

TECHNICAL GUIDE

SHADING TENSION SYSTEMS SPECIFICATIONS

	TESS 100	TESS 101 *	TESS 102 *	TESS 120	TESS 140
Location	Internal	Internal	Internal	Internal	Internal
Typical use	Curved or vaulted glazing	Flat, curved or sloped glazing	Flat, curved or sloped glazing	Light structures, retrofit	Atria, skylights, facades
Shape	Rectangular	Right angled triangle	Trapezoid	Rectangular	Rectangular
Running direction	Any	Any	Any	Any	Any
Guides	None	None	None	Aluminium profile	Ø5 mm stainless steel wire
Width	870 mm - 4000 mm	870 mm - 4000 mm	870 mm - 4000 mm	870 mm - 4000 mm	870 mm - 4000 mm
Draw **	≤6500 mm	≤5000 mm	≤6500 mm	≤6500 mm	≤6500 mm
Fabric area	≤16 m ²	≤9 m ²	≤16 m ²	≤16 m ²	≤18 m ²
Brackets	Aluminium, stainless steel	Aluminium	Aluminium	Aluminium	Aluminium
Relieving rollers	Aluminium	Aluminium	Aluminium	Aluminium	n/a
Finish	RAL powder coat	RAL powder coat	RAL powder coat	RAL powder coat	RAL powder coat
Installation options	Top, back	Top, back	Top, back	Top, back, side	Top, back, side

	TESS 400	TESS 401 *	TESS 402 *	TESS 420	TESS 440
Location	External	External	External	External	External
Typical use	Curved or vaulted glazing	Flat, curved or sloped glazing	Flat, curved or sloped glazing	Light structures	Atria, skylights, facades
Shape	Rectangular	Right angled triangle	Trapezoid	Rectangular	Rectangular
Running direction	Any	Any	Any	Any	Any
Guides	None	None	None	Aluminium profile	Ø5 mm stainless steel wire
Width	870 mm - 4000 mm	870 mm - 4000 mm	870 mm - 4000 mm	870 mm - 4000 mm	870 mm - 4000 mm
Draw **	≤6500 mm	≤5000 mm	≤6500 mm	≤6500 mm	≤6500 mm
Fabric area	≤16 m ²	≤9 m ²	≤16 m ²	≤16 m ²	≤16 m ²
Brackets	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Relieving rollers	Aluminium	Aluminium	Aluminium	Aluminium	n/a
Finish	RAL powder coat	RAL powder coat	RAL powder coat	RAL powder coat	RAL powder coat
Installation options	Bottom, back	Bottom, back	Bottom, back	Bottom	Bottom, back

	TESS 600	TESS 601 *	TESS 602 *	TESS 660	TESS 640
Location	Internal	Internal	Internal	Internal & external	Internal & external
Typical use	Curved or vaulted glazing	Flat, curved or sloped glazing	Flat, curved or sloped glazing	Skylights, blackout	Skylights, facades
Shape	Rectangular	Right angled triangle	Trapezoid	Rectangular	Rectangular
Running direction	Any	Any	Any	Any	Any
Guides	None	None	None	Aluminium profile	Ø6 mm steel rod
Width	650 mm - 3000 mm	650 mm - 3000 mm	650 mm - 3000 mm	650 mm - 3000 mm	650 mm - 3000 mm
Draw **	≤3000 mm	≤3000 mm	≤3000 mm	≤3000 mm	≤3000 mm
Fabric area	≤9 m ²	≤9 m ²	≤9 m ²	≤9 m ²	≤9 m ²
Brackets	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Relieving rollers	Aluminium	Aluminium	Aluminium	n/a	n/a
Finish	RAL powder coat	RAL powder coat	RAL powder coat	RAL powder coat	RAL powder coat
Installation options	Top, back	Top, back	Top, back	Top, recess	Top, back

	TESS 200	TESS 308	TESS 312	TESS 512
Location	Internal	Internal	Internal	Internal & external
Typical use	Skylights, atria	Facades, atria	Facades, atria	Skylights, outdoor areas
Shape	Rectangular	Rectangular	Rectangular	Rectangular
Running direction	Any	Vertical drop down	Vertical drop down	Horizontal
Guides	None	Ø2.8 mm steel wire	Ø2.8 mm steel wire	Ø6 mm stainless steel wire
Width	1300 mm - 4000 mm	718 mm - 4200 mm	970 mm - 6000 mm	2000 mm - 6000 mm
Draw **	≤18,000 mm	≤6,000 mm	≤12,000 mm	≤18,000 mm
Fabric area	≤60 m ²	≤25 m ²	≤72 m ²	≤100 m ²
Brackets	Aluminium	Aluminium	Aluminium	Steel
Relieving rollers	Aluminium	n/a	n/a	n/a
Finish	RAL powder coat	RAL powder coat	RAL powder coat	RAL powder coat
Installation options	Top, back, side	Top, back	Top, back	Back

* Data dependent on running direction ** Maximum draw dependent on system width

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Errors and omissions excepted.