



FOLDING DOOR TRACK SYSTEMS



FOR DOOR WEIGHT UP TO 25 kg

AN AUSTRALIAN COMPANY

Established 1890



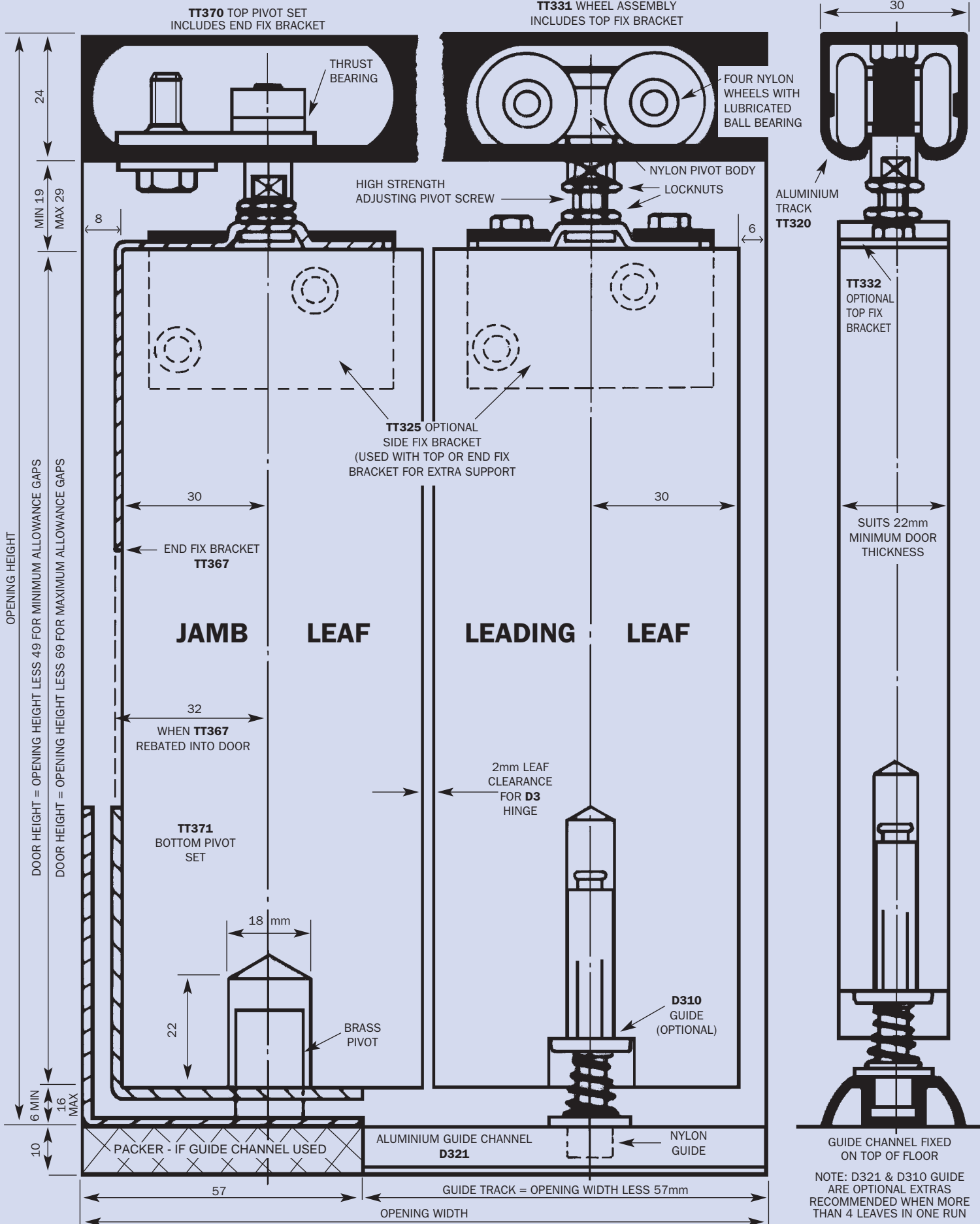


ARCHITECTURAL DETAILS

(Scale: Full Size – Dimensions in mm)

