

The 12-inch refractor

Objective diameter: 12 inches 305 mm
 Focal length: 180 inches 4572 mm
 Focal ratio: f/15
 Resolving power: 0.38 arcseconds

Eyepiece	Diameter	Magnification	Field of view	
			degrees	arc minutes
55 mm Plossl	2 inch	83 x	0.48°	28.8'
32 mm Konig	2 inch	143 x	0.40°	24.0'
40 mm Plossl	1.25 inch	114 x	0.31°	18.6'
32 mm Konig	1.25 inch	143 x	0.23°	13.8'
26 mm Plossl	1.25 inch	176 x	0.28°	16.8'
18 mm Plossl	1.25 inch	254 x	0.19°	11.4'
17 mm Plossl	1.25 inch			
16 mm Plossl	1.25 inch	286 x	0.23°	13.8'
12.5 mm Plossl	1.25 inch	366 x	0.12°	7.2'
9 mm Plossl	1.25 inch	508 x	0.08°	4.8'
8 mm Konig	1.25 inch	572 x	0.10°	6.0'
6 mm Plossl	1.25 inch	762 x	0.05°	3.0'

Finderscope:

Objective diameter: 3 inches 76 mm
 Focal length: 36 inches 914 mm
 Focal ratio: f/12
 Standard eyepiece: 32 mm
 Magnification: 29 x
 Field of View: ~1°
 Resolving power: 1.53 arcseconds