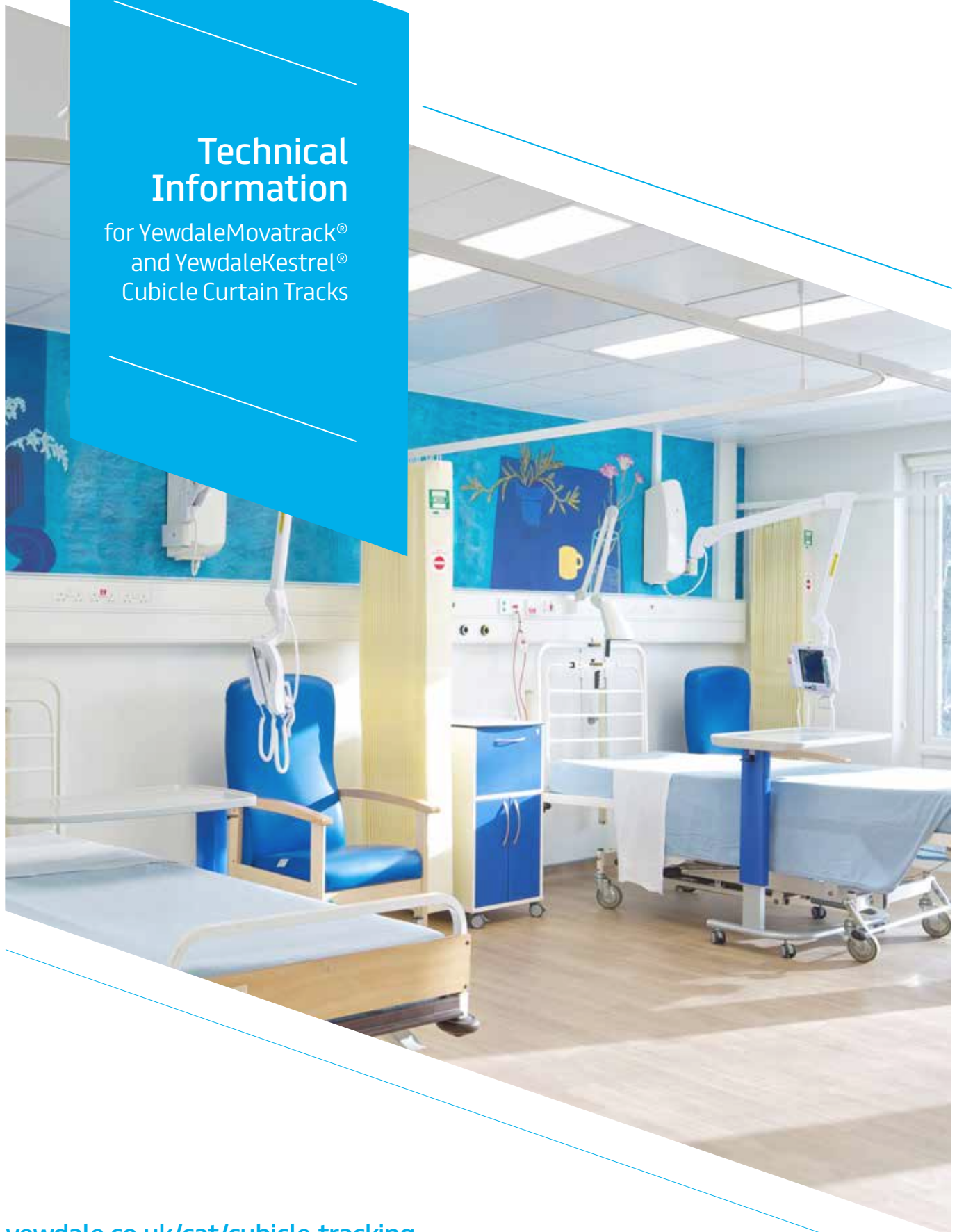


Technical Information

for YewdaleMovatrack[®]
and YewdaleKestrel[®]
Cubicle Curtain Tracks





Your guide to all things YewdaleMovatrack® and YewdaleKestrel®

This technical manual will help you to understand the workings of YewdaleMovatrack® and the various components that make up the system.

YewdaleMovatrack® has proven time and time again that if used and fitted correctly, it will give many years of use in the most demanding environments.

Please use this manual to help you specify, manufacture and install YewdaleMovatrack® successfully.

This manual has been split into eight sections 1-8. At the front of sections 2,3,4,5,6 & 7 is an isometric drawing of the track, showing the individual parts. For more detail on how and where to fit, refer to the diagrams that corresponds to the numbered part on the isometric drawing.

For further information please contact our technical team on 01268 570900 or email your enquiries to technical@yewdale.co.uk.

4 **Section 1**

Track and hook dimensions

5 - 17 **Section 2**

YewdaleMovatrack[®] Cubicle Curtain Track 100 isometric views with sheet references, plans and technical illustrations

19 - 29 **Section 3**

YewdaleMovatrack[®] Mobile System 101 isometric views with sheet references, plans and technical illustrations

31 - 36 **Section 4**

YewdaleMovatrack[®] IV 200 overhead intravenous track system isometric views with sheet references and technical illustrations

37 - 43 **Section 5**

YewdaleMovatrack[®] IV400 overhead intravenous track system isometric views with sheet references, plans and illustrations

45 - 56 **Section 6**

YewdaleMovatrack[®] Cubicle Curtain Track 100 with YewdaleKestrel[®] Magnetic Suspension System isometric views with sheet references, plans and technical illustrations

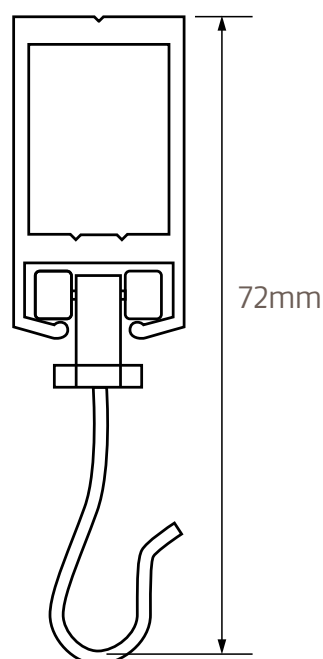
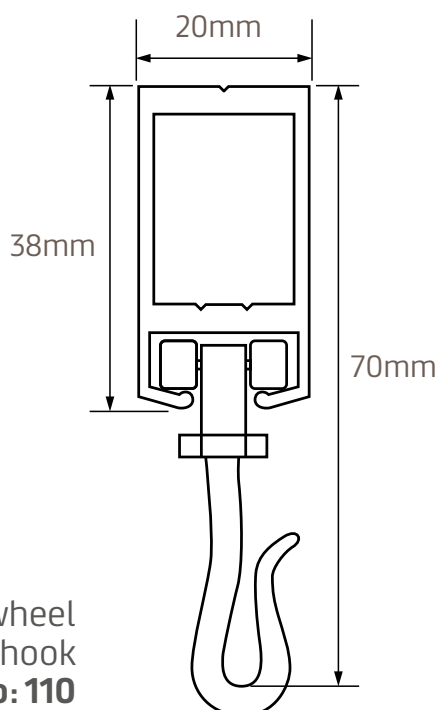
57 - 61 **Section 7**

Load testing information and warnings

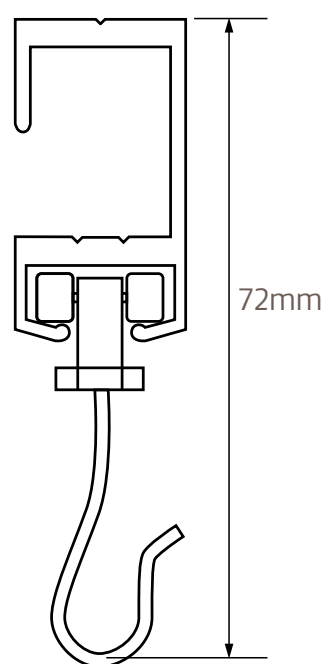
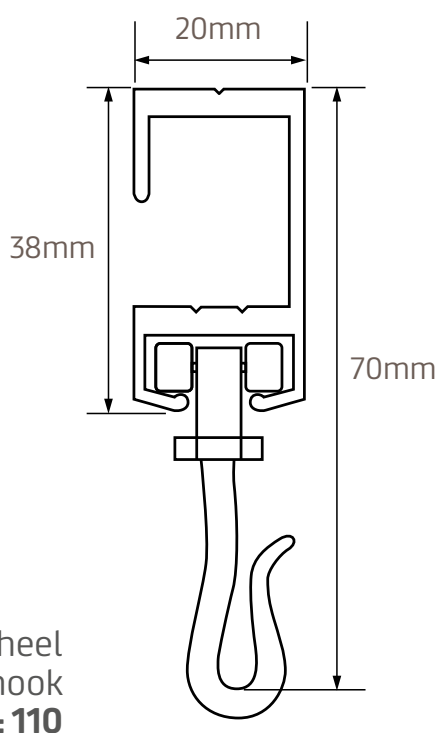
62 - 63 **Section 8**

Recommended fixing details

System 100 Track and Hook dimensions



System 101 Track and Hook dimensions

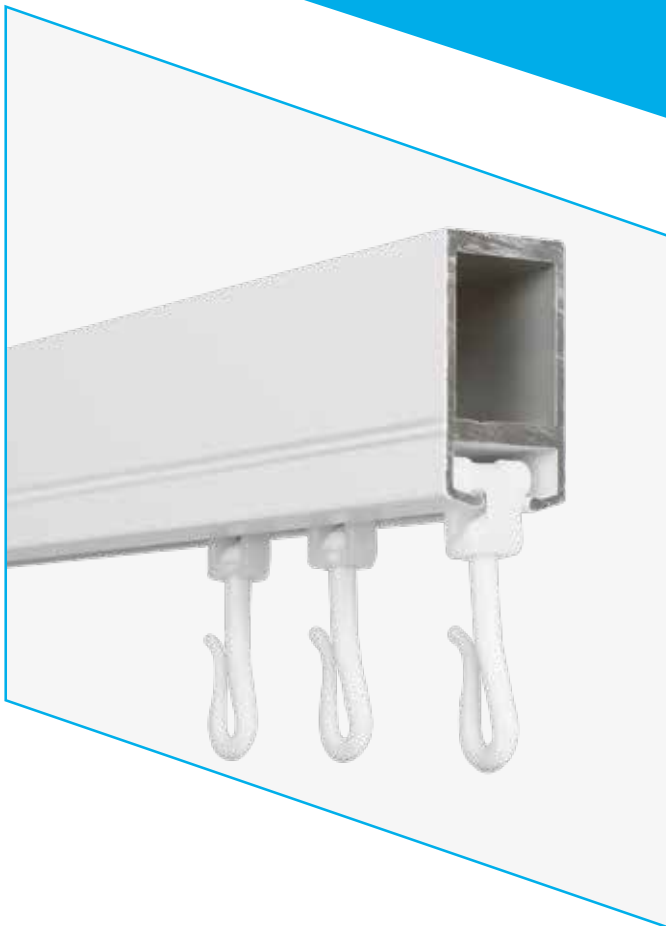


100 Cubicle Curtain Track

06 **SUSPENDED CUBICLE CURTAIN TRACK**
100 Cubicle Curtain Track

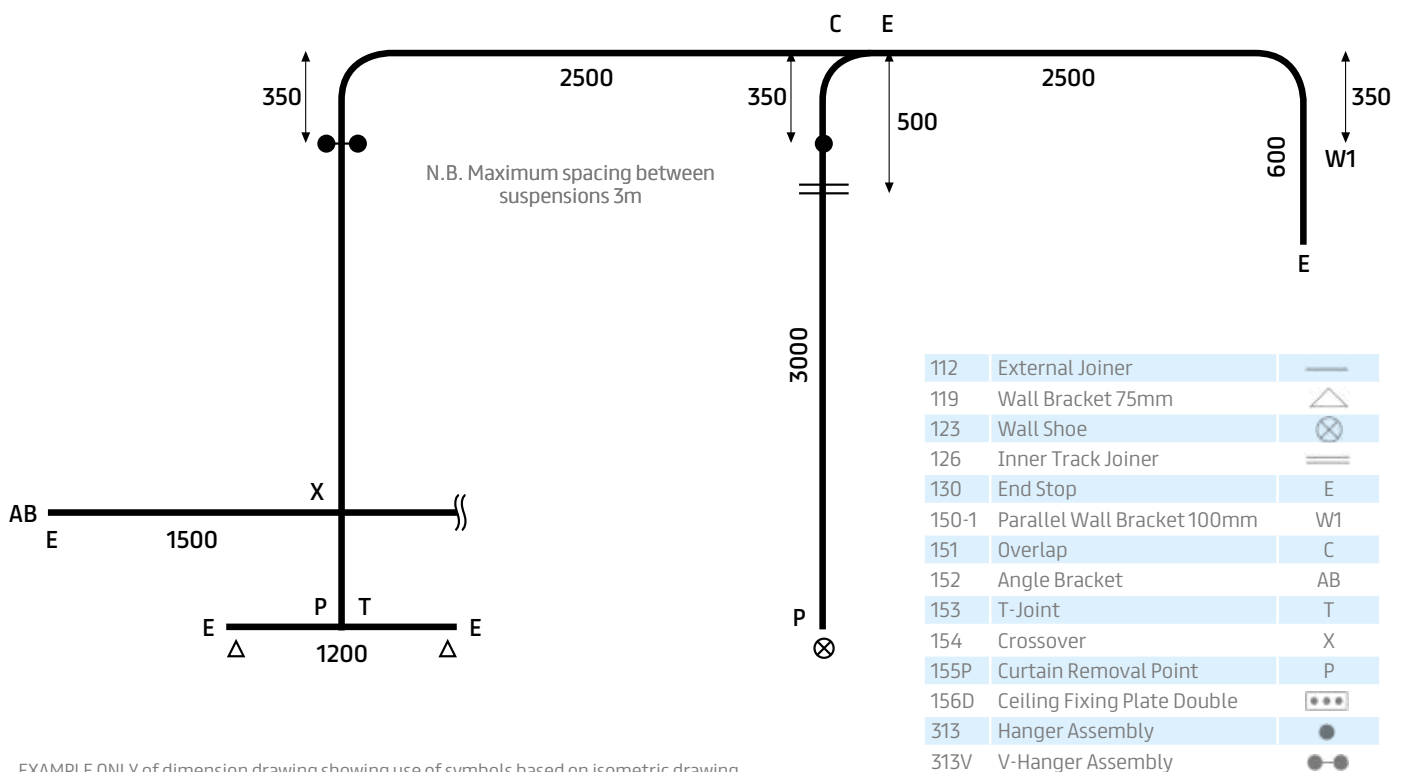
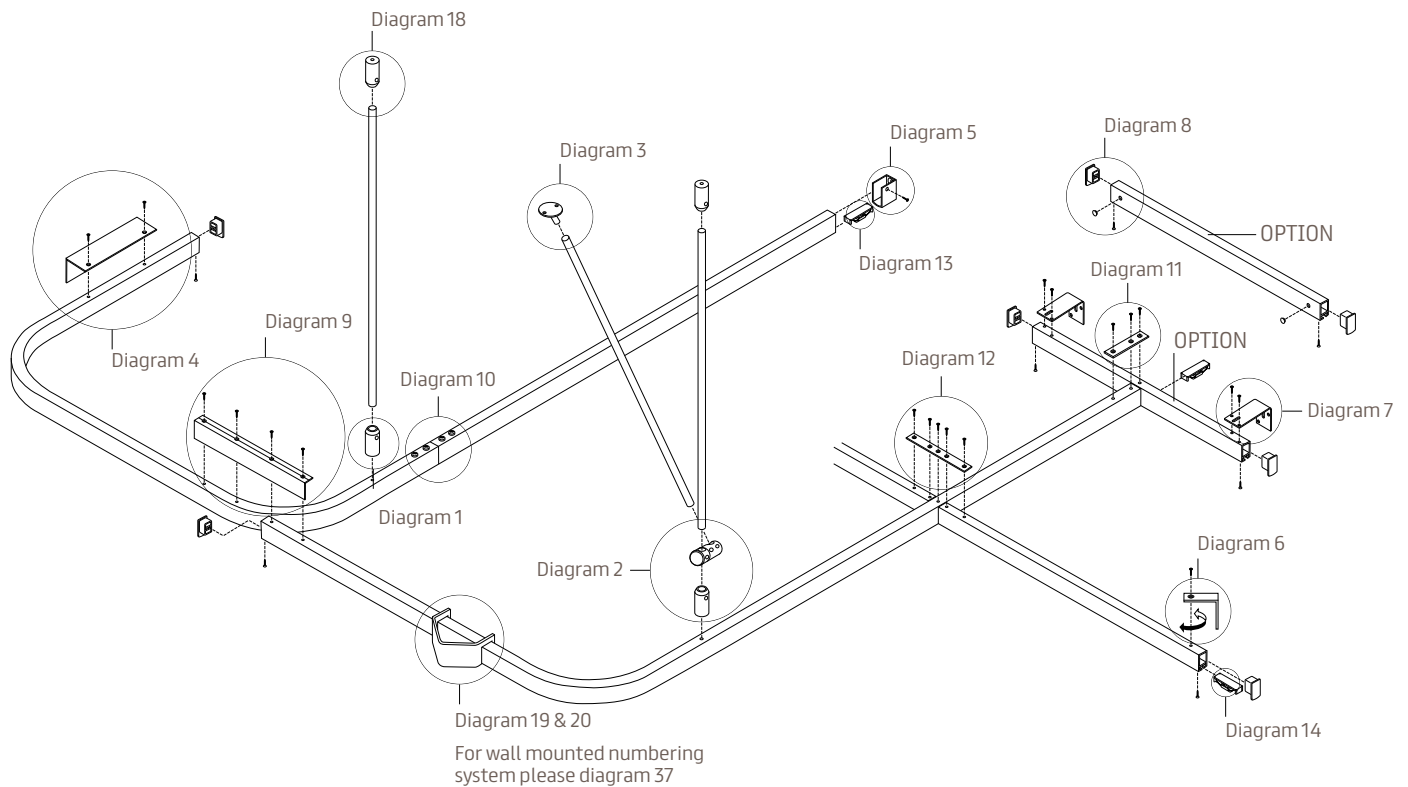
07 **DIRECT CEILING FIX CUBICLE CURTAIN TRACK**
100 Cubicle Curtain Track

08 **DIAGRAMS**
100 Cubicle Curtain Track



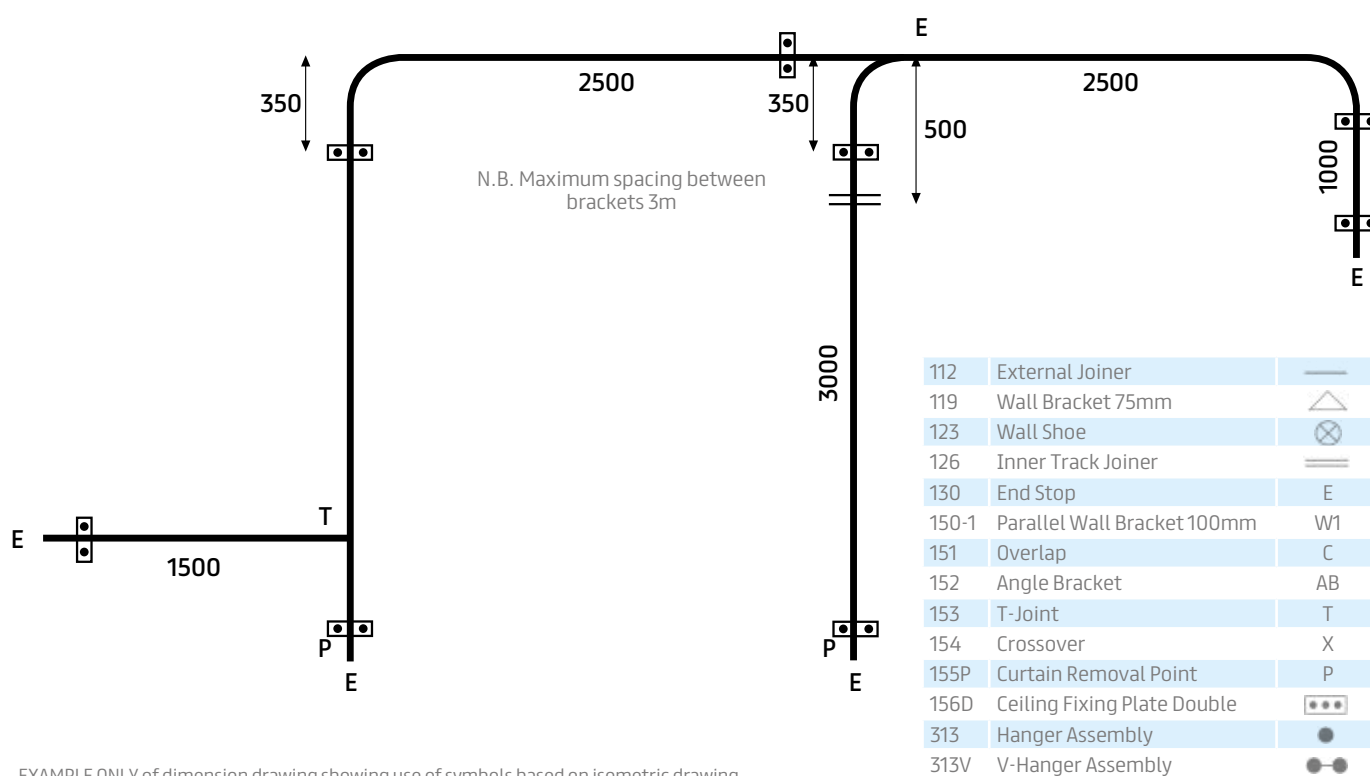
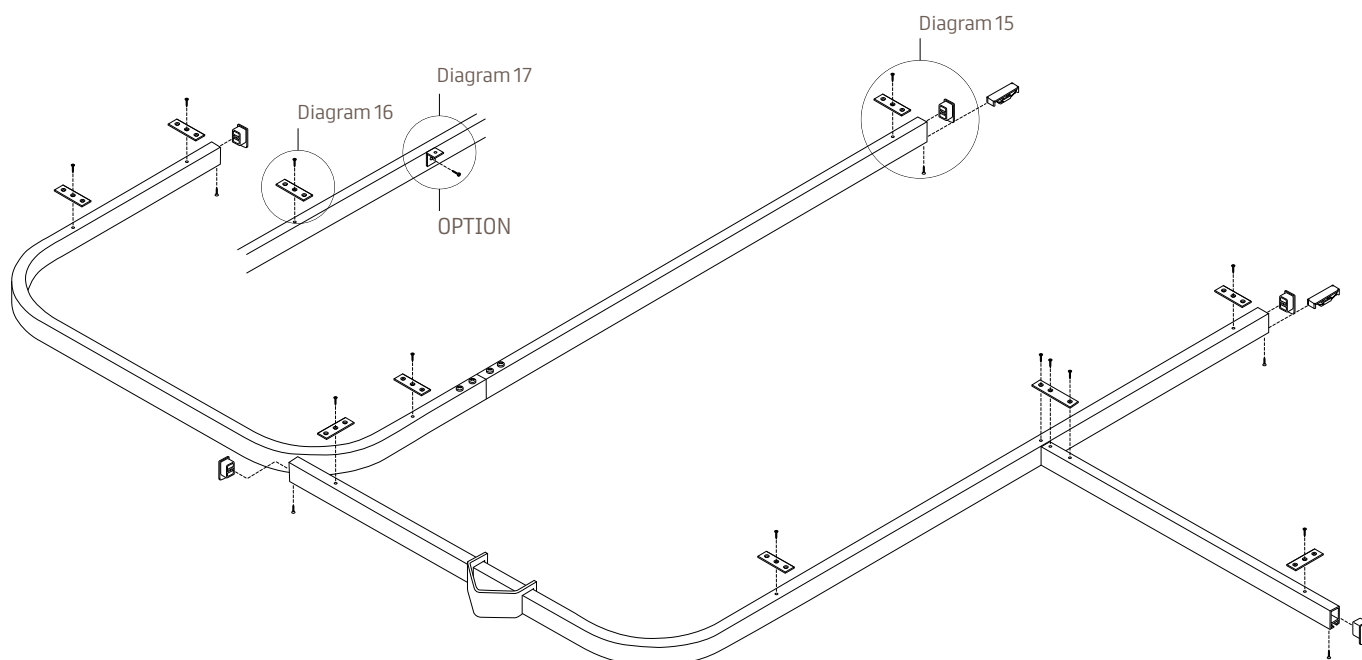
100 Cubicle Curtain Track

Suspended Cubicle Curtain Track



EXAMPLE ONLY of dimension drawing showing use of symbols based on isometric drawing

Direct ceiling fix Cubicle Curtain Track



EXAMPLE ONLY of dimension drawing showing use of symbols based on isometric drawing

