

Configuration 129

TS600ASI2600x075i

All measures in [mm]



Active

Identifier

TS600ASI2600R75T174

Old

Interim Config with 0.75 Riccardi Reducer and M63 WO Rotator

L	Telescope or Camera Lens		TSO APO 90/600	
	<input type="text" value="599"/>	Focal Length (f-OL)	Type	<input type="text" value="Telescope"/> Brand <input type="text" value="TS-Optics"/>
	<input type="text" value="312,2"/>	Backfocus (f-bak)	Type Of Build	<input type="text" value="APO Triplet Refractor"/>
	<input type="text" value="286,8"/>	Virtual Optical Path Length	Lens Diameter	<input type="text" value="90"/> Aperture <input type="text" value="6,7"/>

F	Focuser and EAF Parameter			
	<input type="text" value="M90 TS600 Rack + Pinion Focuser"/>	EAF Step [mm/step]	<input type="text" value="0,00290"/>	EAF max <input type="text" value="28500"/>
	Max. Travel Distance mm <input type="text" value="82,66"/>	EAF Backlash	<input type="text" value="20"/>	EAF Accuracy <input type="text" value="1"/>

O	Other Optical Devices and Special Components	<input type="text" value="M63 Riccardi 0.75 Reducer"/>	Magnification	<input type="text" value="0,75"/>
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C	Camera Details	<input type="text" value="ZWOASI2600"/>	ZWO Optical	<input type="text" value="ZWOASI2600"/>
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T Configuration Details (Sequence from telescope to camera sensor)

Pos.#	Optical Length	Telescope Tail Component	Weight	Brand
<input type="text" value="0"/>	<input type="text" value="0,00"/>	<input type="text" value="TS600/90 Tube w/o focuser"/>	<input type="text" value="2.853"/>	<input type="text" value="TS Optics"/>
<input type="text" value="1"/>	<input type="text" value="77,25"/>	<input type="text" value="M90 TS600 Rack + Pinion Focuser + EAF"/>	<input type="text" value="1.923"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="2"/>	<input type="text" value="20,60"/>	<input type="text" value="M63 WO Rotator"/>	<input type="text" value="300"/>	<input type="text" value="William Optics"/>
<input type="text" value="3"/>	<input type="text" value="0,00"/>	<input type="text" value="M63 Riccardi 0.75 Reducer"/>	<input type="text" value="500"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="4"/>	<input type="text" value="3,00"/>	<input type="text" value="M63m-M48m Adapter"/>	<input type="text" value="45"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="5"/>	<input type="text" value="0,00"/>	<input type="text" value="M54m-M48f Ring"/>	<input type="text" value="20"/>	<input type="text" value="ZWO Company"/>
<input type="text" value="6"/>	<input type="text" value="21,00"/>	<input type="text" value="M54 Extension 21"/>	<input type="text" value="50"/>	<input type="text" value="ZWO Company"/>
<input type="text" value="7"/>	<input type="text" value="18,00"/>	<input type="text" value="M54 Filter Slider w. Filter"/>	<input type="text" value="107"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="8"/>	<input type="text" value="0,50"/>	<input type="text" value="M54 Finetuning Ring 0.5mm"/>	<input type="text" value="10"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="9"/>	<input type="text" value="16,50"/>	<input type="text" value="M54 Extension 16.5"/>	<input type="text" value="40"/>	<input type="text" value="ZWO Company"/>
<input type="text" value="10"/>	<input type="text" value="17,50"/>	<input type="text" value="ASI 2600 MC AIR"/>	<input type="text" value="760"/>	<input type="text" value="ZWO Company"/>
Total	<input type="text" value="174,35"/>	Length in mm	<input type="text" value="6.608"/>	Weight [gr]

V Focus Calculation

L	<input type="text" value="312,20"/>	Backfocus	Optical Factor	<input type="text" value="0,75"/>
T	<input type="text" value="174,35"/>	./. Telescope Tail Length [mm]		

V	<input type="text" value="39,15"/>	Measured [mm]	Measured EAF Position [Steps]	<input type="text" value="13500"/>
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Calculated Optical Parameters

<input type="text" value="2,25"/>	Horizontal FoV [°]	Dawes Limit	<input type="text" value="1,7429"/>
<input type="text" value="1,50"/>	Vertical FoV [°]	OpticalScale [arcs/pixel]	<input type="text" value="1,2952"/>

Add ~ 350 steps or 1.0mm if a filter is used.