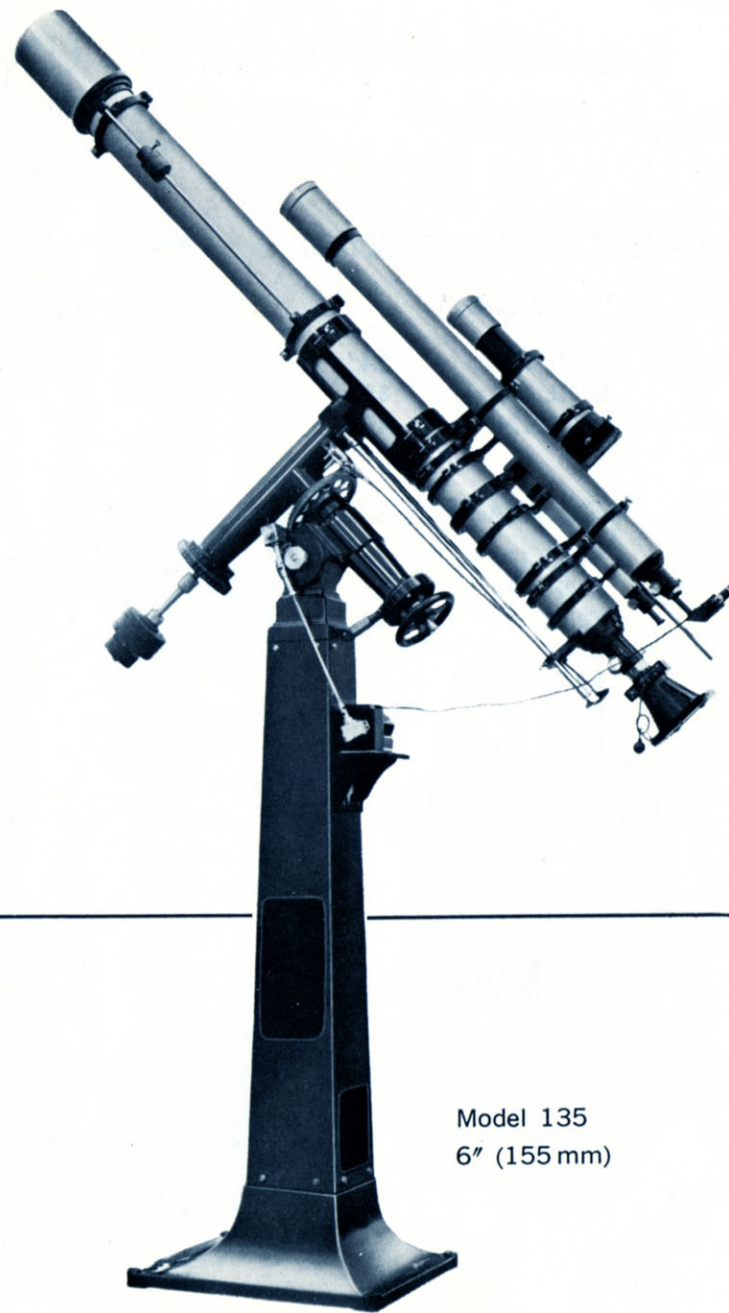


ASTRONOMICAL TELESCOPES & ACCESSORIES

POLAREX *UNITRON*®

NIHON SEIKO KENKYUSHO, LTD.

11-10, 2-chome, Nozawa, Setagaya-ku, Tokyo, Japan
Tel. (421) 0995, 1685 Cable Add.: SEIKOSCOPE TOKYO



Model 135
6" (155 mm)



Seiko Scope POLAREX · UNITRON

ALTAZIMUTH REFRACTOR

SCOPE: ALTAZIMUTH REFRACTORS

"Senior Series"

MODEL 114	2.4"
MODEL 129	3"
MODEL 134	4"