100 Cubicle Curtain Track

Diagram 1

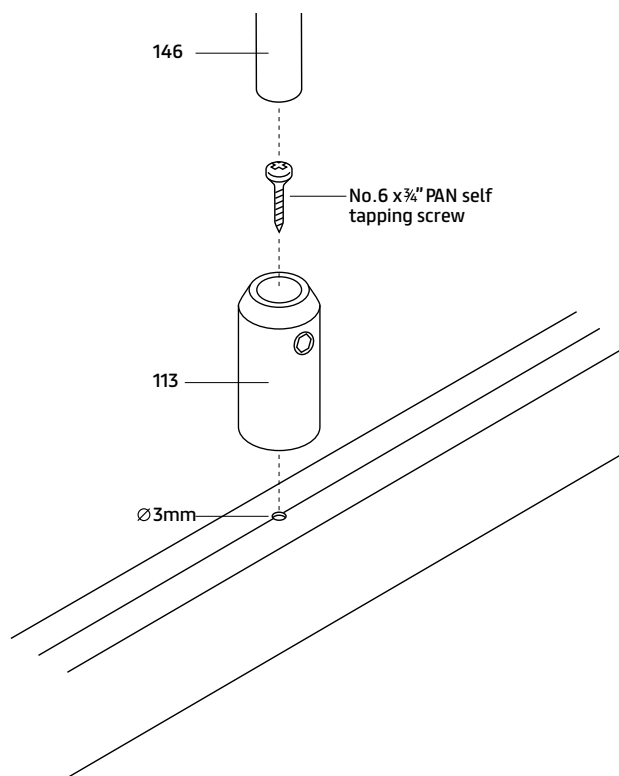


Diagram 2

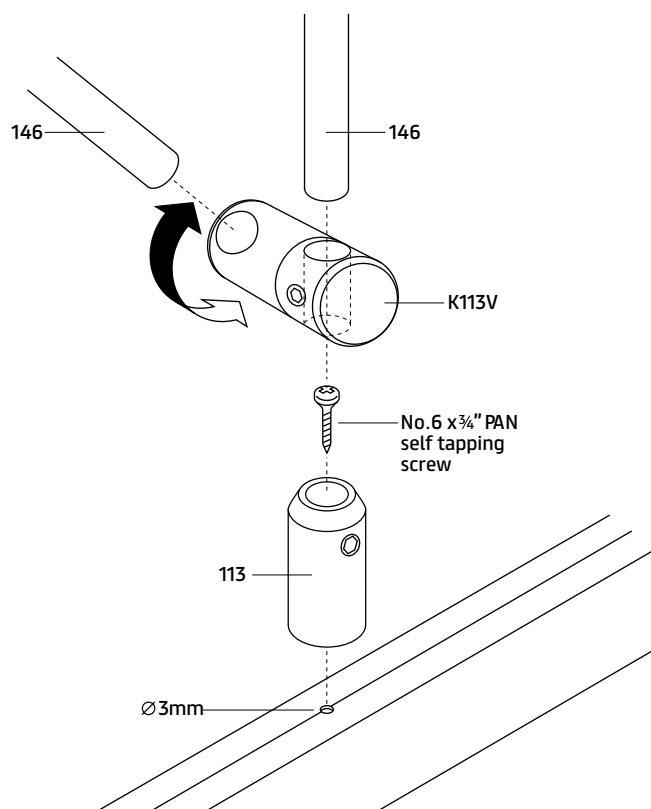


Diagram 3

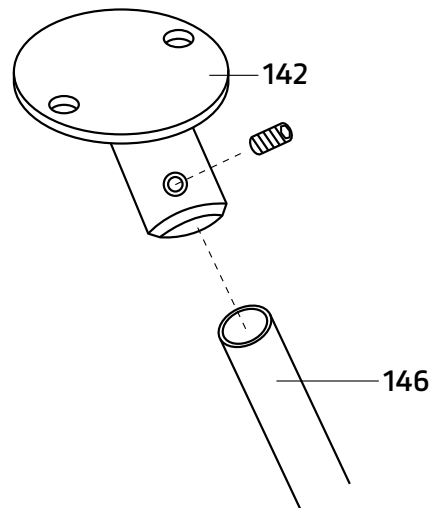
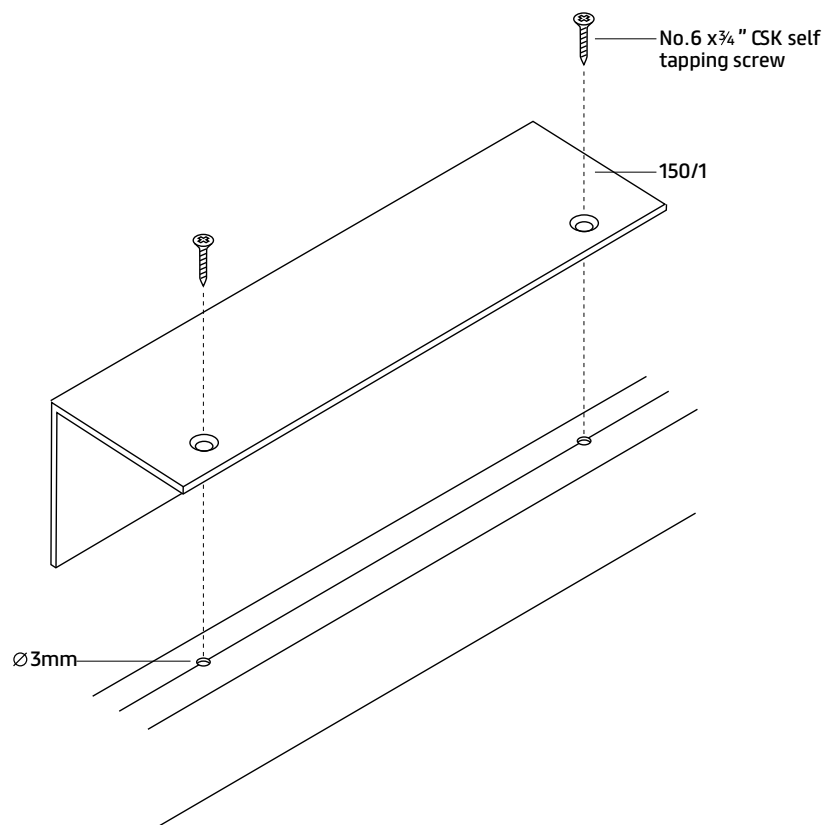


Diagram 4



100 Cubicle Curtain Track

Diagram 5

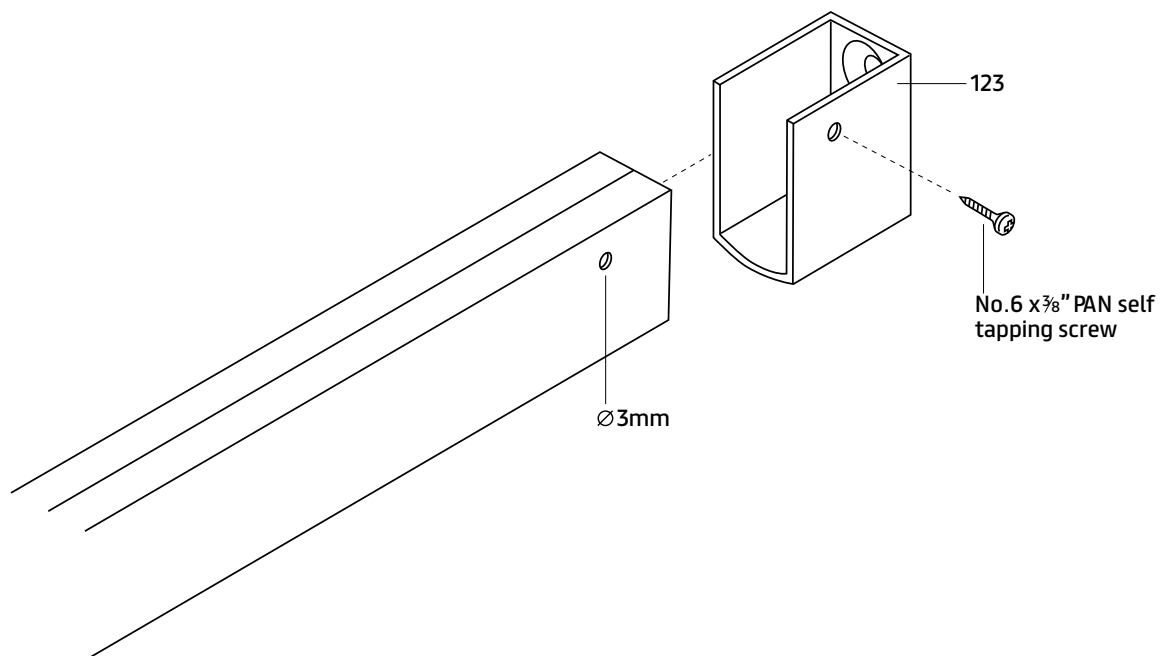


Diagram 6

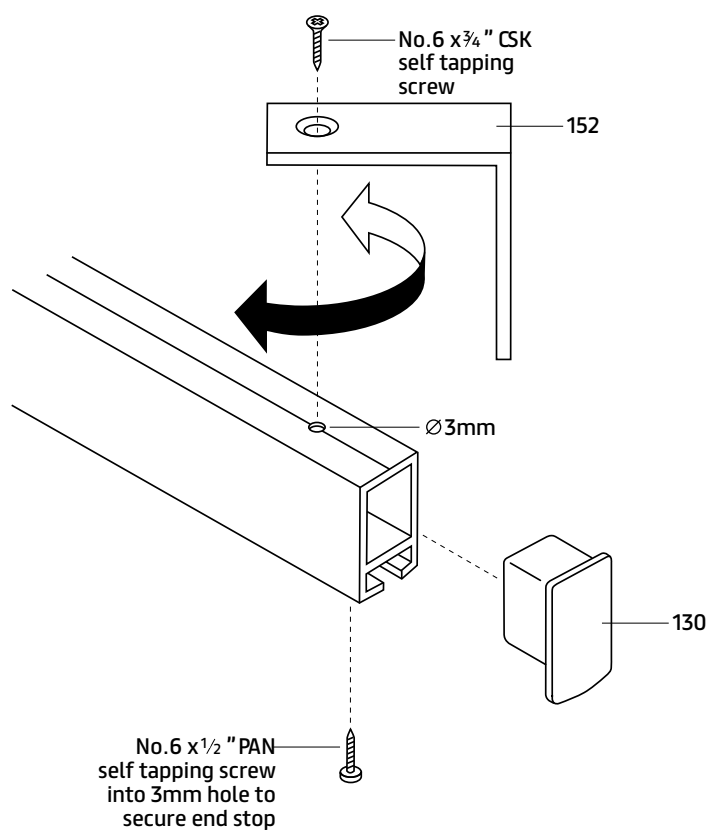


Diagram 7

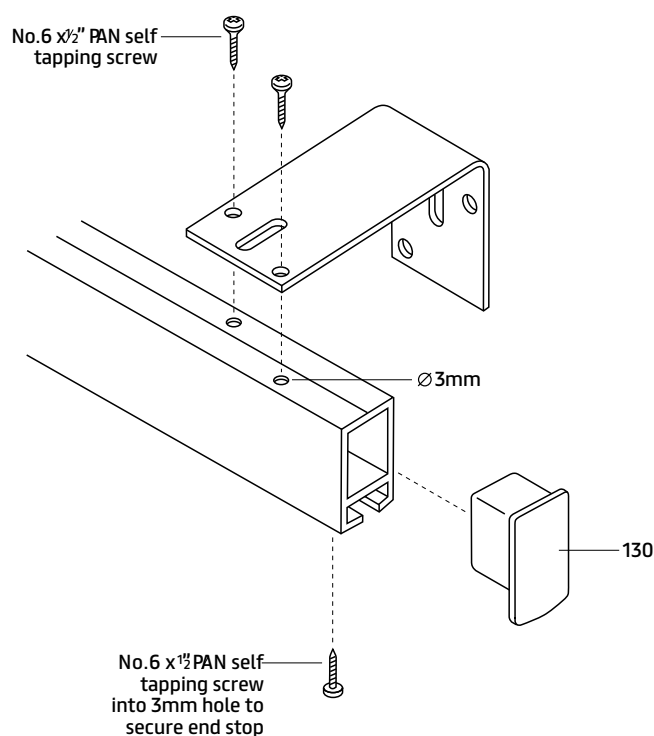
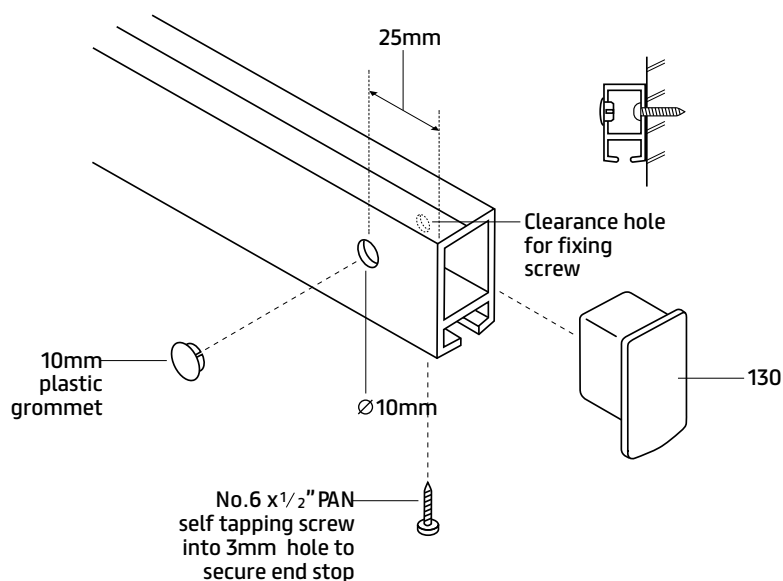


