.
6. To achieve maximum strength as an assembly the fixing studs must protrude beyond the nylon of the nyloc nut by a minimum of 1.5mm.

M2 Application

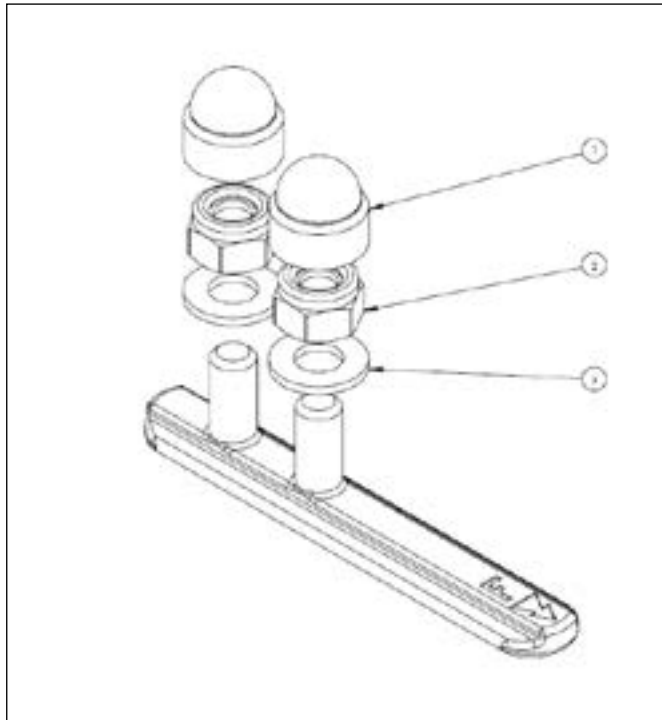
1. As above but the 'single stud' fixing can be used all round.

Spacer Bar (Not suitable for TN, TN1, TN2 & TN3)

1. The Spacer bar is used, in both M1 & M2 applications, to maintain a constant seat height when both the T Bolt and the Seat Lockable are used in the same vehicle.
2. Position the fixings in the vehicle as above and place the spacer bar over the studs in line with the rail in the floor.
3. Fit the seat frame, washers and nuts as detailed above.

Fit and use

Spare Parts & Ancillary Items



- | | | |
|----|----------|---------------------|
| 1. | TN/10 | M10 Plastic Nut Cap |
| 2. | NC-M10-Z | M10 nyloc nut |
| 3. | WA-M10-Z | M10 washer |

Additional washers and nyloc nuts are available upon request. Please contact our customer support team for details.



WARNING

If it is intended that the seat should face the rear, please contact BraunAbility.

After care

Equipment storage and maintenance

Regularly inspect the T-Bolts for damage, wear or malfunction. If any problems are identified replace immediately.

Warranty

BraunAbility products are extensively tested using BraunAbility anchorage systems, and our full warranty normally only applies to BraunAbility equipment when used with BraunAbility branded anchorages or as instructed.

BraunAbility have also participated in test programs with other manufacturers anchorage products and will support warranty on the BraunAbility 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 BraunAbility products, for which BraunAbility has not participated in a joint test program, a limited BraunAbility warranty will apply.

Declaration of conformity

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Declares that the products /

TN, TN1, TN2, TN3, TNL, TNL1, TNL2,
 TNL3, TNS

Conforms to following directives standards and regulations /

2001/85/EC Annex VII Paragraphs 3.8.2.8 & 3.8.2.9
 76/115/EEC
 R.14.07
 R.107.06
 BS EN 1789:2007+A2:2014

BraunAbility, Martock, 27 March 2019



Rob Butcher
 Director of Engineering

EN
 Fit and use



Accredited by URS as testing laboratory in accordance with ISO/IEC 17025:2005
 Quality system certified in accordance with ISO 9001:2008

Illustrations, descriptions and specifications in the user manual are based on current product information. BraunAbility UK Ltd reserves the right to make alterations without previous notice.

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