

Eyepiece Specifications

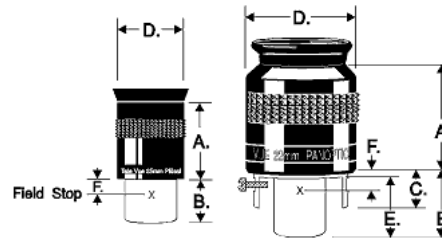
All Tele Vue eyepieces listed have proprietary tuned full multi-coatings, blackened lens edges, high index glasses, fold-down eyeguards, rubber grip rings, cover for the eyeguard, an undercut in the barrel for extra locking security and filter threads. All Tele Vue eyepiece lines are proprietary, in-house designs manufactured to our specifications and tolerances. Every eyepiece is individually tested at Tele Vue to ensure it meets our high optical and cosmetic standards.

Prod. Code	1FL (mm)	Eyepiece Type	Barrel (in.)	2E / G	3AF	4G	5ER (mm)	Field Stop (mm)	6Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
EPL-55.0	55	Plössl	2"	4 / 2	50		38	46	3		1.4	2.3	1.16	1.13 / 18.1		Y	
EPL-40.0	40	Plössl	1 1/4"	4 / 2	43		28	27	1.8	0.9		1.6	0.7	0.41 / 6.6	Y	Y	
EPL-32.0	32	Plössl	1 1/4"	4 / 2	50	B	22	27	1.9	0.9		1.6	0.25	0.39 / 6.2	Y	Y	
EAP-25.0	25	Plössl	1 1/4"	4 / 2	50	B	17	21.2	1.6	0.9		1.3	0.25	0.27 / 4.3	Y	N	
EAP-20.0	20	Plössl	1 1/4"	4 / 2	50	B	14	17.1	1.2	0.9		1.3	0.25	0.19 / 3.0	Y	N	
EAP-15.0	15	Plössl	1 1/4"	4 / 2	50	B	10	12.6	0.9	0.9		1.3	0.25	0.16 / 2.6	Y	N	
EAP-11.0	11	Plössl	1 1/4"	4 / 2	50	B	8	9.1	0.5	0.9		1.4	0.25	0.14 / 2.2	Y	N	
EAP-08.0	8	Plössl	1 1/4"	4 / 2	50	B	6	6.5	0.4	0.9		1.4	0.25	0.11 / 1.8	Y	N	
Prod. Code	1FL (mm)	Eyepiece Type	Barrel (in.)	2E / G	3AF	4G	5ER (mm)	Field Stop (mm)	6Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
EDE-18.2	18.2	DeLite	1 1/4"	/	62	B	20	19.1	1.9	1.1		1.9	0.25	0.48 / 7.6	Y	Y	
EDE-15.0	15	DeLite	1 1/4"	/	62	B	20	16	2	1.1		1.9	0.25	0.47 / 7.5	Y	Y	
EDE-13.0	13	DeLite	1 1/4"	/	62	B	20	13.8	2.3	1.1		1.9	0.25	0.49 / 7.8	Y	Y	
EDE-11.0	11	DeLite	1 1/4"	/	62	B	20	11.7	2.3	1.1		1.9	0.25	0.44 / 7.1	Y	Y	
EDE-09.0	9	DeLite	1 1/4"	/	62	B	20	9.6	2.4	1.1		1.9	0.25	0.46 / 7.3	Y	Y	
EDE-07.0	7	DeLite	1 1/4"	/	62	B	20	7.5	2.6	1.1		1.9	0.25	0.46 / 7.3	Y	Y	
EDE-05.0	5	DeLite	1 1/4"	/	62	B	20	5.3	3	1.1		1.9	0.25	0.47 / 7.5	Y	Y	
EDE-04.0	4	DeLite	1 1/4"	/	62	B	20	4.3	3.1	1.1		1.9	0.25	0.48 / 7.6	Y	Y	
EDE-03.0	3	DeLite	1 1/4"	/	62	B	20	3.2	3.1	1.1		1.9	0.25	0.49 / 7.8	Y	Y	
Prod. Code	1FL (mm)	Eyepiece Type	Barrel (in.)	2E / G	3AF	4G	5ER (mm)	Field Stop (mm)	6Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