Diagram 8



100 Cubicle Curtain Track

Diagram 9

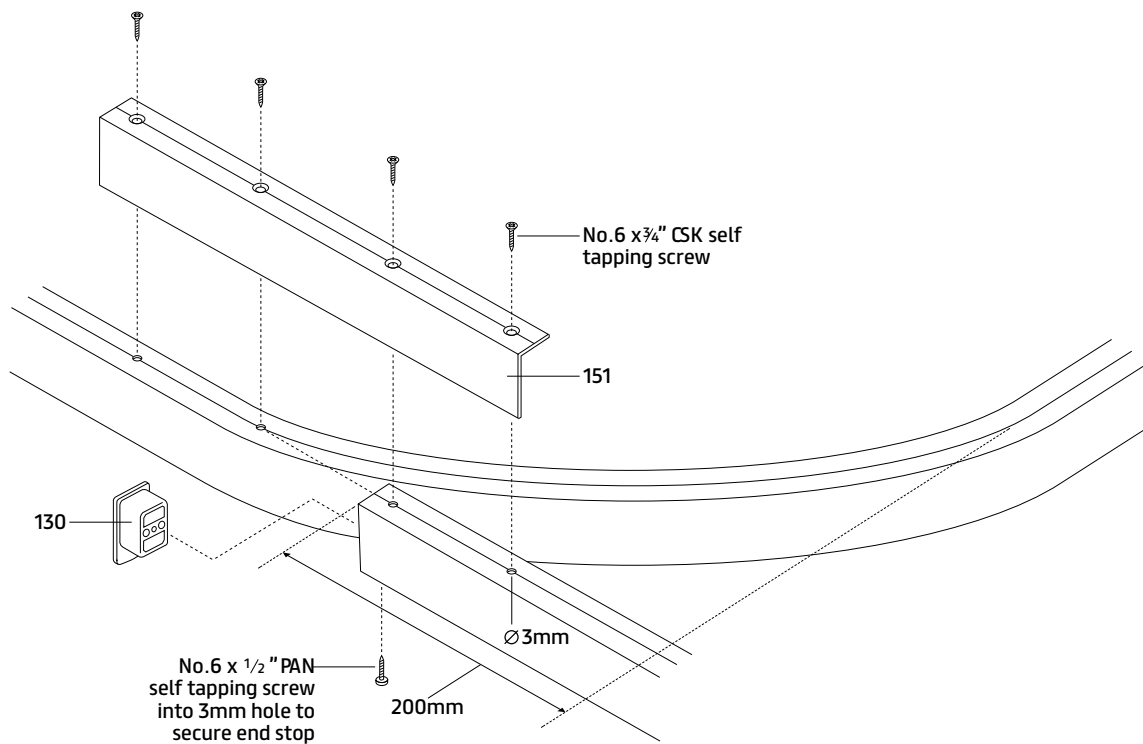


Diagram 10

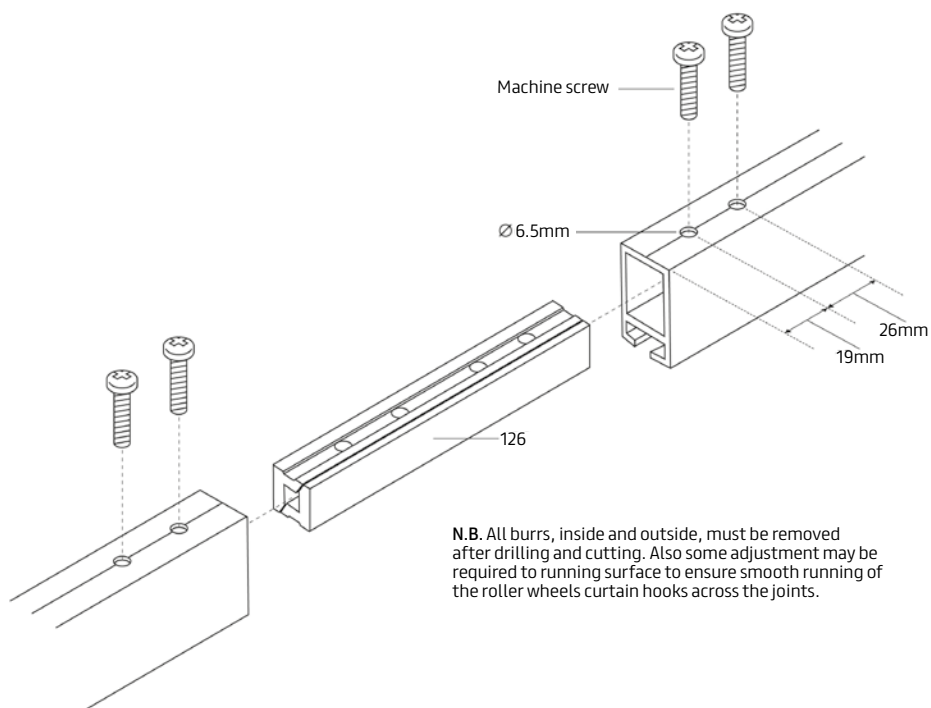


Diagram 11

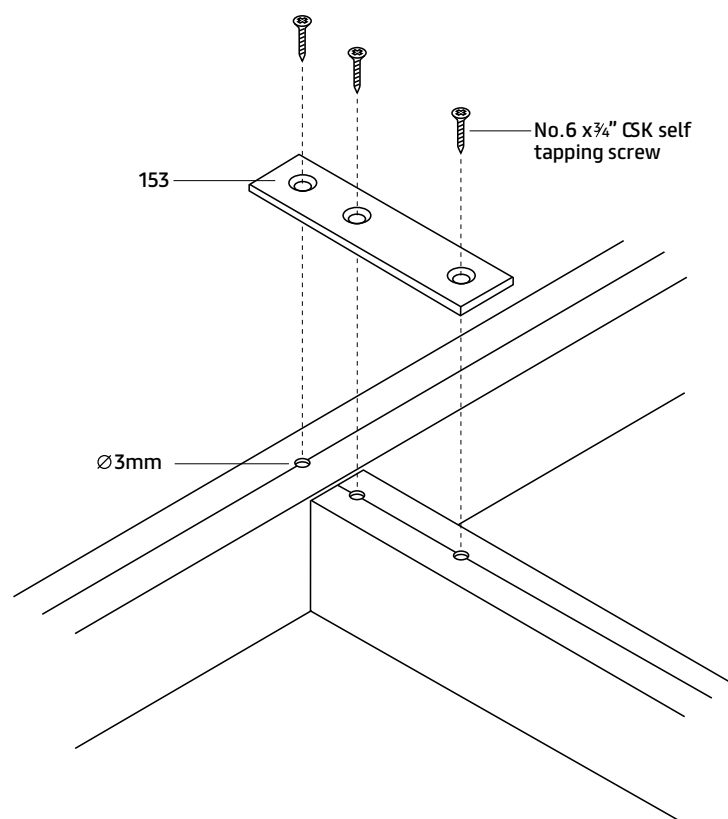


Diagram 12

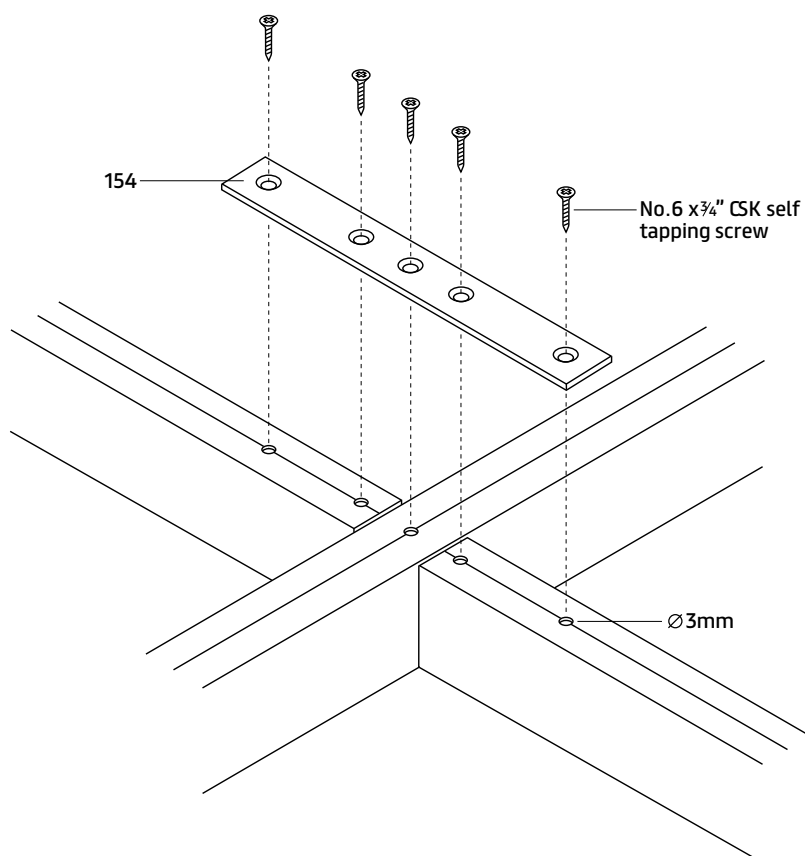


Diagram 13

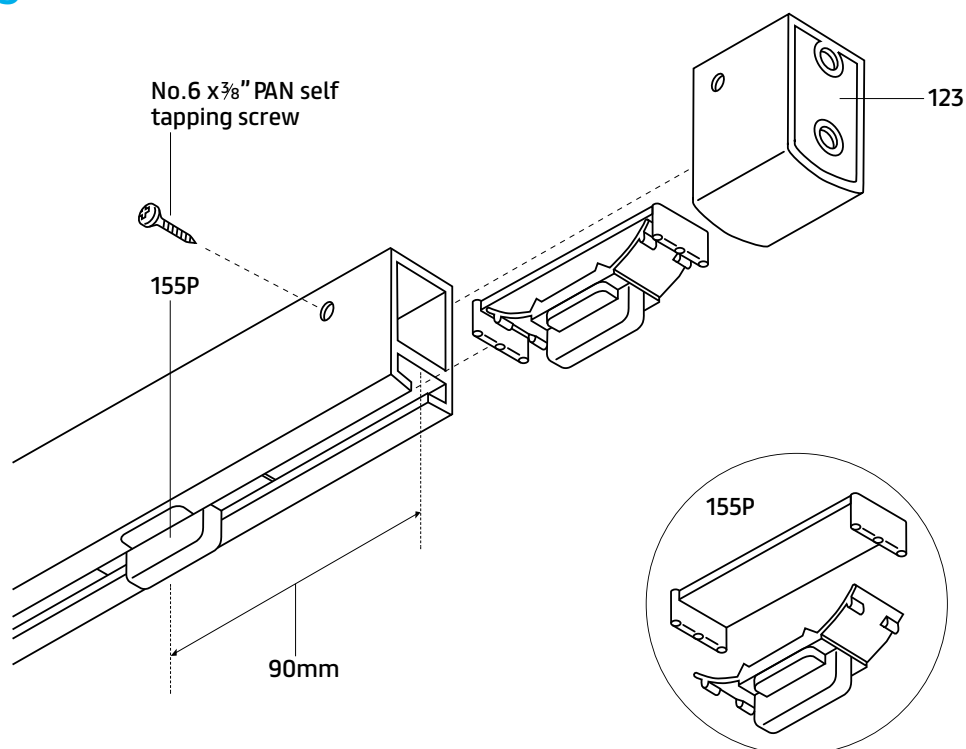


Diagram 14

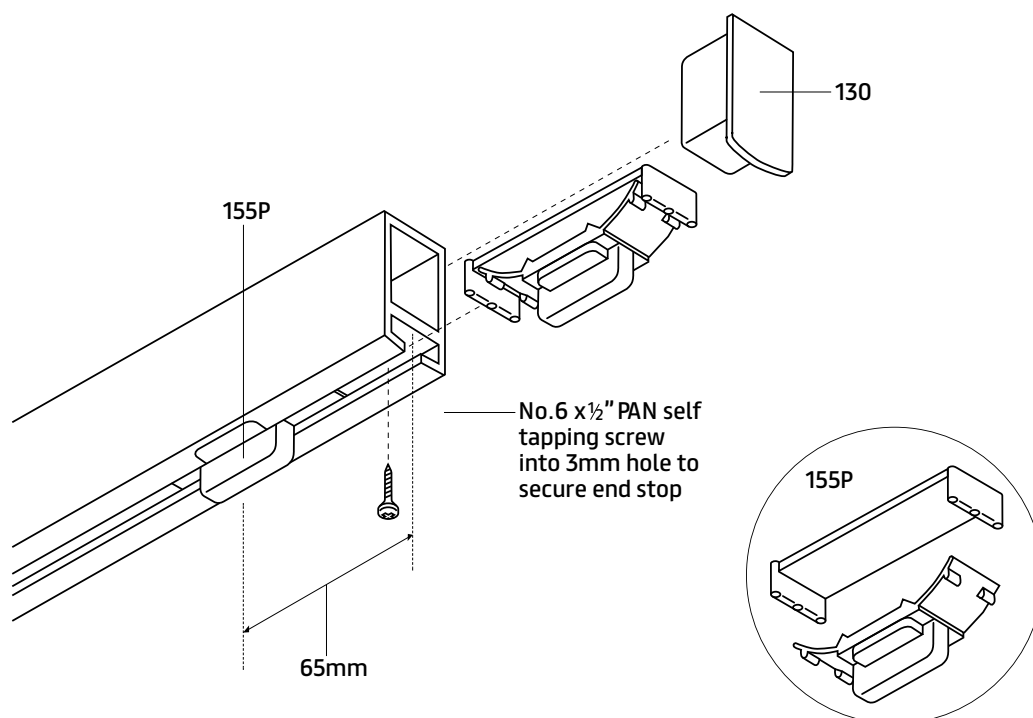


Diagram 15

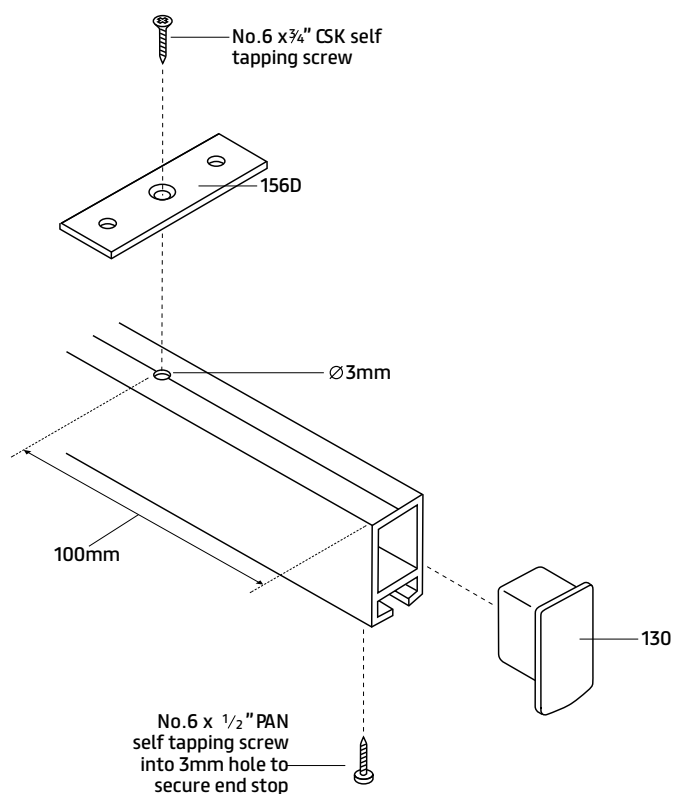


Diagram 16

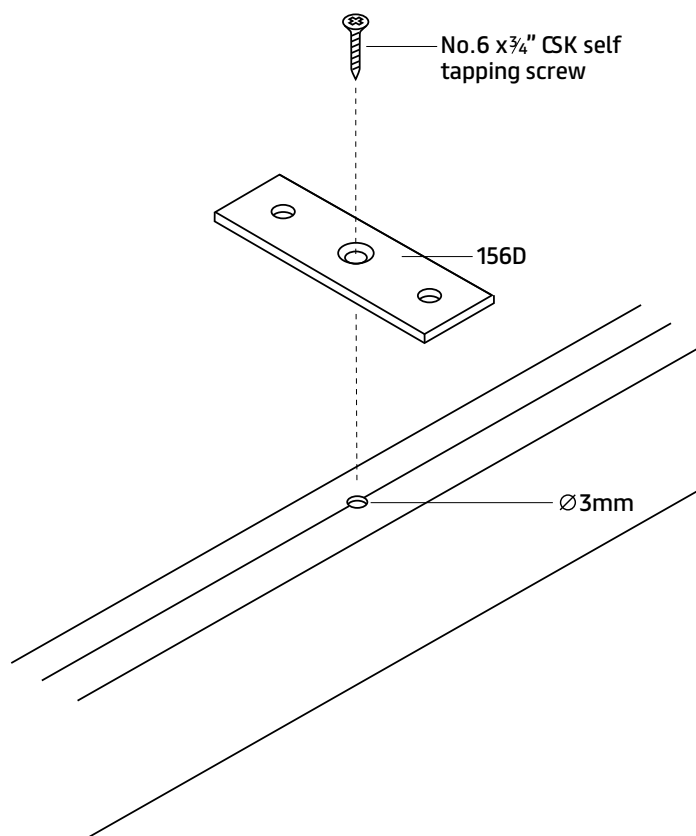


Diagram 17

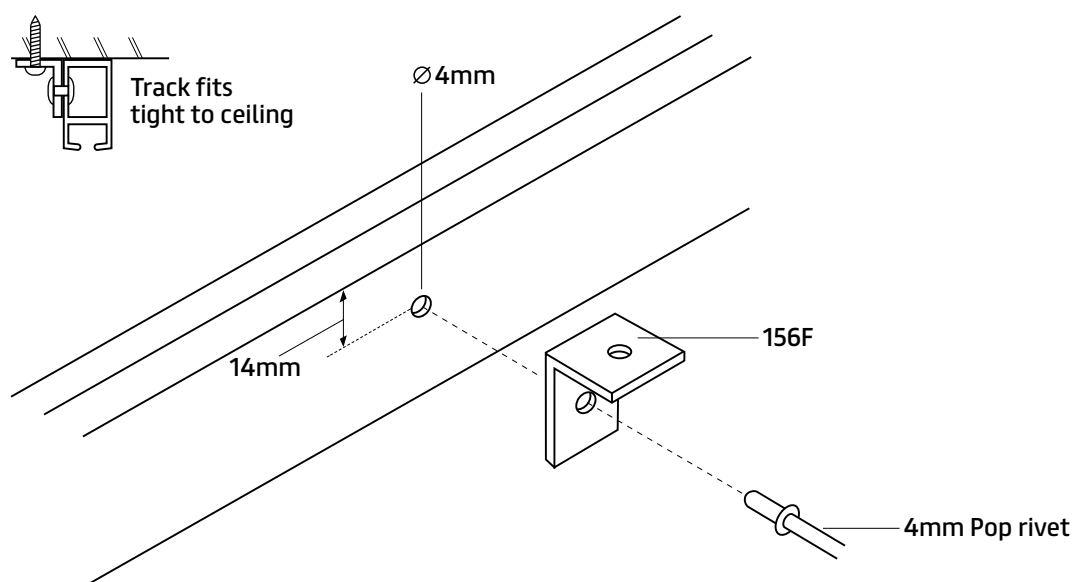


Diagram 18

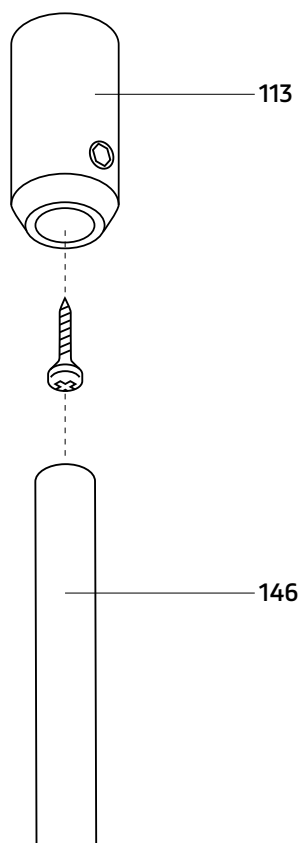


Diagram 19

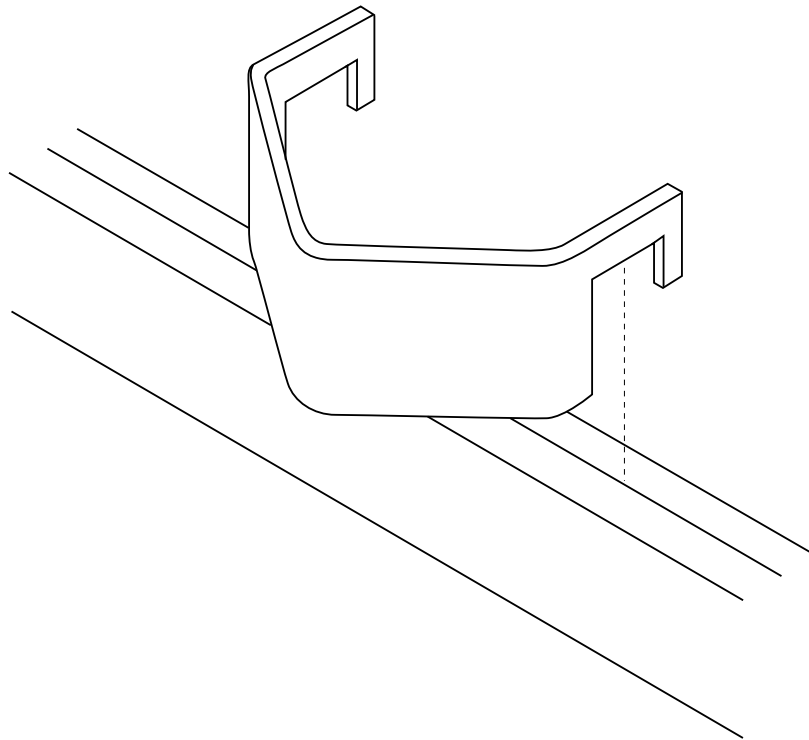
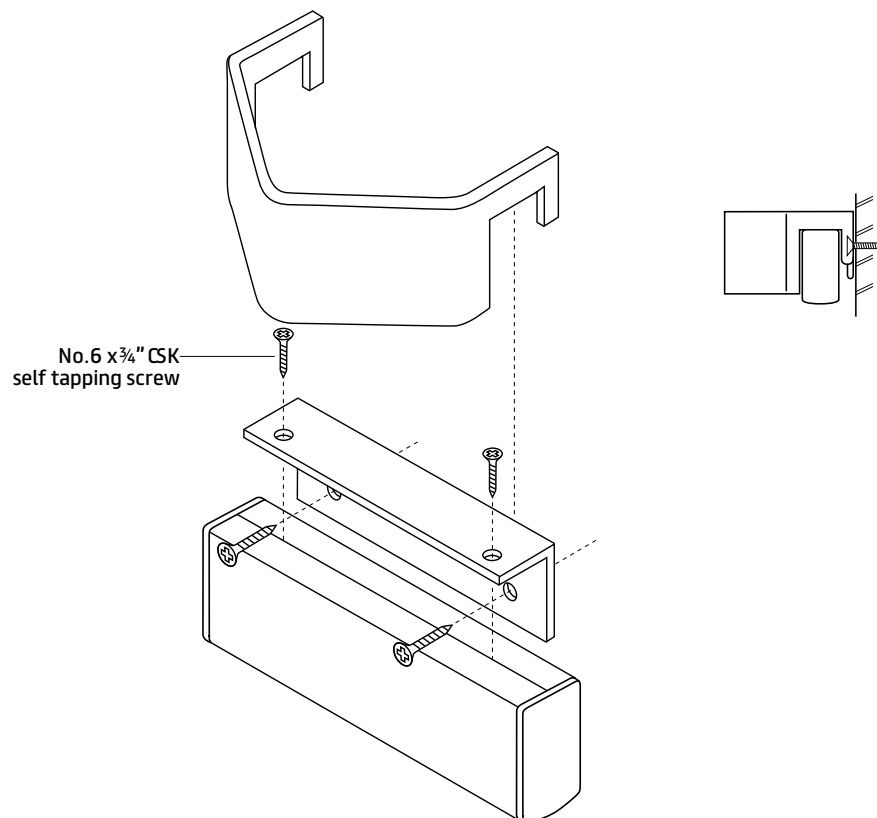


Diagram 20



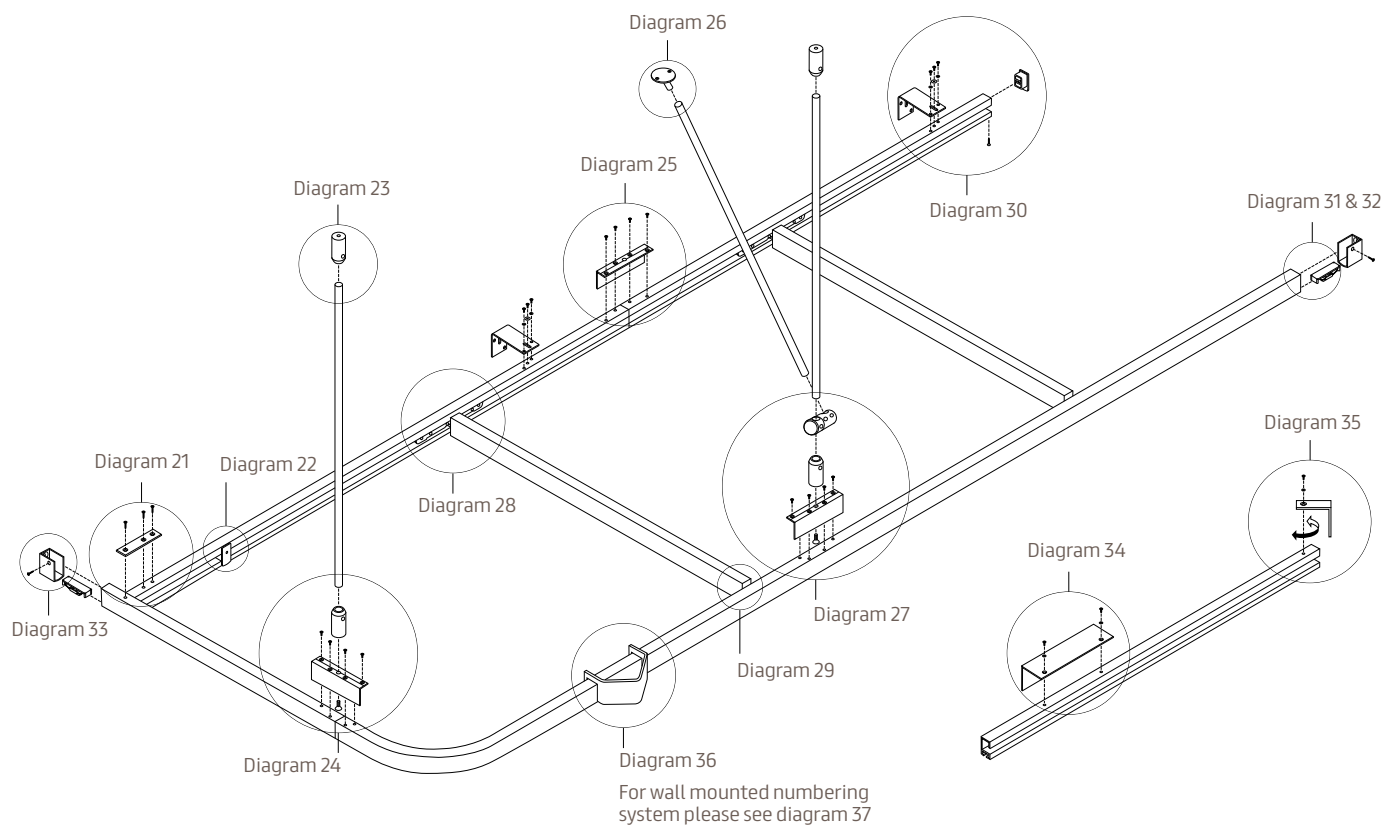


101 Mobile Cubicle Track

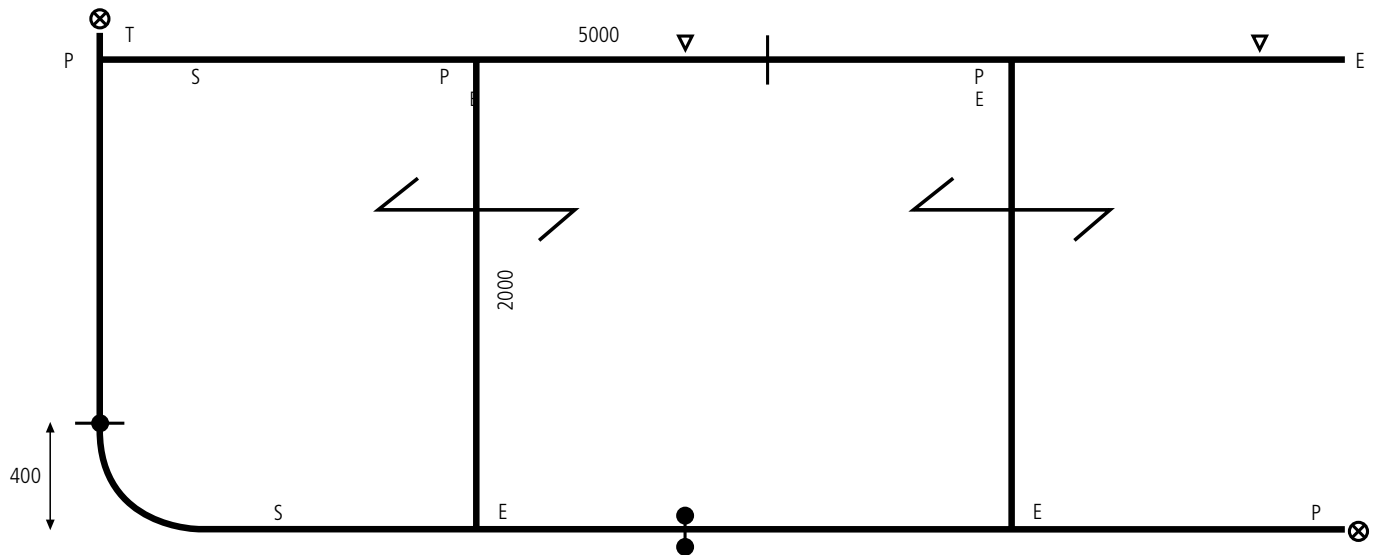
- 20 **MOBILE CUBICLE CURTAIN TRACK**
101 Cubicle Curtain Track
- 21 **MOBILE CUBICLE CURTAIN TRACK ISOMETRIC**
101 Mobile Cubicle Track
- 22 **DIAGRAMS**
101 Mobile Cubicle Track









Mobile Cubicle Curtain Track



Mobile Cubicle Curtain Track isometric



- Spacing between support on front and back track
2m - 2.5m depending on projection
- Projection 3m maximum
- Every hanger requires external joiners

| | | |
|------|-----------------------|---|
| 112 | External Joiner |  |
| 119 | Wall Bracket 75mm |  |
| 123 | Wall Shoe |  |
| 130 | End Stop | E |
| 130S | Traverse Stop | S |
| 153 | T-Joint | T |
| 155P | Curtain Removal Point | P |
| 313 | Hanger Assembly |  |
| 313V | V-Hanger Assembly |  |
| | Mobile |  |

EXAMPLE ONLY of dimension drawing showing use of symbols based on isometric drawing