EQUATORIAL REFRACTORS

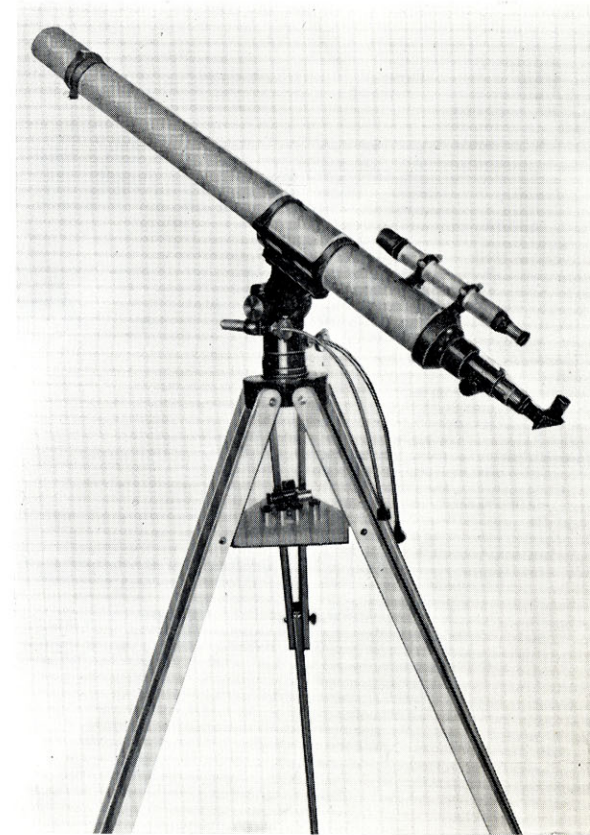
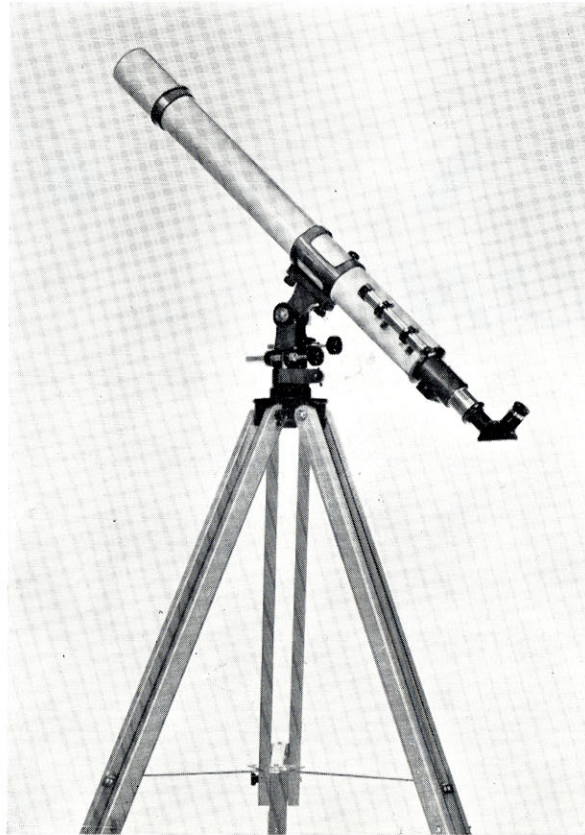
MODEL 128	2.4"
MODEL 131	3"
MODEL 132	4"
MODEL 132E, F	4"
MODEL 136E, F	5"
MODEL 135	6"
MODEL 144	8"

Model 114 2.4"

Objective lens: D 60 mm, F 900 mm
 Eyepieces: 9 mm, 12.5 mm, 18 mm, 25 mm
 Magnifications: 36× to 100×
 Accessories: Viewfinder 4× 19 mm, Star diagonal,
 Sunglass, Erecting prism

Model 134 4"

Objective lens: D 100 mm, F 1500 mm
 Eyepieces: 6 mm, 7 mm, 9 mm, 12.5 mm, 18 mm and
 25 mm
 Magnifications: 60× to 250×
 Accessories: Viewfinder 10× 40 mm, Star diagonal,
 Sunglass, Erecting prism



