

WARRANTY INFORMATION

We sincerely thank you for your purchase and wish you years of pleasure using it!

Tele Vue Warranty Summary

Eyepieces, Barlows, Powermates, & Paracorr have a "Lifetime Limited" warranty, telescopes & accessories are warranted for 5 years. Electronic parts are warranted for 1 year. Warranty is against defects in material or workmanship. No other warranty is expressed or implied. No returns without prior authorization. Please keep your receipts in case you need warranty service.

Lifetime Limited Warranty details online: http://bit.ly/TVOPTLIFE
5-Year/1-Year Warranty details online: http://bit.ly/TVOPTLIMITED
Subscribe to our Blog for the latest Tele Vue news: https://bit.ly/TeleVueBlog

	Keep For Your Records
Dealer:	City/State/Country:
Date (day/month/year):/	_/ Item Code / Description

32 Elkay Dr., Chester, New York 10918 (845) 469-4551. televue.com











@televueoptics

(QBT-1006) QWIK-POINT INSTRUCTIONS

WARNING: DO NOT LOOK AT THE SUN. INSTANT AND PERMANENT DAMAGE TO YOUR EYES WILL OCCUR.

INTRODUCTION & USE

Qwik-Point uses a beam splitting mirror/lens to combine the scene through the lens

with a red dot projected by it. The red dot indicates where your telescope is pointed. To aim you telescope with Qwik-Point, view the de-

sired object with both eyes. Do not close one. You can also be any distance behind Qwik-Point. Swing your scope toward the object, allowing one eye to look through the Qwik-Point lens. When Qwik-Point 's dot is on the object, look through your scope.

COMPONENTS

The QWIK-POINT unit contains the light source, mirror/lens, on-off switch, battery azimuth and elevation adjustment screws, and clamp screws **QWIK-POINT** for the adapter bar.

ILLUMINATED

Tele Vue Qwik

The adapter bar permits mounting Qwik-Point on a variety of scopes.

MOUNTING

Loosen clamp screws on Qwik-Point and slide the adapter out toward the back of the unit.

For Tele Vue Ring Mounts use one or two #10-32 socket head (apa-1004) cap screws for mounting. Ranger models with slotted rear housings require one #10-32 screw and Ranger models with just a threaded hole in the rear housing requires a #6-32 button head screw ½" long.

For telescopes with different radius tubes, file or sandpaper the adapter bottom concave to match the tube shape and cement (contact cement) or screw the adapter to the tube.

END VIEW OF ADAPTER BAR

Additional adapters (QPA-1004) may be purchased.

HORIZONTAL

ADJUSTMENT (AZIMUTH)

ALIGNMENT

ON-OFF SWITCH

With a low power eyepiece in the scope, find a suitable alignment subject and place it in the center of the field. With a Phillips head screw

 $(\mathbf{+})$

the field. With a Phillips head screw NESTS IN RANGER SLOT WITH A Phillips head screw NESTS IN RING MOUNT driver, turn the horizontal and vertical adjustment screws until Qwik-Point 's red dot is pointed to

the subject. Your scope and Qwik-Point are now aligned. If you remove Qwik-Point, check the alignment upon reinstallation.



ADAPTER BAR CLAMP SCREWS

VERTICAL ADJUSTMENT (ALTITUDE)

To replace the 3V lithium battery: slide out the battery and install a new battery with the (+) face down.

Clean the lens by blowing dust off with a puffer brush. Remove grease with a cotton swab moistened with lens cleaning fluid.

V3/01/07

DOVETAIL MATES WITH QWIK-POINT

3V LITHIUM





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DIAGONAL MIRROR CLEANING

This diagonal has a high efficiency mirror which requires special handling. Scratches happen when dust or other abrasive particles are on the mirror and are wiped across the surface during cleaning. Clean mirror <u>ONLY</u> when absolutely necessary.