Diagram 21

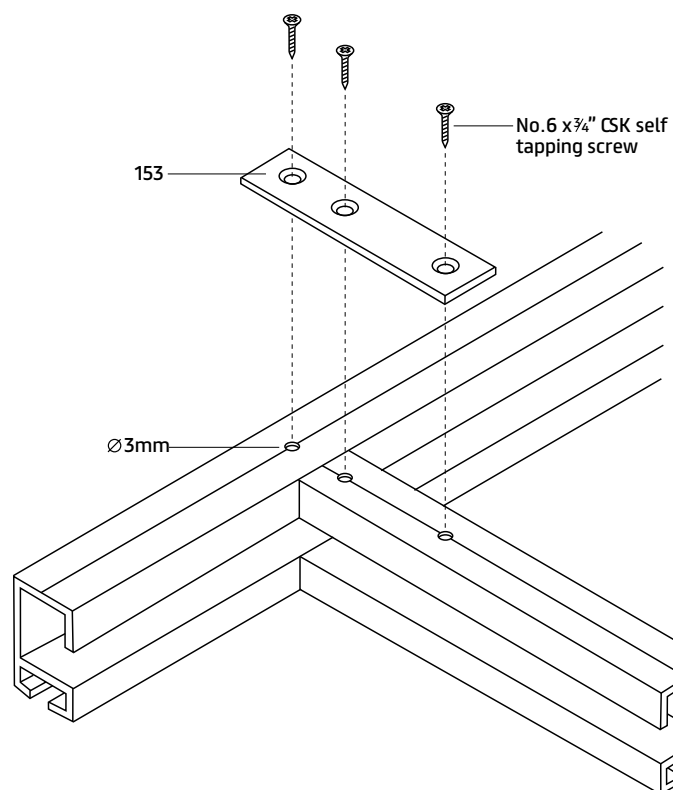


Diagram 22

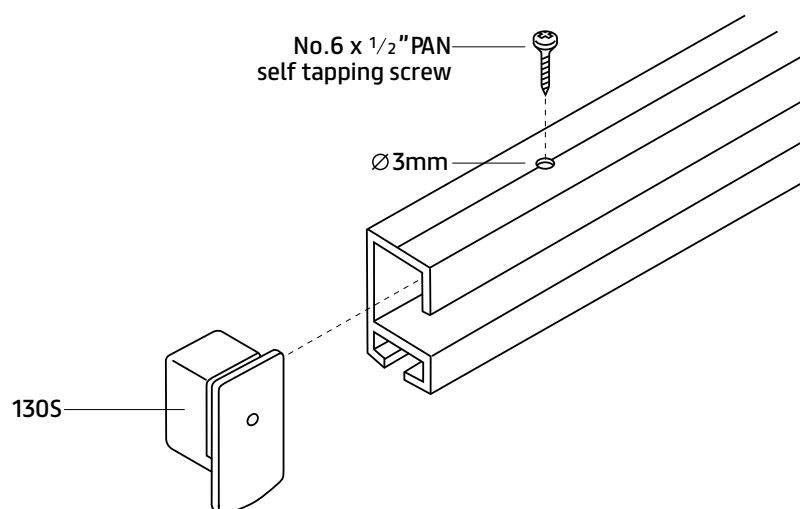


Diagram 23

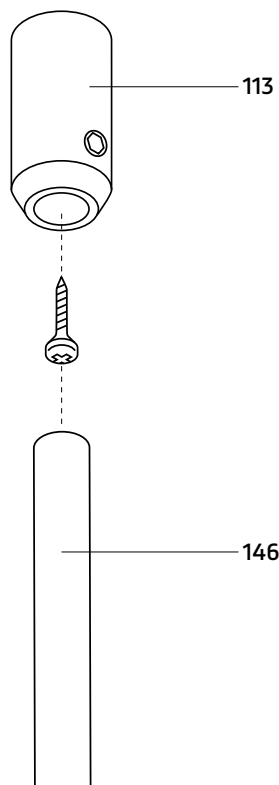


Diagram 24

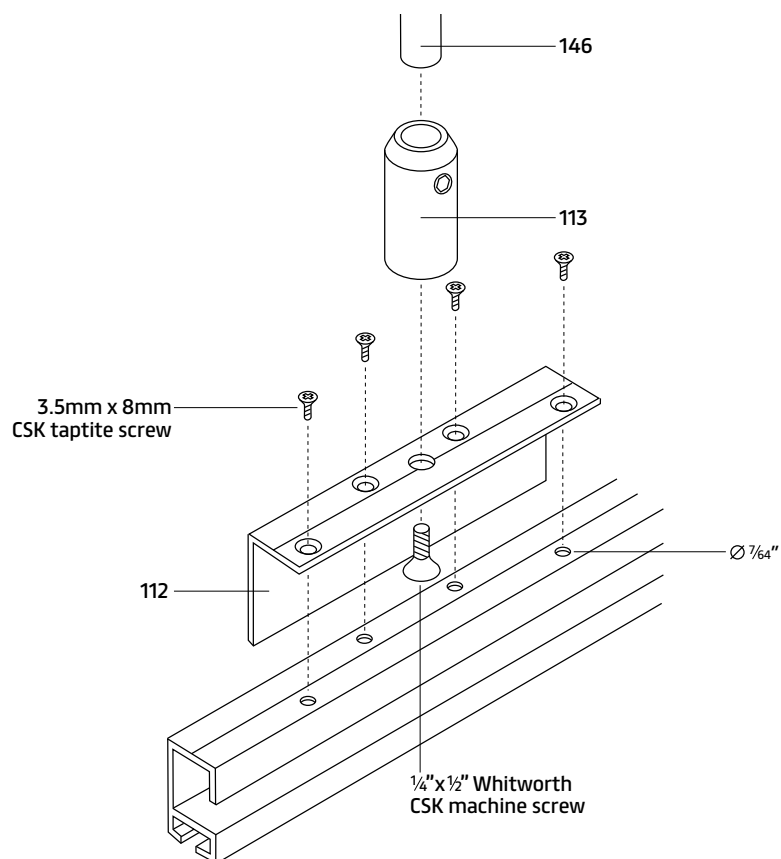


Diagram 25

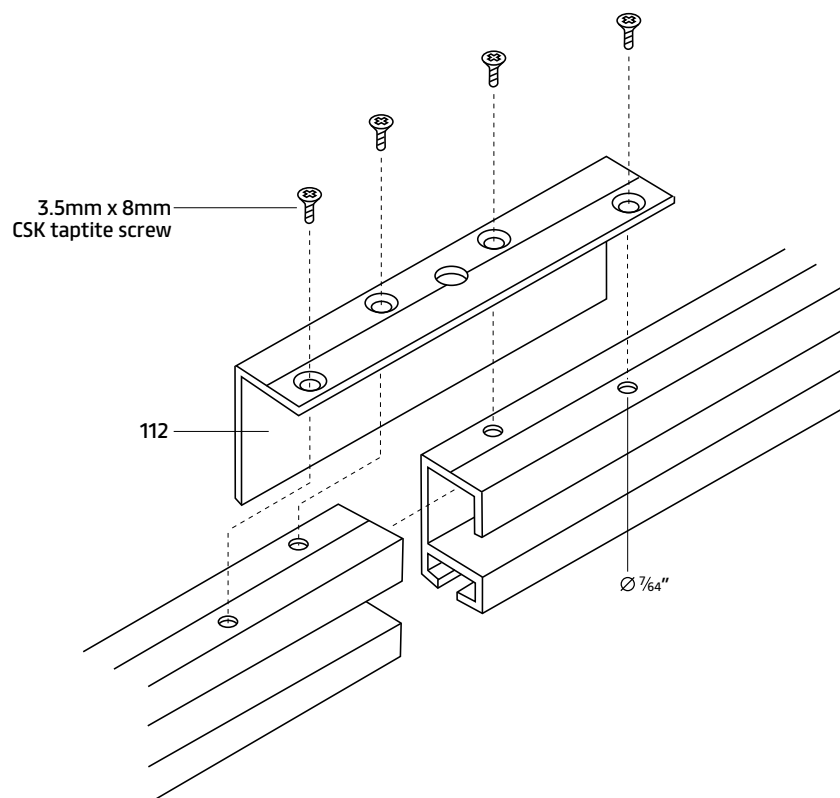


Diagram 26

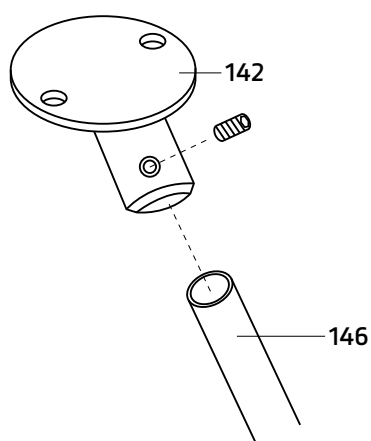


Diagram 27

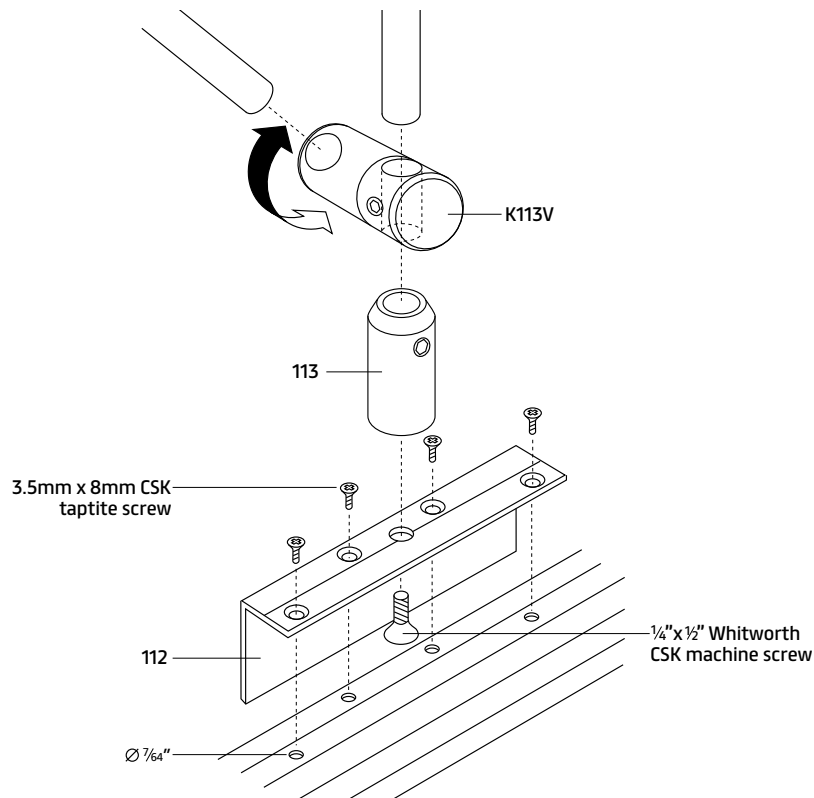


Diagram 28

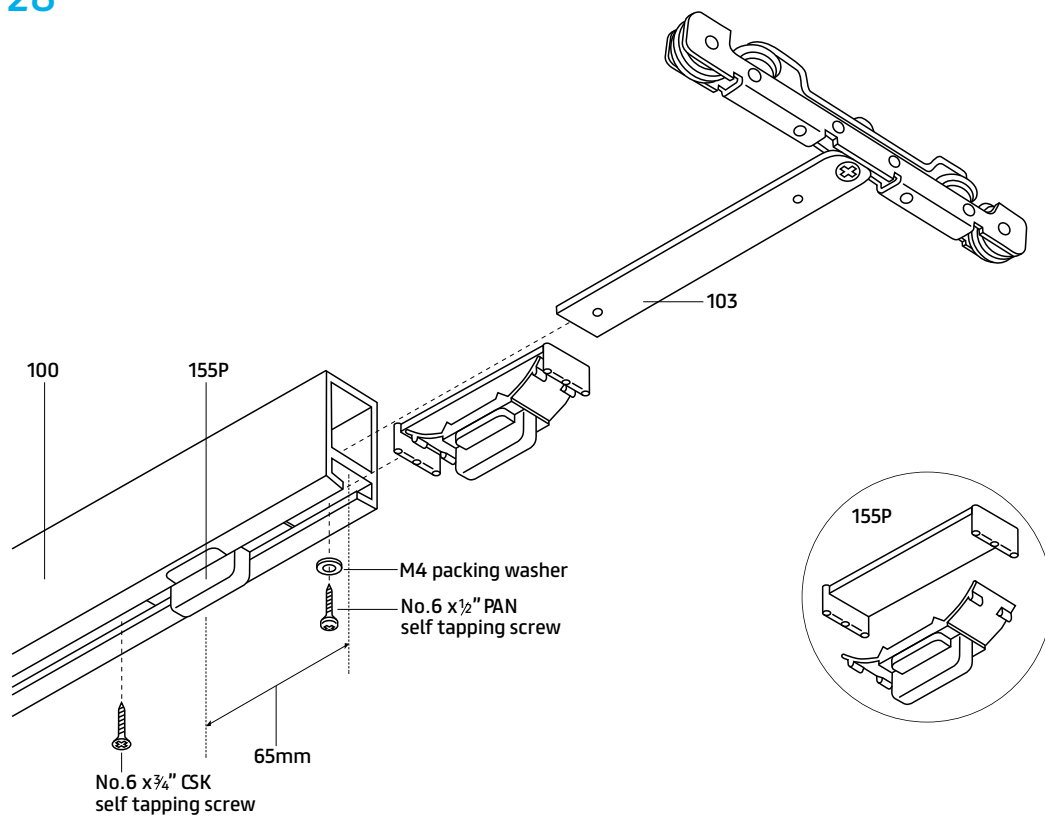


Diagram 29

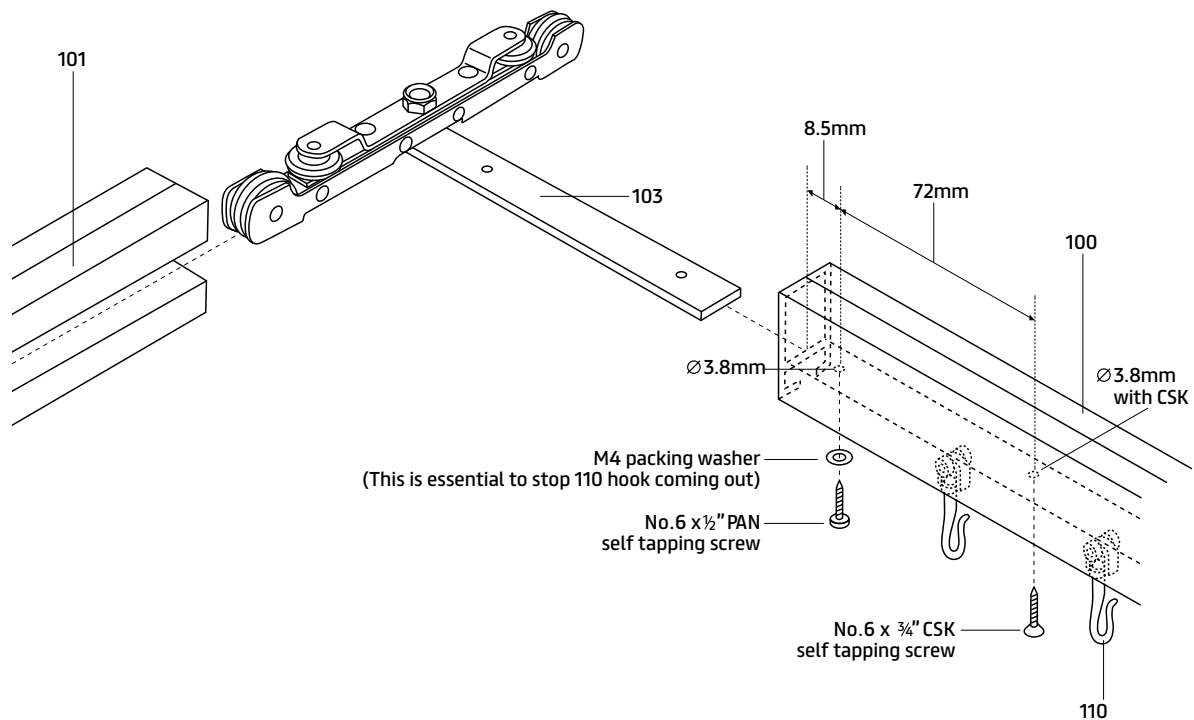


Diagram 30

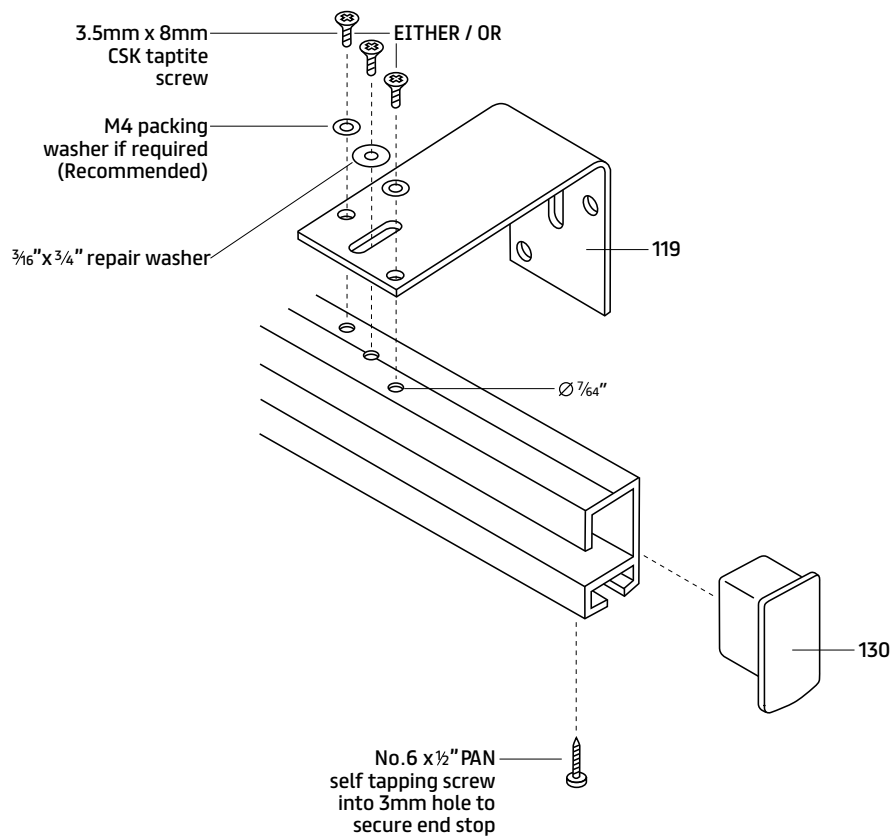


Diagram 31

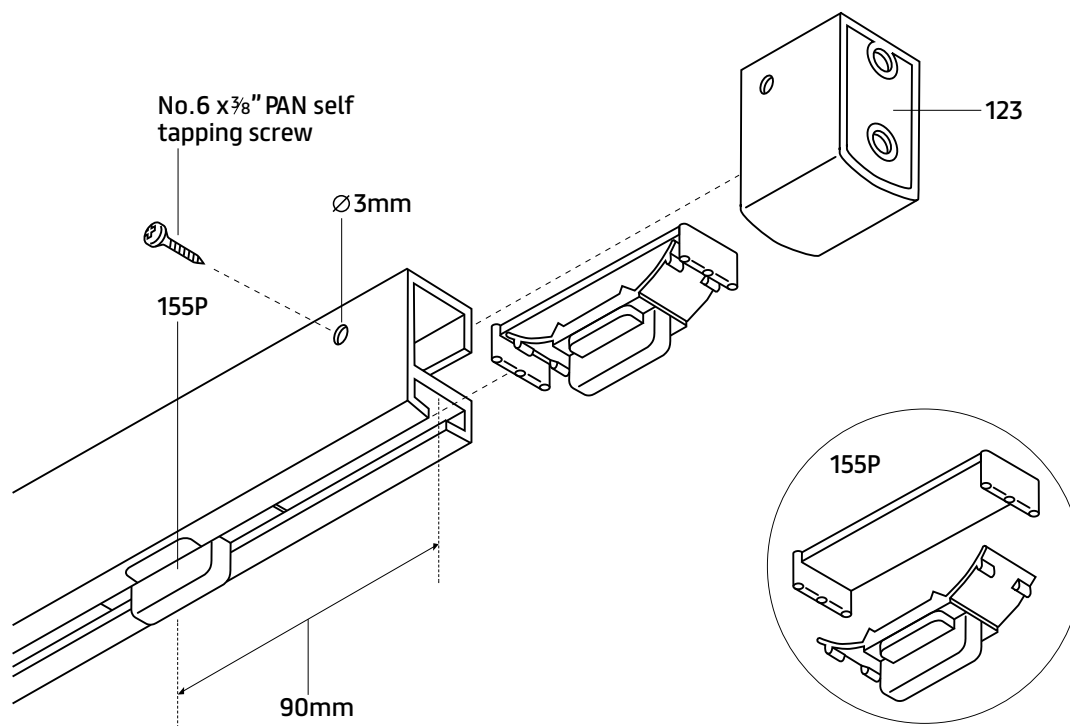


Diagram 32

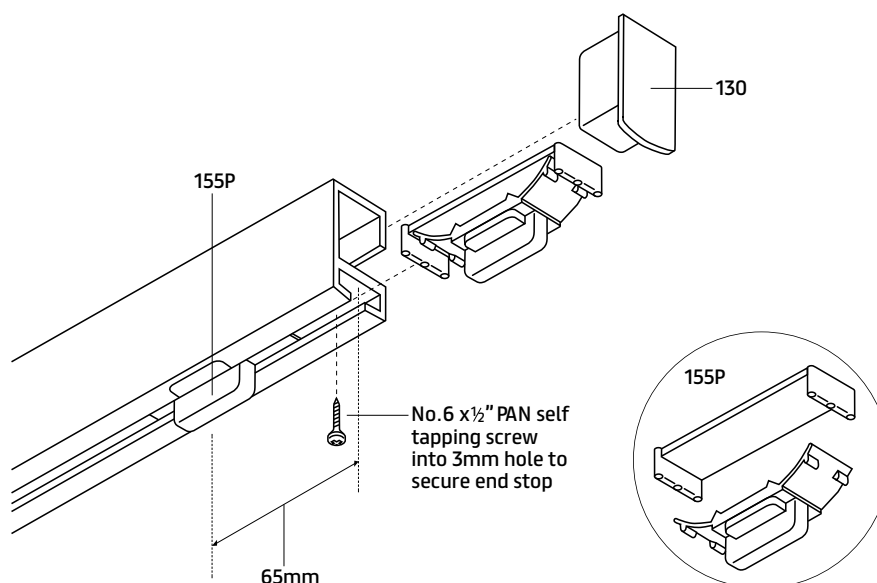


Diagram 33

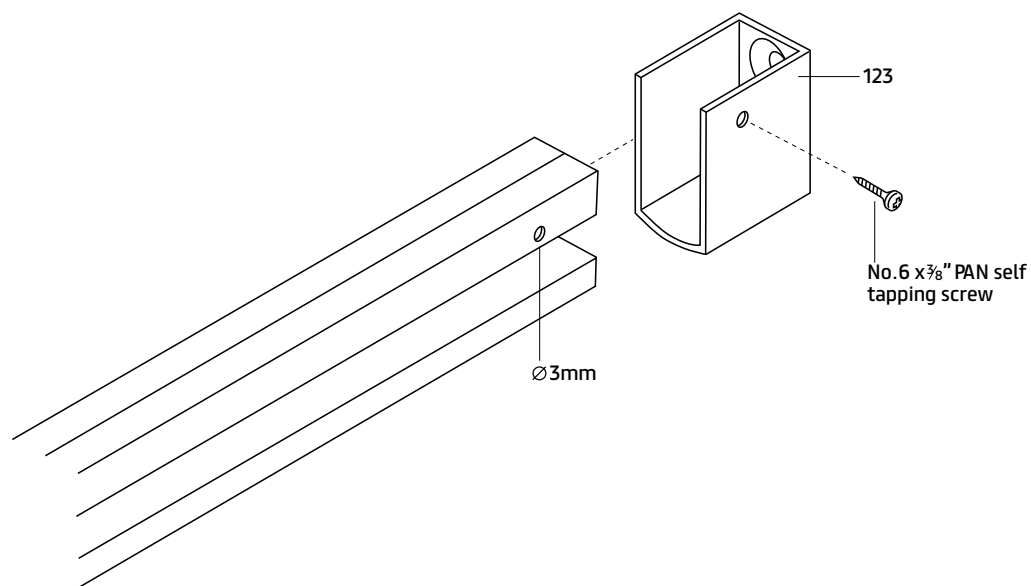


Diagram 34

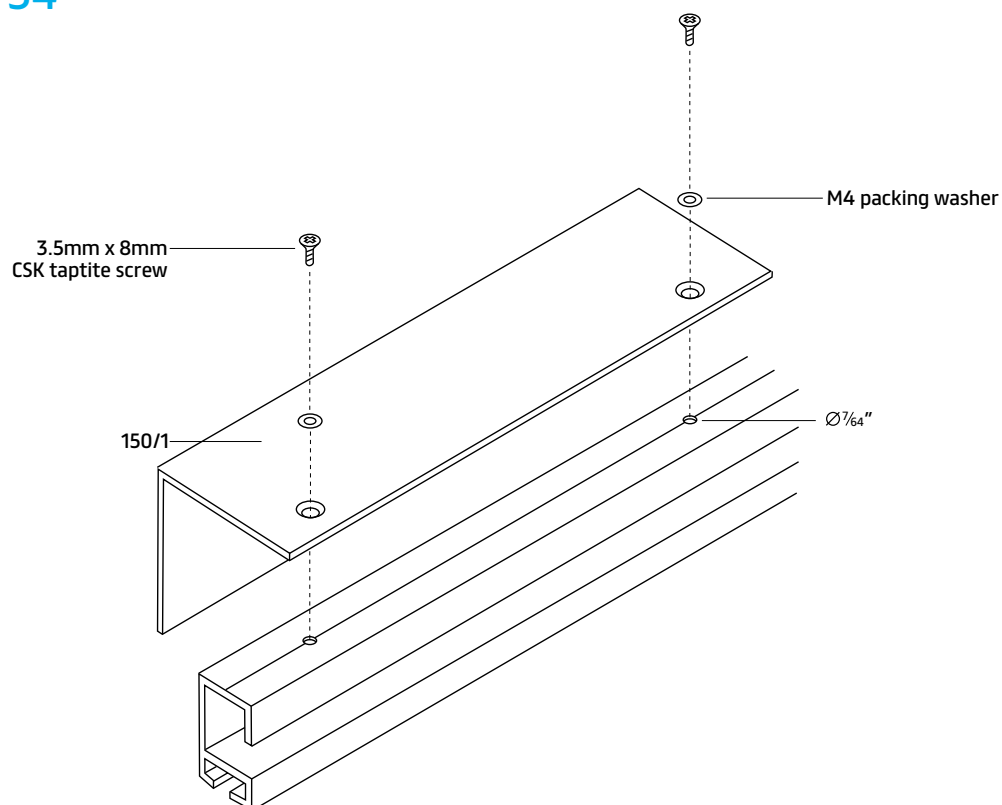


Diagram 35

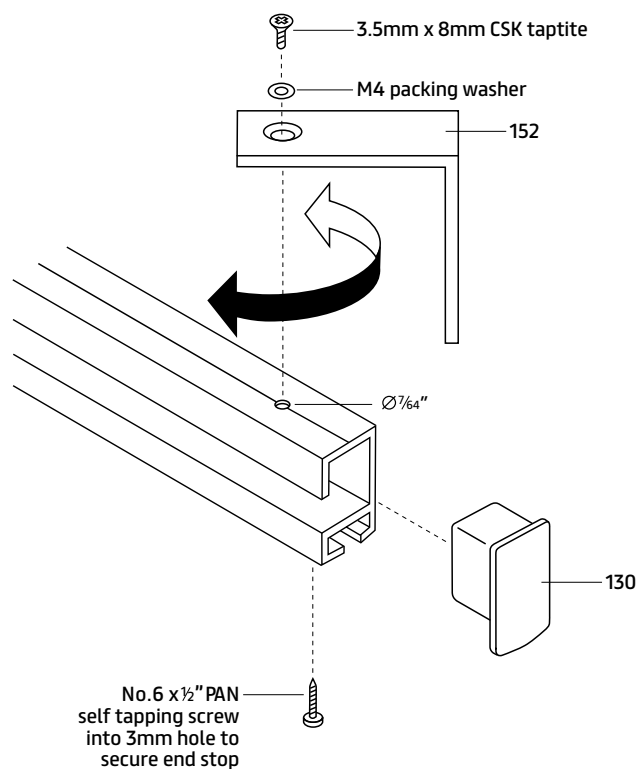


Diagram 36

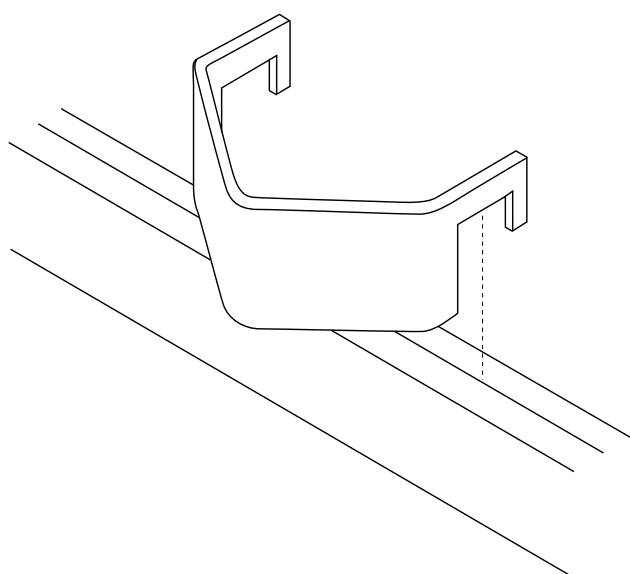
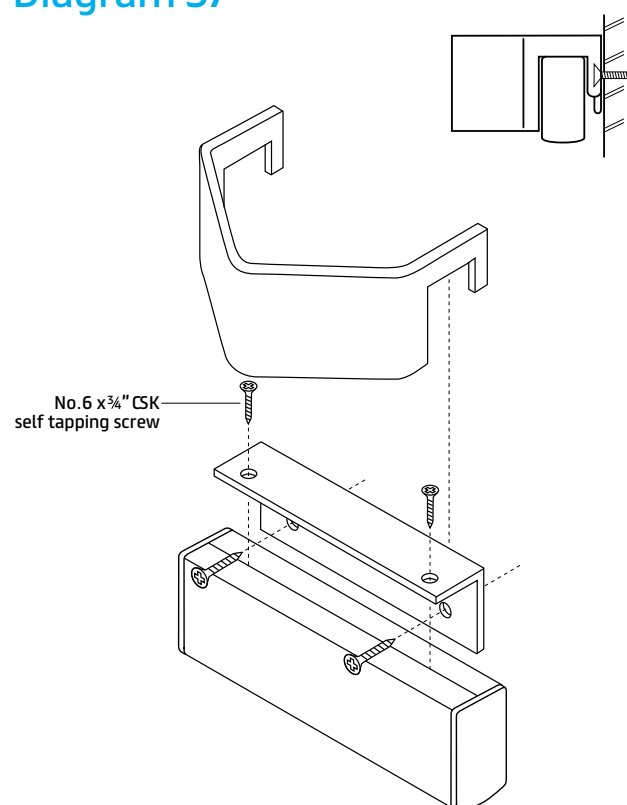


Diagram 37



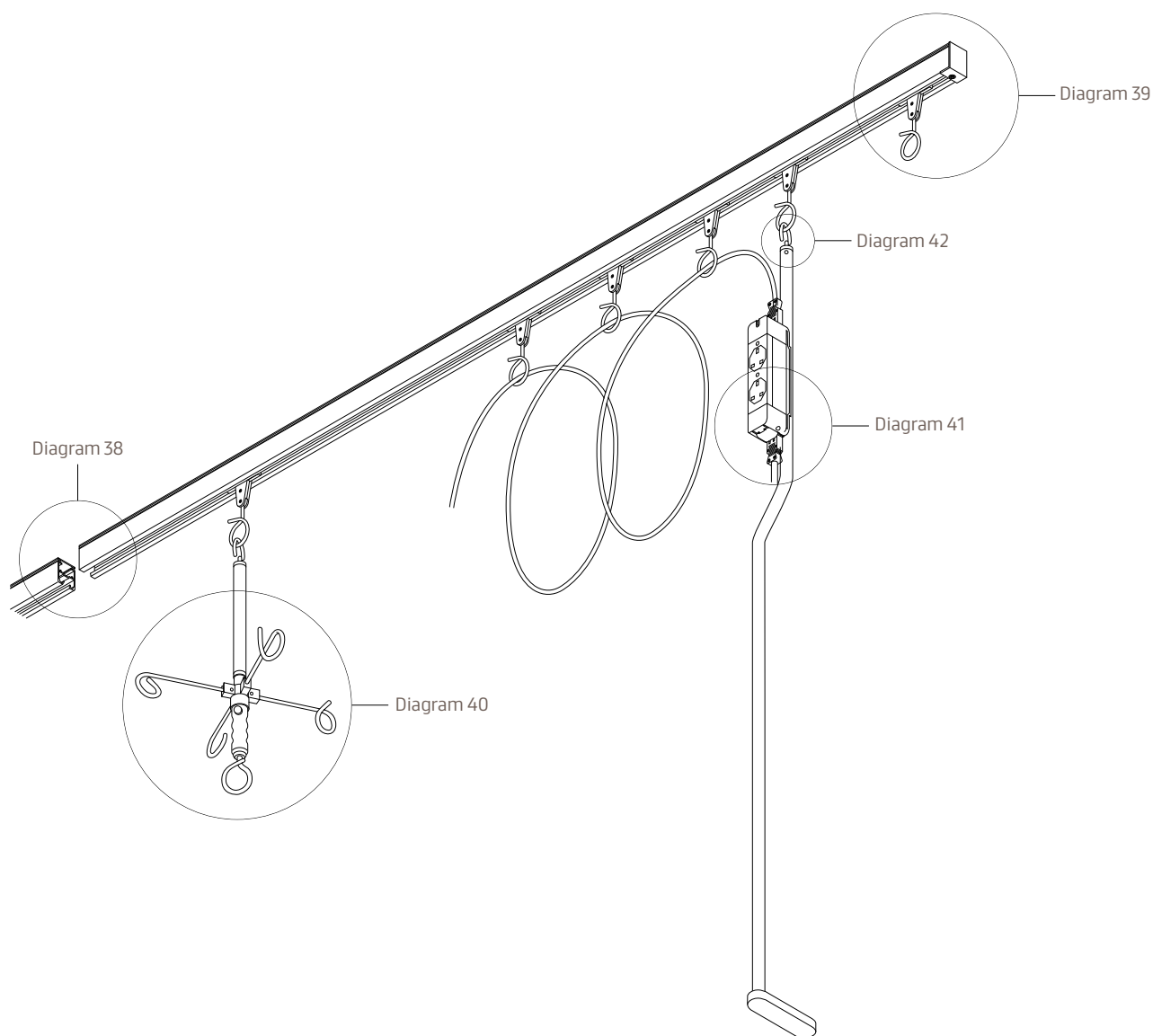


IV200 Track System

- 32 **OVERHEAD IV TRACK SYSTEM**
IV200 Track System
- 34 **DIAGRAMS**
IV200 Track System
- 36 **RECOMMENDED FIXING DETAIL**
IV200 Track System



