



Fowler introduces the Stereo Zoom Microscopes. While the microscope is in focus, the magnification may be changed to suite the specimen. The zoom objectives of the instrument change the magnification continuously, covering a range of 7X—45X or 7.5X—34X (with standard 10X eyepieces).

Stereo Zoom Microscopes are used in the electronics and precision machine industries for assembling and inspection of products. They are suitable for micrography and observation of fine structure of irregular bodies because of their high resolution and clear imaging within a broad field of view. They are also suitable for educational purposes in schools and hospitals and in agriculture, forestry, medical service, geology, archeology and biology fields.

#53-640-734—Binocular head is stationary and positioned toward front of tool. Transmitted light is adjustable, surface light is not.

#53-640-877  
"Tri-ocular"  
Featuring a camera adaptor

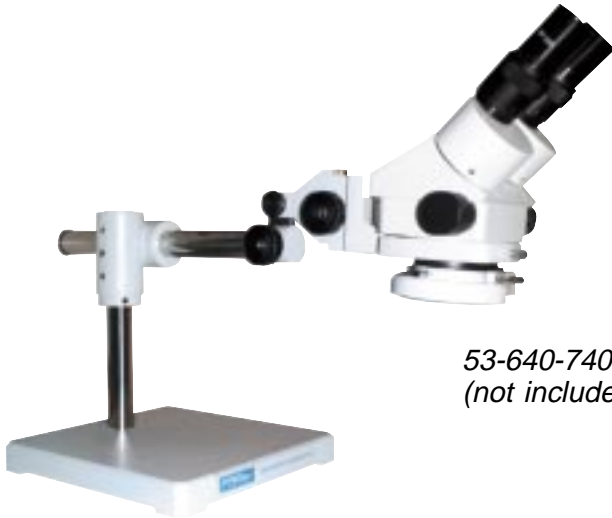
#53-640-734  
"Standard"

#53-640-777—Binocular head can be rotated a full 360° and locked in any position desired. Transmitted and surface lights (brightness can be adjusted separately).

#53-640-877—Like our 53-640-777 but with an adaptor to connect 35mm cameras that feature a standard "T" lens mount and an additional 2.5x eyepiece for photographic purposes

- Crisp and erect images with high resolution provide an excellent stereoscopic effect. Two zoom control rings on each side of the head and their horizontal axis make operation easy.
- Includes 10X eyepiece with wide field of view (linear field of eyepiece is 23mmØ).
- The binocular observation tube inclines 45°.
- Interpupillary distance can be adjusted over a wide range of 55—77mm and the diopter adjustment range from less than -5 to more than +5 for easy viewing.
- Stereo Zoom Microscopes include 10X eyepieces and both transmitted and surface illumination.





53-640-740 with 53-740-778  
(not included)

Note:  
Contact technical  
Department for  
reticles and video  
components

### S p e c i f i c a t i o n s

Model Number	Zoom Objective Magnification	10X Eyepiece Magnification	15X Eyepiece Magnification	20X Eyepiece Magnification
53-640-734	.75—3.4X	7.5—34X	11.25—51X	15—68X
53-640-777 w/o Doubler	.7—4.5X	7—45X	10.5—67.5X	14—90X
with 2X Doubler	1.4—9X	14—90X	21—135X	28—180X

Model Number	Working Distance	Field of View	Field of View	Field of View
53-640-734	93mm (3.66")	31—21mm	21—4.5mm	15.5—3.4mm
53-640-777 w/o Doubler	93mm (3.66")	33—5mm	22—4mm	16—3mm
with 2X Doubler	34mm (1.34")	16—3mm	11—2mm	8—1mm



Order No.	Description
53-640-734	Stereo Zoom Microscope 7.5—34X, includes 10X eyepieces and eyecups.
53-640-777	Deluxe Stereo Zoom Microscope 7—45X, includes 10X eyepieces and eyecups.
53-640-877	Deluxe Stereo Zoom Microscope 7—45X, includes 10X eyepieces and eyecups w/ 35mm camera adaptor
53-640-778	Deluxe Zoom Head with 10X eyepieces only (for use with 53-640-740)
53-640-702	2X Doubler Lens for #53-640-777 and 877.
53-640-710	10X Eyepieces included with #53-640-734, 777 and 877.
53-640-715	15X Eyepieces, optional for #53-640-734, 777 and 877.
53-640-720	20X Eyepieces, optional for #53-640-734, 777 and 877.
53-640-740	Universal Zoom Stand with top light for 53-640-777 or 778
53-640-745	Replacement bulb for 53-640-740
53-640-781	6V/12W Halogen Transmitted Lamp for #53-640-777 and 877.
53-640-000	6V/15W Halogen Surface Lamp for #53-640-734, 777 and 877.
53-640-001	Twin florescent transmitted tube lamp for #53-640-734.