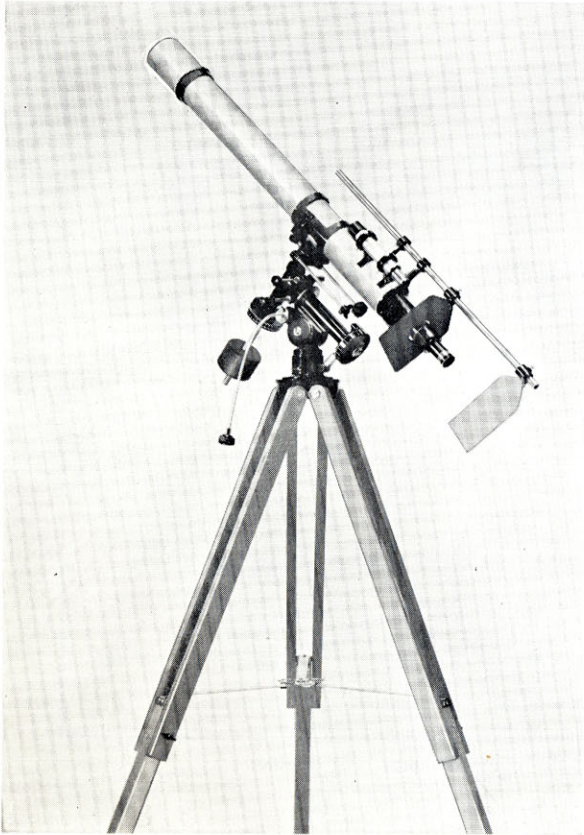


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EQUATORIAL REFRACTOR

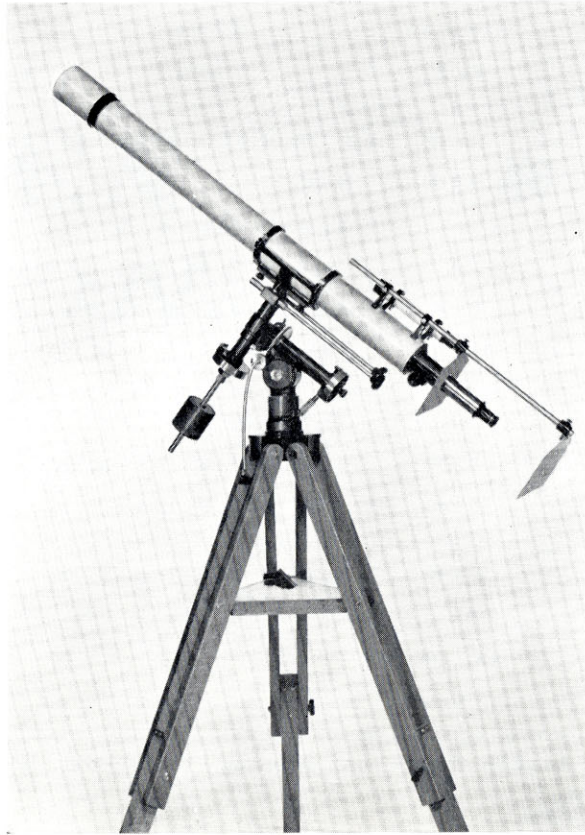
Model 128 2.4"

Objective lens: D 60 mm, F 900 mm
Eyepieces: 7 mm, 9 mm, 12.5 mm 18 mm, 25 mm
Magnifications: 36× to 128×
Accessories: Viewfinder 6× 23.5 mm, Star diagonal,
Sunglass, Erecting prism, Sun projection apparatus



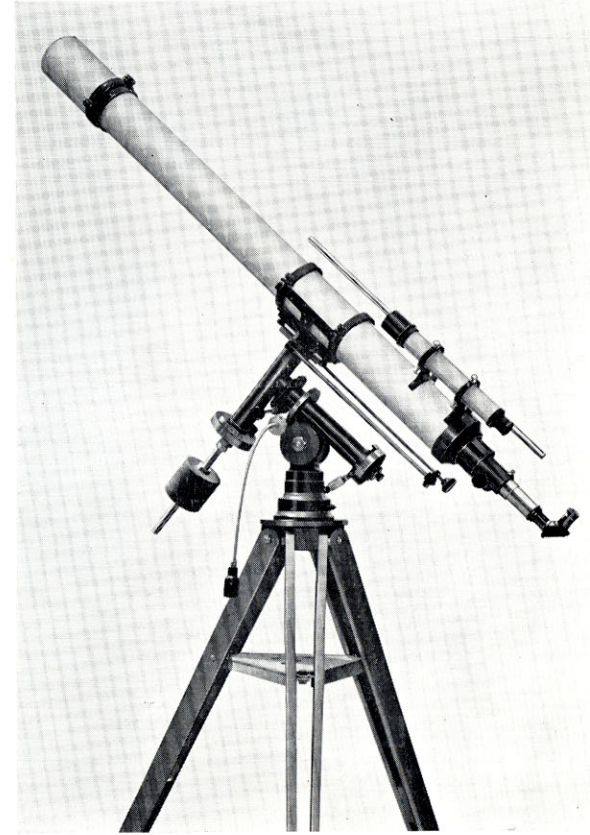
Model 131 3"