- 1) Remove dust, dirt, grease, etc., from the mirror surface. Use rubber ear syringe (purchased at any drug store) to blow off loose contaminants.
- 2) Make a pad with lens cleaning tissue (such as Kimwipes®), moisten it with fresh isopropyl alcohol (90% or better) or Methanol to wash off grease. Gently wipe across mirror surface using only the weight of the pad. Do not rub, this will scratch the mirror. Do not touch the metal parts.
- 3) Slight residual stains or dust spots will have absolutely no visible effects in observing.

CAUTION: Do not clean mirror with water or water-based cleaners such as Windex® or any other commercial lens cleaners. This is not a lens. All contain too much water and will leave residue.

V1/16/2016



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Date (day/month/yr)://	_ 25.0 Plössi (EAP-25.0)					
Tele Vue® 32 Elkay Drive Chester, NY 10918-3001 U.S.A.	Please fill out, cut out, and mail form below within 2-weeks of product purchase. Please include copy of sales receipt that has your name, the dealer name, and product name. Cut out mailing address at left, tape to envelope, insert form & sales receipt in envelope and apply sufficient postage to envelope.					
}						
Name Last First	How did you learn about this product? Dealer Friend Tele Vue Blog CloudyNights.com TeleVue.com Social Media/Magazine/Other(s):					
Street Address	What made you decide to buy this and your comments after using the product?					
City State/Province						
Postal Country Code						
Email*:	Purchase Information					
Phone:	Dealer:					
Astro Club:	City/State/Country:// Date (day/month/yr)://					

VIP-2010 VISUAL-IMAGING PARACORR TYPE-2

Newtonian/Dobsonian telescopes can benefit from using a Tele Vue Paracorr (Parabola Corrector) to eliminate coma in the image. Coma is the effect that makes officenter stars appear like little comets (it becomes more apparent as stars.

image. Coma is the effect that makes off-center stars appear like little comets (it becomes more apparent as stars move closer to the edge of the field). While a Newtonian/Dobsonian telescope will benefit from the use of Paracorr, those faster than f/5.0 will see the greatest results. Stars at the edge of the field will improve so dramatically, that when using top-notch Tele Vue eyepieces an object will be equally sharp anywhere in the field. It also prevents faint stars from disappearing at the edge of the eyepiece field. This is not only aesthetically pleasing, but it also greatly reduces the need to constantly nudge the scope to keep the object centered in the "sweet spot." Just insert Paracorr into your 2" focuser like a 2" Barlow (it has a 15% [1.15x] magnification factor) and add Tele Vue eyepieces to suit your needs. It's a recipe for perfection when combined with Tele Vue eyepieces.

The Paracorr Type-2 allows an f/3 parabolic mirror to perform like an f/12 without it. This permits development of a new generation of larger ladderless Dobs, with bigger, sharper fields than ever before. Indeed, it's already been successfully applied by Mike Lockwood to his 20° f/3 and 14.5° f/2.55!

This model Paracorr is dual function: the tunable top permits positioning all Tele Vue eyepieces for optimum performance (see eyepiece position chart on the other side), and the optical assembly can be removed for use in an imaging system with DSLR or CCD cameras along with Tele Vue Imaging System accessories.

Enter bit.ly/TVOPTPC in browser URL bar for more info.



This Eyepiece Accepts BANDMATE™ Filters

Adding Bandmate filters to your eyepiece make nebulae "pop-out" in the field. Bandmate does this by passing select wavelengths of light and blocking other to darken the sky and increase contrast. Several filters are available for 2" and 1½" barrel eyepieces.

- Bandmate Nebustar is a a unique narrowband filter design specifically for Tele Vue as a generalpurpose nebula filter for scopes of any size. Unlike other ultra-high constrast (UHC) designs, Nebustar blocks red wavelengths normally passed by typical UHC filters. The design eliminates star bloat to produce sharper, more natural looking stars along with enhanced nebulosity.
- Bandmate OIII filter enhances planetary nebulae and supernovae remnants.
- ullet Bandmate Heta brings out the hydrogen-beta emission lines found in hydrogen emitting nebulae.

Enter bit.ly/TVOPBM2 in browser URL bar for more info.





flickr











Choosing Your Eyepieces

by Al Nagler CEO, Tele Vue Optics, Inc

TeleVue[®]

MAGNIFICATION

Eyepieces determine your telescope's magnification.

