

Configuration 002

TS1624cAS294E100T53

New Label

TS1624cAS294



Active

All measures in [mm]

Old Label

Config41

L	Telescope or Camera Lens		TSO RC 203/1624		
	1624	Focal Length (f-OL)	Type	Telescope	Brand TS-Optics
	1370,0	Optical Tube Length (L-tube)	Type Of Build	Ritchey-Chretien Reflector	
	254,0	Backfocus (f-bak)	Lens Diameter	203	Aperture 8,0

E	Telescope Tube Extensions		E100		
	100,00	Extension [mm]			

F	Focuser		2.5" Crayford		
	91,00	Fixed Part of Focuser	EAF Step [mm/step]	0,00228	EAF max 21907

T Camera Tail Details (Sequence from focuser to camera)

Optical Length	Pos.#	Camera Tail Component	Brand
2,06	0	2"/M48 Adapter	Omegon
8,00	1	M48 Rotator	TS-Optics
7,50	2	M48/T2 Adapter 7.5	TS-Optics
18,00	3	T2 Filter Changer	TS-Optics
11,00	4	T2 ZWO Ring	ZWO Company
6,50	5	ASI294MC PRO	ZWO Company

53,06	Camera Tail Length [mm]
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O	Other Optical Devices and Special Components	Magnification	1
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C	Camera Details	ZWOASI294	ZWO	ZWOASI294
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V Focus Calculation

L	1624,00	Focal Length [mm]
L	1370,00	./ Fixed Tube Length [mm]
E	100,00	./ Extension [mm]
F	91,00	./ Fixed Length Focuser [mm]
T	53,06	./ Camera Tail Length [mm]

V	9,94	= Calc. Focuser Pos. [mm]	EAF Optimal Focuser [Steps]	4355
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Calculated Picture Parameters

0,67	Horizontal FoV [°]	Dawes Limit	1,4500
0,46	Vertical FoV [°]	OpticalScale [arcs/pixel]	0,5882

Calculated Telescope Parameters

Backfocus (f-bak) = E + F + T + V	254,0
Optical Tube Length = f-OL - f-bak	1370,0