

Configuration 119

TS1624rtAS294T228

New Label

TS1624rtAS294



Active

All measures in [mm]

Old Label

| | | | | | | |
|----------|--|-------------------------------------|--|---|----------------------------------|--|
| L | Telescope or Camera Lens | | TSO RC 203/1624 | | | |
| | <input type="text" value="1624"/> | Focal Length (f-OL) | Type | <input type="text" value="Telescope"/> | Brand | <input type="text" value="TS-Optics"/> |
| | <input type="text" value="254,0"/> | Backfocus (f-bak) | Type Of Build | <input type="text" value="Ritchey-Chretien Reflector"/> | | |
| | <input type="text" value="1370,0"/> | Virtual Optical Path Length | Lens Diameter | <input type="text" value="203"/> | Aperture | <input type="text" value="8,0"/> |
| F | Focuser and EAF Parameter | | | | | |
| | <input (tilt="" flange)"="" focuser="" pinion="" rack="" type="text" value="M90 2.5"/> | | EAF Step [mm/step] | <input type="text" value="0,00328"/> | EAF max | <input type="text" value="35058"/> |
| | Max. Travel Distance mm | <input type="text" value="102,57"/> | EAF Backlash | <input type="text" value="255"/> | EAF Accuracy | <input type="text" value="1,1224"/> |
| O | Other Optical Devices and Special Components | | - | | 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="15,00"/> | <input type="text" value="1"/> | <input type="text" value="M90 Tilting Adaptor TSO"/> | <input type="text" value="TS-Optics"/> | | |
| <input type="text" value="88,10"/> | <input type="text" value="2"/> | <input +="" fla"="" focuser="" pinion="" rack="" tilt="" type="text" value="M90 2.5"/> | <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="228,30"/> | Total Telescope Tail Length [mm] | | | | |

| | | | | |
|----------|-------------------------------------|-------------------------------|-----------------------------|-----------------------------------|
| V | Focus Calculation | | | |
| L | <input type="text" value="254,00"/> | Backfocus | | |
| T | <input type="text" value="228,30"/> | ./ Telescope Tail Length [mm] | | |
| V | <input type="text" value="25,70"/> | = Calc. Focuser Pos. [mm] | EAF Optimal Focuser [Steps] | <input type="text" value="7826"/> |

| | | | |
|--------------------------------------|--------------------|---------------------------|-------------------------------------|
| Calculated Optical Parameters | | | |
| <input type="text" value="0,67"/> | Horizontal FoV [°] | Dawes Limit | <input type="text" value="1,4500"/> |
| <input type="text" value="0,46"/> | Vertical FoV [°] | OpticalScale [arcs/pixel] | <input type="text" value="0,5882"/> |