TELESCOPES



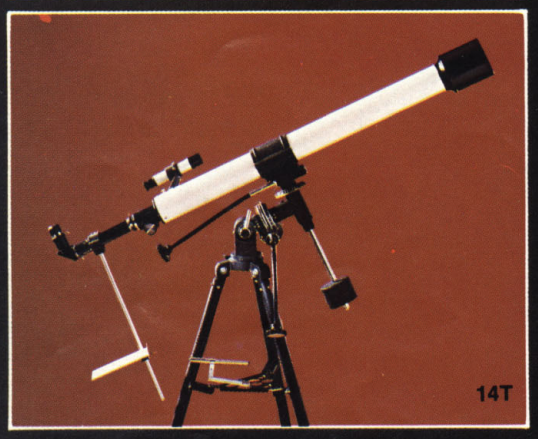
GREAT ORION NEBULA
TASCO SALES INC. CT-7-78

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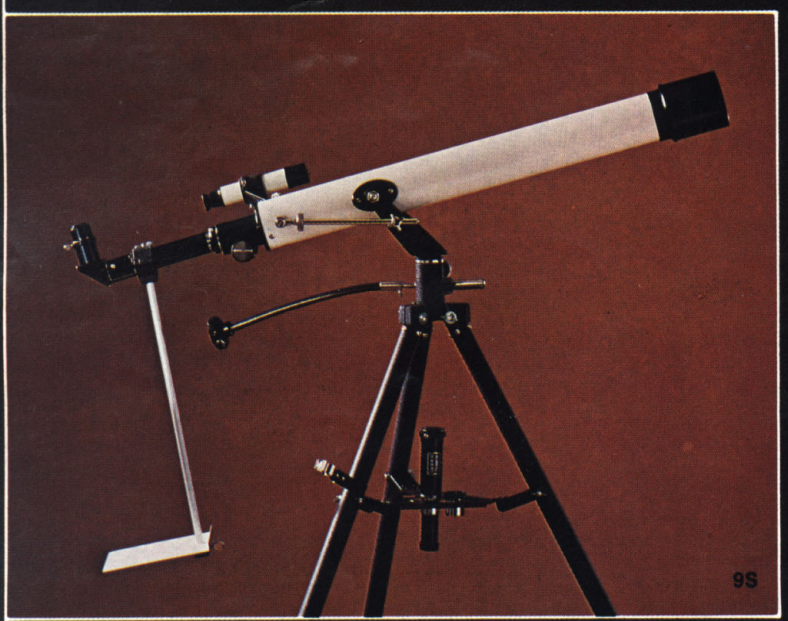
ASTRONOMICAL TELESCOPES

