

WINDSTRONG™

AS/NZS 4505:2012 WINDLOCKED CYCLONIC ROLLER DOORS

Installation Instruction Supplement

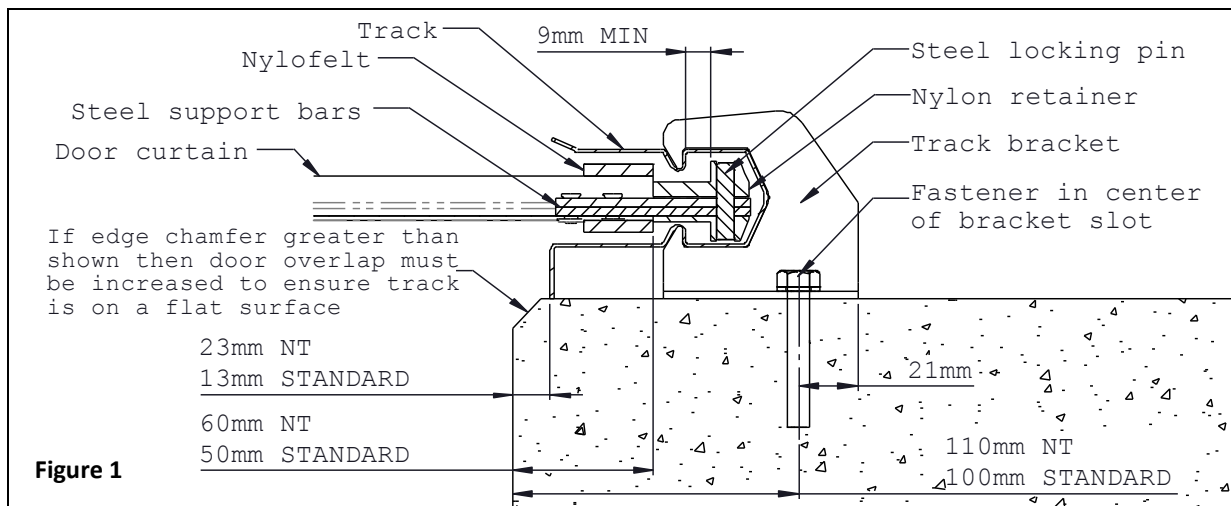
The Taurean® WINDSTRONG™ windlocked roller door has been tested and certified to comply with the requirements of AS/NZS 4505:2012 *Garage doors and other large access doors* (up to 3m high)¹. Only compliant doors can be installed in all cyclonic areas of Australia; ie Region C and Region D – northern coastal areas of QLD, NT and WA. Information on the pressure rating and maximum forces transmitted by the door to the supporting structure can be found at www.taureands.com.au/windratings, and these ratings and forces must be taken into account when designing the structure and track fastening solution.

The WINDSTRONG™ windlocked roller door has a system of rivetted steel and nylon windclips which fit into guide tracks and prevent the door from leaving the guide tracks during high winds. When the wind catches the door, it is designed to deflect in the middle, until the windclips catch in the guides and put the door curtain into tension.

Instructions

These instructions apply as a supplement to the instructions for Series ‘A’, ‘AA’, and ‘B’ doors.² Follow those instructions for installations except where as highlighted below.

1. Check the width of the door against the opening and ensure the metal sheet of the door is at least **100mm** wider. NOTE: For Northern Territory “Deemed to Comply” requirements, the overlap is **120mm** if fitted to concrete block or brickwork.



2. **Important!** All testing and certification is based on at least 9mm of travel in the windclip. When determining the horizontal position of the track, position it so that it is touching the windclips, then mark the location on the wall top and bottom and move the track back 1-2mm. The plated windclip itself should remain hidden behind the track when viewed from straight on if the track is installed correctly.

¹ Doors taller than 3m are certified according to AS1170.2 or AS4055.

² Series ‘AM’ doors with mullions cannot be windlocked.

3. A pair of brackets is supplied for every position. There are left and right handed brackets and they should be paired as in Figure 2. To prevent the brackets twisting on the bolts when under extreme wind load, the brackets must be positioned back-to-back.

Brackets must be installed with the fastener in the center of the slot to allow the track to potentially travel in the worst case scenario of an extreme wind event.