Objective lens: D 75 mm, F 1200 mm
Eyepieces: 6 mm, 7 mm, 9 mm, 12.5 mm 18 mm,
25 mm
Magnifications: 48× to 200×
Accessories: Viewfinder 8× 30 mm, Star diagonal,
Sunglass, Erecting prism, Sun projection apparatus



Model 132 4" Tripod Model

Objective lens: D 100 mm, F 1500 mm
Eyepieces: 6 mm, 7 mm, 9 mm, 12.5 mm 18 mm,
25 mm, 40 mm
Magnifications: 37× to 250×
Accessories: Viewfinder 10× 40 mm, Star diagonal
Sunglass, Erecting prism, Sun projection apparatus



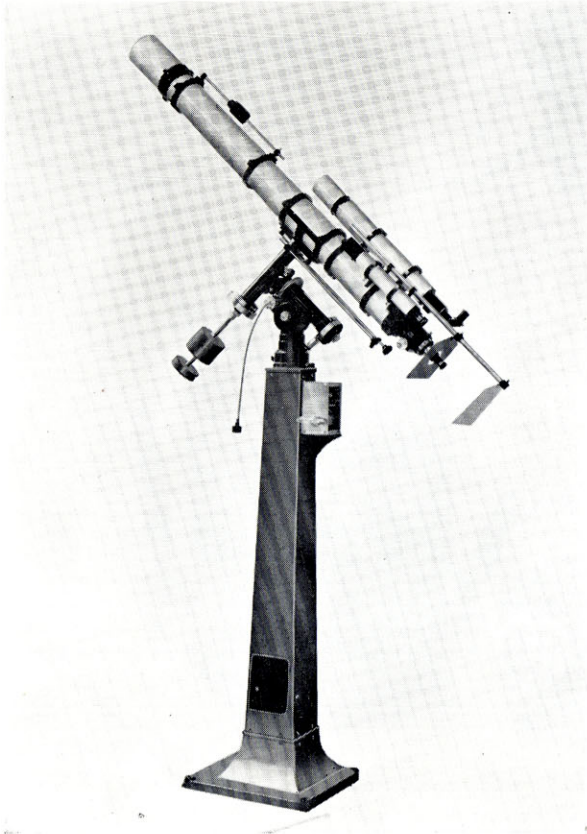


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PHOTO-EQUATORIAL REFRACTOR

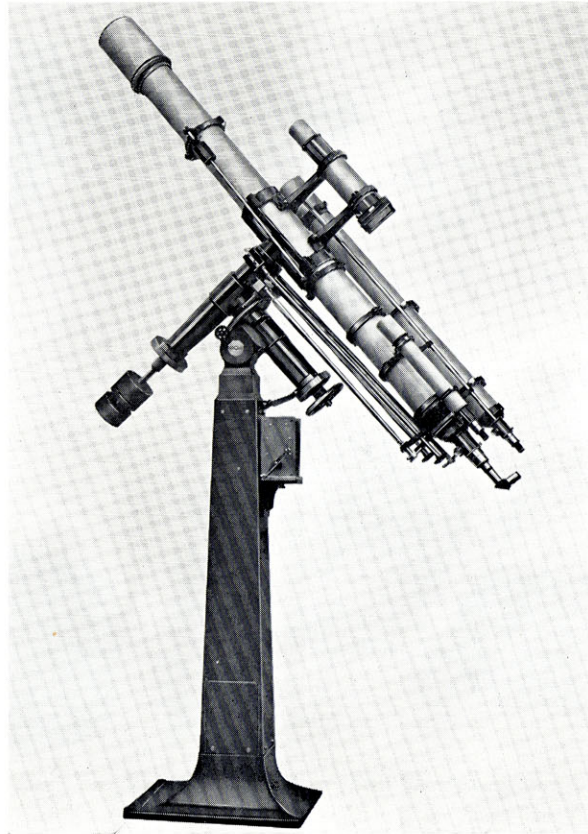
Model 132F 4" : Pier Model

Objective lens: D 100 mm, F 1500 mm
 Eyepieces: 6 mm, 7 mm, 9 mm, 12.5 mm, 18 mm,
 25 mm, 40 mm, 60 mm
 Magnifications: 25× to 250×
 Accessories: Viewfinder 10×40 mm. Guide telescope
 D 60 mm, F 700 mm w/9 mm eyepiece, Star diagonal,
 Sun glass, Erecting Prism, Sun Projection apparatus,
 Solar aperture Diaphragm