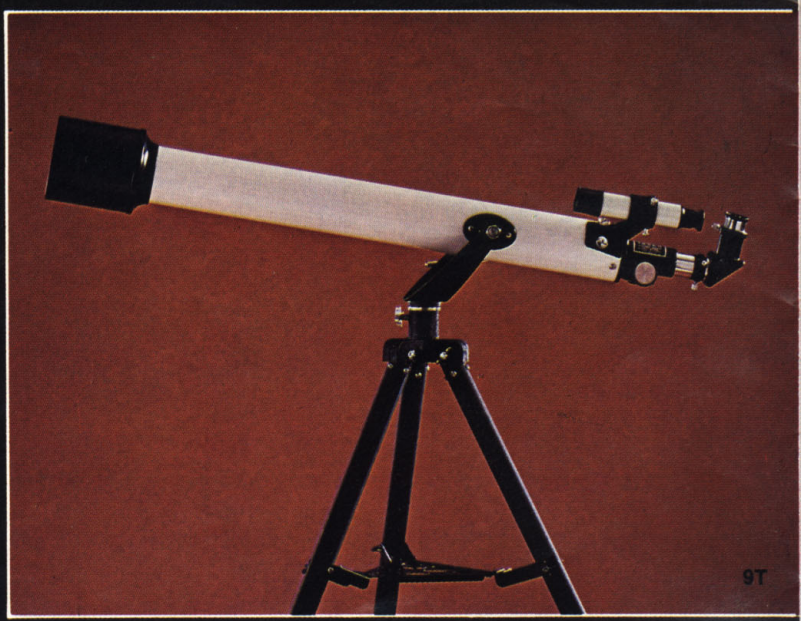


#20T OBSERVATORY REFRACTOR 400X108mm (40X, 64X, 73X, 128X, 266X, 400X) For the professional who will appreciate the defined sharpness of the famous double-double star, Epsilon Lyrae, the colored double, Beta Cygni (Albireo) and others to 11.8 magnitude! Resolving power of 1.2 seconds. Focal length of 1600mm. Rack and pinion focusing. Interchangeable lenses—OR4mm, HM6mm, HM12mm, K22mm, HM25mm and AH40mm eye lenses. 2 star diagonal prisms, 2 sun filters, sun diagonal prism, moon filter, 6X30mm finderscope, 25X50mm guidescope. Complete equatorial mount with 3 setting circles, flexible slow motion controls and synchronized electric clock drive. Extra-rigid, heavy duty pedestal base with accessory tray. Spirit level, sun projection screen. Booklet "Key to Worlds Beyond", Space and Moon Maps included. Two wooden storage cases. Shipping Wt. 338 lbs.



#14T SOLARAMA REFRACTOR 300X60mm (39X, 78X, 50X-150X Zoom, 300X) — Zoom down to 10.7 magnitude with 50 to 150 powers. 900mm focal length. Resolving power of 2.5 seconds. Rack and pinion focusing. H6mm eye lens and 6mm to 18mm erecting zoom eye lens with separable 23mm eyepiece. Diagonal prism, sun filter, moon filter and sun projection screen. 2X Barlow lens — 5X24mm finderscope. Complete equatorial mount with 2 setting circles. Flexible slow-motion controls. 54" metal tripod with accessory tray and clip-on Nite-writer pen. Gift boxed. Booklet "Key to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 31 lbs.





#9S REFRACTOR 350X60mm — Responds splendidly for clear shots of Jupiter, the rings of Saturn, and stars of the eighth and ninth magnitude. Fine resolving power of 2.5 seconds. Focal length 700mm. Rack and pinion focusing. Interchangeable eye lenses. SR4mm, (175X, 300X), H23mm (30X, 60X), 6mm (117X) to 18mm (38X) zoom erecting eyepiece, 2X Barlow lens, diagonal prism, sun filter, sun projection screen, moon filter, 5X24 finderscope. Alt-azimuth mount with micro-adjustments for altitude and azimuth control. Rigid 54" metal telescoping tripod with accessory tray. Gift boxed. Observatory Nite-writer pen with tripod clip-on. Booklet "Key to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 17 lbs.

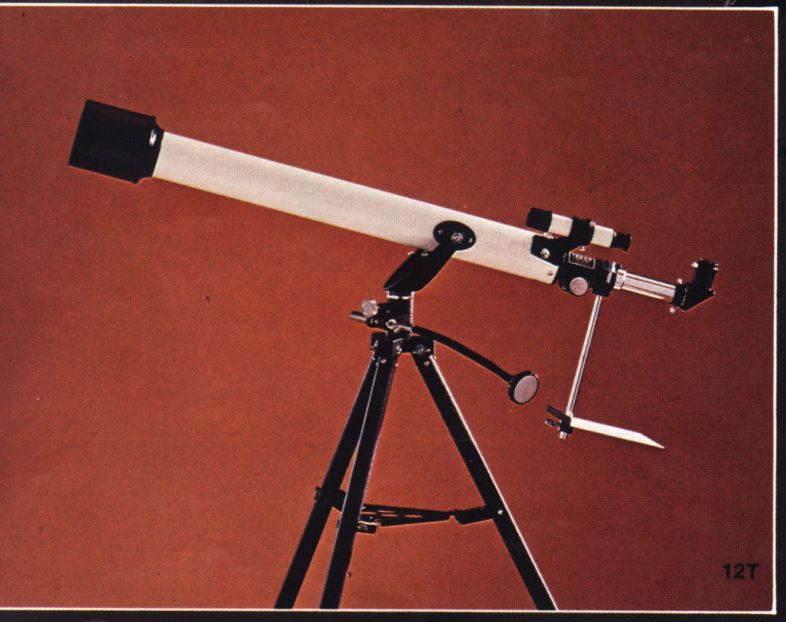
#9T STARBRITE REFRACTOR 234X60mm (55X, 110X, 117X, 234X) — Favored by aspiring astronomers. Responds well for clear images of planets and stars to eighth and ninth magnitudes. Resolving power of 2.5 seconds. Focal length 700mm. Rack and pinion focusing. Interchangeable eye lenses. H6mm, H12.5mm. 2X Barlow lens, diagonal prism, sun filter, 5X24 finderscope. Solar aperture cap. Alt-azimuth mount with micro-adjustment for altitude control. Rigid 54" metal telescoping tripod with accessory tray. Gift boxed. Booklet "Key to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 17 lbs.