SIDE AND TOP FIX APPLICATIONS

FOLDING DOOR TRACK SYSTEMS





Triumph

FOLDING DOOR TRACK SYSTEMS

The **Triumph Folding Door Track System** is designed for use in residential and light commercial application. The Specifications relating to door width, and weight are based on a four leaf run. Six leaves would be the recommended maximum in any one run, however, longer runs using light weight doors such as Shoji or similar screen applications are acceptable. The "Mariner" TT370SS top pivot set, TT371SS bottom pivot set and TT335 stainless steel wheel assembly, along with Cowdroy stainless steel hinges, make it ideal for external conditions.

The system is "Top Supported" therefore the header must be capable of supporting the weight of the doors and components.

FEATURES:

- END OR CENTRE PIVOTING
- FOUR NYLON WHEELS WITH LUBRICATED BALL BEARINGS
- NYLON PIVOT BODY
- THRUST BEARING ON JAMB LEAF PIVOT
- HIGH STRENGTH ADJUSTING PIVOT SCREW WITH LOCKNUTS
- OPTIONAL TOP FIX, SIDE FIX OR END FIX BRACKETS
- WRAP-AROUND ALUMINIUM TRACK
- ZINC PLATED BRACKETS
- ALUMINIUM GUIDE CHANNEL WITH NYLON GUIDE
- SUITS 22mm MINIMUM LEAF THICKNESS
- BRASS PIVOT
- OPTIONAL MARINER TOP AND BOTTOM PIVOT SETS AND WHEEL ASSEMBLY
- OPTIONAL POLISHED CHROME OR POWDER COATED SILVER D3 HINGES

BENEFITS:

- LEAF WEIGHTS TO 25kg. PER LEAF
- NYLON WHEELS FOR QUIET AND SMOOTH RUNNING
- NYLON PIVOT FOR DURABILITY
- THRUST BEARING ON JAMB LEAF PIVOT POINT ENSURES EASE OF OPERATION
- ADJUSTING PIVOT ALLOWS FOR LEAF HEIGHT ADJUSTMENT OF 10mm
- OPTIONAL FIX BRACKETS ALLOW FOR VARIOUS LEAF TYPES
- ALUMINIUM TRACK FOR VISUAL APPEAL
- ZINC PLATED BRACKETS FOR CORROSION RESISTANCE
- CHANNEL GUIDE ENSURES LEAF ALIGNMENT
- CATERS FOR VARIOUS LEAF THICKNESSES ABOVE 22mm
- FOR LONG LIFE AND EASE OF ADJUSTMENT
- FOR EXTERNAL APPLICATIONS
- TO SUIT YOUR DECOR

PACKAGED SETS:

P360 is a complete packaged set with track and fittings for two folding leaf doors 450mm wide, to suit 915mm or 1220mm opening; (the track can be cut if a smaller opening size is required) and four folding leaf run to suit 1830mm opening.

P370 – The "Starter" pack – contains:

The top and bottom pivot sets, hinges and wheel assembly for the first two leaves, all fixing screws and instructions (track not included).

P372 – The "Add-On" pack – contains:

Hinges and wheel assembly for two more folding leaf doors, all fixing screws and instructions (track not included).