Magnification = telescope focal length ÷ eyepiece focal length

TRUE FIELD OF VIEW

Eyepieces also determine the true field you see in the sky. To calculate the true field of view that you will see (in degrees).

True field of view = (eyepiece field stop diameter ÷ telescope focal length) x 57.3

THE FIELD STOP AND APPARENT FIELD OF VIEW

The field stop is the metal ring inside the eyepiece barrel that limits the field size. It's projected by the eyepiece so that it appears as a circle out in space when you look through the eyepiece. The angular diameter of this circle is called the apparent field of view (AFOV) and is a fixed property for each eyepiece design. For example, Plössl and Nagler Zoom eyepieces have an AFOV of 50°, Panoptics have 68°, Delos have 72°, Naglers have 82°, Ethos have 100° and the Ethos-SX eyepiece has 110°.

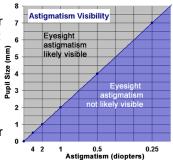
LOW-TO-MEDIUM POWER VIEWING

For low-power viewing of large objects, or to use your telescope as a low-power finder, use an eyepiece that delivers close to the maximum possible true field of view (note that for 1.25" eyepieces, the maximum field stop diameter is 27mm; for 2" eyepieces, it's 46mm). Then add eyepieces covering uniform increments in smaller field stops. For example, if your widest field eyepiece has a 40mm diameter field stop and you choose a decreasing increment diameter factor of 2 (which results in a 4x decrease in area size), you'll end up with eyepieces having field stop diameters of approximately 40mm, 20mm and 10mm. To further fill in with incremental steps, add eyepieces with approximate field stop diameters of 28mm and 14mm. Of course, avoid duplicating focal lengths. For example, if you use a 31mm Nagler (with a 42mm field stop diameter), you would not need a 32mm Plössl (with a 27mm field stop diameter).

In general, for each field stop size, choosing eyepieces with shorter focal lengths and larger apparent fields of view will allow you to see more detail and fainter stars. In addition, you'll have a smaller exit pupil to better match your eyesight.

EYEGLASSES AND EYE RELIEF

If you do not need eyeglasses to correct astigmatism, don't use them when observing. If you wear glasses to correct astigmatism, make sure they're multi-coated, and try to choose eyepieces that have at least 15mm to 20mm of eye relief, to minimize any field reduction (vignetting). However, you will find that with small exit pupils such as 1mm or less, you probably will not need eyeglasses, and can therefore use eyepieces with less eye relief. You can use DIOPTRX instead of eyeglasses for best performance, with Tele Vue eyepieces that accept this accessory.



EXIT PUPIL

The exit pupil is the image of the objective that is formed by the eyepiece. It's where you place your eye to see the full field of view.

Exit pupil = eyepiece focal length ÷ telescope fl#

For reflecting telescopes, it's best to avoid exit pupils larger than 7mm or smaller than 0.5mm. Refracting telescopes have no upper limits on exit pupil sizes.

IMAGE AMPLIFIERS (Barlows and Powermates)

You can also choose a long focal length eyepiece with comfortable eye relief and use image amplifying lenses to increase power. Tele Vue makes Barlows and Powermates (an improvement to the Barlow-type design) in magnification factors of 2x, 2.5x, 3x, 4x and 5x.

PARACORR Type-2 (Parabola Corrector)

If you have a Newtonian or Dobsonian reflector that's f/5.0 or faster, you should seriously consider using the Paracorr to eliminate coma, so your full field eyepiece sharpness is not compromised. Paracorr also acts like a 1.15x image amplifier, so, for example, a 1000mm f/4.5 scope becomes an 1150mm f/5.2 scope. Adjust your eyepiece focal length choices accordingly. Paracorr Type-2 is for scopes as fast as f/3.0.