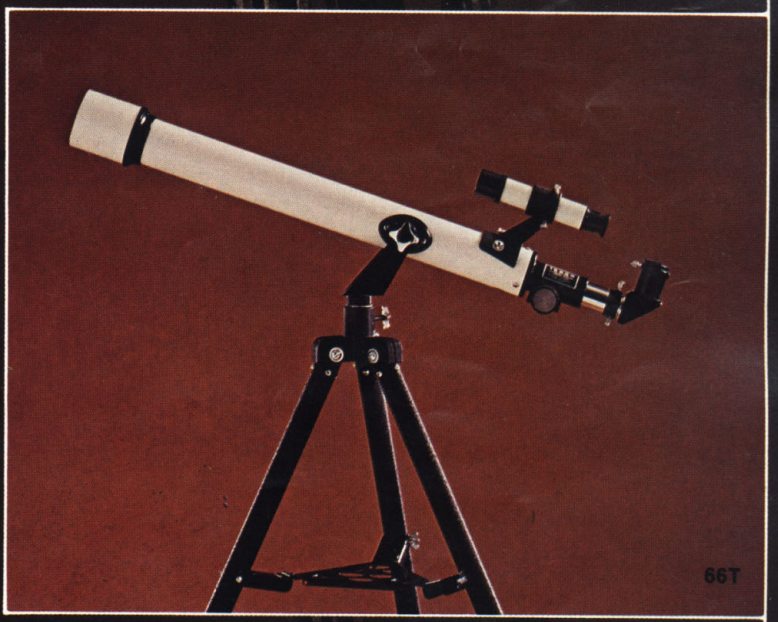
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#10K SOLARAMA REFRACTOR
600X80mm Join the professionals! Enjoy highly refined images. Faint double stars, multiples and clusters as faint as magnitude 11.2 are discernible with a resolving power of 1.5 seconds. 1200mm focal length. Rack and pinion focusing. Interchangeable lenses — SR4mm, (300X), HM12.5mm, (96X), H20mm (60X) eye lenses. 2X Barlow lens, erecting prism, diagonal prism, sun filter, 6X30 finderscope. Complete equatorial mount with 2 setting circles, latitude scale, double and single indexing, flexible slow-motion controls. Heavy duty tripod with accessory tray, sun projection screen, spirit level. Hardwood case, styrofoam fitted. Booklet "Key to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 51 lbs.

#15K — Same as 10K with electric clock drive. Not pictured.







#12T SOLARAMA REFRACTOR 266X60mm (64X, 128X, 133X, 266X) — 117,000 stars are within your range as you enjoy all the basic characteristics found in more expensive telescopes. Resolving power of 2.5 seconds. 800mm focal length, rack and pinion focusing. Interchangeable eye lenses — H6mm, H12.5mm. 2X Barlow lens. Erecting prism, diagonal prism. Sun filter, sun projecting screen, 5X24 finderscope. Solar aperture cap. Alt-azimuth mount with micro-adjustments. Telescoping 54" metal tripod with accessory tray. Hardwood carrying case, styrofoam fitted. Booklet "Key to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 28 lbs.