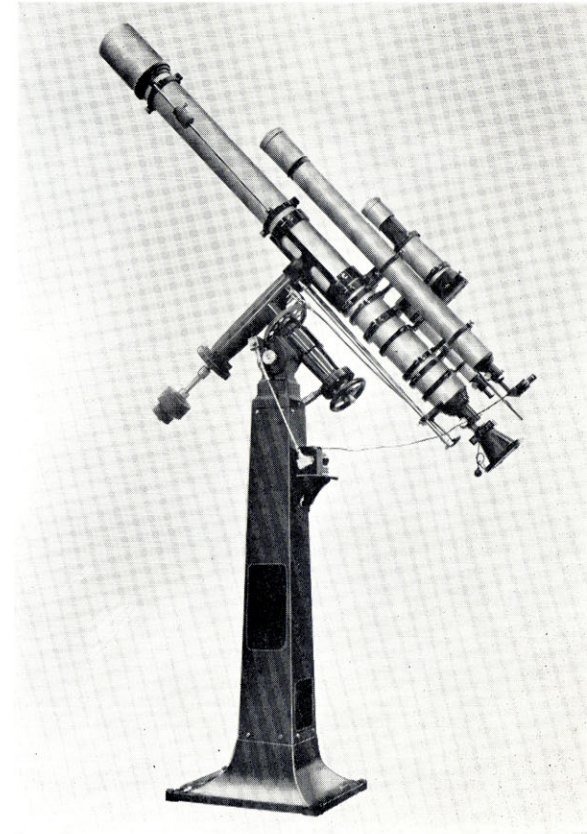
Model 136F 5" : Pier Model

Objective lens: D 127 mm, F 2000 mm
 Eyepieces: 6 mm, 7 mm, 9 mm, 12.5 mm, 18 mm,
 25 mm, 40 mm, 60 mm
 Magnifications: 33× to 330×
 Accessories: Viewfinder 10× 40 mm
 Guide telescope D 75 mm, F 1000 mm w/9 mm eye-
 piece, Star Diagonal, Sun glass, Erecting Prism, Sun
 Projection Apparatus, Solar Aperture Diaphragm



Model 135 6" : Pier Model

Objective lens: D 155 mm, F 2500 mm
 Eyepieces: 6 mm, 7 mm, 9 mm, 12.5 mm, 18 mm,
 25 mm, 40 mm, 60 mm
 Magnifications: 41× to 410×
 Accessories: Viewfinder 12.5× 60 mm.
 Guide telescope D 100 mm, F 1500 mm w/9 mm eye-
 piece, Star diagonal, Sun glass, erecting prism, Sun
 projection apparatus, Solar aperture diaphragm.





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TELESCOPE ACCESSORIES



1. Objective lens



2. Eyepiece



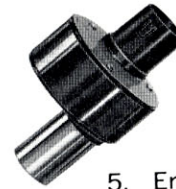
3. Star diagonal



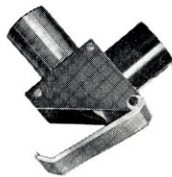
4. Sunglass



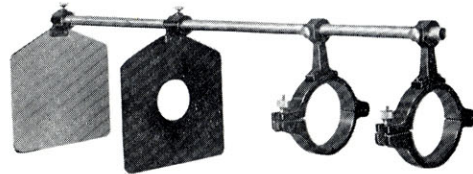
9. Achromatic amplifier (Barlow lens)



