

Configuration 079

TS600AS294T252

New Label

TS600AS294



Active

All measures in [mm]

Old Label

Config04c

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"/>		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 WO Rotator"/>	Magnification	<input type="text" value="1"/>
C	Camera Details		<input type="text" value="ZWOASI294"/>	<input type="text" value="ZWO"/>	<input type="text" value="ZWOASI294"/>
T	Telescope Tail Details (Sequence from back of telescope to camera sensor)				

Optical Length	Pos.#	Telescope Tail Component	Brand	
<input type="text" value="50,00"/>	<input type="text" value="0"/>	<input type="text" value="M90 50mm Extension"/>	<input type="text" value="TS-Optics"/>	
<input type="text" value="50,00"/>	<input type="text" value="1"/>	<input type="text" value="M90 50mm Extension"/>	<input type="text" value="TS-Optics"/>	
<input type="text" value="77,25"/>	<input type="text" value="2"/>	<input type="text" value="M90 TS600 Rack + Pinion"/>	<input type="text" value="TS-Optics"/>	
<input type="text" value="20,60"/>	<input type="text" value="3"/>	<input type="text" value="M63 WO Rotator"/>	<input type="text" value="William Optics"/>	
<input type="text" value="3,00"/>	<input type="text" value="4"/>	<input type="text" value="M63/M48 Adapter"/>	<input type="text" value="TS-Optics"/>	
<input type="text" value="8,50"/>	<input type="text" value="5"/>	<input type="text" value="M48 Rotator"/>	<input type="text" value="TS-Optics"/>	
<input type="text" value="7,60"/>	<input type="text" value="6"/>	<input type="text" value="M48/T2 Adapter 7.5"/>	<input type="text" value="TS-Optics"/>	
<input type="text" value="18,00"/>	<input type="text" value="7"/>	<input type="text" value="T2 Filter Changer"/>	<input type="text" value="TS-Optics"/>	
<input type="text" value="11,00"/>	<input type="text" value="8"/>	<input type="text" value="T2 ZWO Ring"/>	<input type="text" value="ZWO Company"/>	
<input type="text" value="6,50"/>	<input type="text" value="9"/>	<input type="text" value="ASI294MC PRO"/>	<input type="text" value="ZWO Company"/>	
<input type="text" value="252,45"/>	Total Telescope Tail Length [mm]			

V	Focus Calculation			
L	<input type="text" value="312,20"/>	Backfocus		
T	<input type="text" value="252,45"/>	./. Telescope Tail Length [mm]		
V	<input type="text" value="59,75"/>	= Calc. Focuser Pos. [mm]	EAF Optimal Focuser [Steps]	<input type="text" value="20601"/>

Calculated Optical Parameters			
<input type="text" value="1,83"/>	Horizontal FoV [°]	Dawes Limit	<input type="text" value="1,7429"/>
<input type="text" value="1,24"/>	Vertical FoV [°]	OpticalScale [arcs/pixel]	<input type="text" value="1,5946"/>