HIGH-POWER VIEWING

Once you've selected an eyepiece set based on field stop sizes, calculate the magnifications produced with your scope. For planetary or double star observing, you'll want an eyepiece in at least the 150x range. For determining maximum power, a good rule of thumb is to use no more than 60x per inch of aperture for scopes with apertures up to 6". Higher magnifications may still be pleasing but will not likely reveal any additional detail. Realistically, the atmosphere will usually limit your planetary observing to a maximum magnification of about 300x, no matter how large your telescope aperture.

Basically, you'll be choosing low and medium power eyepieces by field stop increments to "frame" the subject, and high power eyepieces by magnification increments (based on your scope's aperture), to reach the optimum contrast and resolution for viewing planets and double stars.

Check out **www.televue.com** for the following related articles: "Choosing Your Telescope's Magnification", "Eyepieces for Small Dobs" and "Determining When To Use Eyeglasses".

For more individual advice on specific applications, you can always call Tele Vue at 845-469-4551

TELE VUE EYEPIECE SPECIFICATIONS

Tele Vue recommends choosing low and medium power eyepieces in $\underline{\text{ratios of field stop diameters}}$. For example, factors of 1.4 or 2.0. When choosing higher power eyepieces, use $\underline{\text{ratios of magnification}}$.

Focal	Туре	Product Code	Apparent	Field Stop Dia.	Eye Relief	Dioptrx	Pupil si	ze in mm f	or various	f/ratio tel	escopes
Length	/1		Field (deg)	(mm)	(mm)	Ready	f/4.5	f/5.2	f/7	f/10	f/14
(mm)			ر ار	 Eyepieces for V	/ido Truo Fiolo	J _c					
55	Plössl	EPL-55.0	50	46.0			12.2	10.6	7.0	5.5	3.9
41	Panoptic	EPC-41.0	68	46.0	38 27	Y	9.1	7.9	7.9 5.9	4.1	2.9
31	Nagler 5	EN5-31.0	82	42.0	19	Y	6.9	6.0	4.4	3.1	2.7
35	Panoptic	EPO-35.0	68	38.7	24	Y	7.8	6.7	5.0	3.5	2.5
21	Ethos	ETH-21.0	100	36.2	15	Y	4.7	4.0	3.0	2.1	1.5
22	Nagler 4	EN4-22.0	82	31.1	19	Y	4.9	4.2	3.1	2.2	1.6
27	Panoptic	EPO-27.0	68	30.5	19	Y	6.0	5.2	3.9	2.7	1.9
17	Ethos	ETH-17.0	100	29.6	15	Υ	3.8	3.3	2.4	1.7	1.2
17	Nagler 4	EN4-17.0	82	24.3	17	Υ	3.8	3.3	2.4	1.7	1.2
			11/2	" Eyepieces for '	Wide True Fie	lds					
40	Plössl	EPL-40.0	43	27.0	28	Υ	8.9	7.7	5.7	4.0	2.9
32	Plössl	EPL-32.0	50	27.0	22	Υ	7.1	6.2	4.6	3.2	2.3
24	Panoptic	EPO-24.0	68	27.0	15	Y*	5.3	4.6	3.4	2.4	1.7
13	Ethos	ETH-13.0	100	22.3	15	Υ	2.9	2.5	1.9	1.3	0.9
16	Nagler 5	EN5-16.0	82	22.1	10	N	3.6	3.1	2.3	1.6	1.1
19	Panoptic	EPO-19.0	68	21.3	13	Y*	4.2	3.7	2.7	1.9	1.4
25	Plössl	EAP-25.0	50	21.2	17	N	5.6	4.8	3.6	2.5	1.8
17.3	Delos	EDL-17.3	72	21.2	20	Υ	3.8	3.3	2.5	1.7	1.2
18.2	DeLite	EDE-18.2	62	19.1	20	Y	4.0	3.5	2.6	1.8	1.3
10	Ethos	ETH-10.0	100	17.7	15	Y	2.2	1.9	1.4	1.0	0.7
13	Nagler 6	EN6-13.0	82	17.6	12	Υ*	2.9	2.5	1.9	1.3	0.9
14 20	Delos Plössl	EDL-14.0 EAP-20.0	72 50	17.3 17.1	20	Y N	3.1	2.7 3.8	2.0	1.4	1.0
11	Apollo	EAF-20.0	85	16.2	18	Y	2.4	2.1	1.6	1.1	0.8
15	DeLite	EDE-15.0	62	16.0	20	Y	3.3	2.1	2.1	1.5	1.1
15	Detile	EDE 15.0					0.0	2.7	2.1	1.5	1.1
			1112	" Evenieses for							
10	Dalas	EDI 12.0		4" Eyepieces for			0.7	2.2	1.7	1.0	0.0
12	Delos	EDL-12.0	72	15.0	20	Υ	2.7	2.3	1.7	1.2	0.9
13	DeLite	EDE-13.0	72 62	15.0 13.8	20 20	Y	2.9	2.5	1.9	1.3	0.9