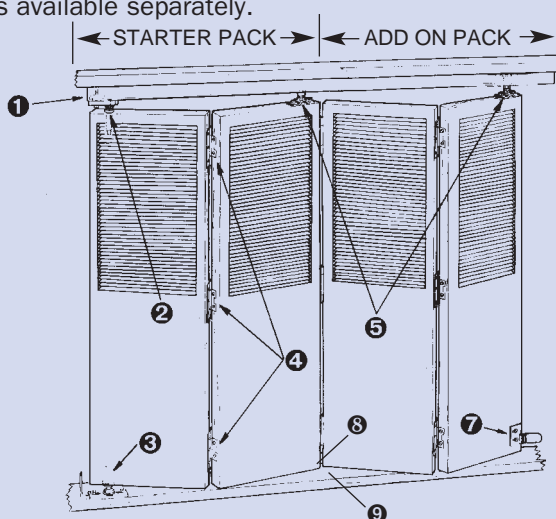
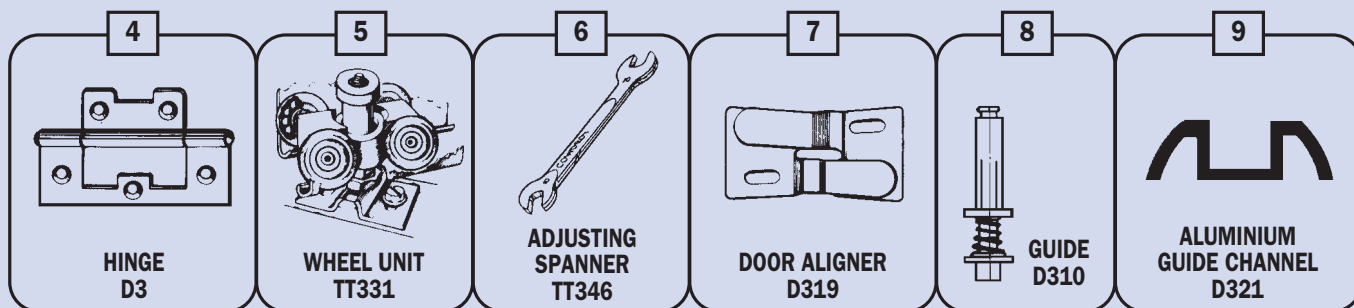
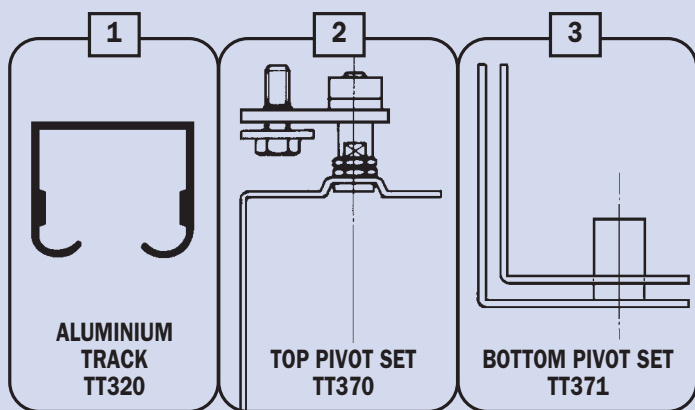
TT320 – Triumph aluminium track available in lengths of 2000, 2500, 3400, 4500mm mill and 4500mm clear anodised.

EXAMPLE: One "Starter" pack and one "Add-On" pack, plus a suitable length of track will give you a four leaf set.

Two "Starter" packs and two "Add-On" packs will give you two x four leaves butting.

The packs come complete with all fixing screws and instructions: Tracks available separately.

AVAILABLE SEPARATELY:



INSTALLATION INSTRUCTIONS

THIS IS A "TOP SUPPORTED" SYSTEM ENSURE HEADER CAN SUPPORT THE TOTAL WEIGHT OF DOORS.

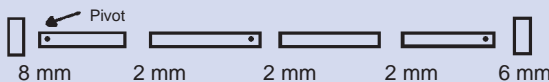
Recommended maximum

for end pivoted system	Weight	18 kg per leaf
	Width	600 mm per leaf
for centre pivoted system	Weight	25 kg per leaf
	Width	820 mm per leaf

Recommended Maximum Door Height 2140 mm

Recommended Maximum Leaf Doors – Six Leaves Per Run

- Calculate leaf width allowing 8 mm clearance for first leaf and 6 mm for last leaf and 2 mm between each other leaf. Calculate leaf height by deducting 49 mm from opening height for minimum allowable gaps to 69 mm from opening height for maximum allowable gaps.