EPO-41.0	41	Panoptic	2"	6 / 4	68	A	27	46	3.8		1.1	3	0.27	2.10 / 33.6		Y	
EPO-35.0	35	Panoptic	2"	6 / 4	68	C	24	38.7	3.1		1.2	2.6	0.17	1.60 / 25.6		Y	
EPO-27.0	27	Panoptic	2"	6 / 4	68	A	19	30.5	2.4		1.2	2.1	0.29	1.03 / 16.4		Y	
EPO-24.0	24	Panoptic	1 1/4"	6 / 4	68	B	15	27	2.1	0.8		1.9	0.25	0.51 / 8.2	Y	Y*	
EPO-19.0	19	Panoptic	1 1/4"	6 / 4	68	B	13	21.3	1.7	0.9		1.7	0.25	0.41 / 6.6	Y	Y*	
Prod. Code	1FL (mm)	Eyepiece Type	Barrel (in.)	2E / G	3AF	4G	5ER (mm)	Field Stop (mm)	6Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
EDL-17.3	17.3	Delos	1 1/4"	/	72		20	21.2	3.1	1.1		2.2	-0.23	0.90 / 14.4	Y	Y	
EDL-14.0	14	Delos	1 1/4"	/	72		20	17.3	3.5	0.9		2.2	-0.23	0.90 / 14.4	Y	Y	
EDL-12.0	12	Delos	1 1/4"	/	72	B	20	15	3.1	1.2		2.2	0.25	0.90 / 14.4	Y	Y	
EDL-10.0	10	Delos	1 1/4"	/	72	B	20	12.7	3.5	1.1		2.2	0.25	0.90 / 14.4	Y	Y	
EDL-08.0	8	Delos	1 1/4"	/	72	B	20	9.9	3.6	1.2		2.2	0.25	1.00 / 16.0	Y	Y	
EDL-06.0	6	Delos	1 1/4"	/	72	B	20	7.6	4.1	1.1		2.2	0.25	1.00 / 16.0	Y	Y	
EDL-04.5	4.5	Delos	1 1/4"	/	72	B	20	5.6	4	1.1		2.2	0.25	1.10 / 17.6	Y	Y	
EDL-03.5	3.5	Delos	1 1/4"	/	72	B	20	4.4	4.2	1.1		2.2	0.25	1.10 / 17.6	Y	Y	
Prod. Code	1FL (mm)	Eyepiece Type	Barrel (in.)	2E / G	3AF	4G	5ER (mm)	Field Stop (mm)	6Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
EN5-31.0	31	Nagler 5	2"	6 / 4	82		19	42	3.9		1.5	3.3	-0.38	2.20 / 35.2		Y	
EN4-22.0	22	Nagler 4	2"	7 / 5	82		19	31.1	2.4		1.5	2.4	-0.29	1.50 / 24.0		Y	
EN4-17.0	17	Nagler 4	2"	7 / 5	82		17	24.3	2.6		1.5	2.4	-0.03	1.60 / 25.6		Y	
EN5-16.0	16	Nagler 5	1 1/4"	6 / 4	82	B	10	22.1	1.5	1.2		1.7	0.28	0.44 / 7.1	Y	N	
EN6-13.0	13	Nagler 6	1 1/4"	7 / 4	82	B	12	17.6	1.6	1.3		1.6	0.25	0.40 / 6.4	Y	Y*	
EN4-12.0	12	Nagler 4	2" & 1 1/4"	6 / 4	82		17	17.1	2.3	1.8	1	2.4	1.2	0.78	1.01 / 16.2		Y
EN6-11.0	11	Nagler 6	1 1/4"	7 / 4	82	B	12	14.9	1.7	1.2		1.6	0.25	0.42 / 6.7	Y	Y*	
EN6-09.0	9	Nagler 6	1 1/4"	7 / 4	82	B	12	12.4	1.9	1.2		1.6	0.25	0.42 / 6.7	Y	Y*	
EN6-07.0	7	Nagler 6	1 1/4"	7 / 4	82	B	12	9.7	2.2	1.2		1.6	0.25	0.50 / 8.0	Y	Y*	
EN6-05.0	5	Nagler 6	1 1/4"	7 / 4	82	B	12	7	2.1	1.2		1.6	0.25	0.49 / 7.9	Y	Y*	
EN6-03.5	3.5	Nagler 6	1 1/4"	7 / 4	82	B	12	4.8	2.2	1.2		1.6	0.25	0.53 / 8.5	Y	Y*	
EN6-02.5	2.5	Nagler 6	1 1/4"	7 / 4	82	B	12	3.4	2.3	1.2		1.6	0.25	0.54 / 8.7	Y	Y*	

