

Configuration 053

TS600AS294R75E50T78

New Label

TS600AS294-R



Active

All measures in [mm]

Old Label

Config05

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="284,0"/> Optical Tube Length (L-tube)	Type Of Build	<input type="text" value="APO Triplet Refractor"/>	
	<input type="text" value="315,0"/> Backfocus (f-bak)	Lens Diameter	<input type="text" value="90"/>	Aperture <input type="text" value="6,7"/>
E	Telescope Tube Extensions	E50		
	<input type="text" value="50,00"/> Extension [mm]			
F	Focuser	TS600 Rack + Pinion		
	<input type="text" value="77,25"/> Fixed Part of Focuser	EAF Step [mm/step]	<input type="text" value="0,00310"/>	EAF max <input type="text" value="28661"/>
T	Camera Tail Details (Sequence from focuser to camera)			

Optical Length	Pos.#	Camera Tail Component	Brand
<input type="text" value="0,00"/>	<input type="text" value="0"/>	<input type="text" value="TSO 90/600 Focuser Connector"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="0,00"/>	<input type="text" value="1"/>	<input type="text" value="Riccardi 0,75 Reducer"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="20,45"/>	<input type="text" value="2"/>	<input type="text" value="M63 WO Rotator"/>	<input type="text" value="William Optics"/>
<input type="text" value="6,50"/>	<input type="text" value="3"/>	<input type="text" value="M63/M48 Adapter"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="8,50"/>	<input type="text" value="4"/>	<input type="text" value="M48 Rotator"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="7,20"/>	<input type="text" value="5"/>	<input type="text" value="M48/T2 Adapter 7.5"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="18,22"/>	<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="78,37"/>	Total Camera Tail Length [mm]		

O	Other Optical Devices and Special Components	<input type="text" value="Riccardi 0,75 Reducer"/>	Magnification	<input type="text" value="0,75"/>
C	Camera Details	<input type="text" value="ZWOASI294"/>	ZWO	<input type="text" value="ZWOASI294"/>

V Focus Calculation

L	<input type="text" value="599,00"/>	Focal Length [mm]		
L	<input type="text" value="283,96"/>	./.. Fixed Tube Length [mm]		
E	<input type="text" value="50,00"/>	./.. Extension [mm]		
F	<input type="text" value="77,25"/>	./.. Fixed Length Focuser [mm]		
T	<input type="text" value="78,37"/>	./..Camera Tail Length [mm]		
V	<input type="text" value="109,42"/>	= Calc. Focuser Pos. [mm]	EAF Optimal Focuser [Steps]	<input type="text" value="35304"/>

Calculated Picture 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"/>

Calculated Telescope Parameters

Backfocus (f-bak) = E + F + T + V	<input type="text" value="315,0"/>
Optical Tube Length = f-OL - f-bak	<input type="text" value="284,0"/>