13 10	DeLite Delos	EDE-13.0 EDL-10.0	72 62 72	15.0 13.8 12.7	20 20 20	Y Y Y	2.9	2.5	1.9	1.3	0.9 0.7
13	Delite Delos Plössl	EDE-13.0 EDI-10.0 EAP-15.0	72 62	15.0 13.8 12.7 12.6	20 20	Y	2.9	2.5	1.9	1.3	0.9
13 10 15	DeLite Delos	EDE-13.0 EDL-10.0	72 62 72 50	15.0 13.8 12.7	20 20 20 10	Y Y Y	2.9 2.2 3.3	2.5 1.9 2.9	1.9 1.4 2.1	1.3 1.0 1.5	0.9 0.7 1.1
13 10 15 9	Delite Delos Plössl Nagler 6	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0	72 62 72 50 82	15.0 13.8 12.7 12.6 12.4	20 20 20 10 12	Y Y Y N Y*	2.9 2.2 3.3 2.0	2.5 1.9 2.9 1.7	1.9 1.4 2.1 1.3	1.3 1.0 1.5 0.9	0.9 0.7 1.1 0.6
13 10 15 9	DeLite Delos Plössl Nagler 6 DeLite	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0	72 62 72 50 82 62	15.0 13.8 12.7 12.6 12.4 11.7	20 20 20 10 12 20	Y Y Y N Y*	2.9 2.2 3.3 2.0 2.4	2.5 1.9 2.9 1.7 2.1	1.9 1.4 2.1 1.3 1.6	1.3 1.0 1.5 0.9	0.9 0.7 1.1 0.6 0.8
13 10 15 9 11	DeLite Delos Plössl Nagler 6 DeLite DeLite	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0	72 62 72 50 82 62 62 50	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1	20 20 20 10 12 20 20 8	Y Y Y N Y* Y Y	2.9 2.2 3.3 2.0 2.4 2.0	2.5 1.9 2.9 1.7 2.1 1.7	1.9 1.4 2.1 1.3 1.6 1.3	1.3 1.0 1.5 0.9 1.1 0.9	0.9 0.7 1.1 0.6 0.8 0.6
13 10 15 9 11	DeLite Delos Plössl Nagler 6 DeLite DeLite	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0	72 62 72 50 82 62 62 50	15.0 13.8 12.7 12.6 12.4 11.7 9.6	20 20 20 10 12 20 20 8	Y Y Y N Y* Y Y	2.9 2.2 3.3 2.0 2.4 2.0	2.5 1.9 2.9 1.7 2.1 1.7	1.9 1.4 2.1 1.3 1.6 1.3	1.3 1.0 1.5 0.9 1.1 0.9	0.9 0.7 1.1 0.6 0.8 0.6
13 10 15 9 11 9	Delite Delos Plössl Nagler 6 Delite Delite Plössl	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0	72 62 72 50 82 62 62 50	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1	20 20 20 10 12 20 20 8 Higher Powe	Y Y Y N Y N N TS	2.9 2.2 3.3 2.0 2.4 2.0 2.4	2.5 1.9 2.9 1.7 2.1 1.7 2.1	1.9 1.4 2.1 1.3 1.6 1.3	1.3 1.0 1.5 0.9 1.1 0.9	0.9 0.7 1.1 0.6 0.8 0.6 0.8
13 10 15 9 11 9 11 8 6	Delite Delos Plössl Nagler 6 Delite Delite Plössl	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0	72 62 72 50 82 62 62 50	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 /4" Eyepieces for	20 20 20 10 12 20 20 8 Higher Powe	Y Y Y Y N Y* Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4	2.5 1.9 2.9 1.7 2.1 1.7 2.1	1.9 1.4 2.1 1.3 1.6 1.3 1.6	1.3 1.0 1.5 0.9 1.1 0.9 1.1	0.9 0.7 1.1 0.6 0.8 0.6 0.8
13 10 15 9 11 9 11	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0	72 62 72 50 82 62 62 50 100	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 /4" Eyepieces for 13.9 10.4	20 20 20 10 12 20 20 8 Higher Powe	Y Y Y N Y* Y Y N Y* Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.5	1.9 1.4 2.1 1.3 1.6 1.3 1.6	1.3 1.0 1.5 0.9 1.1 0.9 1.1	0.9 0.7 1.1 0.6 0.8 0.6 0.8
13 10 15 9 11 9 11 8 6	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7	72 62 72 50 82 62 62 50 100 100 72 82	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 /4" Eyepieces for 13.9 10.4 9.9 9.7 8.9	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12	Y Y Y Y N Y* Y N Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.8 1.6	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9	1.9 1.4 2.1 1.3 1.6 1.3 1.6	1.3 1.0 1.5 0.9 1.1 0.9 1.1	0.9 0.7 1.1 0.6 0.8 0.6 0.8