Prod. Code	¹ FL (mm)	Eyepiece Type	Barrel (in.)	² E / G	³ AF	⁴ G	⁵ ER (mm)	Field Stop (mm)	⁶ Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
ETH-21.0	21	Ethos	2"	/	100		15	36.2	4.3		1.62	2.95		-0.38	2.25 / 36.0		Y
ETH-17.0	17	Ethos	2"	/	100		15	29.6	4.5		1.4	2.4		-0.39	1.55 / 24.8		Y
ETH-13.0	13	Ethos	2" & 1 1/4"	/	100		15	22.3	4	1.6	1.1	2.5	1.1	0.27	1.30 / 20.8	Y	Y
ETH-10.0	10	Ethos	2" & 1 1/4"	/	100		15	17.7	3.8	1.6	1.1	2.3	1.1	0.27	1.10 / 17.6	Y	Y
ETH-08.0	8	Ethos	2" & 1 1/4"	/	100		15	13.9	3.3	1.7	0.94	2.1	1.2	0.7	0.95 / 15.2	Y	Y
ETH-06.0	6	Ethos	2" & 1 1/4"	/	100		15	10.4	3.5	1.5	0.94	2.1	1.1	0.7	0.97 / 15.5	Y	Y
ETH-04.7	4.7	Ethos SX	2" & 1 1/4"	/	110		15	8.94	5.4	0.9		2.2		0.25	1.30 / 20.8	Y	Y
ETH-03.7	3.7	Ethos SX	2" & 1 1/4"	/	110		15	7.04	5	1.1		2.2		0.25	1.10 / 17.6	Y	Y
Prod. Code	¹ FL (mm)	Eyepiece Type	Barrel (in.)	² E / G	³ AF	⁴ G	⁵ ER (mm)	Field Stop (mm)	⁶ Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
ENZ-0306	6-3	Nagler Zoom	1 1/4"	5 / 3	50	B	10	5.1-2.6	0.7	1.6		1.7		0.25	0.33 / 5.3	Y	N

Table Notes

- ¹FL: Focal Length
 - ²E / G: # Lens Elements / # Groups
 - ³AF: Apparent Field of View
 - ⁴G: Parfocal Group, eyepieces with the same letter are approximately parfocal -- require little (if any) refocusing when used together.
 - ⁵ER: Eye Relief
 - ⁶Eyepiece Dimensions: see diagram
 - *Additional adapter required for Dioptix / Phone Adapter attachment
- A:** Height of barrel above reference surface
B: Height of 1 1/4" barrel
C: Height of 2" barrel
D: Diameter of black barrel
E: Depth of 1 1/4" barrel
F: Approx. location of field stop (negative number is above reference surface)



Tele Vue Eyepiece Notes

- True Field in degrees of an eyepiece can be calculated from the field stop diameter and telescope focal length:

$$\text{True Field } (^\circ) = 57.3^\circ \times \text{eyepiece field stop} / \text{telescope focal length}$$

All Nagler, Radian, Ethos, Delos, and DeLite eyepieces have internal focal planes. Field stop diameters and locations are "effective". Radian and Nagler type-4 eyepieces have "Instajust Eyeguards," and "pupil guide" accessory. Delos and DeLite eyepieces have an adjustable/lockable eyeguard.