5. Erecting prism



7. Herschel solar wedge

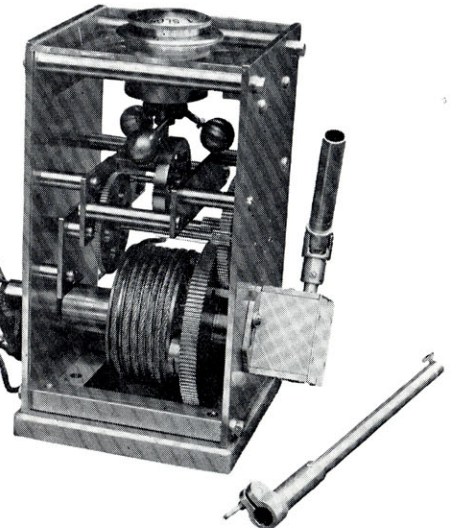


6. Sun projection apparatus



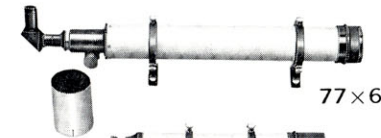
12. Synchronous motor

14. Clock Drive with weights and coupling device

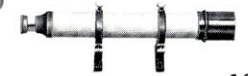


Governor control knob

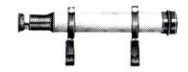
11. Viewfinders



77×60 mm



10×40 mm



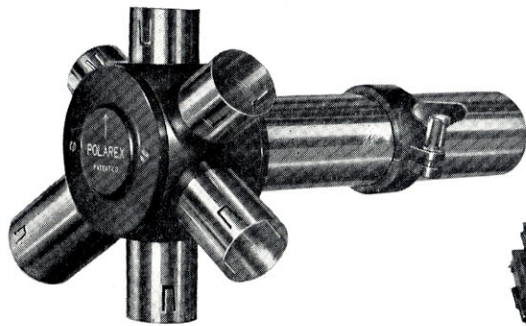
8×30 mm



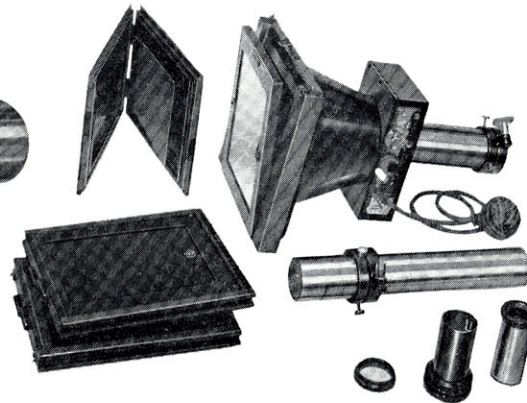
6×23.5 mm



4×19 mm



10. Rotary eyepiece holder



13. Astro-camera



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STANDARD ACCESSORIES

	Model No.	Objective lens m/m	F m/m	View-finder m/m	Eye-piece m/m	Resolving			
						Magnification	Power sec.	Minimum magnitude observable	Field of view
Altazimth telescopes	127	40	700	4×19	3 pcs. 9—12.5—18	38×—77×	3	10	7° 12'
	105	50	700	4×19	3 pcs. //	//	2.3	10.5	//
	133N-II	60	//	//	4 pcs. 7—12.5—18—25	28×—100×	2.3	11	//
	114	60	900	//	// 9—12.5—18—25	36×—100×	2	11	//
	129	75	1200	8×30	5 pcs. 7—9—12.5—18—25	48×—171×	1.6	11.8	4° 22'
	134	100	1500	10×40	6 pcs. 6—7—9—12.5—18—25	60×—250×	1.2	12	3° 22'
Equatorial telescopes	128	60	900	6×23.5	5 pcs. 7—9—12.5—18—25	36×—128×	2	11	6° 00'
	131	75	1200	8×30	6 pcs. 6—7—9—12.5—18—25	48×—200×	1.6	11.8	4° 22'
	132	100	1500	10×40	7 pcs. 6—7—9—12.5—18—25—40	37×—250×	1.2	12	3° 22'
Equatorial telescopes with clock	132E, F	100	1500	10×40	8 pcs. 6—7—9—12.5—18—25—40—60	25×—250×	1.2	12	//
	136E, F	127	2000	10×40	// //	33×—330×	1	12.8	//
	135	155	2500	12.5×60	// //	41×—410×	0.87	13.2	3° 10'
	144	205	3000	12.5×60	// //	50×—500×	0.7	14	//

The above magnifications are without Achromatic Amplifier (Barlow lens), accordingly if you use the amplifier the magnifications will double.