#66T COSMIC II REFRACTOR 180X50mm (30X, 45X, 48X, 72X, 120X, 180X) An extremely capable, general purpose telescope that's lightweight, yet powerful. 600mm focal length. Resolves to 2.8 seconds. Rack and pinion focusing. Three interchangeable eye lenses. H5mm, H12.5mm, H20mm and 1.5X erecting eyepiece provides six different viewing powers. Diagonal prism, sun filter, and 5X24 finderscope. Alt-azimuth mount, telescoping 54" metal tripod with accessory tray. Gift boxed. Booklet "Key to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 15 lbs.

REFLECTORS





16T

#16T CATADIOPTIC REFLECTOR 524X6″ MIRROR (52X, 104X, 145X, 262X, 290X, 524X)—Focus in on Venus, Saturn, or even distant double stars and multiples down to 11th and 12th magnitudes. Effective focal length of 1310mm and F8.5 focal ratio. Interchangeable eye lenses K25, OR9 and OR5. 2X Barlow. 6″ aluminized mirror ground and polished to 1/8 wave length. Sun filter, moon filter, 15X40mm guide scope. Solar aperture cap. Complete equatorial mount with hour and declination circles, single indexing system, micro-adjustments with flexible control. Heavy duty wooden tripod. Pan-head camera mount, built-in spirit lever. Wooden storage cases. Booklet "Keys to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 123 lbs.

#3T LUNA REFLECTOR 140X3″ MIRROR (34X, 55X, 140X and ZOOM 39X to 117X)—Improved astro-terrestrial reflector telescope. Long focal length of 700mm and F9 focal ratio. Interchangeable lenses—H5mm, H12.5mm, 6mm—18mm ZOOM eyepiece with separable 23mm eyepiece. Sun filter and 5X24 finderscope. Solar aperture cap. Alt-azimuth mount with micro-altitude control. Fully adjustable 54″ telescoping metal tripod. Gift boxed. Booklet "Keys to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 19 lbs.

#11T LUNAGOSSO REFLECTOR 300X4 1/2″ MIRROR (45X, 90X, 150X, 300X)—Enjoy more exacting definition and corrected chromatic aberration. Focus in multiples down to 11th magnitude. Spherical 4 1/2″ aluminized mirror that resolves to 1.5 seconds. Focal length 900mm, focal ratio F8. Rack and pinion focusing. Interchangeable eye lenses, H6mm and H20mm. 2X Barlow lens. Sun filter, moon filter, 5X24 finderscope. Solar aperture cap. Complete equatorial mount with hour and declination circles, double and single indexing system, micro-adjustments with flexible control. Heavy duty 60″ wood tripod with accessory tray. Gift boxed. Booklet "Keys to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 36 lbs.

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CELESTIAL/TERRESTRIAL TELESCOPES



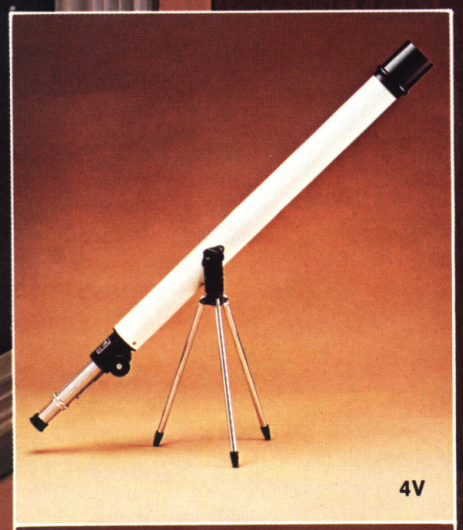
#89T TERRA REFRACTOR—ZOOM 20X—60X60mm—A scope for all purposes. Zoom in on clear views of the heavens or distant landscapes with crisp, sharp, right-side-up images. Fully coated achromatic 60mm objective lens. 20X-60X zoom eye lens. 4X15 finderscope. New special lens design increases the field of view at 1000 yards from the normal 40 to 50 feet to a wide 86½ feet. All-metal telescoping tripod adjusts to 66 inches in height. Rubber tipped feet, accessory tray, rubber eye shield to eliminate side light, in designer color (red). Micro-adjustments for altitude and azimuth control. Gift boxed. Booklet, "Key to Worlds Beyond", Space and Moon Maps included.