- The 55mm Plössl and 41mm Panoptic eyepieces have an adjustable height (removable) eyeguard.
- Also available: 2X and 3X parfocal 1 1/4" Barlows; parfocal 2.5x and 5x 1 1/4" Powermates; 2X Big Barlow, 2x and 4x Powermates for 2" focusers. Use Paracorr (1.15X) to correct fast parabolic "Dob/Newts", dramatically sharpens field to take full advantage of Tele Vue eyepiece capabilities.
- All dual barrel eyepieces work equally well in 1 1/4" or 2" focusers.

Discontinued or Unavailable Eyepiece Archive

For your convenience, this table lists older eyepieces that are currently no longer available.

Prod. Code	¹ FL (mm)	Eyepiece Type	Barrel (in.)	² E / G	³ AF	⁴ G	⁵ ER (mm)	Field Stop (mm)	⁶ Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
EPL-07.4	7.4	Plössl (disc)	1 1/4"	0 / 0	50		5	6.2	0.26	0.88		1.32			0.10 / 1.6	Y	N
EPL-10.5	10.5	Plössl (disc)	1 1/4"	0 / 0	50		7	8.7	0.47	0.88		1.32			0.10 / 1.6	Y	N
EPL-13.0	13	Plössl (disc)	1 1/4"	0 / 0	50		9	10.9	0.65	0.88		1.32			0.20 / 3.2	Y	N
EPL-17.0	17	Plössl (disc)	1 1/4"	0 / 0	50		12	14.3	0.9	0.88		1.32			0.20 / 3.2	Y	N
EPL-21.0	21	Plössl (disc)	1 1/4"	0 / 0	50		14	18.1	1.18	0.88		1.32			0.20 / 3.2	Y	N
EPL-26.0	26	Plössl (disc)	1 1/4"	0 / 0	50		18	22.1	1.5	0.88		1.32			0.30 / 4.8	Y	N
Prod. Code	¹ FL (mm)	Eyepiece Type	Barrel (in.)	² E / G	³ AF	⁴ G	⁵ ER (mm)	Field Stop (mm)	⁶ Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
ERD-03.0	3	Radian (disc)	1 1/4"	7 / 5	60	B	20	3.3	2.7	1.1		1.8		0.25	0.77 / 12.3	Y	Y
ERD-04.0	4	Radian (disc)	1 1/4"	7 / 5	60	B	20	4.2	2.6	1		1.8		0.25	0.76 / 12.1	Y	Y
ERD-05.0	5	Radian (disc)	1 1/4"	7 / 5	60	B	20	5.3	2.6	1.2		1.8		0.25	0.80 / 12.8	Y	Y
ERD-06.0	6	Radian (disc)	1 1/4"	7 / 5	60	B	20	6.3	2.5	1.3		1.8		0.25	0.79 / 12.6	Y	Y
ERD-08.0	8	Radian (disc)	1 1/4"	6 / 4	60	B	20	8.3	2.2	1.2		1.8		0.25	0.60 / 9.6	Y	Y
ERD-10.0	10	Radian (disc)	1 1/4"	6 / 4	60	B	20	10.5	1.9	1.2		1.8		0.25	0.54 / 8.7	Y	Y
ERD-12.0	12	Radian (disc)	1 1/4"	6 / 4	60	B	20	12.6	1.8	1.1		1.8		0.25	0.53 / 8.5	Y	Y
ERD-14.0	14	Radian (disc)	1 1/4"	6 / 4	60	B	20	14.4	1.6	1.4		1.8		0.25	0.54 / 8.7	Y	Y
ERD-18.0	18	Radian (disc)	1 1/4"	6 / 4	60	B	20	18.3	1.4	1.4		1.8		0.25	0.49 / 7.8	Y	Y