13 10 15 9 11 9 11 8 6 8 7 4.7 6	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0	72 62 72 50 82 62 62 50 100 100 72 82 110 72	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 /4" Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12	Y Y Y Y N Y* Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.8 1.6 1.0	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9	1.9 1.4 2.1 1.3 1.6 1.3 1.6	1.3 1.0 1.5 0.9 1.1 0.9 1.1 0.8 0.6 0.8 0.7 0.5	0.9 0.7 1.1 0.6 0.8 0.6 0.8 0.6 0.4 0.6 0.5 0.3
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delos Delos Delos	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDE-07.0	72 62 72 50 82 62 50 100 100 72 82 110 72 62	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 //	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20	Y Y Y Y N Y* Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.8 1.6 1.0	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6	0.9 0.7 1.1 0.6 0.8 0.6 0.8 0.6 0.4 0.6 0.5 0.3
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delos Delos Delos Delos SX Delos Delite Ethos SX	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDI-07.0 ETH-03.7	72 62 72 50 82 62 62 50 100 100 72 82 110 72 62	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 /4" Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20	Y Y Y Y N Y* Y N Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.6 1.0 1.3	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7	0.9 0.7 1.1 0.6 0.8 0.6 0.8 0.6 0.4 0.6 0.5 0.3
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delos Delos Nagler 6 Nagler 6 Nagler 6	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDE-07.0 ETH-03.7 EN6-05.0	72 62 72 50 82 62 50 100 100 72 82 110 72 62 110 82	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 /4" Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20	Y Y Y Y N Y* Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.6 1.0 1.3 1.6 0.8	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7	0.9 0.7 1.1 0.6 0.8 0.6 0.4 0.6 0.5 0.3 0.4 0.5
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delos Delite Ethos SX Nagler 6 Plössl	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDE-07.0 ETH-03.7 EN6-05.0 EAP-08.0	72 62 72 50 82 62 50 100 100 72 82 110 72 62 110 82 50	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 /4" Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0 6.5	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20 15	Y Y Y Y N Y* Y Y N TS Y Y Y Y Y Y Y Y N N TS TS TS TS TS TS TS TS T	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.6 1.0 1.3 1.6 0.8 1.1	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3 0.7 1.0	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7	0.9 0.7 1.1 0.6 0.8 0.6 0.4 0.6 0.5 0.3 0.4 0.5
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5 8 4.5	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delos Nagler 6 Plössl Delos	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDE-07.0 ETH-03.7 EN6-05.0 EAP-08.0 EDI-04.5	72 62 72 50 82 62 50 100 100 72 82 110 72 62 110 82 50 72	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 // "Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0 7.0 6.5 5.6	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20 15 20	Y Y Y Y N Y* Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.6 1.0 1.3 1.6 0.8 1.1	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3 0.7 1.0	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7 1.1	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7 0.5 0.8	0.9 0.7 1.1 0.6 0.8 0.6 0.4 0.6 0.5 0.3 0.4 0.5 0.3
