



TESS 100

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Detailed description

Versatile tensioned fabric system without headbox for glazed facades, rooflights and atria. Options for internal or external application.

Features and benefits:

- Fitted with a single barrel tension system which produces smooth, quiet travel.
- Built around a unique spring mechanism which constantly holds fabric flat and adapts to the surrounding environment.
- Relieving rollers allow the blinds to follow the direction of the glass, in any angle or direction.
- Can be applied to glazing of any scale or shape.
- Reliable and robust.

TESS 100:

- Manufactured to overcome the challenges of curved glazing.
- Rectangular in shape.
- Ultra-thin cables maintain fabric tension.
- No guides required.
- Discrete design.

TESS 101:

- Manufactured to cover 90° triangles and corners.
- Shaped like a right-angled triangle.
- Appropriate for flat or curved surfaces.
- No guides required.

TESS 102:

- Manufactured for special or uneven shapes, including domes and tapered windows.
- Trapezoidal in shape.
- An adaptable solution.
- No guides required.
- Ultra-thin cables maintain fabric tension.

TESS 120:

- Used where tensioned fabric is required for lighter structures; designed to minimize the load imposed.
- Rectangular in shape.

Guthrie Douglas

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- With aluminium guide rails for maximum stability and to retain the tension force of the blind.
- The weight of the system is distributed via multiple fixing points.

TESS 140:

- Clean-cut design.
- Rectangular in shape.
- Designed to deliver reliability.
- Slim, 5 mm diameter wire guides and flexible brackets make it easy to design into the glazing surround for near invisibility.
- Suitable for both internal and external use.

Installation:

- TESS 100, 101 and 102: Top or back of the window.
- TESS 120 and 140: Top, back or side of the window.

CE marked.

Product guidance - As Standard

Material:

Relieving rollers: Aluminium.

Weight (excluding fabric):

- TESS 100, 101 and 102: 7.5 kg (approximately).
- TESS 120: 9 kg (approximately).
- TESS 140: 9.5 kg (approximately).

Fabric area:

- TESS 100: Maximum fabric area of ≤ 16 m².
- TESS 101: Maximum fabric area of ≤ 9 m².
- TESS 102: Maximum fabric area of ≤ 16 m². System draw from 1000–6500 mm; see manufacturer's literature for information.
- TESS 120: Maximum fabric area of ≤ 16 m².
- TESS 140: Maximum fabric area of ≤ 18 m².

Technical characteristics:

- Fabric draw: TESS 100, 102, 120 and 140: ≤ 6500 mm; TESS 101: ≤ 5000 mm.
- Fixing load: TESS 100, 101, and 102: ≤ 36 kg (per bracket); TESS 120: 5 kg (per fixing point); TESS 140: ≤ 100 kg (per bracket).
- Fabric tension: > 100 N.
- Operating temperature: 0–55°C.
- Motor: 15 Nm (17 rpm).
- Maximum running time: 4 minutes.



- Fabric speed: 5 m per minute (approximately).

Product specification

Manufacturer

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- Product reference**
- TESS 100 - For curved or vaulted glazing.
 - TESS 101 - For triangular or domed glazing.
 - TESS 102 - For flat, curved or sloped glazing.
 - TESS 120 - For light structures, retrofit.
 - TESS 140 - For atria, rooflights and facades.

Blind type [_____]

Width [_____]

Voltage 120 V - 60 Hz, 130 W, 1.1 A.
230 V - 50 Hz, 140 W, 0.65 A.

Brackets Polyester powder coated aluminium, RAL -
As standard. Consult manufacturer for
available colours.
Stainless steel - For TESS 100 only.

Control Radio
Wired

Accessories [Not required]
[Low profile pulley] - For TESS 140 only.