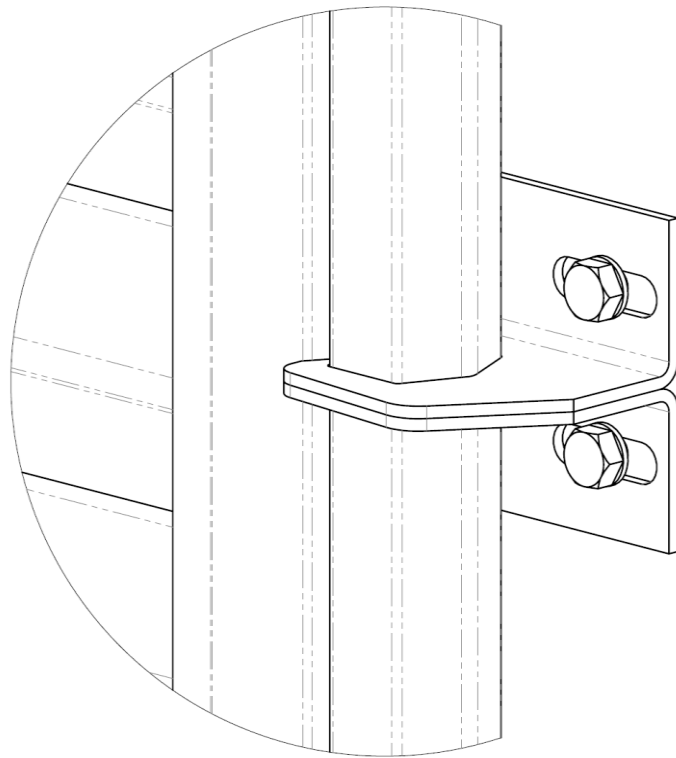


Figure 2

4. **Important!** The Wind-lock Track Brackets are to be positioned vertically up the tracks such that they are **exactly adjacent** (within 10mm) to each Nylon Retainer when the door is in the closed position.

See Figure 3 and Table 1 for bracket details and fastener locations.

Table 1) Taurean WINDSTRONG™ DOOR Bracket QTY's			
Height (mm)	LH Brackets	RH Brackets	(TOTAL)
1200	16	16	(32)
2200	30	30	(60)
2500	34	34	(68)
2800	40	40	(80)
3100	44	44	(88)
3500	50	50	(100)
3900	54	54	(108)
4300	60	60	(120)
4600	64	64	(128)
5100	70	70	(140)

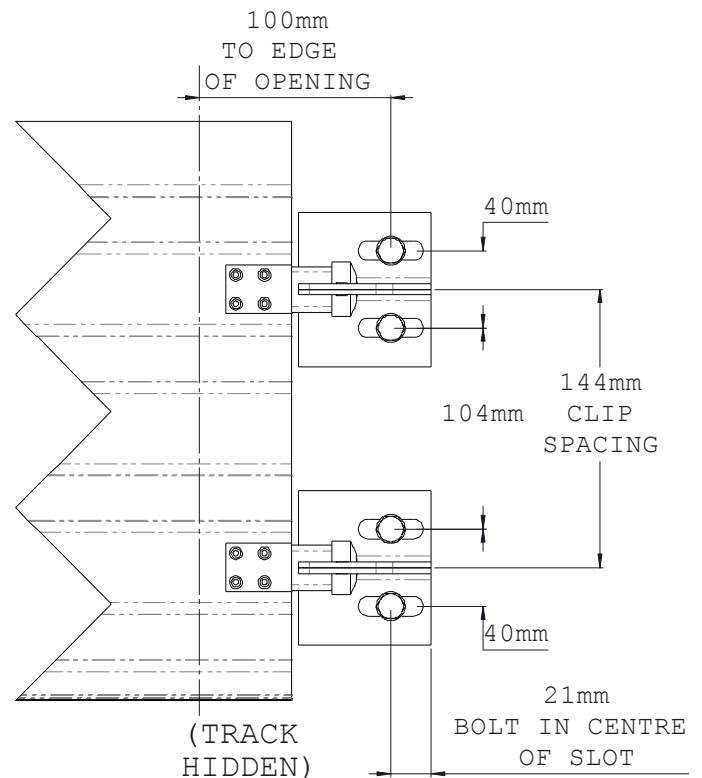


Figure 3

5. Prior to fixing the Guide Tracks to the wall, ensure the tops are formed as in Figure 4

- The 65mm high rear side is bent back from above the Top Stop at 15°.
- 8mm of the tip is bent back a further 45° where the Nylofelt webbing runs to avoid the sharp end from catching on the webbing. Bend remaining corner clear, as noted.
- The rear half of the angled side face is bent outward at about 5 degrees to allow clear entry of the nylon retainers into the track.