IV200 overhead IV track system



IV200 overhead IV track system

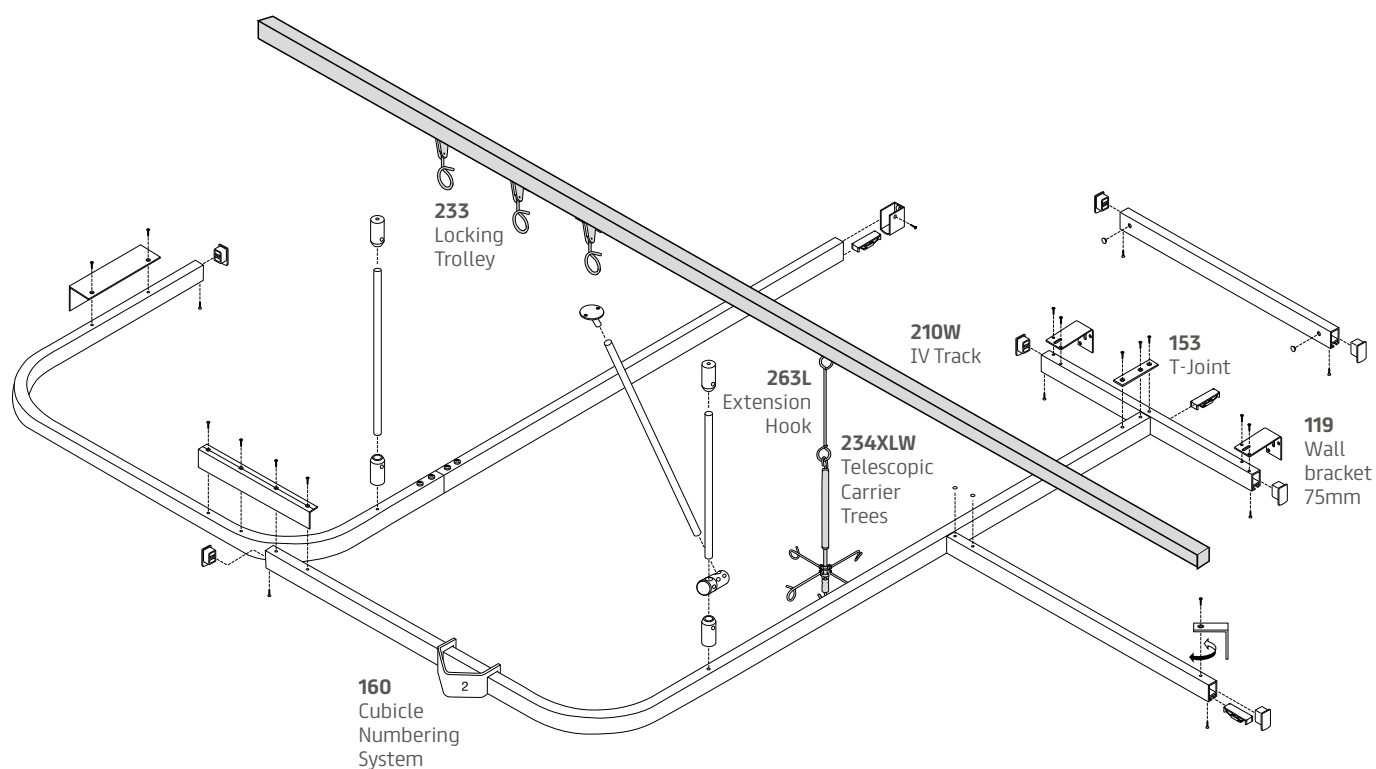


Diagram 38

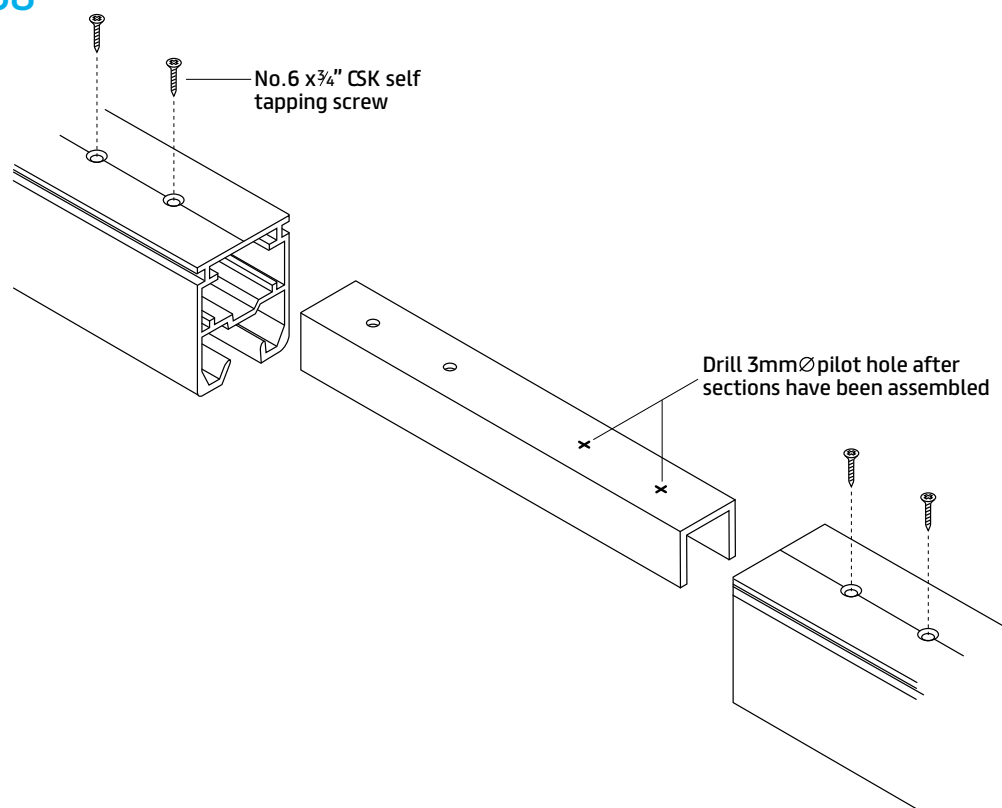


Diagram 39

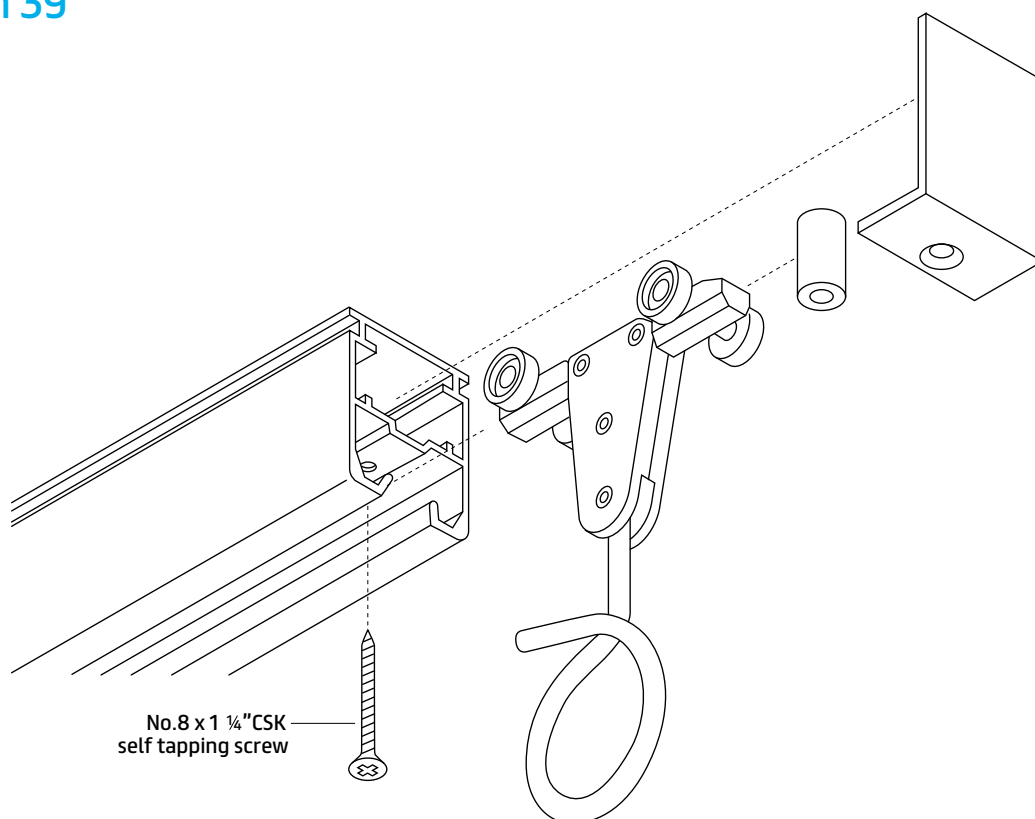


Diagram 40

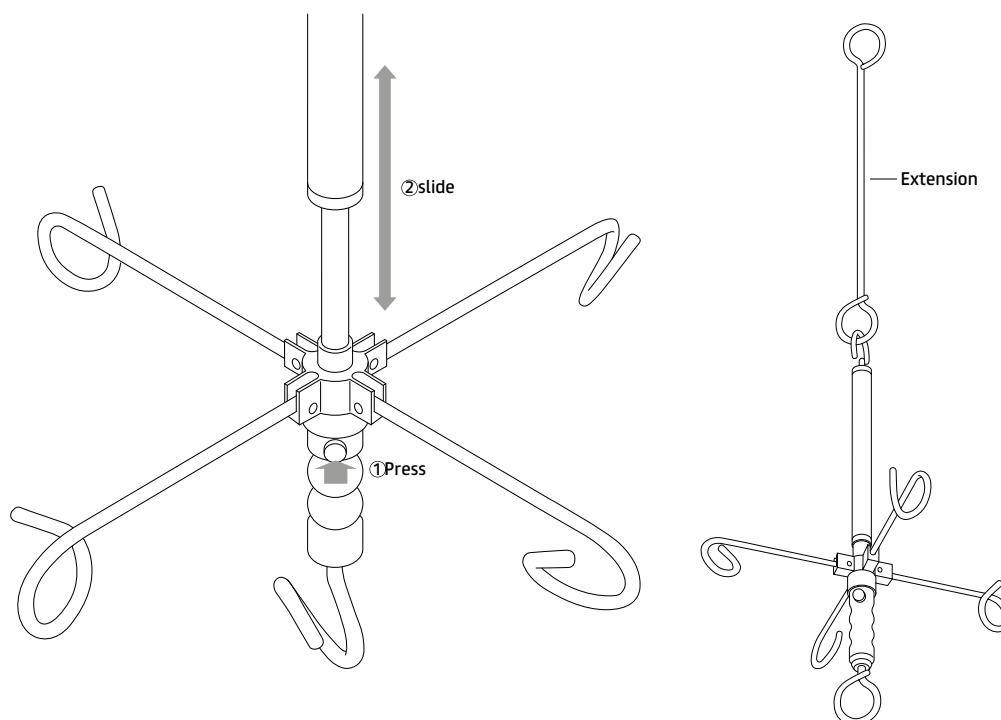


Diagram 41

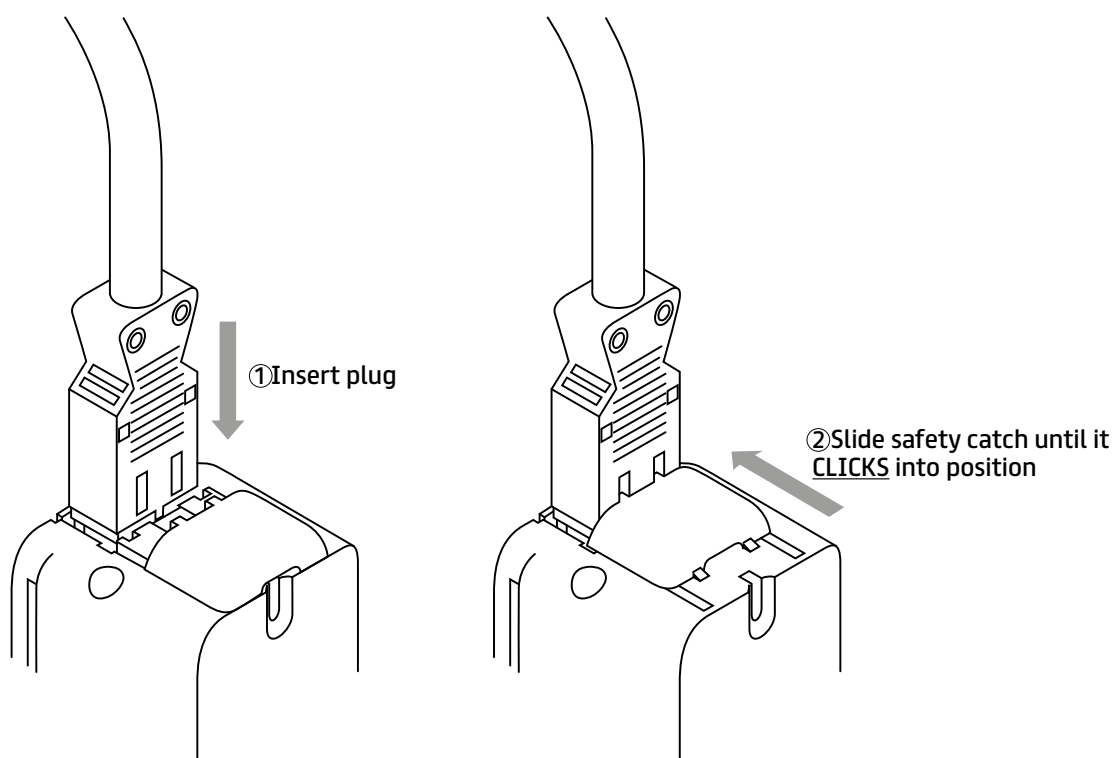
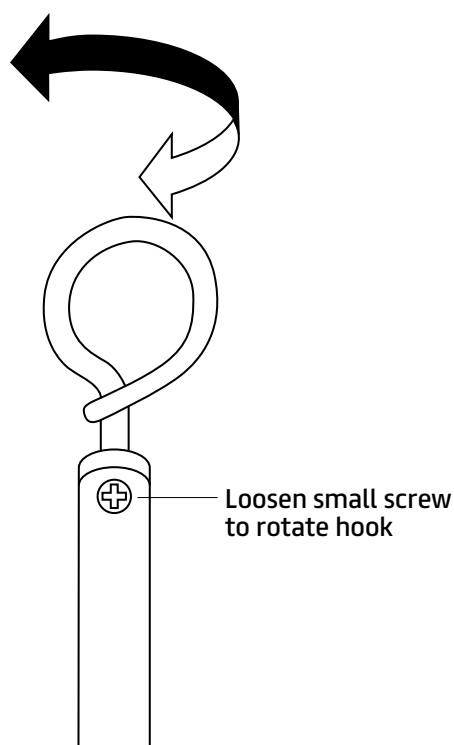
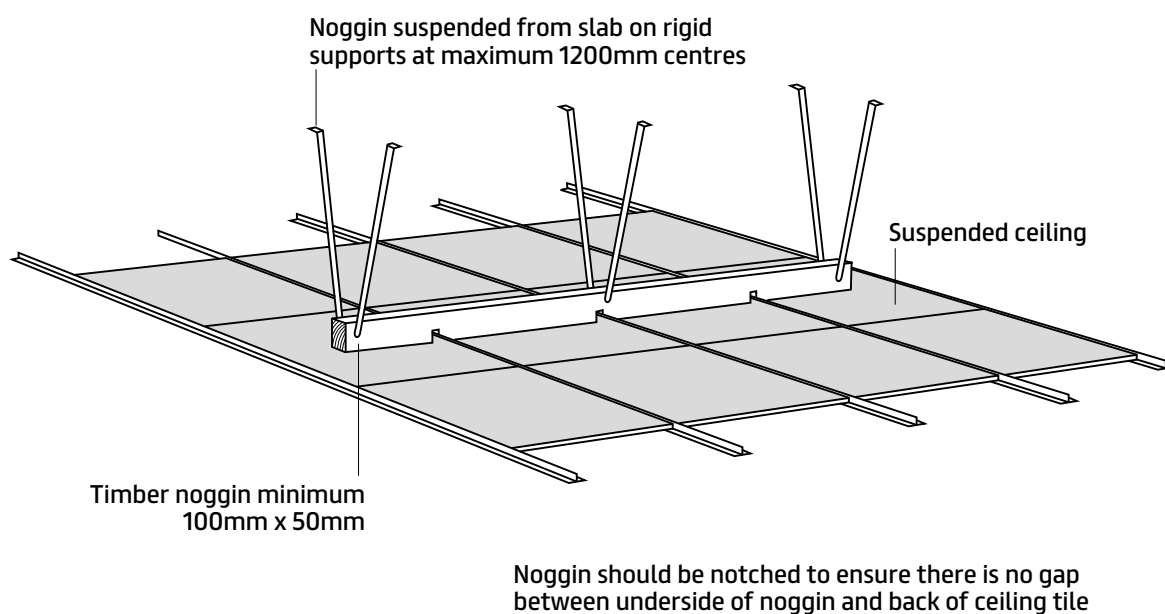


Diagram 42



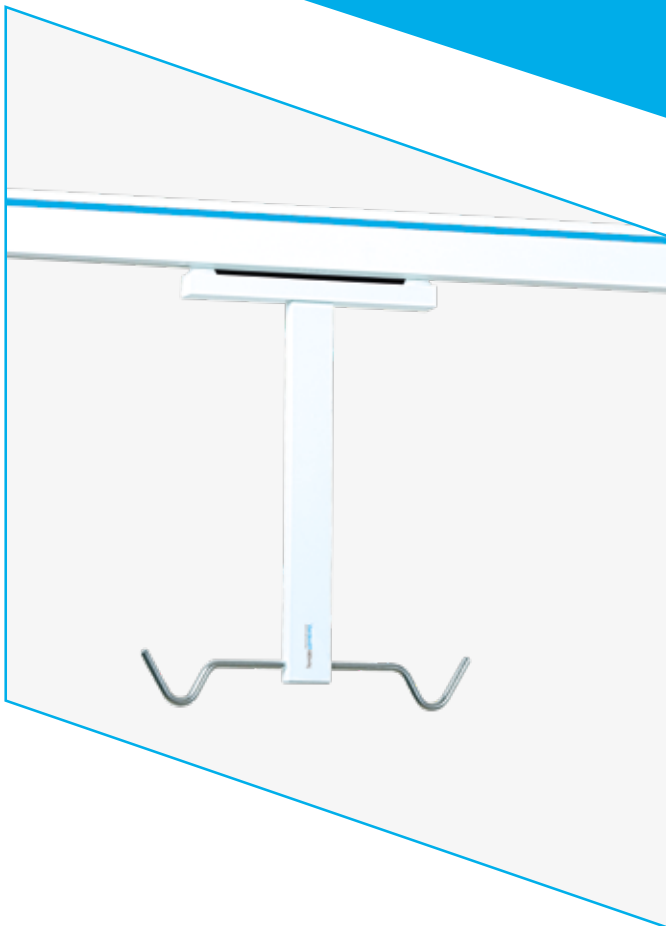
IV200 Overhead intravenous track system

Recommended fixing detail for noggins required behind suspended ceiling

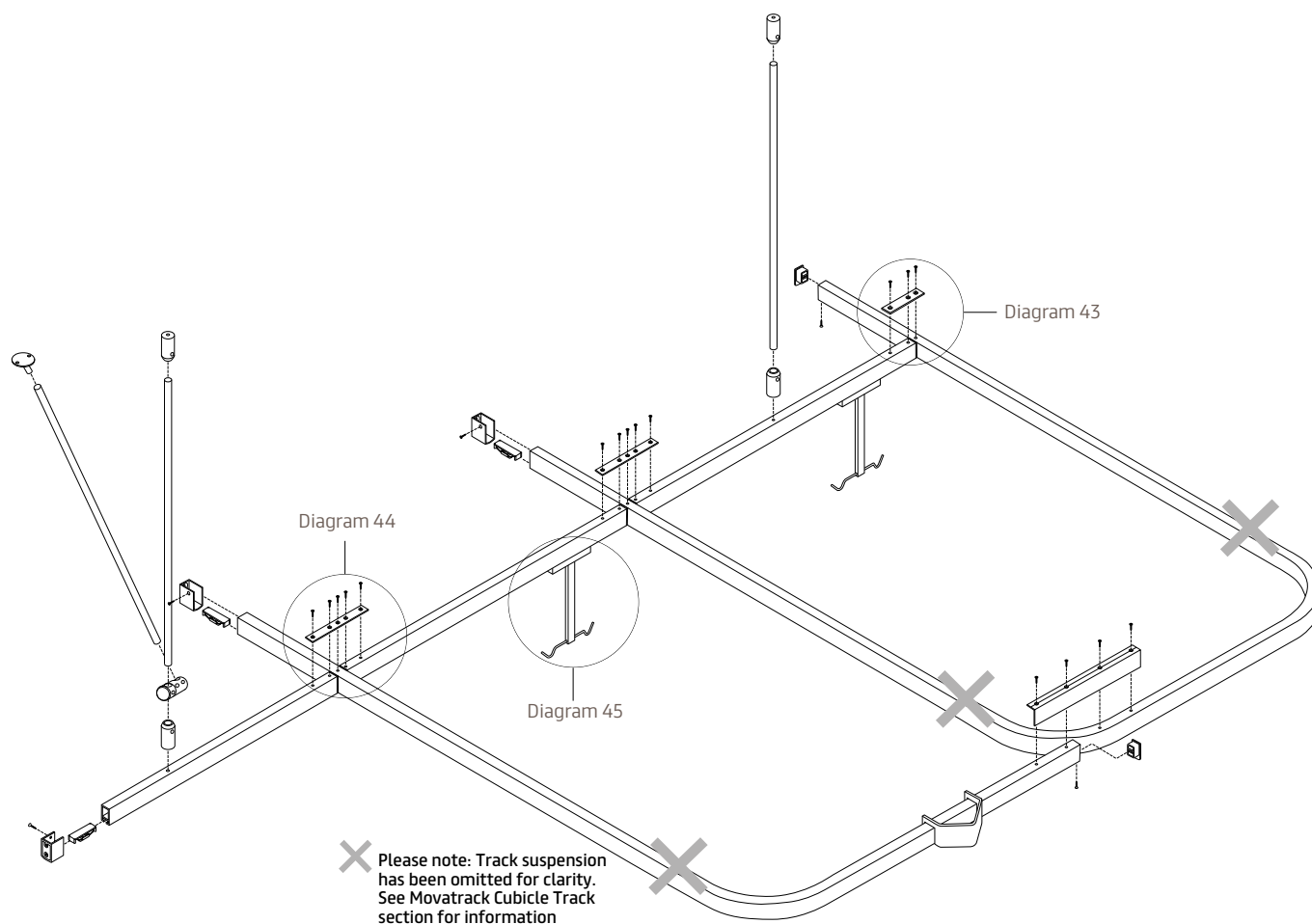


IV400 Track System

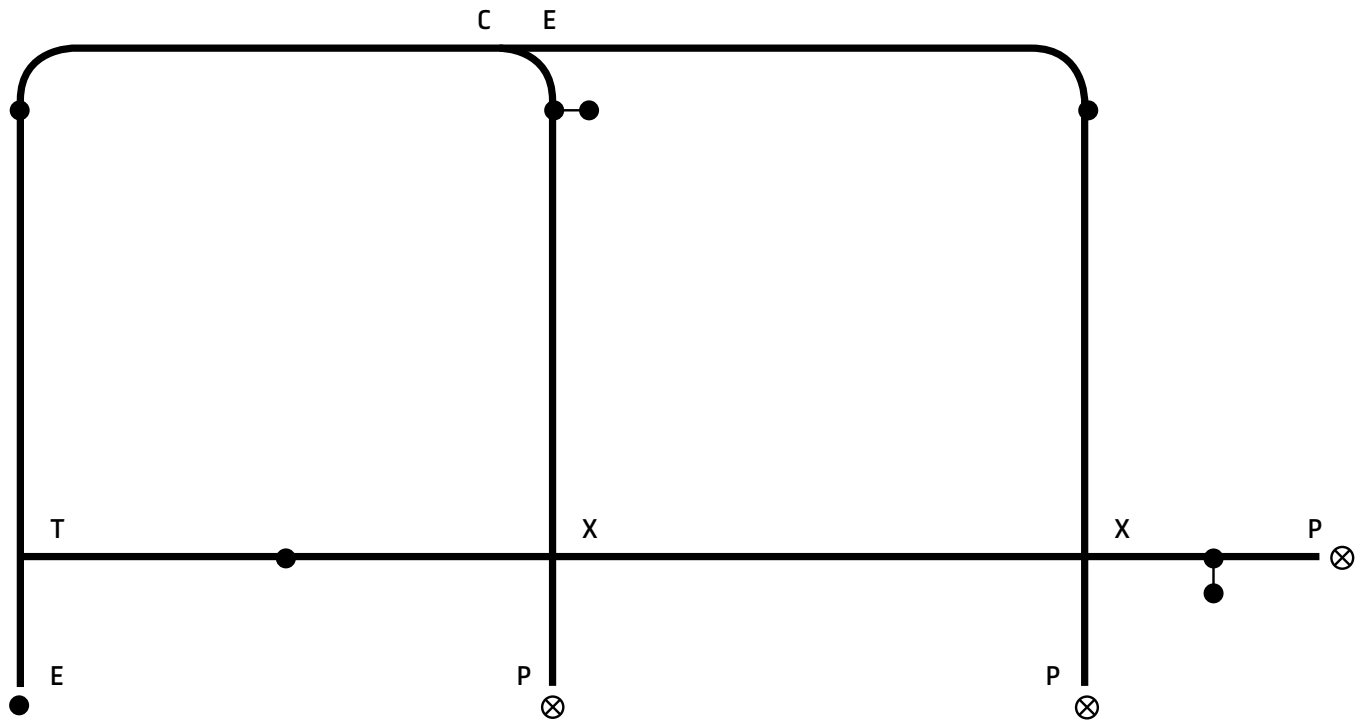
- 38 **SUSPENDED TRACK SYSTEM A**
IV400 Track System
- 39 **SUSPENDED TRACK SYSTEM A ISOMETRIC**
IV400 Track System
- 40 **SUSPENDED TRACK SYSTEM B**
IV400 Track System
- 41 **SUSPENDED TRACK SYSTEM B ISOMETRIC**
IV400 Track System
- 42 **DIAGRAMS**
IV400 Track System



Suspended IV400 track system A



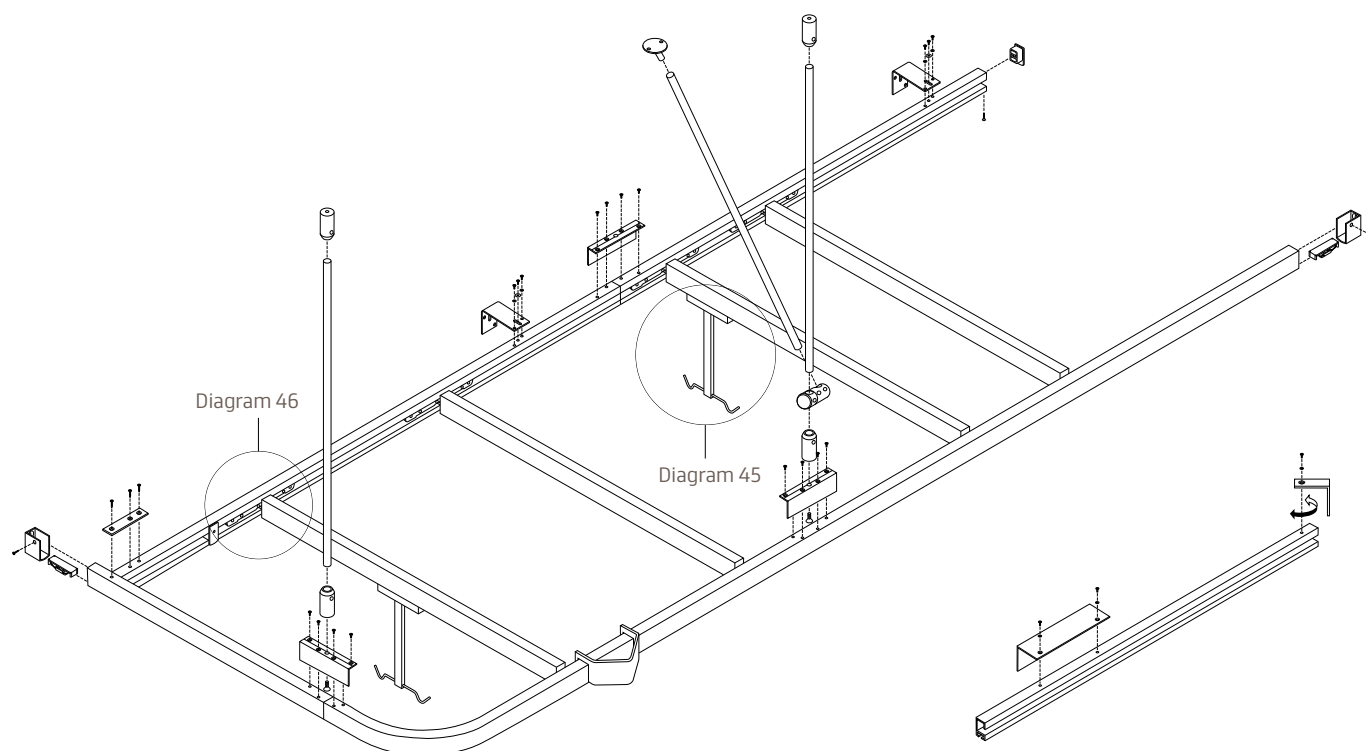
Suspended IV400 track system A isometric








| | | |
|------|-----------------------|----|
| 123 | Wall Shoe | ⊗ |
| 130 | End Stop | E |
| 151 | Overlap | C |
| 153 | T-Joint | T |
| 154 | Crossover | X |
| 155P | Curtain Removal Point | P |
| 313 | Hanger Assembly | ● |
| 313V | V-Hanger Assembly | ●● |

