

ASA400

400 MM TELESCOPE – OPEN TRUSS TUBE CARBON, OPTIC DESIGN DIPL. PHYS. PHILIPP KELLER		
Version	Cassegrain	Ritchey-Chrétien
Item number	ASA400CA	ASA400RC
Aperture	400 mm	400 mm
Focal Length	3600 mm	3200 mm
Focal Ratio	f9	f8
Back Focus	400 mm**	400 mm**
Field of View	76 arc mins	86 arc mins
Main mirror specs	Cassegrain	Ritchey-Chrétien
Optical Diameter	400 mm	400 mm
Mirror Diameter	410 mm	410 mm
Mirror material	AstroSitall	AstroSitall
Coating	Al+SiO2 Coating with 91% Reflexion	
Surface quality	L/8 PtV Wavefront > 95 strehl	
Mirror thickness	50 mm	50 mm
Mirror cell	9 point floating	9 point floating
Secondary mirror specs	Cassegrain	Ritchey-Chrétien
Optical Diameter	130 mm	155 mm
Mirror Diameter	135 mm	160 mm
Mirror material	AstroSitall	AstroSitall
Coating	Al+SiO2 Coating with 91% Reflexion	
Thickness	30 mm	30 mm
Mechanical specs	Cassegrain	Ritchey-Chrétien
Material	High end aluminium parts and carbon fiber	
Workmanship	CNC manufactured	
Weight	69 kg	69 kg
Image Quality	See Spot-Diagrams and Vignettingdata*	
Cooling	Computer controlled fans	
Focuser	Computer controlled motorized focuser	
Baffle	Main mirror baffle	



* See www.astrosysteme.at

** Maximum Back-Focus available. In conjunction with the ASA flange this value is reduced by 92 mm. The Back-Focus can be reduced and enlarged by secondary focussing. The focussing range for diffraction limiting is +/-40mm. Nevertheless the mechanical range is larger.