

# THOMAS MERCER 'OBSERVATORY'

## GRAND COMPLICATION

Case	
Material	AISI 316 stainless steel
Finish	Hand polished
Suspension	Double gimbals, counterbalance free
Glasses	Extra-white crystal and Rock Crystal
Dimensions	Base diameter: 550 mm Top ring diameter: 468 mm Height: 330 mm

Dial	
Material	Solid brass
Finish	Rhodium and 4N Gold electroplating, dial mask featuring grené technique and Gold plated Indexes
Setting	Ziricote, Santos Rosewood, Lapis-Lazuli and Mother of Pearl
Hands	Blued steel, hand made

Wooden Base and Settings	
Main Timber	Ziricote and Santos Rosewood
Finish	A/C lacquer 90% sheen, full grain finish, burnished

Mechanism	
Calibre	TM3001
Power Reserve	30 days
Escapement	Flying Detent Tourbillon
Oscillator	Bimetallic balance with cylindrical weights
Drive	Mechanical spring with Double Fusee and Steel chain system
Frequency	14.400 bph
Jewels	56
Functions and Indications	Perpetual Calendar with Equation of Time
	Hour, Minute, Second
	Jumping 24 Time Zones
	Power Reserve Indicator
	24 Hour Day and Night Indication
	Outsize Year and Leap Year
	Moon Phase and Moon Age
	Zodiac
Day of the Week, Day of the Month, Month	
Winding	Remote on bezel
Setting	Remote on bezel
Start and Stop	Remote on bezel
Finish	Rhodium and 4N plated
	Cotes de Genève, Anglage, Perlage and Cerclage
Dimensions	Diameter: 307 mm Height: 120 mm