PRIMA lite
PRIMA swift

PRIMA LITE AND SWIFT MAGNIFICATION TABLE

			↓ Turret Magification Factor (x) ↓									
Magnichanger turret position →			0.4		0.6		1		1.6		2.5	
Binocular Focal Length (mm)	Objective Focal Length (mm)	Eyepiece Mag (X)/FOV. (mm)	Total Mag.(X)	Field of View (mm)	Total Mag.(X)	Field of View (mm)	Total Mag.(X)	Field of View (mm)	Total Mag.(X)	Field of View (mm)	Total Mag.(X)	Field of View (mm)
170	175	10/18	3.9	46.32	5.8	30.9	9.7	18.5	15.5	11.6	24.3	7.4
170	200	10/18	3.4	52.9	5.1	35.3	8.5	21.2	13.6	13.2	21.3	8.5
170	250	10/18	2.7	66.2	4.1	44.1	6.8	26.5	10.9	16.5	17.0	10.6
170	300	10/18	2.3	79.4	3.4	52.9	5.7	31.8	9.1	19.9	14.2	12.7
170	400	10/18	1.7	105.9	2.6	70.6	4.3	42.4	6.8	26.5	10.6	16.9
170	175	12.5/18	4.9	46.3	7.3	30.9	12.1	18.5	19.4	11.6	30.4	7.4
170	200	12.5/18	4.3	52.9	6.4	35.3	10.6	21.2	17.0	13.2	26.6	8.5
170	250	12.5/18	3.4	66.2	5.1	44.1	8.5	26.5	13.6	16.5	21.3	10.6
170	300	12.5/18	2.8	79.4	4.3	52.6	7.1	31.8	11.3	19.9	17.7	12.7
170	400	12.5/18	2.1	105.9	3.2	70.6	5.3	42.4	8.5	26.5	13.3	16.9
170	NuVar7 WD. 200 to 270	10/18	1.9 to 2.4	76.2 to 95.3	3.0 to 3.7	48.8 to 61.0	4.7 to 5.9	30.5 to 38.1	7.6 to 9.4	19.0 to 23.8	11.8 to 14.8	12.2 to 15.2
170	NuVar7 WD. 200 to 270	12.5/18	2.4 to 3.0	76.2 to 95.3	3.7 to 4.6	48.8 to 61.0	5.9 to 7.4	30.5 to 38.1	9.4 to 11.8	19.1 to 23.8	14.8 to18.4	12.2 to 15.2
170	Nuvar10 WD. 220-320	10/18	1.7 to 2.3	79.4 to 105.9	2.6 to 3.4	52.9 to 70.6	4.3 to 5.7	31.8 to 42.4	6.8 to 9.1	19.9 to 26.5	10.6 to 14.2	12.7 to 16.9
170	Nuvar10 WD. 220-320	12.5/18	2.1 to 2.8	79.4 to 105.9	3.2 to 4.3	52.9 to 70.6	5.3 to 7.1	31.8 to 42.4	8.5 to 11.3	19.9 to 26.5	13.3 to17.7	12.7 to 16.9

Finding Total Magnification

The following formula is used to calculate the total magnification of the system :

Total Magnification =(Binocular Focal Length/Objective Focal Length) X (Eyepice Magnification) X (Magnification Factor)

For Example :

Binocular Focal Length =170 mm

Objective Lens Focal Length =300 mm

Eyepiece Magnification =10X

Total Magnification= (170/300) X (10x) X (1.6)

Therefore : Total Magnification = 9.07X

MaxLite ™

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