#88T TERRA REFRACTOR—ZOOM 20X—60X60mm—A scope for all purposes. Zoom in on clear views of the heavens or distant landscapes with crisp, sharp, right-side-up images. Fully coated achromatic 60mm objective lens. 20X-60X zoom eye lens. 4X15 finderscope. New special lens design increases the field of view at 1000 yards from the normal 40 to 50 feet to a wide 86½ feet. All-metal telescoping tripod adjusts 29" to 54" in height. Rubber tipped feet, accessory tray. Micro-adjustments for altitude and azimuth control. Gift boxed. Booklet "Keys to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 15 lbs.

#44T ZOOM STARFINDER REFRACTOR 30—90X60mm—Marvel at the crystal clear close-up views produced through a big 60mm objective lens. Resolves to 2.5 seconds. Rack and pinion focusing. Fixed single eyepiece. Variable from 30X to 90X. 4X15mm finderscope. Alt-azimuth mount with adjustable height 30" to 54" all metal tripod. Gift boxed. Booklet "Keys to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 15 lbs.

#5V STARGAZER REFRACTOR 60X60mm (15X, 30X, 45X, 60X)—Large 60mm objective lens produces images of remarkable clarity. Rack and pinion focusing. Fixed single eyepiece. Variable from 15X to 60X. Alt-azimuth mount with adjustable 30" to 54" all metal tripod. Gift boxed. Booklet "Keys to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 13 lbs.

TABLETOP TELESCOPES


4V


4E


2T



#6T COSMIC 1 REFRACTOR 100x50mm—Unfold the mysteries of the heavens through your own window. Compact in size, yet the large 50mm objective lens with its 600 focal length gives you a resolving power of 2.8 seconds. Powerful interchangeable eye lenses H20mm (30X), H12.5mm (48X) and H6mm (100X) let you explore the limitless wonders of space. Telescope comes complete with diagonal prism for convenient viewing angles, sun filter and 4X15 wide angle finderscope. Alt-azimuth mount with metal table top tripod, rubber tipped feet. Height: 16" assembled. Gift boxed. Booklet, "Keys to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 8 lbs.

#4V ASTEROID REFRACTOR 50x40mm (25X, 30X, 35X, 40X, 45X, 50X)—For the beginner looking for fun, this economy model scope is ideal. It's a 50 power mounted scope with more than enough viewing range to satisfy anyone's first step into space. Rack and pinion focusing. Fixed single eyepiece. Variable from 25X to 50X. 40mm objective lens. Alt-azimuth mount with metal tripod, rubber tipped feet. Height: 12" assembled. Gift boxed. Booklet "Keys to Worlds Beyond", Space and Moon Maps included. Shipping Wt. 5 lbs.

#4E WATCHER REFRACTOR 40X40mm—A scope to start beginners on their way to enjoying space observations. Fixed 40X single eyepiece. 40mm objective lens. Alt-azimuth mount with metal table top tripod, rubber tipped feet. Height: 12" assembled. Gift boxed. Shipping Wt. 5 lbs.

#2T COMET REFRACTOR 30x30mm—Tripod mounted, compactly designed 30 power telescope. Ideal for field trips and nature studies. 30mm objective lens. Opens from $7\frac{3}{4}$" to $13\frac{3}{4}$". Carrying case. Gift boxed. Shipping Wt. 3 lbs.

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HAND HELD AND POCKET TELESCOPES



#9501 MICRO-TEL 8X/30X11mm—Shaped like a pen to fit a shirt pocket, designed to serve as a double purpose magnifier. Remove the top and you have a 30X microscope. Combine the top lens with the bottom, using the "pen" tube for adjustable focusing, and you have an 8X telescope. Chrome plated, case included. Gift boxed. Shipping Wt. 7 oz.

#1V METEOR REFRACTOR 30X30mm (15X-20X-25X-30X)—Compact, versatile . . . use it anywhere for an exceptionally clear closeup view. Four powers: 15X, 20X, 25X, 30X. 30mm objective lens. Pocket size extends from 5" to 14". Case included. Gift boxed. Shipping Wt. 2 lbs.