Once the tracks are installed, if required, these lead-in angles should be adjusted to ensure there is smooth entry of the nylon retainers and curtain from the roll and into the guide track top.

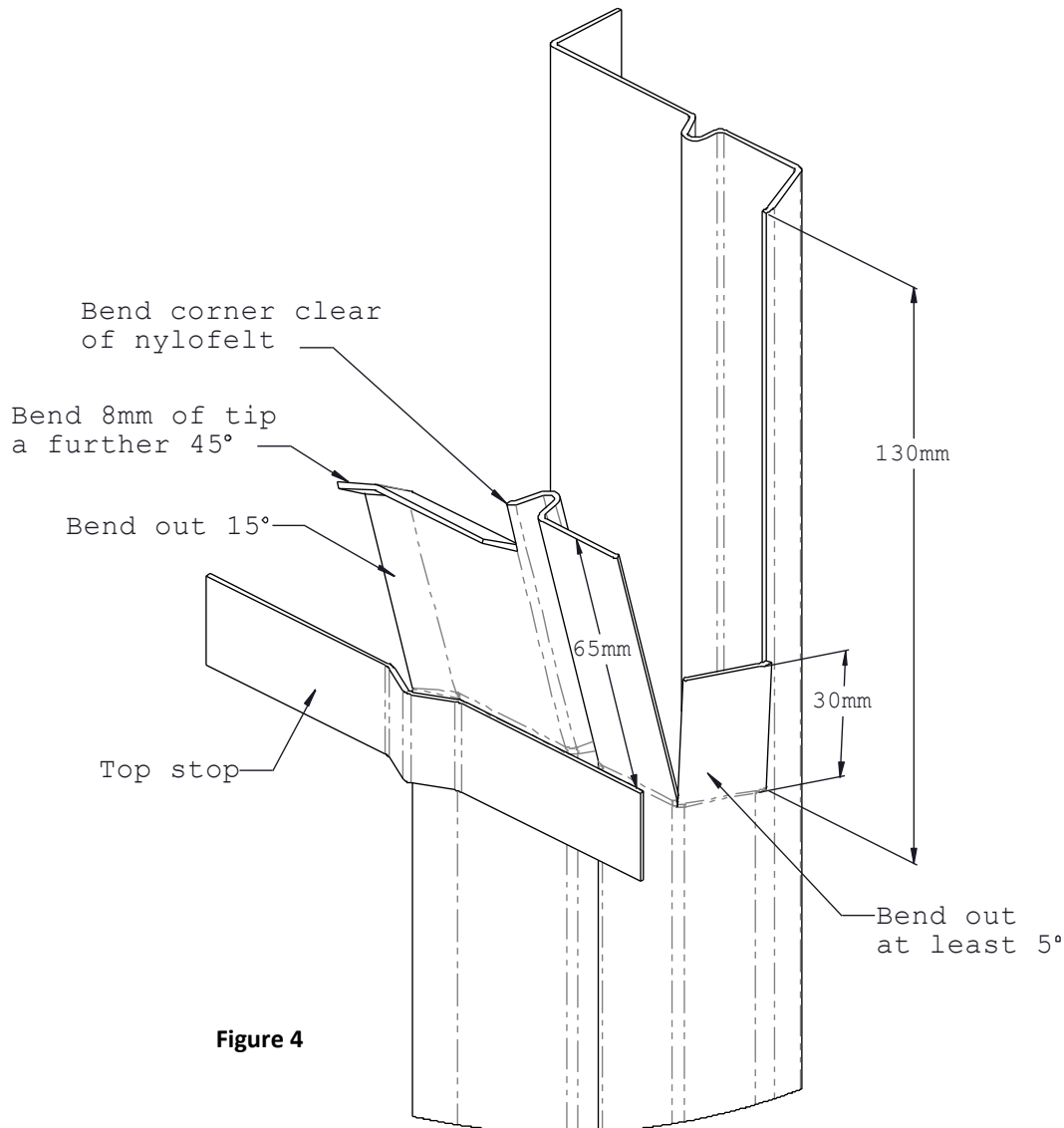


Figure 4

For more information contact Taurean Door Systems, Bayswater North, VIC (03) 9721 8366.

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