EXAMPLE ONLY of dimension drawing showing use of symbols based on isometric drawing

Suspended IV400 track system B



- | | | |
|------|-----------------------|---|
| 112 | External Joiner |  |
| 119 | Wall Bracket 75mm |  |
| 123 | Wall Shoe |  |
| 130 | End Stop | E |
| 130S | Traverse Stop | S |
| 153 | T-Joint | T |
| 155P | Curtain Removal Point | P |
| 313 | Hanger Assembly |  |
| 313V | V-Hanger Assembly |  |

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Diagram 43

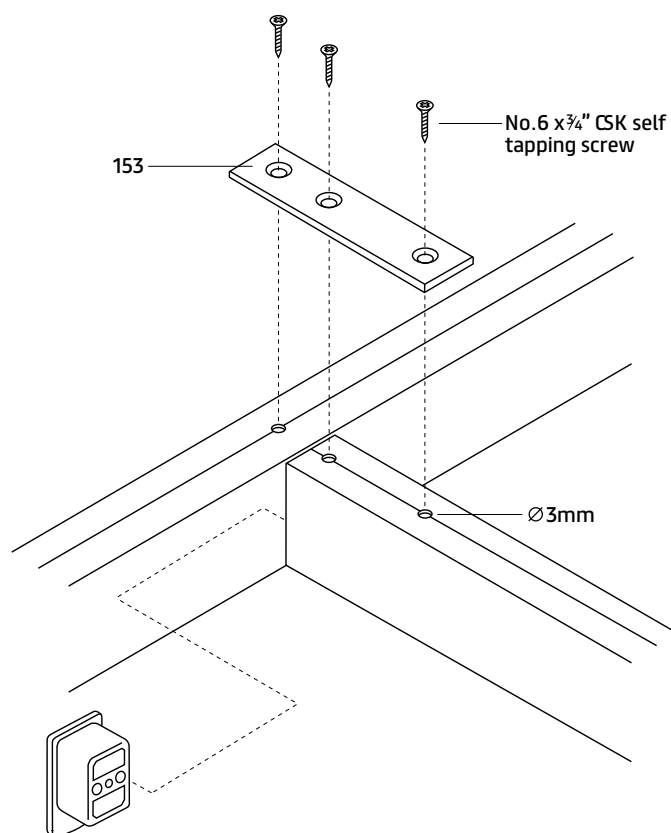


Diagram 44

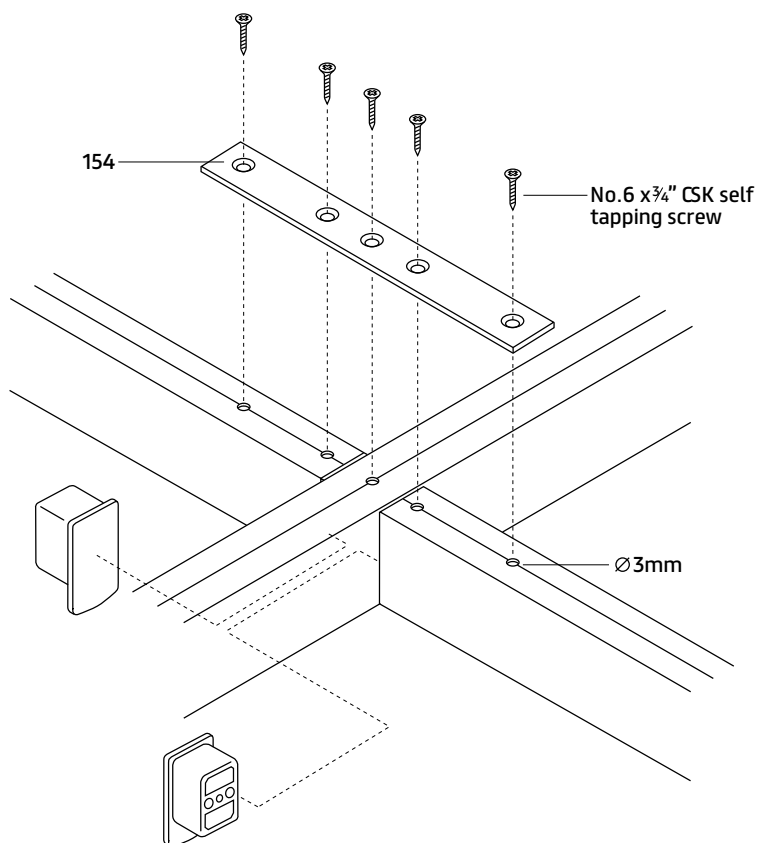


Diagram 45

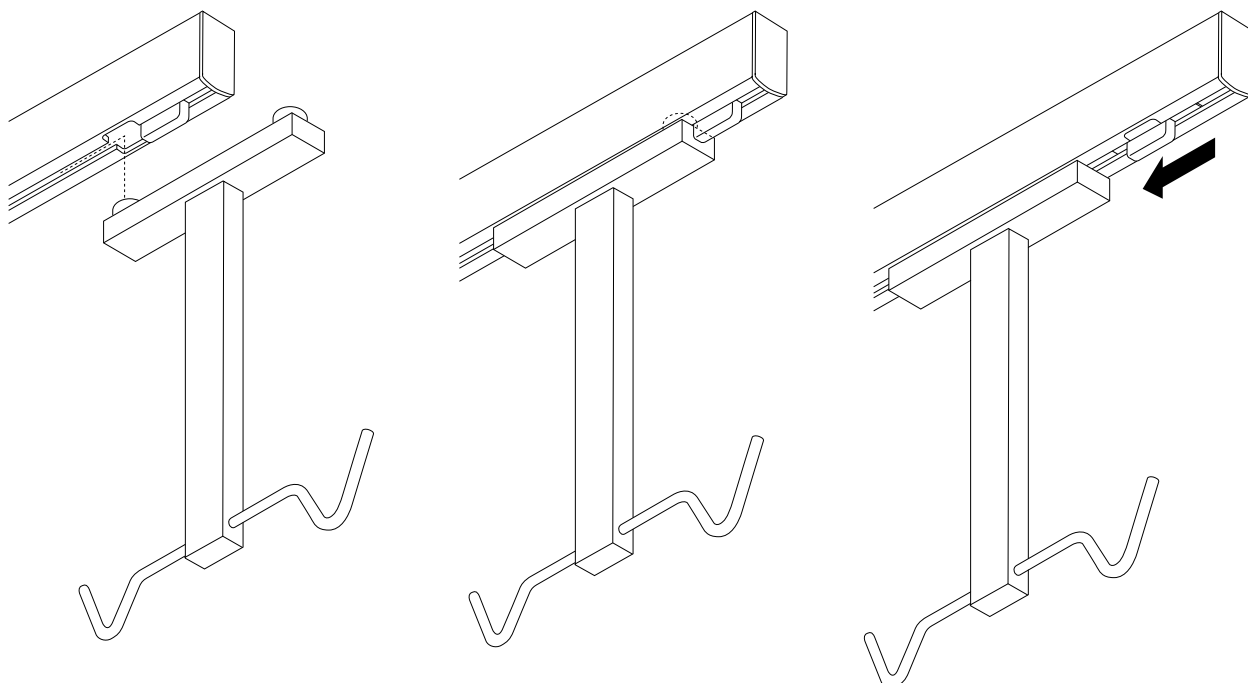
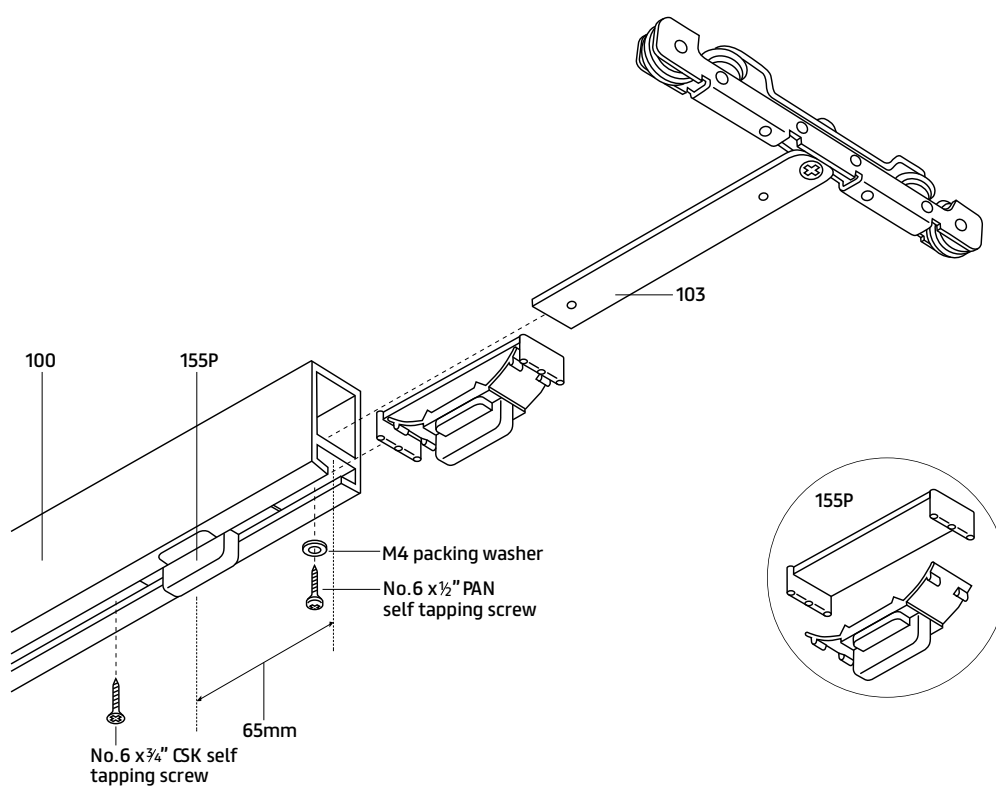


Diagram 46





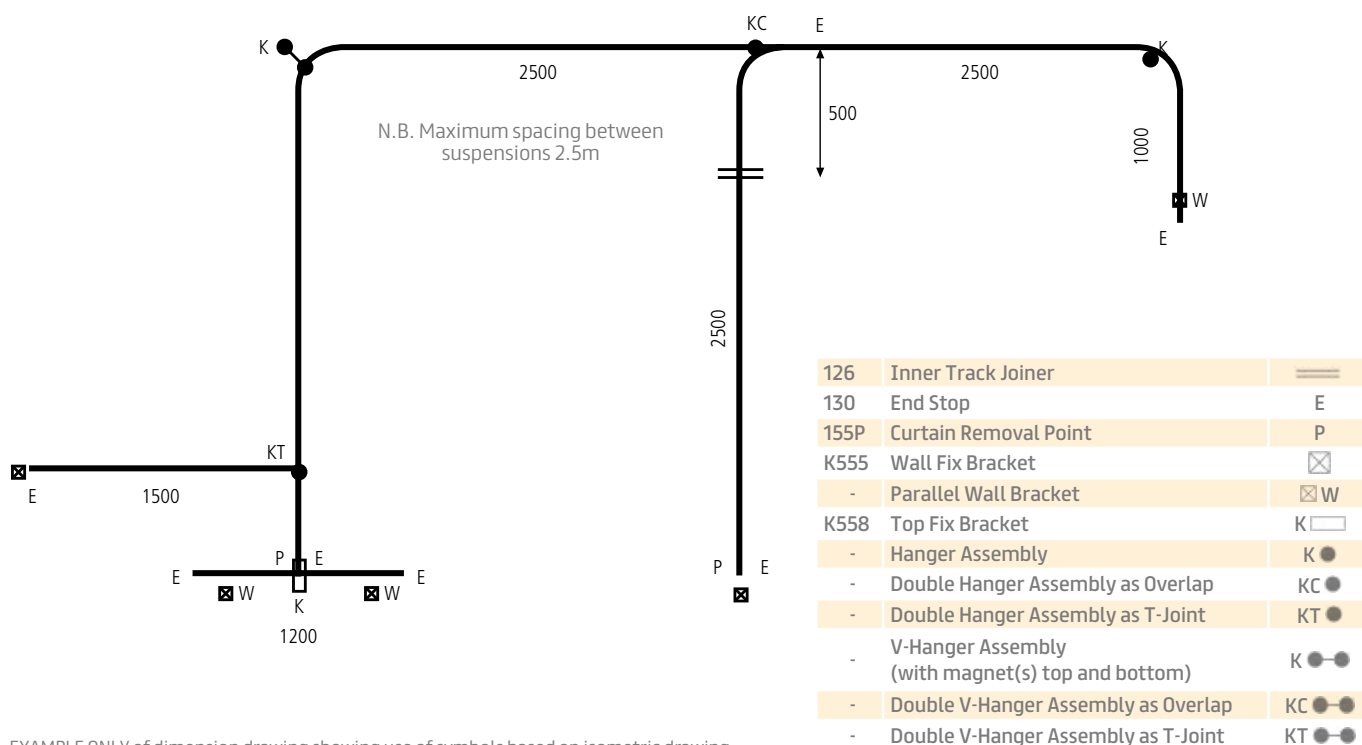
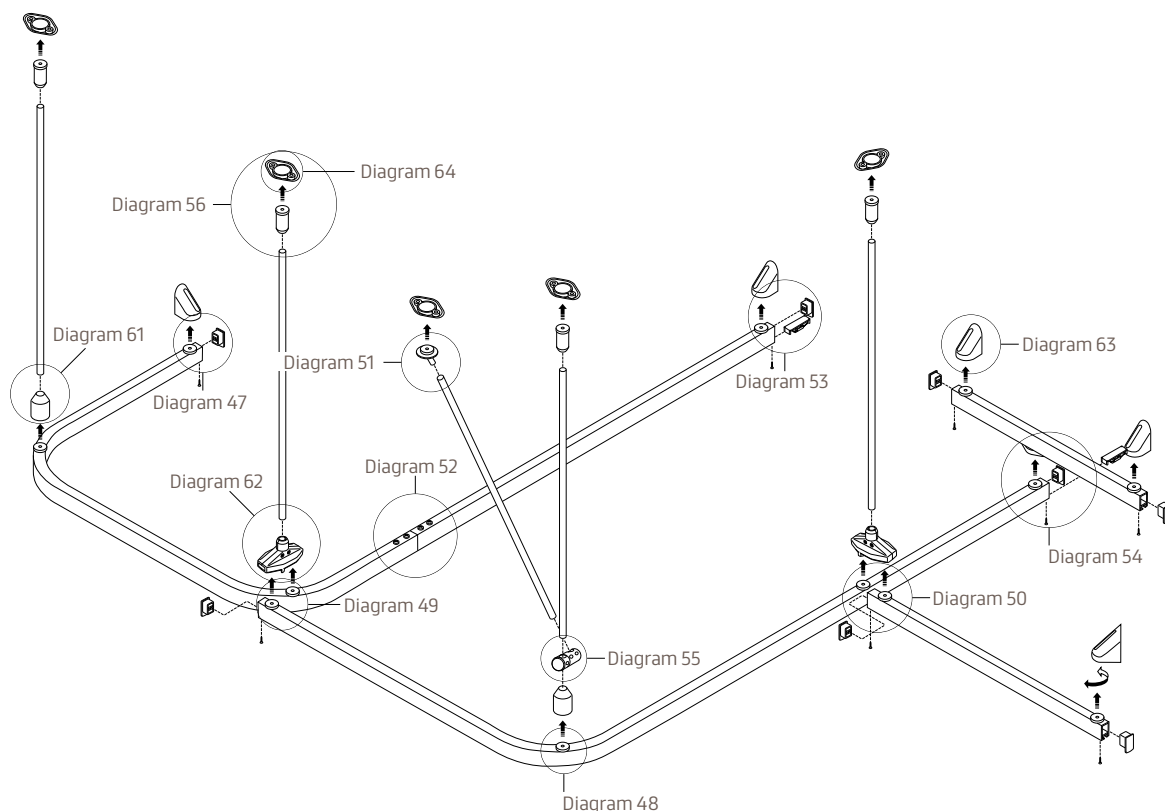
K100 Cubicle Curtain Track

- 46 **ANTI-LIGATURE SUSPENDED CUBICLE CURTAIN TRACK A**
K100 Cubicle Curtain Track
- 47 **ANTI-LIGATURE SUSPENDED CUBICLE CURTAIN TRACK B**
K100 Cubicle Curtain Track
- 48 **ANTI-LIGATURE DIRECT CEILING FIX CUBICLE CURTAIN TRACK**
K100 Cubicle Curtain Track
- 49 **DIAGRAMS**
K100 Cubicle Curtain Track
- 57 **BRACKET LOAD OPTIONS**
YewdaleKestrel®
- 58 **BRACKET DIAGRAMS**
YewdaleKestrel®
- 60 **LOAD TESTING INFORMATION**
YewdaleKestrel®
- 61 **WARD STAFF INFORMATION**
YewdaleKestrel®



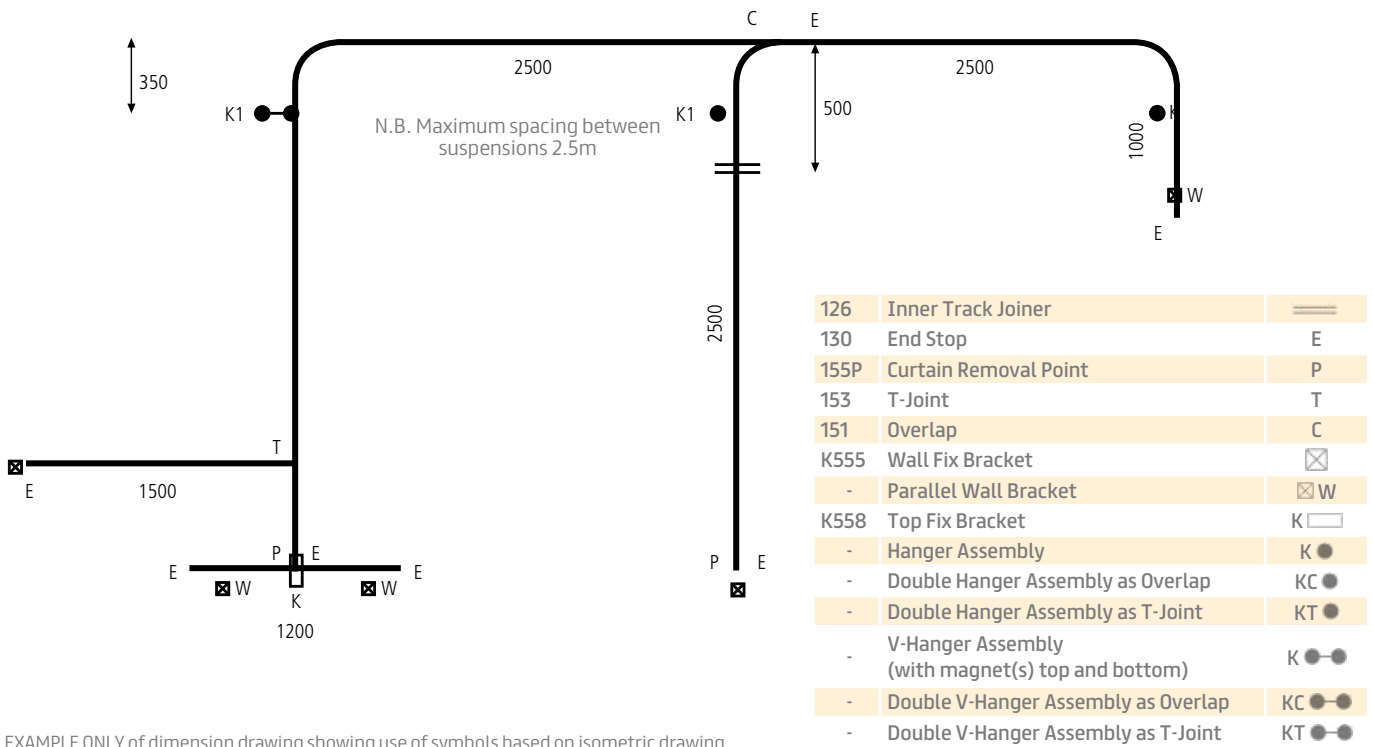
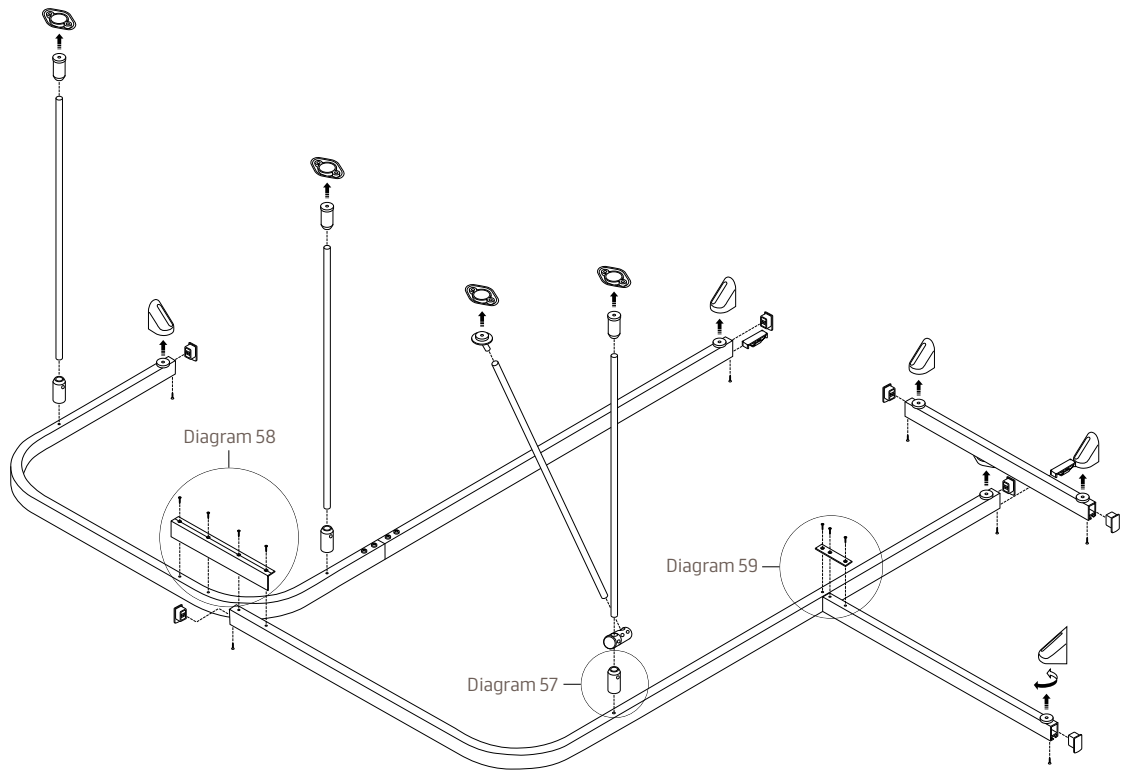
K100 Cubicle Curtain Track

Standard anti-ligature suspended Cubicle Curtain Track (magnets top and bottom)



EXAMPLE ONLY of dimension drawing showing use of symbols based on isometric drawing

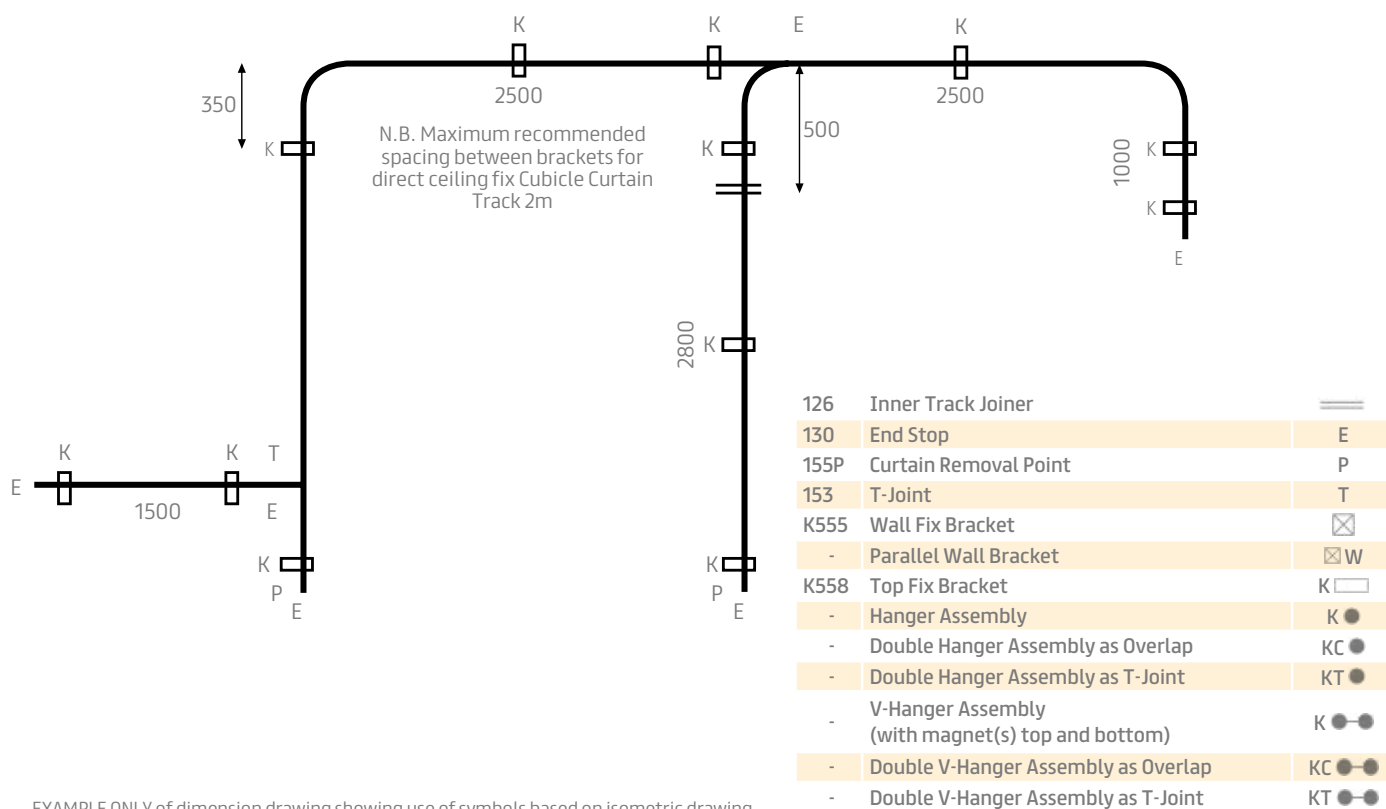
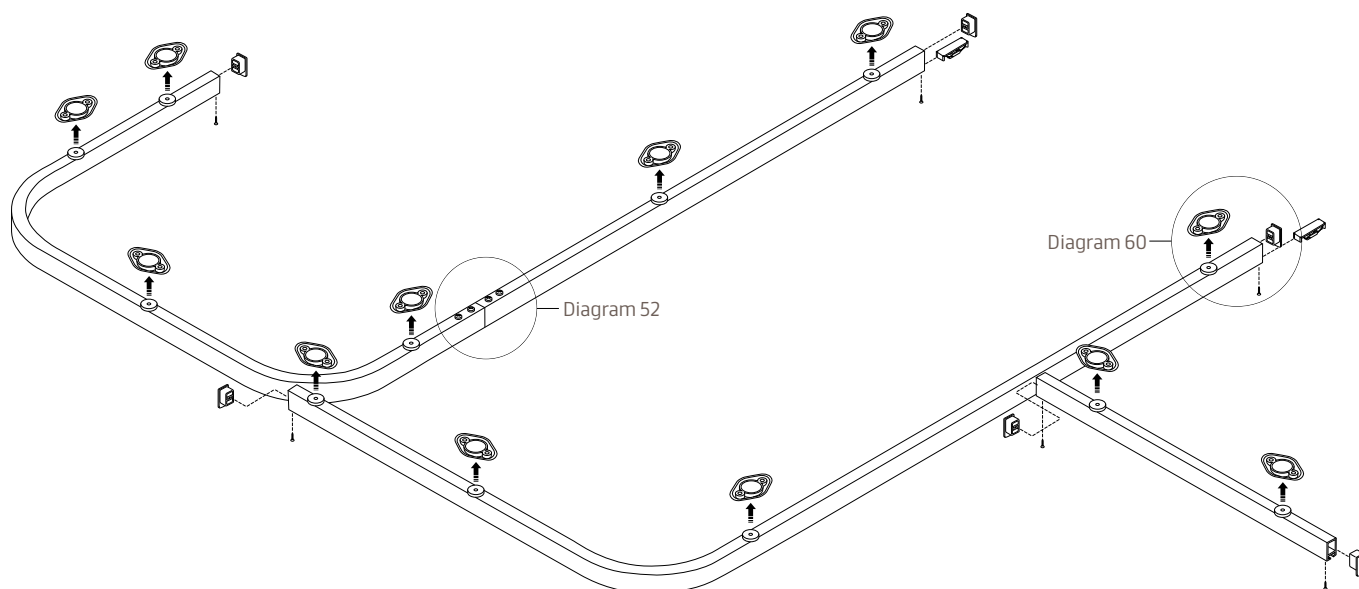
Anti-ligature suspended Cubicle Curtain Track (option - magnets top only)