#1A METEORITE REFRACTOR 25X30mm—Here's a pocket size telescope that will bring you 25 times closer. Ideal for camping, hunting, vacationing! 30mm objective lens. Opens from 5" to 14½". Case included. Gift boxed. Shipping Wt. 2 lbs.

#1E METEOR REFRACTOR 30X30mm—Small but powerful, brings brings you 30 times closer. 30mm objective lens. Compact, opens from 6⅞" to 14⅝". Gift boxed. Shipping Wt. 6 oz.

#1H 10X30mm—Color corrected, coated lenses, 10 power, 30mm objective lens. Built-in camera tripod adapter. Length 11¾". Shipping Wt. 10 oz.

#1Y TASCO 15X30mm—Hand held telescope. 15X power eye lenses, 30mm objective lens. 139' field of view. Helical rotating focusing. Length 9". Shipping Wt. 8 oz.

#9500S Similar to #9500 with chain, silver finish.

#9500G Similar to #9500 with chain, gold finish. Not pictured.

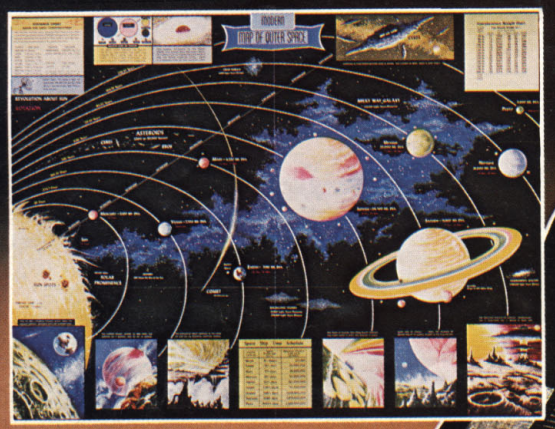
#9500 CARTRIDGE POCKET SCOPE 8X17mm—Pocket size. Looks like a shotgun cartridge. Blue finish trimmed in brass. 8 power, 17mm objective lens. Extends from 2⅞" to 8¼". Plastic protective pouch. Shipping Wt. 4 oz.

#9401 POCKET SCOPE 15x17mm—Convenient, clips right on to your pocket. 15 power, 17mm objective lens. extends from 5⅞" to 11½". Blue anodized finish. Shipping Wt. 7 oz.

ACCESSORIES

#1601N Tel-A-Dapter — Now any lightweight camera may be attached to any sturdy telescope. Simplified to fit most refractor and reflector scopes with interchangeable or fixed lens systems. Gift boxed. Shipping weight: 2 lbs.
#6616 Sun Filter — Very dark glass filter in a frame that screws onto telescope eyepiece to cut down the dangerously intense light when viewing the sun. Shipping weight: ¼ lb.
#6617 Moon Filter
#6619 1.5X Erecting Eyepiece — For refractor telescopes which will not accept an erecting prism. Used with regular eyepiece in telescope to produce an upright image and increase power by 50%. Shipping weight: 1 lb. Not shown.
#6621 Erecting Zoom Eyepiece — Zooms from 6mm through 18mm to increase power and erect images for terrestrial viewing with telescopes having a 31/32" tube and interchangeable eye lenses. Not for use on 6T or 66T. Shipping weight: 1 lb.
#6614 Sun Diagonal Prism — Also called Herschel Wedge, it can be used with telescopes having interchangeable eyepieces. Designed to dissipate some of sun's intense light. BUT SUN FILTER MUST ALSO BE USED! Shipping weight: 1 lb.
#6615 Star Diagonal Prism
#1598 "A Key To Worlds Beyond" — A telescope manual for beginning astronomers written in simple language with helpful instructions, tips and experiments that will allow them to enjoy astronomy and to get the most from their telescopes. Available in Spanish, French, and German. Shipping weight: ¼ lb.

