

# Tele Vue Eyepieces for Tele Vue Refractors



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All Tele Vue refractors, because of their short focal length, have very wide field potential. And because their "APO" design permits high contrast, sharp, high magnification, color free viewing, they handle extraordinary power ranges. Tele Vue eyepieces are ideal for maximizing the performance of those scopes with 1 1/4" or 2" diagonals. The fast focal ratios of these telescopes place an extra burden on eyepiece performance. Because all Tele Vue eyepieces are designed for excellent sharpness over wide fields when used with fast telescopes, you'll get the most spectacular "spacewalk" viewing experiences using Ethos, Nagler, Delos, DeLite, and Panoptic eyepieces. If you must wear glasses to correct astigmatism and know the astigmatism value, it's best to call Tele Vue for specific advice. For a full explanation on how to choose eyepieces and an eyepiece calculator, you can check out [Choosing Eyepieces](#).

Our 100° Ethos, 82° Naglers, 72° Delos, 68° Panoptic, and 62° DeLites in particular, will not only give you the widest, sharpest images, but very long viewing times as objects traverse the field. You won't have to constantly shift the scope to place the image in the "sweet spot," and of course, the whole "spacewalk" view is your "sweet spot."

I believe you only need from three to five eyepieces to cover the full range, from low-power, wide true field, to high-power for planetary viewing. My recommendations for the scopes with 2" diagonal capability (76, 85, 101, 127mm aperture) are as follows. ([See below for TV-60](#)).

		TV-76	NP101is	TV-85	NP127is
1. Low Power 2" with Very Wide True Field	35 Panoptic <sup>(e)</sup>	14x @ 4.62°	15x @ 4.11°	17x @ 3.70°	19x @ 3.36°
	31 Nagler T5 <sup>(e)</sup>	15x @ 5.01°	17x @ 4.46°	19x @ 4.01°	21x @ 3.65°
	21 Ethos	23x @ 4.32°	26x @ 3.84°	29x @ 3.46°	31x @ 3.14°
1.a. Low Power 1 1/4"	32 Plössl <sup>(e)</sup>	15x @ 3.2°	17x @ 2.90°	19x @ 2.60°	21x @ 2.30°
	24 Panoptic	20x @ 3.2°	23x @ 2.90°	25x @ 2.60°	28x @ 2.30°
	18.2 DeLite <sup>(e)</sup>	26x @ 2.3°	30x @ 2.00°	33x @ 1.80°	36x @ 1.70°
	17.3 Delos <sup>(e)</sup>	28x @ 2.5°	31x @ 2.25°	35x @ 2.00°	38x @ 1.80°
2. Low Medium Power	15 Plössl	32x @ 1.50°	36x @ 1.34°	40x @ 1.20°	44x @ 1.09°
	14 Delos <sup>(e)</sup>	34x @ 2.07°	39x @ 1.84°	43x @ 1.65°	47x @ 1.50°
	13 Ethos	37x @ 2.66°	42x @ 2.37°	46x @ 2.13°	51x @ 1.94°
	13 Nagler T6	37x @ 2.10°	42x @ 1.87°	46x @ 1.68°	51x @ 1.53°
	13 DeLite <sup>(e)</sup>	37x @ 1.65°	42x @ 1.46°	46x @ 1.32°	51x @ 1.20°
3. Medium Power	8 Ethos	60x @ 1.66°	68x @ 1.47°	75x @ 1.33°	83x @ 1.21°
	8 Delos <sup>(e)</sup>	60x @ 1.18°	68x @ 1.05°	75x @ 0.95°	83x @ 0.86°
	8 Plössl	60x @ 0.78°	68x @ 0.69°	75x @ 0.62°	83x @ 0.56°
	7 Nagler T6	69x @ 1.16°	77x @ 1.03°	86x @ 0.93°	94x @ 0.84°
	7 DeLite <sup>(e)</sup>	69x @ 0.90°	77x @ 0.80°	86x @ 0.72°	94x @ 0.65°
	6 Ethos	80x @ 1.24°	90x @ 1.10°	100x @ 0.99°	110x @ 0.90°
	6 Delos <sup>(e)</sup>	80x @ 0.91°	90x @ 0.81°	100x @ 0.73°	110x @ 0.66°
4. Medium High Power	5 Nagler T6 <sup>(m)</sup>	96x @ 0.84°	108x @ 0.74°	120x @ 0.67°	132x @ 0.61°
	5 DeLite <sup>(e)</sup>	96x @ 0.63°	108x @ 0.56°	120x @ 0.51°	132x @ 0.46°
	4.7 Ethos SX	102x @ 1.07°	115x @ 0.95°	128x @ 0.85°	140x @ 0.78°
	4.5 Delos <sup>(e)</sup>	107x @ 0.67°	120x @ 0.59°	133x @ 0.53°	147x @ 0.49°
4. - 5. Alternate For Medium to High Power	6 - 3 Nagler Zoom	80-160x @ 0.61-0.31°	90-180x @ 0.54-0.28°	100-200x @ 0.49-0.25°	110-220x @ 0.44-0.23°
	4 DeLite <sup>(e,m)</sup>	120x @ 0.51°	135x @ 0.46°	150x @ 0.41°	165x @ 0.37°
5. High Power	3.7 Ethos SX <sup>(m)</sup>	130x @ 0.84°	146x @ 0.75°	162x @ 0.67°	178x @ 0.61°
	3.5 Nagler T6	137x @ 0.57°	154x @ 0.51°	171x @ 0.46°	189x @ 0.42°
	3.5 Delos <sup>(e,m)</sup>	137x @ 0.53°	154x @ 0.47°	171x @ 0.42°	189x @ 0.38°
	3.0 DeLite <sup>(e)</sup>	160x @ 0.38°	180x @ 0.34°	200x @ 0.31°	220x @ 0.28°
	2.5 Nagler T6	192x @ 0.41°	216x @ 0.36°		