EXAMPLE ONLY of dimension drawing showing use of symbols based on isometric drawing

K100 Cubicle Curtain Track

Anti-ligature direct ceiling fix Cubicle Curtain Track



EXAMPLE ONLY of dimension drawing showing use of symbols based on isometric drawing

Diagram 47

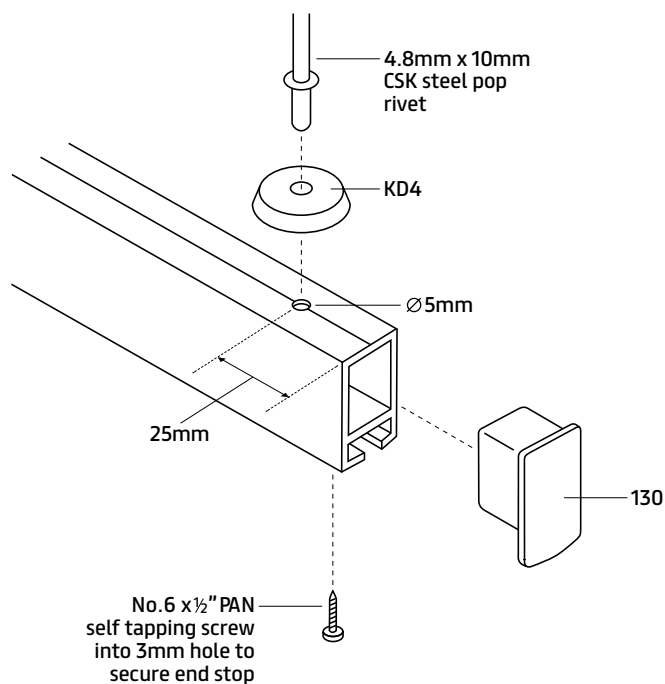
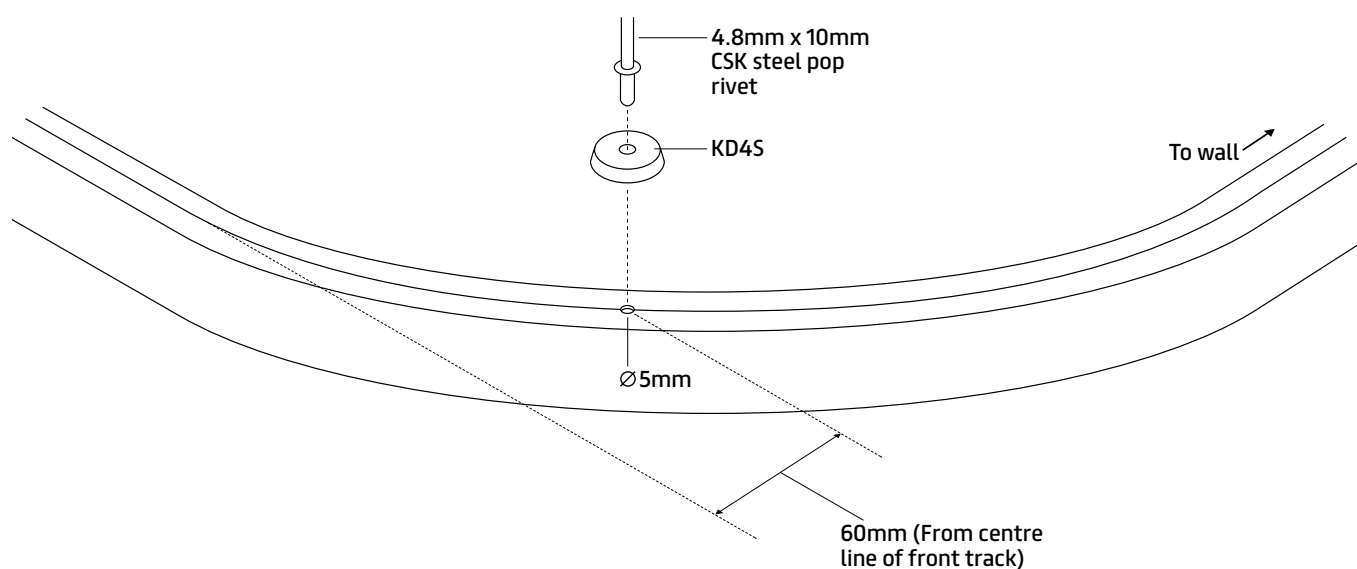


Diagram 48



K100 Cubicle Curtain Track

Diagram 49

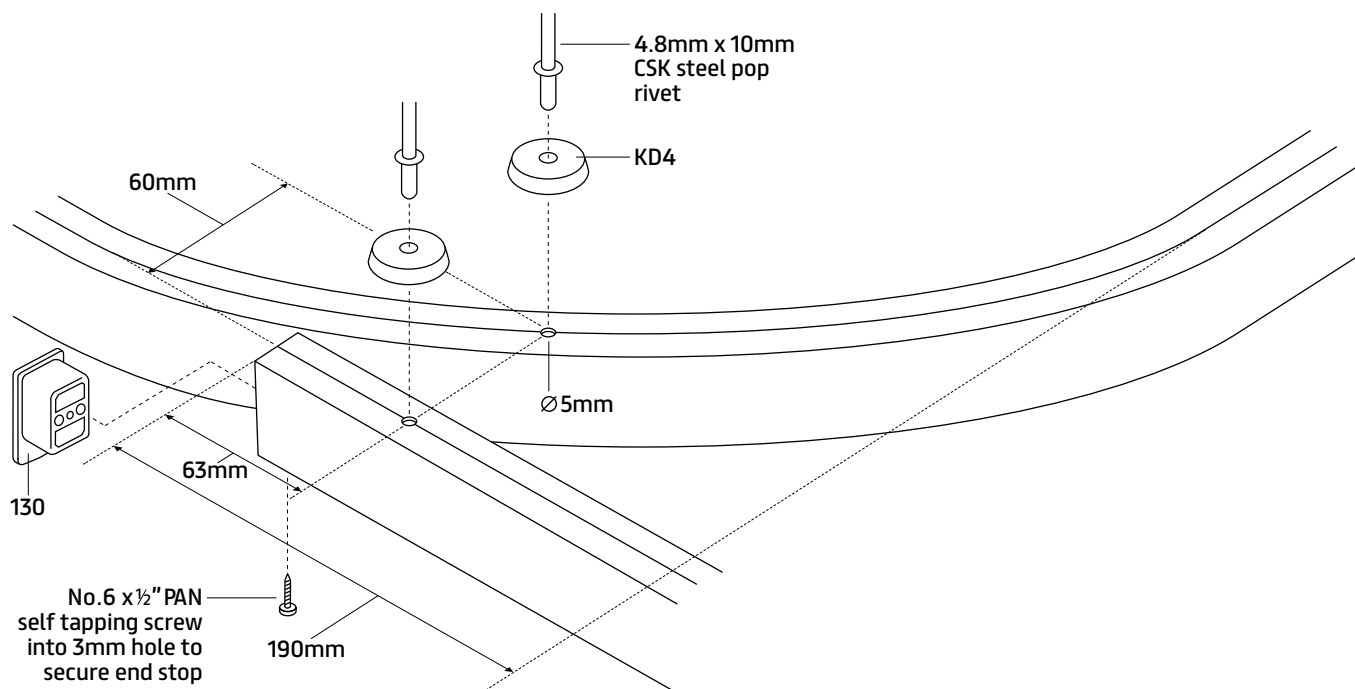


Diagram 50

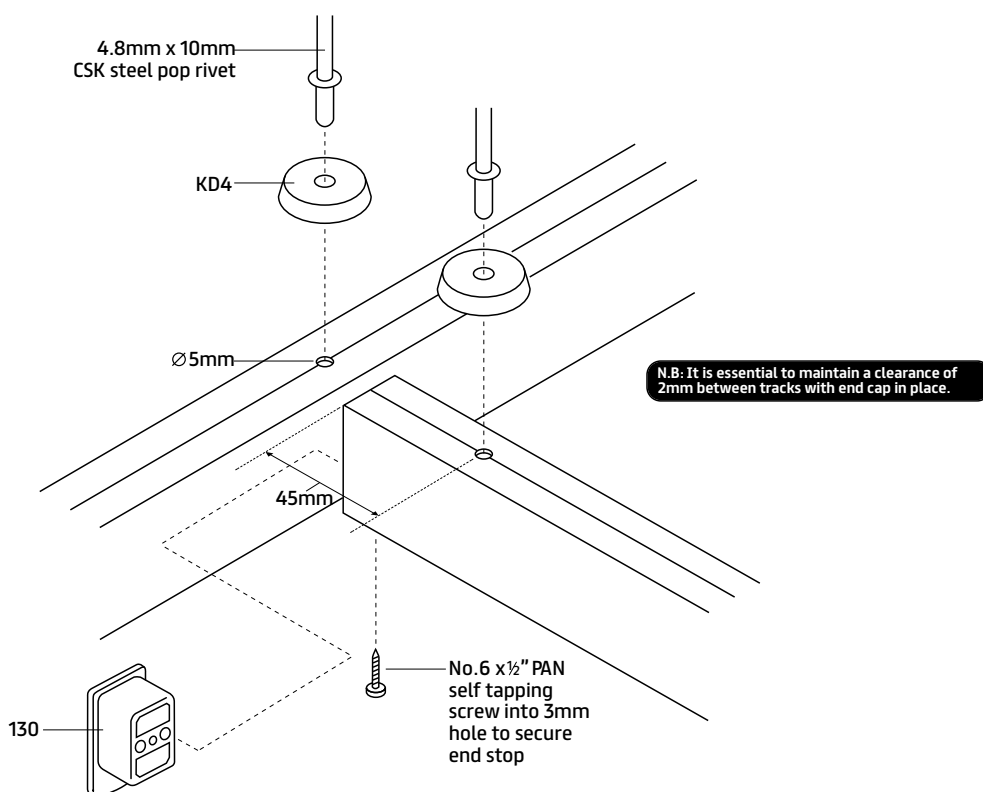


Diagram 51

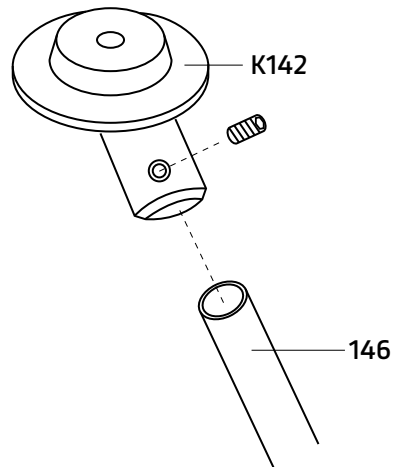


Diagram 52

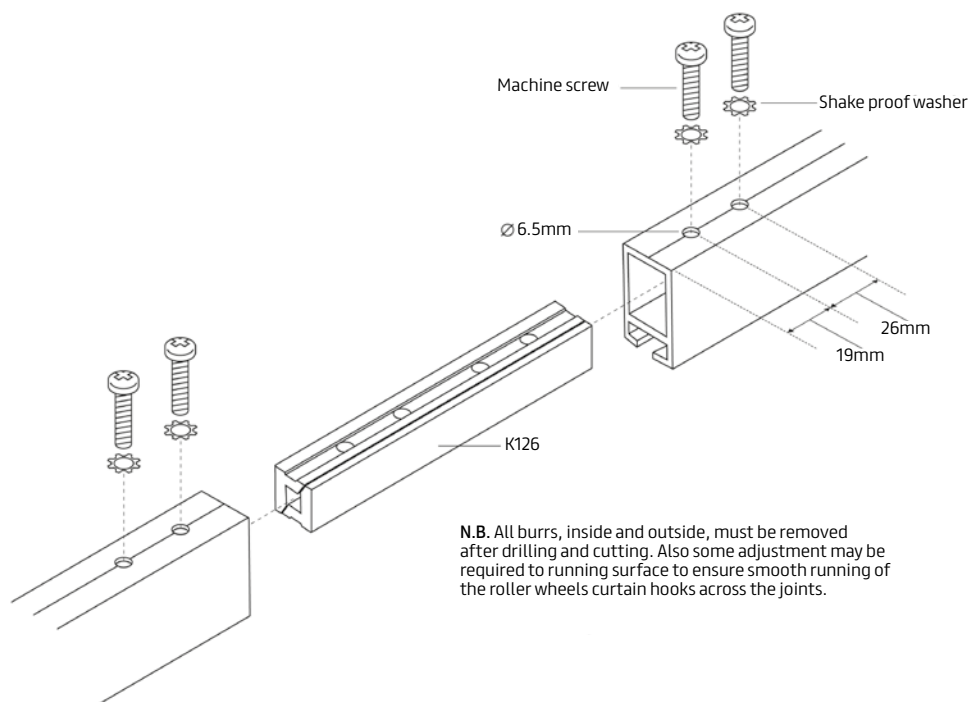


Diagram 53

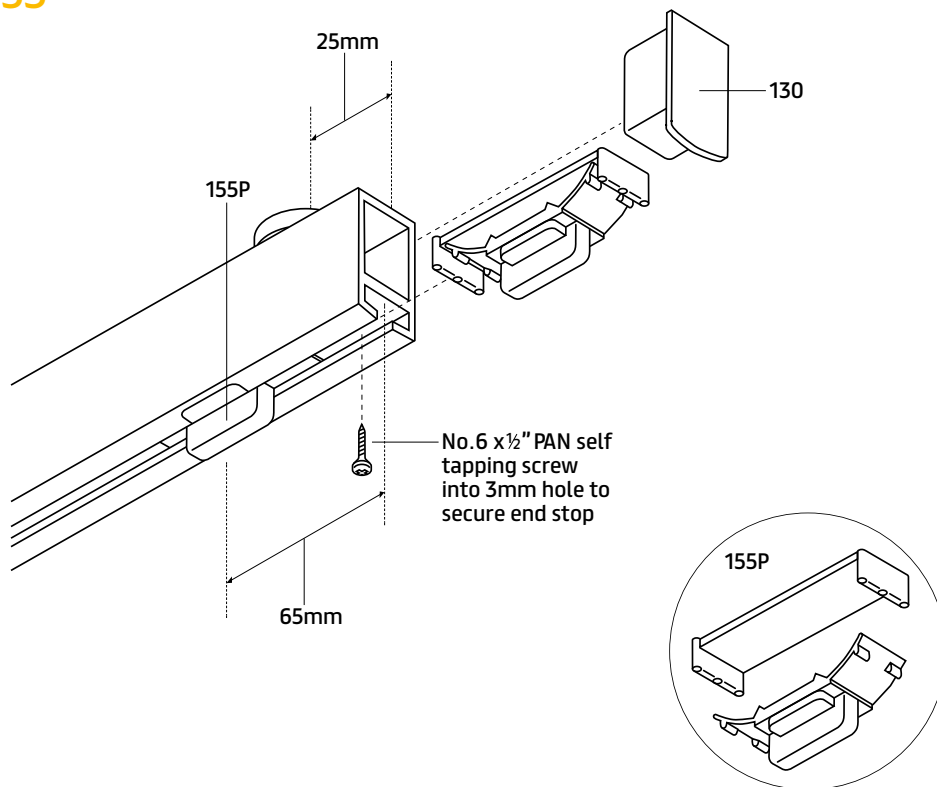


Diagram 54

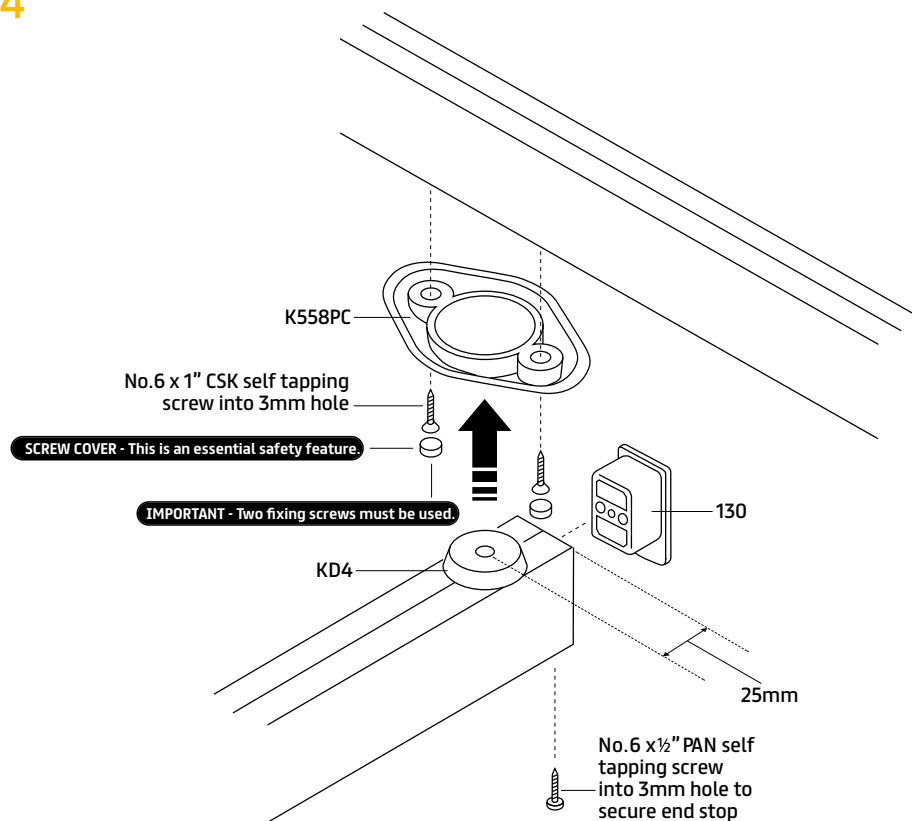


Diagram 55

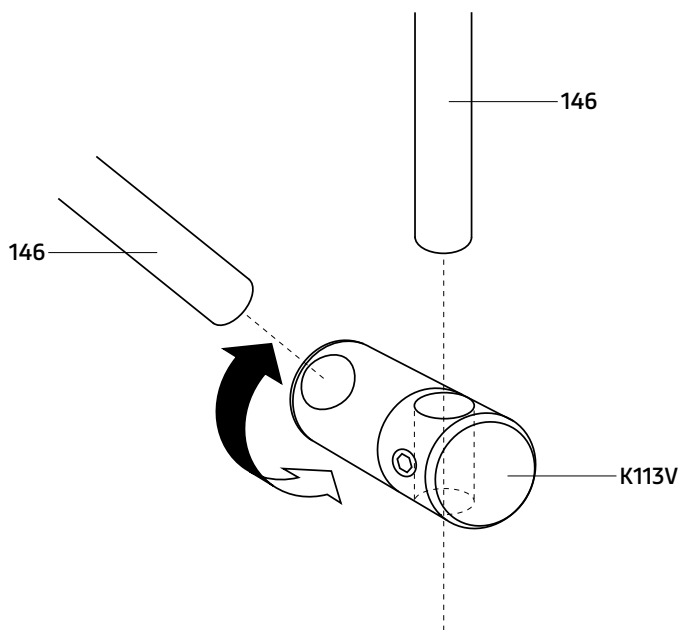
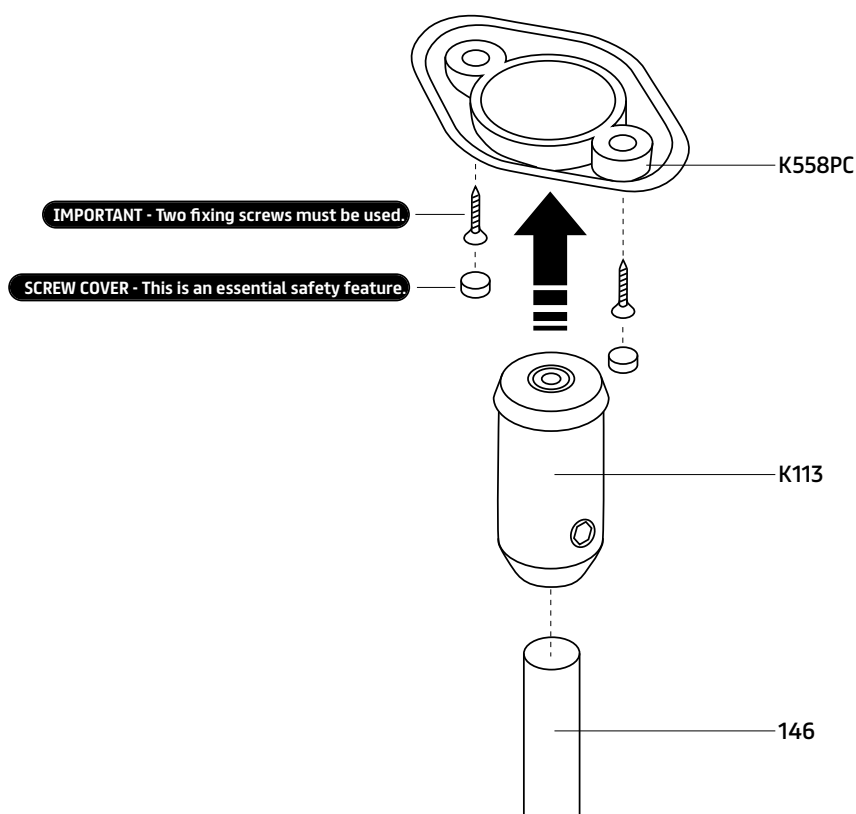