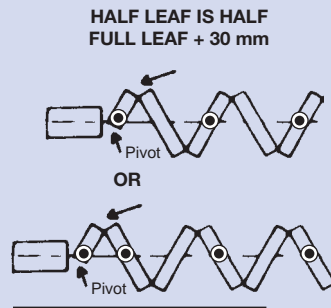


NOTE:

If door guide channel is to be used and fitted above floor level then door height is opening height minus 59 to 79 mm. Place 10 mm packer under TT371 bottom pivot set.

CENTRE PIVOT SYSTEM

The doors can also be installed as centre pivoting using a half leaf. For centre pivoted system the first leaf must be half leaf width plus 30 mm or the wheel assemblies placed 30 mm off centre towards the first hinge.



$$z = \frac{\text{opening} - (\text{clearance } 14 + \text{total hinge}) - 30}{\text{No. half doors}}$$

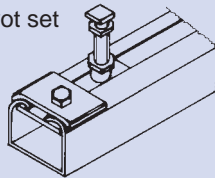
$$\text{half} = z + 30$$

$$\text{full} = z \times 2$$

Caution:

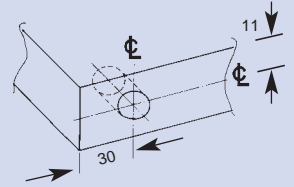
It is important that all parts are located accurately and uniformly on each leaf, otherwise the leaves, would be misaligned causing damage to the fittings and incorrect functioning.

- Cut track to length and fit top pivot set in position.

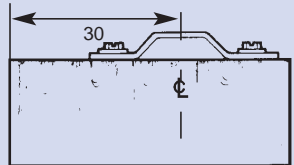


- Place wheel assemblies in track and fix track to header with #8 x 19 mm PAN screws. Drill 5 mm holes and fix additional screws through the track into the header, in a position above the doors when they are in the folded open position, to securely support the weight of the doors. Fix bottom jamb bracket to floor, directly beneath top pivot retainer with #8 x 19 mm CSK screws.

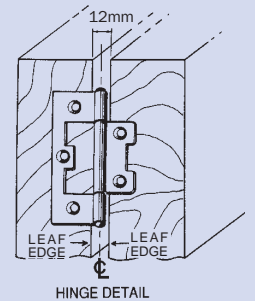
- Illustration shown L/H pair of leaves. Reverse for R/H pair of leaves. Drill first leaf for bottom pivot 18 mm diameter hole x 22 mm deep and fix bottom door bracket with #8 x 19mm CSK screws.



- Fix top fix brackets with #10 x 25 mm HEX streakers to leading edge of leaf with slot facing rear of leaf.

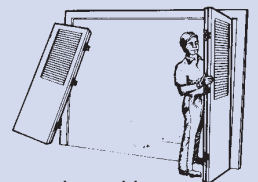


- Fix hinges using special #6 x 19 mm CSK screws by joining the first two leaves together as a pair. Screw in fixing screws as straight as possible to avoid screw heads from protruding above counter sink. If more leaves are used then fix three more hinges to edge of leading leaf, leaving one side of each hinge to be fixed later.



(The 12mm gap between the leaf when fitting the hinge is critical. Failure to correctly align hinges will result in misalignment of leaves).

- Place first pair of leaves in position. Then line up the first wheel with slot in top fix bracket. Hang leaf on wheel assembly and tighten screw and tighten lock nut. Proceed with next pair of leaves by same method and join together with free side of hinges. The pivot and wheel assemblies can now be adjusted for level height using TT346 spanner provided. Adjust so wheels take partial load and roll on track.



- If installing butting doors we recommend fitting the pair of door aligners D319, 25 mm from bottom to steady doors in closed position.