## Key Notes

<sup>(e)</sup> = minimum 17mm eye relief

(m) = do not choose same true field at different magnifications (example noted on table above).

(\*) = supplied with TV-76 & TV-85.

My recommendations for the scopes with 1¼" diagonal capability (60mm aperture) are as follows.

TV-60		
1.a. Low Power 1¼"	32 Plössl <sup>(e,m)</sup>	11x @ 4.3°
	24 Panoptic <sup>(m)</sup>	15x @ 4.3°
	18.2 DeLite <sup>(e)</sup>	20x @ 3.04°
	17.3 Delos <sup>(e)</sup>	21x @ 3.37°
2. Low Medium Power	12 Delos <sup>(e,m)</sup>	30x @ 2.39°
	11 Nagler T6 <sup>m</sup>	33x @ 2.37°
	11 DeLite <sup>(e)</sup>	33x @ 1.86°
3. Medium Power	6 Delos <sup>(e)</sup>	60x @ 1.21°
	5 Nagler T6	72x @ 1.11°
	5 DeLite <sup>(e)</sup>	72x @ 0.84°
4. Medium High Power	6 - 3 Nagler Zoom	60-120x @ 0.81-0.41°
	4 DeLite <sup>(e)</sup>	90x @ 0.68°
	3.5 Nagler T6 <sup>(m)</sup>	103x @ 0.76°
	3.5 Delos <sup>(e,m)</sup>	103x @ 0.70°
	3 DeLite <sup>(e,m)</sup>	120x @ 0.51°
	2.5 Nagler T6 <sup>(m)</sup>	144x @ 0.54°

**Key Notes**

(e) = minimum 17mm eye relief

(m) = do not choose same true field at different magnifications (example noted on table above).

For best eyepiece recommendations, call us at 845-469-4551 (9 a.m. — 5 p.m. ET Monday — Friday) to discuss integrating new eyepieces with your existing collection of eyepieces and scopes, budget requirements, and eyeglass / eyesight implications.