Prod. Code	¹ FL (mm)	Eyepiece Type	Barrel (in.)	² E / G	³ AF	⁴ G	⁵ ER (mm)	Field Stop (mm)	⁶ Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
EWf-15.0	15	Wide Field (disc)	1¼"	0 / 0	65		9	15.4	1.27	0.88		1.33			0.30 / 4.8	Y	N
EWf-19.0	19	Wide Field (disc)	1¼"	0 / 0	65		11	19.6	1.46	0.88		1.33			0.30 / 4.8	Y	N
EWf-24.0	24	Wide Field (disc)	1¼"	0 / 0	65		14	24.7	1.91	0.88		1.78			0.50 / 8.0	Y	N
EWf-32.0	32	Wide Field (disc)	2"	0 / 0	65		19	33	2.75	1.38		2.28			1.10 / 17.6		N
EWf-40.0	40	Wide Field (disc)	2"	0 / 0	65		24	41.2	3.5	1.51		2.64			2.00 / 32.0		N
Prod. Code	¹ FL (mm)	Eyepiece Type	Barrel (in.)	² E / G	³ AF	⁴ G	⁵ ER (mm)	Field Stop (mm)	⁶ Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
EPO-15.0	15	Panoptic (disc)	1¼"	6 / 4	68	B	10	17.1	1.3	0.9		1.4		0.25	0.30 / 4.8	Y	N
EPO-22.0	22	Panoptic (disc)	2" & 1¼"	6 / 4	68	A	15	25	2	1.7	1	2.1	1.3	0.27	0.96 / 15.4		Y
Prod. Code	¹ FL (mm)	Eyepiece Type	Barrel (in.)	² E / G	³ AF	⁴ G	⁵ ER (mm)	Field Stop (mm)	⁶ Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
ENA-04.8	4.8	Nagler Original (disc)	1¼"	7 / 4	82	B	7	6.6	1.3	1.1		1.3		0.25	0.33 / 5.3	Y	N
ENA-07.0	7	Nagler Original (disc)	1¼"	7 / 4	82	B	10	9.4	1.9	1.1		1.3		0.25	0.41 / 6.5	Y	N
ENA-09.0	9	Nagler Original (disc)	2" & 1¼"	0 / 0	82		12	12.3	2.05	1.75	1	1.81			0.70 / 11.2		N
ENA-11.0	11	Nagler Original (disc)	2" & 1¼"	0 / 0	82		15	14.9							0.00 / 0.0		N
EN2-12.0	12	Nagler 2 (disc)	2" & 1¼"	0 / 0	82		11	16.4	2.57	1.93	1.1	2.17			1.10 / 17.6		N
ENA-13.0	13	Nagler Original (disc)	2" & 1¼"	0 / 0	82		18	17.8	3.56	1.75	1	2.44	1.4	0.31	1.40 / 22.4		N
EN2-16.0	16	Nagler 2 (disc)	2" & 1¼"	0 / 0	82		10	21.9	2.32	1.93	1.11	2.17			1.00 / 16.0		N
EN2-20.0	20	Nagler 2 (disc)	2"	0 / 0	82		12	27.4	3.5	1.5		2.64			2.30 / 36.8		N
EN5-20.0	20	Nagler 5 (disc)	2"	6 / 4	82	C	12	27.4	2.1		1.3	2.1		0.15	1.04 / 16.6		Y*
EN5-26.0	26	Nagler 5 (disc)	2"	6 / 4	82		16	35	3		1.5	2.8		-0.05	1.60 / 25.6		Y
Prod. Code	¹ FL (mm)	Eyepiece Type	Barrel (in.)	² E / G	³ AF	⁴ G	⁵ ER (mm)	Field Stop (mm)	⁶ Eyepiece Dimensions (in.)						Weight (lb / oz)	Recommended	
									A	B	C	D	E	F		Bino Vue	DIOPTRX Digiscoping
CSZ-0824	24-8	Click Stop Zoom	1¼"	7 / 4	40-55		20-15	16.7-7.6	2.6	1		1.7		0.1	0.49 / 7.9	Y	N
DCZ-2408	24-8	Click Zoom DX-Ready(disc)	1¼"	7 / 4	40-55		20-15	16.7-7.6	2.6	1		1.7		0.1	0.49 / 7.9	Y	Y
ENZ-0204	4-2	Nagler Zoom (disc)	1¼"	5 / 3	50	B	10	3.3-1.7	0.9	1.6		1.7		0.25	0.36 / 5.7	Y	N