#6618 Sun Projection Screen — An adjustable, white metal screen mounted on an extension rod permits easier, safer solar observations. The projected image is larger and prolonged observations of the sun's brilliant surface are possible without danger of eye damage. Shipping weight: 1 lb.
#6622 Sun Projection Screen fits 3T and 11T
#1602M Clock Drive — New 20-minute wind-up clock drive for tracking stars automatically with 11T and 14T Tasco telescopes. Shipping weight: 2 lbs.
#1602D Electric Clock Drive — Synchronous clock drive for automatically tracking stars with 11T and 14T Tasco telescopes. Shipping weight: 2 lbs. Not shown.
#1602E Electric Clock Drive — Synchronous clock drive for automatically tracking stars with 7T. Not shown.
#1602K for 10K and 15K Tasco telescopes. Shipping weight: 2 lbs. Not shown.
#Barlow Lenses — Increase the magnification of any eye lens. A 2X Barlow lens will double the power; a 3X Barlow will triple it.
#6669 2X Barlow (Fits 66T, 6T, 9T, or 14T)
#7100 3X Barlow (Fits 7T, 10K, or 15K). Not shown.
#7123 2X Barlow (Fits 7T, 12T, 11T, or 3T). Not shown.
Shipping weight: 1 lb. each. Not shown.
17¾" x 23" Rand McNally "Modern Map of Outer Space" will show you relative sizes and distances of various celestial bodies, estimated space travel time schedule, and other interesting information in colorful detail. Included free with all telescopes except 2T, 1V, 1E, 1A, 1Y and 4E.
24½" x 28" Rand McNally "Moon Map" is an official map of the Moon with all named areas indicated on the surface. In full color. Included free with all telescopes except 2T, 1V, 1E, 1A, 1Y, 1H and 4E.







LENS CHART FOR TASCO TELESCOPES

Shown below is a listing of various eyepieces with the power that they will produce

Cat. No.	Description	3T	66T 6T	7T	9S 9T	10T 10K	14T 11T	19T 12T	15K	16T	20T
#6601	SR4mm	175X	150X	250X	175X	300X	225X	200X	300X	327X	400X
#6602	OR4mm	175X	150X	250X	175X	300X	225X	200X	300X	327X	400X
#6620	H5mm	140X	120X	200X	140X	250X	180X	160X	250X	262X	320X
#6603	HM6mm	117X	100X	167X	117X	200X	150X	133X	200X	218X	266X
#6604	OR6mm	117X	100X	167X	117X	200X	150X	133X	200X	218X	266X
#6605	HM9mm	77X	66X	111X	77X	133X	100X	89X	133X	145X	177X
#6606	K12mm	58X	50X	83X	58X	100X	75X	67X	100X	109X	133X
#6607	H12.5mm	55X	48X	80X	55X	96X	73X	64X	96X	104X	128X
#6608	H20mm	35X	30X	50X	35X	60X	45X	40X	60X	65X	80X
#6609	K22mm	32X	27X	45X	32X	54X	41X	36X	54X	59X	73X
#6610	H25mm	28X	24X	40X	28X	48X	36X	32X	48X	52X	64X
#6611	AH40mm	17X	15X	25X	17X	30X	22X	20X	30X	33X	40X
#6621	zoom	117X 39X		167X 55X	117X 39X	200X 67X	150X 50X	133X 44X	200X 67X	218X 72X	266X 89X

The tops of the eye lenses are usually engraved to show the optical design and the focal length of the lens. For example, H6mm indicates that the lens is 6mm in focal length and is of the Huygens design. It has a field of view of 25°-45° (depending on power) with good color correction and definition. Other formulas are abbreviated as follows:

- OR, for Orthoscopic, has a field of view of 35°-50° (depending on power) with superior color correction and definition.
- K, for Kellner, has a field of view of 40°-50° (depending on power) with excellent color correction and definition.
- R, for Ramsden, has a field of view of 35°-45° (depending on power) with good color correction and definition.

Sometimes other letters appear in combination with Ramsden and Huygens abbreviations to indicate that they are variations of the original formulas. Additional eyepieces are available for telescopes that are designed to use interchangeable eyepieces. Eyepieces of different focal lengths will produce different powers of magnifications which will increase the versatility of the telescope and add to personal viewing pleasure.