Diagram 56



K100 Cubicle Curtain Track

Diagram 57

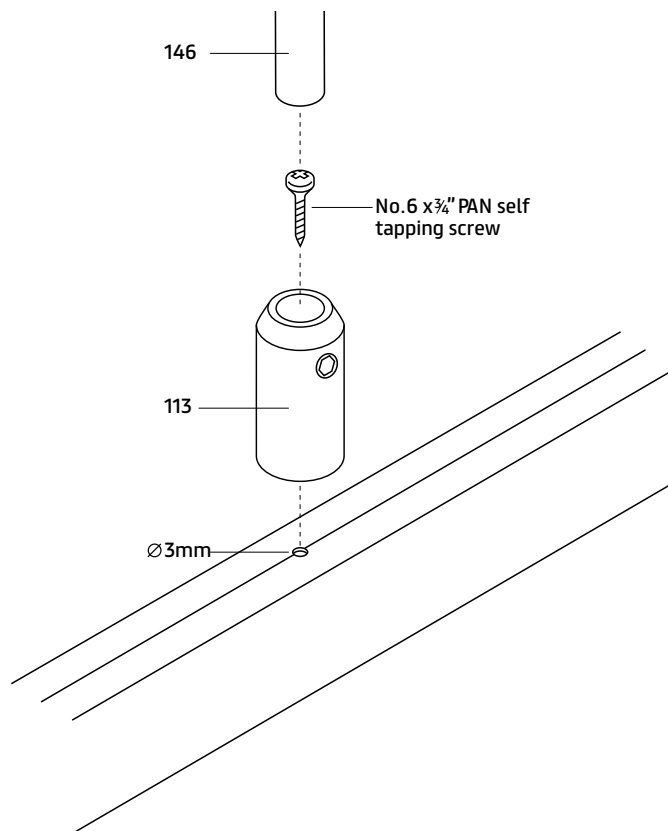


Diagram 58

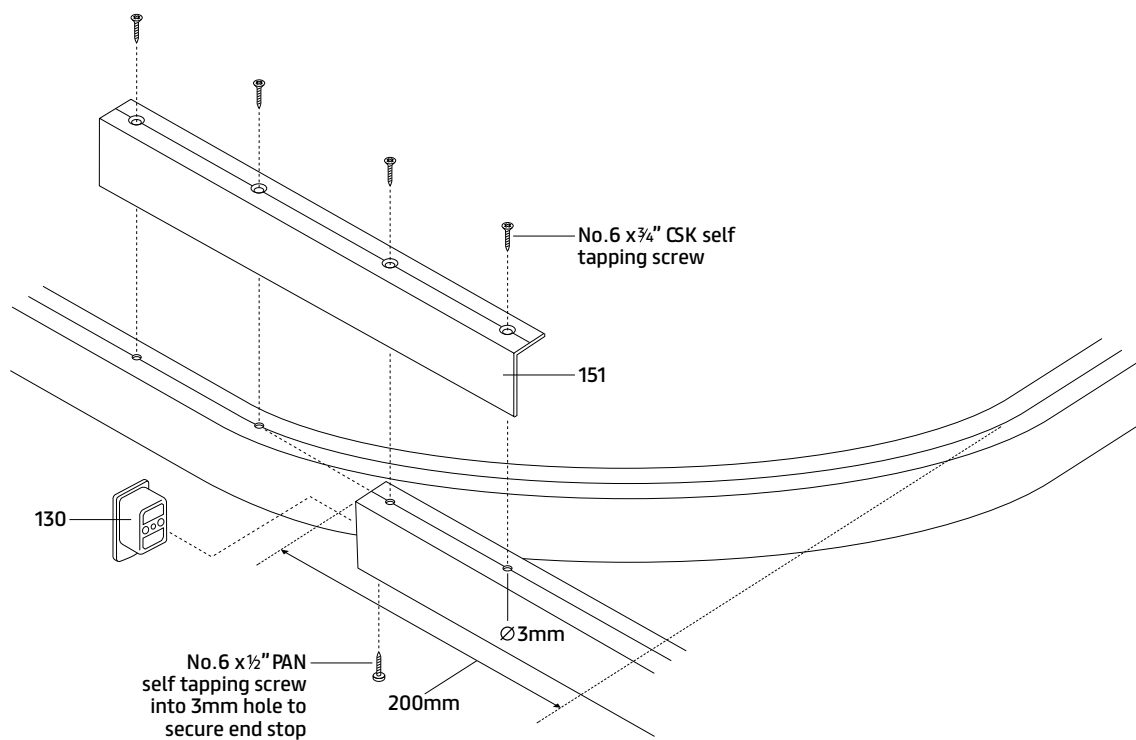


Diagram 60

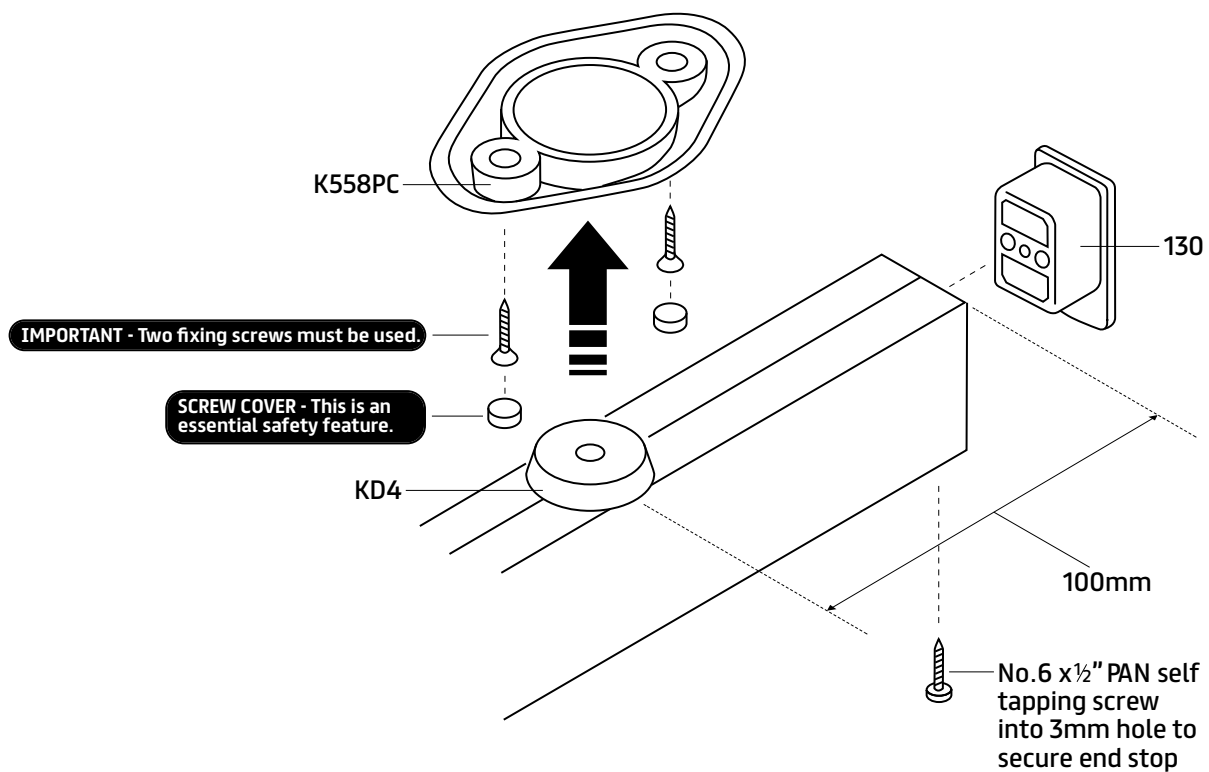


Diagram 61

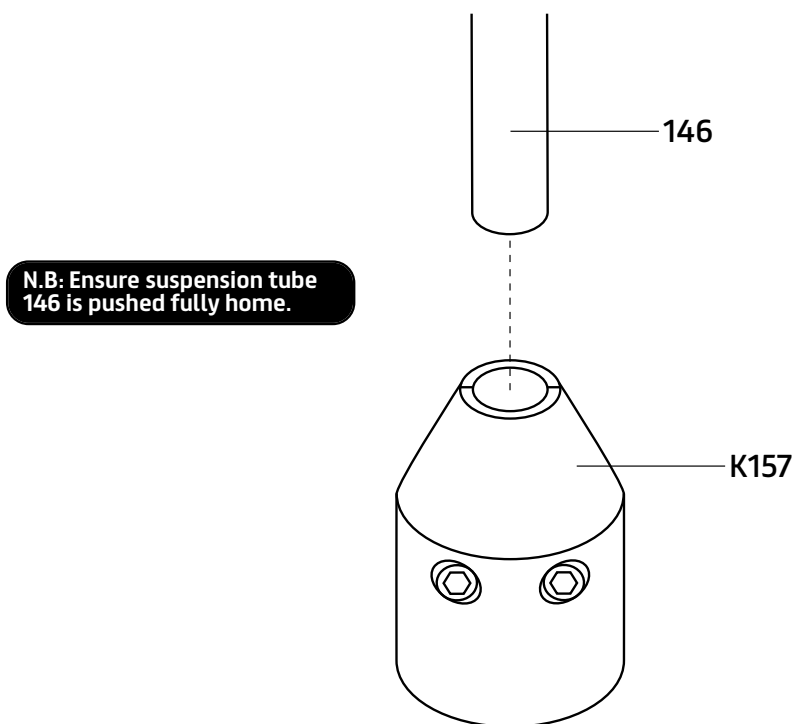
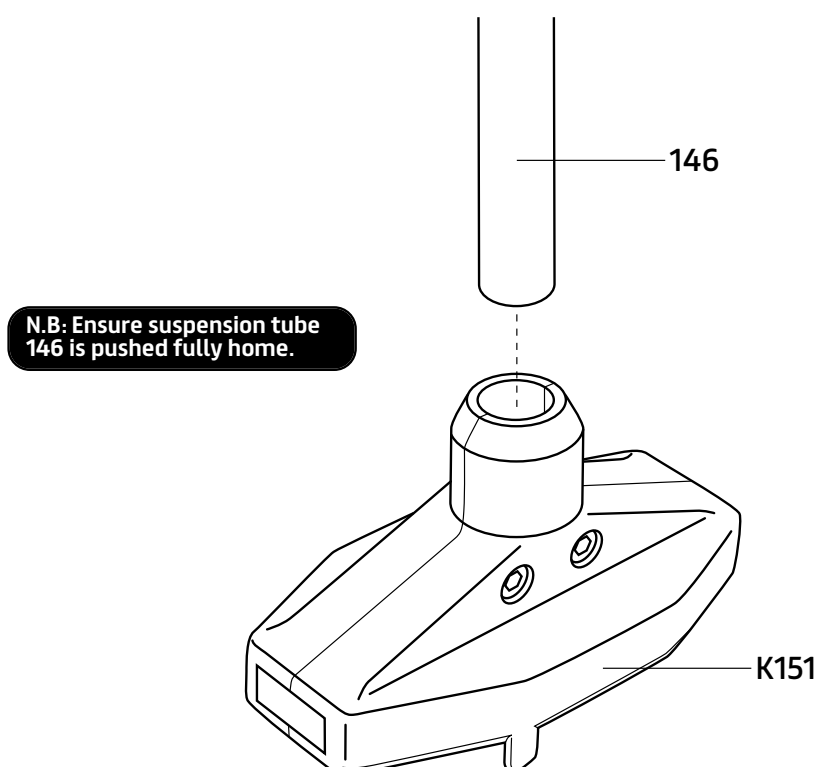


Diagram 62



Bracket Load Options

There may be some instances where a standard YewdaleKestrel® magnet may not have a breakaway point low enough to ensure the safety of service users with lighter body-weights.

In situations involving children, adolescents and people with illnesses such as eating disorders, their body weight may not be great enough to easily break a ligature point, and so YewdaleKestrel® offers low and medium load capacity brackets that separate at much smaller weights.

All products will automatically be supplied with our standard load brackets, please specify when ordering if you require the medium or low load brackets. All accompanying disks are chamfered to help prevent jams.

Consideration from installers must be applied to the types of anti-ligature product being used and how it will be used on a daily basis as lower load brackets may cause it to separate too easily and make it very difficult to use the product for its primary function.

Therefore, it is recommended that the pre-load weight of the anti-ligature product is understood before the brackets are selected for the environment as some anti-ligature devices could have an even further reduced load capacity. For example, anti-ligature curtain tracks may separate too easily if the curtain weight isn't accounted for.



Standard load bracket

Our standard strength bracket which features across the board as the default magnet and disk combination. We use our standard strength magnet housed within a bracket and a large chamfered disk (KD4S) on the product. The breakaway load for a standard load bracket is approximately 20kg per bracket/magnet.



Medium load bracket

The medium load bracket uses a standard strength magnet with a small chamfered disk (KD5S), the reduced surface area of the disk lessens the maximum weight needed to separate the device. The breaking point for this bracket is approximately 17kg per bracket/magnet.



Low load bracket

The low load bracket features a magnet with lower magnetism than the above and it is paired with a large chamfered disk (KD4S). This gives the device a breaking point of approximately 13kg per bracket. The lower weight magnets are coloured black for easy recognition.



Risk Assessments Needed

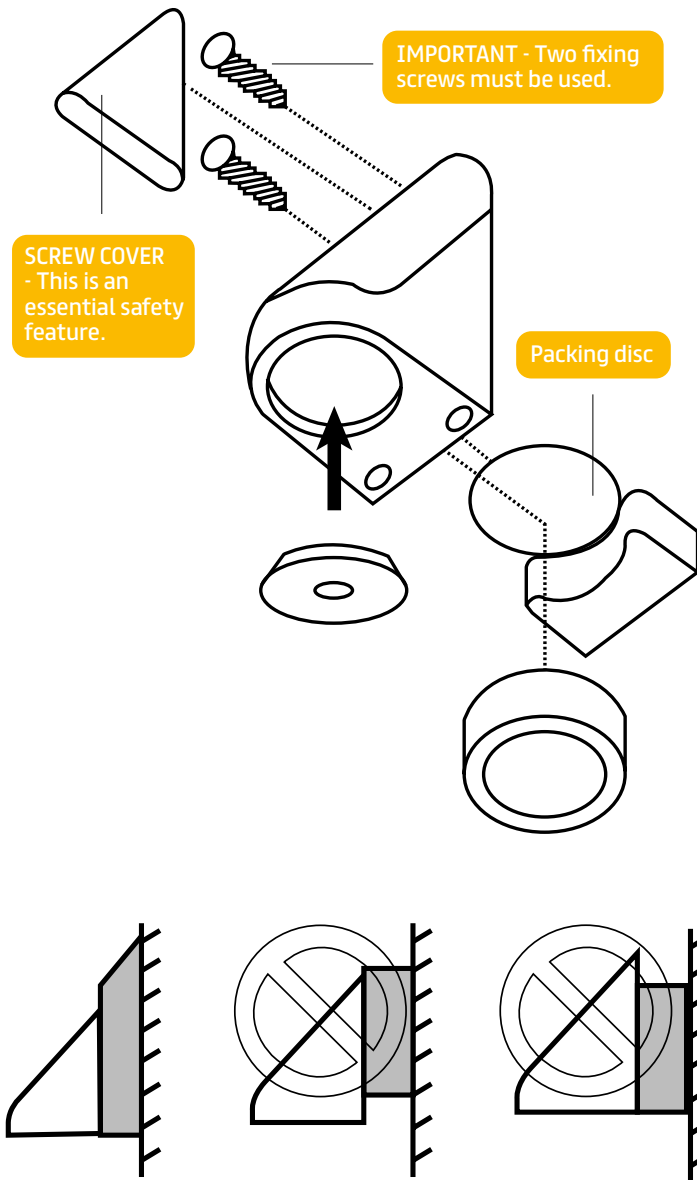
All environments need to be risk-assessed by the Trust before installation as our listed load capacities are recommendations and guides and should be tested by the appropriate parties prior to installation. The break points listed can vary and the figures are a result of an average break-point weight found through testing.

O+M Guidance

It is an NHS Estates requirement that items suspended on load-release support systems should be maintained and load-tested in accordance with the manufacturer's instructions on an annual basis. The YewdaleKestrel® system is maintenance free and its performance remains constant even after repeated use. It is a requirement, however, to carry out a physical inspection of YewdaleKestrel® fittings to identify any possible damage or evidence of tampering and undertake an annual load test.

YewdaleKestrel® Bracket

Diagram 63 (K555PC)



Fix as shown using suitable fixings. It is important that the bracket is securely fixed to the substrate and care must be taken to ensure that no ligature points are left once installation has been completed. If a degree of float is required in the magnet, the packing disc may be discarded. Once the bracket position has been confirmed by testing, the push-in screw cover **MUST** be fitted ensuring that it is flush with the bracket body.

The push-in screw cover is intended to be a tight fit to prevent unauthorized access to fixings.

If the bracket is being fixed to a batten or packer see diagram below.

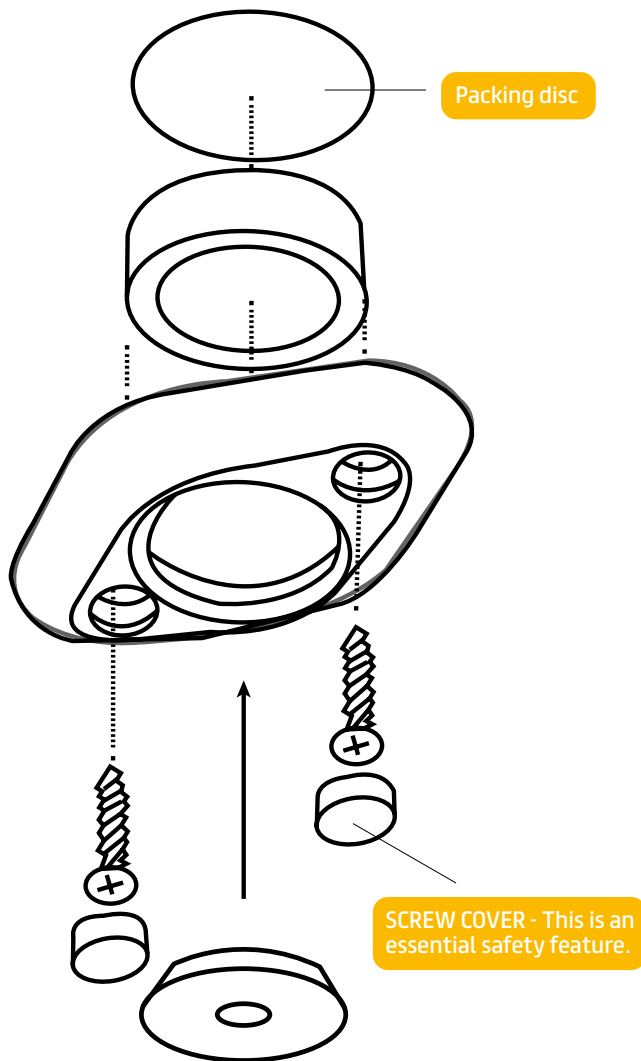
Discs should be horizontal and centre of gravity of load should be directly beneath centre-line of discs. Test completed installation. The downward force needed to part the brackets should never be more than 400N (40kg static load) at any point.

Warning: The magnetic element of the YewdaleKestrel® bracket is **POWERFUL**. Handle with care.

If allowed to attach to a flat steel surface it may be difficult to remove.

DO NOT PLACE NEAR SENSITIVE ELECTRONIC EQUIPMENT.

Diagram64 (K558PC)



Fix as shown using suitable fixings. It is important that the bracket is securely fixed to the substrate and care must be taken to ensure that no ligature points are left once installation has been completed. If a degree of float is required in the magnet, the packing disc may be discarded. Once the bracket position has been confirmed by testing, the push-in screw cover **MUST** be fitted ensuring that it is flush with the bracket body.

The push-in screw cover is intended to be a tight fit to prevent unauthorized access to fixings.

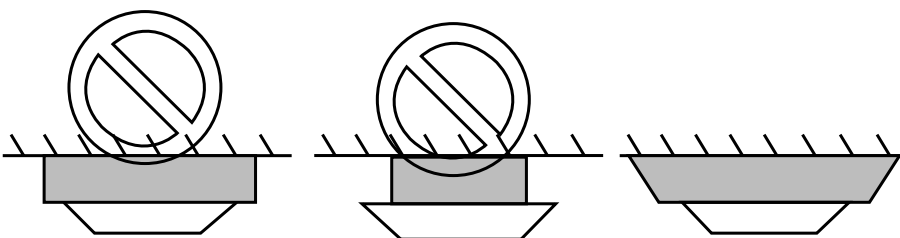
If the bracket is being fixed to a batten or packer see diagram below.

Discs should be horizontal and centre of gravity of load should be directly beneath centre-line of discs. Test completed installation. The downward force needed to part the brackets should never be more than 400N (40kg static load) at any point.

Warning: The magnetic element of the YewdaleKestrel® bracket is **POWERFUL**. Handle with care.

If allowed to attach to a flat steel surface it may be difficult to remove.

DO NOT PLACE NEAR SENSITIVE ELECTRONIC EQUIPMENT.



Load Testing Information

Load Testing Information

It is an NHS Estates requirement that items suspended on load-release support systems should be maintained and load-tested in accordance with manufacturers instructions. Please contact manufacturer for details.

Maintenance

The YewdaleKestrel® System is maintenance free, although it is advisable to carry out a visual inspection of fittings to identify any possible damage or evidence of tampering.

Loading Figures

No part of a YewdaleKestrel® installation should be able to withstand a vertically downward force of more than **400 Newtons**, equivalent to a static load of approximately **40kg**. Most readings will be in the region of **15-30kg**, depending on track configuration and proximity to brackets.

The greatest loading will usually be found in the centre of a short span between two brackets.

Testing Method

Equipment required:

K850 Force Gauge / K851 Digital Force Gauge
Custom extension support rods with base such as used for plasterboard ceilings or similar.
Personal protective equipment as necessary.

Method:

1. Position support rods at appropriate points under track to be tested ensuring a gap between the underside of the track and the support rod of approximately 100mm.
2. Attach K850 test balance to track at required point by cord supplied.
3. Ensure the static pointer is set to zero (this must be done before commencing each test).
4. Pull vertically downwards on lower handle with gradually increasing force until track releases from bracket(s).
5. Read off loading figure as indicated by the static pointer.
6. Record on data sheets if required by client.

N.B. This testing equipment and method is only suitable for use with YewdaleKestrel® products.

Warning

Sensitive electronic equipment may be damaged by proximity to a magnetic field. Heart pacemakers will not be affected by the magnetic brackets in normal use, but if a pacemaker is placed against a magnetic bracket (i.e.: less than 15cm or 6 inches) it may malfunction.

Manufactured by Yewdale, Enterprise Way, Wickford, Essex, SS11 8DH.

In the event of any alteration to system, contact manufacturer to check suitability of product and installation.
YewdaleKestrel Magnetic Anti-Ligature System Patented

For the attention of all ward staff:

This area has been fitted with items suspended on the YewdaleKestrel® Magnetic Anti-ligature System. The system has been designed to reduce the risk of self-harm by patients and allows curtain tracks and other items to collapse when subjected to an abnormal load.

After an incident has occurred it should normally be possible to reinstate the items simply by lifting it so that the steel discs on the top of the item are immediately below the magnetic brackets. The magnetic force will then raise the item to its correct position.

Maintenance

The YewdaleKestrel® Magnetic Anti-ligature System requires no maintenance other than normal cleaning procedures.

Warning

Items suspended on the YewdaleKestrel® Magnetic Anti-ligature System will come down when pulled! Any load release device, by its nature, may cause damage when operated.

DO NOT apply heavy downward pressure to the item.

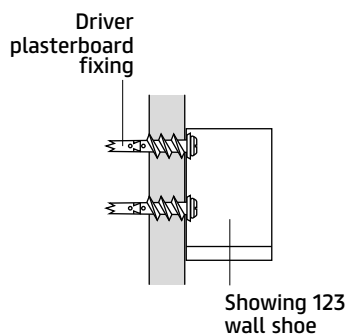
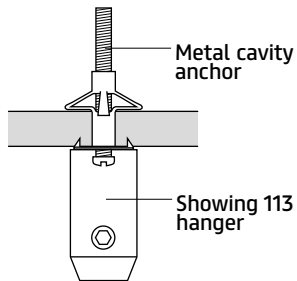
DO NOT hang heavy objects from the item.

Sensitive electronic equipment may be damaged by proximity to a magnetic field.

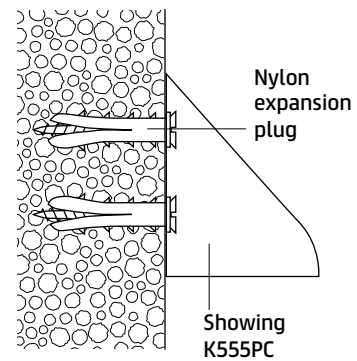
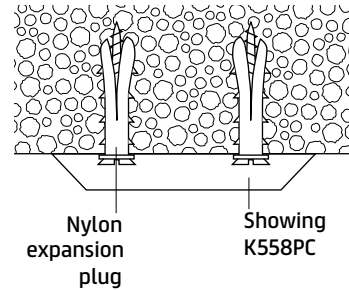
HEART PACEMAKERS will not be affected by the magnetic brackets in normal use, but if a pacemaker is placed against a magnetic bracket (i.e.: less than 15cm or 6 inches) it may malfunction.

Recommended fixing details

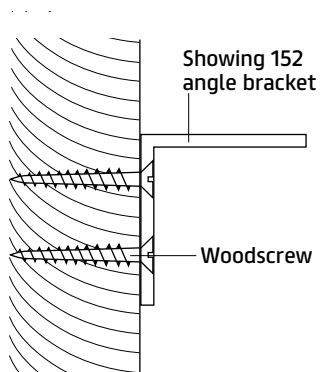
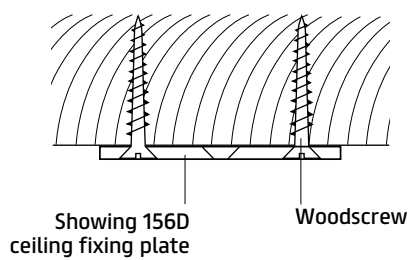
For cavity situations



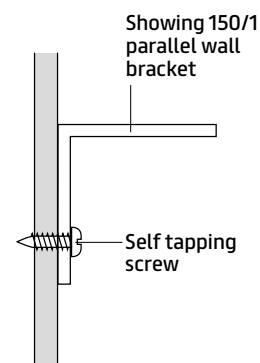
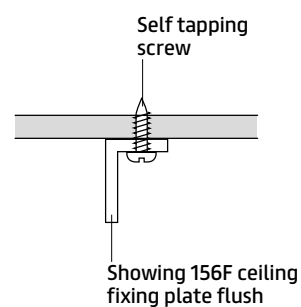
For brickwork situations (or similar)



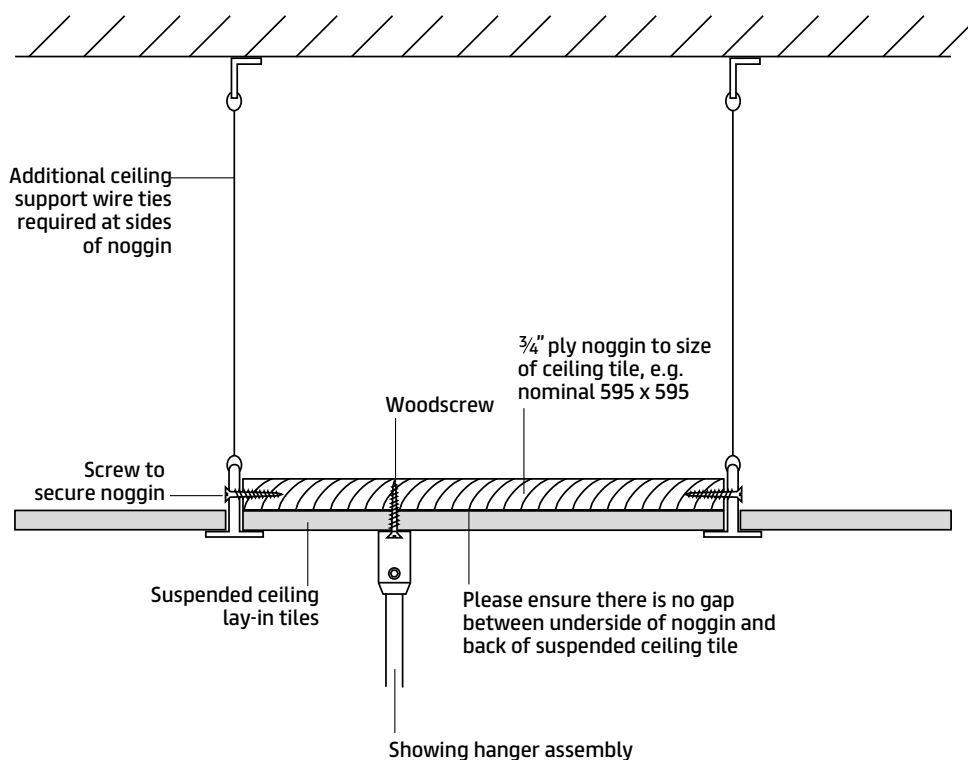
For timber situations



For metal situations



For situations involving fixing hangers to a suspending ceiling



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|------------------------------------|---|--|--|
| C/SIB 1976 reference by SIB Agency | | | |
| (76.7) | X | | |
| | | | |



Head office:
Enterprise Way,
Wickford, Essex SS11 8DH
Call +44 (0)1268 570900
Fax +44 (0)1268 732509
Email sales@yewdale.co.uk
Visit yewdale.co.uk

Office and showroom:
4 Sutton Lane,
London EC1M 5PU
Call +44 (0) 203 818 5905

For more information on all
Yewdale products, please call
the sales department.



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