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5 8 4.5 5	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delite Ethos SX Nagler 6 Plössl Delos Delite Ethos Delos Delite Delite Ethos Delos Delos Delos Delos Delos Delos Delos	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDE-07.0 ETH-03.7 EN6-05.0 EAP-08.0 EDI-04.5 EDE-05.0	72 62 72 50 82 62 50 100 100 72 82 110 72 62 110 82 50 72 62	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 //* Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0 7.0 6.5 5.6 5.3	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20 15 20 20	Y Y Y Y N Y* Y Y N TS Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.6 1.0 1.3 1.6 0.8 1.1 1.8	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3 0.7 1.0	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7 1.1 0.6	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7 0.5 0.8	0.9 0.7 1.1 0.6 0.8 0.6 0.4 0.6 0.5 0.3 0.4 0.6 0.3
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5 8 4.5 5 3.5	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delite Ethos SX Delos Delite Ethos SX Nagler 6 Plössl Delos Delos Delos Delos	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDE-07.0 ETH-03.7 EN6-05.0 EAP-08.0 EDI-04.5 EDE-05.0 EN6-03.5	72 62 72 50 82 62 62 50 100 100 72 82 110 72 62 110 82 50 72 62 82	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 //* Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0 7.0 6.5 5.6 5.3 4.8	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20 15 12 6 20	Y Y Y Y N Y* Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.8 1.6 1.0 1.3 1.6 0.8 1.1 1.8	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3 0.7 1.0 1.5 0.9	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7 1.1 0.6 0.7	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7 0.5 0.6 0.5 0.5	0.9 0.7 1.1 0.6 0.8 0.6 0.4 0.6 0.5 0.3 0.4 0.6 0.3
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5 8 4.5 5 3.5	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delite Ethos SX Delos Delite Ethos SX Nagler 6 Plössl Delos Delos Delos Delos	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDE-07.0 ETH-03.7 EN6-05.0 EAP-08.0 EDI-04.5 EDE-05.0 EN6-03.5 EDI-03.5	72 62 72 50 82 62 50 100 100 72 82 110 72 62 110 82 50 72 62 82 72	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 //* Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0 7.0 6.5 5.6 5.3 4.8 4.4	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20 15 12 6 20 20	Y Y Y Y N Y* Y Y N TS Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.6 1.0 1.3 1.6 0.8 1.1 1.8 1.0 1.1 0.8 0.8	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3 0.7 1.0 1.5 0.9	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7 1.1 0.6 0.7 0.5 0.5	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7 0.5 0.8 0.5 0.5 0.4	0.9 0.7 1.1 0.6 0.8 0.6 0.6 0.4 0.6 0.5 0.3 0.4 0.6 0.3 0.4 0.6
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5 8 4.5 5 3.5	Delite Delos Plössl Nagler 6 Delite Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delite Ethos SX Delos Delite Nagler 6 Plössl Delos Delos Delos Delite Nagler 6 Delos Delite	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDI-07.0 ETH-03.7 EN6-05.0 EAP-08.0 EDI-04.5 EDE-05.0 EN6-03.5 EDI-03.5 EDI-03.5 EDI-03.5	72 62 72 50 82 62 62 50 100 100 72 82 110 72 62 110 82 50 72 62 82	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 //* Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0 7.0 6.5 5.6 5.3 4.8 4.4 4.3	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20 15 12 6 20	Y Y Y Y N Y* Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.8 1.6 1.0 1.3 1.6 0.8 1.1 1.8	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3 0.7 1.0 1.5 0.9	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7 1.1 0.6 0.7	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7 0.5 0.6 0.5 0.5	0.9 0.7 1.1 0.6 0.8 0.6 0.8 0.6 0.4 0.6 0.5 0.3 0.4 0.6 0.3 0.4 0.6 0.3
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5 8 4.5 5 3.5 3.5	Delite Delos Plössl Nagler 6 Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delite Ethos SX Delos Delite Ethos SX Nagler 6 Plössl Delos Delos Delos Delos	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDE-07.0 ETH-03.7 EN6-05.0 EAP-08.0 EDI-04.5 EDE-05.0 EN6-03.5 EDI-03.5	72 62 72 50 82 62 50 100 100 72 82 110 72 62 110 82 50 72 62 82 72 62 62	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 //* Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0 7.0 6.5 5.6 5.3 4.8 4.4 4.3 3.2	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20 15 12 6 20 20 20 20	Y Y Y Y N Y* Y Y N TS Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.6 1.0 1.3 1.6 0.8 1.1 0.8 0.8 0.9 0.7	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3 0.7 1.0 1.5 0.9 1.0 0.7 0.7 0.8	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7 1.1 0.6 0.7 0.5 0.7 0.5 0.6	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7 0.5 0.6 0.7 0.5 0.6 0.7 0.7 0.9	0.9 0.7 1.1 0.6 0.8 0.6 0.8 0.6 0.4 0.6 0.5 0.3 0.4 0.6 0.3 0.4 0.6
13 10 15 9 11 9 11 8 6 8 7 4.7 6 7 3.7 5 8 4.5 5 3.5 3.5	Delite Delos Plössl Nagler 6 Delite Delite Delite Plössl Ethos Ethos Delos Nagler 6 Ethos SX Delos Delite Ethos SX Delos Delite Nagler 6 Plössl Delos Delos Delos Delite Nagler 6 Delos Delite	EDE-13.0 EDI-10.0 EAP-15.0 EN6-09.0 EDE-11.0 EDE-09.0 EAP-11.0 ETH-08.0 ETH-06.0 EDI-08.0 EN6-07.0 ETH-04.7 EDI-06.0 EDI-07.0 ETH-03.7 EN6-05.0 EAP-08.0 EDI-04.5 EDE-05.0 EN6-03.5 EDI-03.5 EDI-03.5 EDI-03.5	72 62 72 50 82 62 50 100 100 72 82 110 72 62 110 82 50 72 62 82 72 62 62	15.0 13.8 12.7 12.6 12.4 11.7 9.6 9.1 //* Eyepieces for 13.9 10.4 9.9 9.7 8.9 7.6 7.5 7.0 7.0 6.5 5.6 5.3 4.8 4.4 4.3	20 20 20 10 12 20 20 8 Higher Powe 15 15 20 12 15 20 20 15 12 6 20 20 20 20	Y Y Y Y N Y* Y Y N TS Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	2.9 2.2 3.3 2.0 2.4 2.0 2.4 1.8 1.3 1.6 1.0 1.3 1.6 0.8 1.1 0.8 0.8 0.9 0.7	2.5 1.9 2.9 1.7 2.1 1.7 2.1 1.5 1.2 1.5 1.3 0.9 1.2 1.3 0.7 1.0 1.5 0.9 1.0 0.7 0.7 0.7 0.8 0.6	1.9 1.4 2.1 1.3 1.6 1.3 1.6 1.1 0.9 1.1 1.0 0.7 0.9 1.0 0.5 0.7 1.1 0.6 0.7 0.5 0.7 0.5 0.6	1.3 1.0 1.5 0.9 1.1 0.8 0.6 0.8 0.7 0.5 0.6 0.7 0.4 0.5 0.8 0.5 0.4 0.4	0.9 0.7 1.1 0.6 0.8 0.6 0.8 0.6 0.4 0.6 0.5 0.3 0.4 0.5 0.3 0.4 0.6 0.3 0.4 0.6

NOTE: True Field in degrees = (Field Stop dia./Telescope Focal Length) X 57.3° *Indicates additional Dioptrx Adapter required As of January 2012, all Tele Vue eyepieces have a limited lifetime warranty.

