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### Item # DSZ-44, DSZ-44 Binocular



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The DSZ-44 Series body can be mounted on a variety of stands. You choose the rack & pinion focus mount, illumination, and accessories to meet your specific requirements. Various eyepieces & auxiliary lenses can be used for desired magnification and working distance.

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#### Features

- Zoom Ratio of 4.4:1
- Magnification range 10x to 44x
- Field of View of 23 mm to 5.3 mm (0.90" to 0.20")
- Working distance 90 mm (3.54")
- Magnification range of 2.5x to 140.8x with optional lenses
- Wide Field 10x Eyepieces (field number 23)

#### To Configure Your System Select

1. The microscope body that meets your magnification, field of view and working distance requirements. Note with a combination of eyepieces and auxiliary lens you can tailor a system to meet your requirements.
2. Focusing Mount.
3. Stand (please take into account the working distance and the height of the stand).
4. Illumination - Fiber Optic, Fluorescent or LED.
5. Camera and or adapter if you are using a trinocular body.
6. Monitor if necessary.

#### Specifications

<b>Body</b>	Binocular
<b>Total Magnification</b>	10x to 44x
<b>Zoom Ratio</b>	4.4:1
<b>Field of View</b>	23mm to 5.3mm

DSW5x (F.N. 22.5)

<b>Magnification (DSW5x)</b>	<ul style="list-style-type: none"> <li>● <b>W/O Auxiliary Lens:</b> 5x to 22x</li> <li>● <b>Auxiliary Lens 0.5x :</b> 2.5x to 11x</li> <li>● <b>Auxiliary Lens 0.75x :</b> 3.75x to 16.5x</li> <li>● <b>Auxiliary Lens 1.6x :</b> 8x to 35.2x</li> </ul>
	10x-44x
<b>Working Dist. (DSW5x)</b>	<ul style="list-style-type: none"> <li>● <b>W/O Auxiliary Lens:</b> 90 mm</li> <li>● <b>Auxiliary Lens 0.5x :</b> 150 mm</li> <li>● <b>Auxiliary Lens 0.75x :</b> 105 mm</li> <li>● <b>Auxiliary Lens 1.6x :</b> 45 mm</li> </ul>

#### DSW10x (F.N. 23)

<b>Magnification (DSW10x)</b>	<ul style="list-style-type: none"> <li>● <b>W/O Auxiliary Lens:</b> 10x to 44x</li> <li>● <b>Auxiliary Lens 0.5x :</b> 2x to 22x</li> <li>● <b>Auxiliary Lens 0.75x :</b> 7.5x to 33x</li> <li>● <b>Auxiliary Lens 1.6x :</b> 16x to 70.4x</li> </ul>
<b>Working Dist. (DSW10x)</b>	<ul style="list-style-type: none"> <li>● <b>W/O Auxiliary Lens:</b> 90 mm</li> <li>● <b>Auxiliary Lens 0.5x :</b> 150 mm</li> <li>● <b>Auxiliary Lens 0.75x :</b> 105 mm</li> <li>● <b>Auxiliary Lens 1.6x :</b> 45 mm</li> </ul>
<b>Field of View (DSW10x)</b>	<ul style="list-style-type: none"> <li>● <b>W/O Auxiliary Lens:</b> 23 to 5.2 mm</li> <li>● <b>Auxiliary Lens 0.5x :</b> 46 to 10.4 mm</li> <li>● <b>Auxiliary Lens 0.75x :</b> 30.6 to 6.9 mm</li> <li>● <b>Auxiliary Lens 1.6x :</b> 14.3 to 3.2 mm</li> </ul>

#### DSW15x (F.N. 15)

<b>Magnification (DSW15x)</b>	<ul style="list-style-type: none"> <li>● <b>W/O Auxiliary Lens :</b> 15x to 66x</li> <li>● <b>Auxiliary Lens 0.5x :</b> 7.5x to 33x</li> <li>● <b>Auxiliary Lens 0.75x :</b> 11.25x to 49.5</li> <li>● <b>Auxiliary Lens 1.6x :</b> 24x to 105.6x</li> </ul>
<b>Working Dist. (DSW15x)</b>	<ul style="list-style-type: none"> <li>● <b>W/O Auxiliary Lens:</b> 90 mm</li> <li>● <b>Auxiliary Lens 0.5x :</b> 150 mm</li> <li>● <b>Auxiliary Lens 0.75x :</b> 105 mm</li> <li>● <b>Auxiliary Lens 1.6x :</b> 45 mm</li> </ul>
<b>Field of View (DSW15x)</b>	<ul style="list-style-type: none"> <li>● <b>W/O Auxiliary Lens:</b> 15 to 3.4mm</li> <li>● <b>Auxiliary Lens 0.5x :</b> 30 to 6.8 mm</li> <li>● <b>Auxiliary Lens 0.75x :</b> 20 to 49.5 mm</li> <li>● <b>Auxiliary Lens 1.6x :</b> 9.3 to 2.1 mm</li> </ul>

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#### DSW20x (F.N. 11.4)

<b>Magnification (DSW20x)</b>	<ul style="list-style-type: none"> <li>• <b>W/O Auxiliary Lens:</b> 20x to 88x</li> <li>• <b>Auxiliary Lens 0.5x :</b> 10x to 44x</li> <li>• <b>Auxiliary Lens 0.75x :</b> 15x to 66x</li> <li>• <b>Auxiliary Lens 1.6x :</b> 32x to 140.8x</li> </ul>
<b>Working Dist. (DSW20x)</b>	<ul style="list-style-type: none"> <li>• <b>W/O Auxiliary Lens:</b> 90 mm</li> <li>• <b>Auxiliary Lens 0.5x :</b> 150 mm</li> <li>• <b>Auxiliary Lens 0.75x :</b> 105 mm</li> <li>• <b>Auxiliary Lens 1.6x :</b> 45 mm</li> </ul>
<b>Field of View (DSW20x)</b>	<ul style="list-style-type: none"> <li>• <b>W/O Auxiliary Lens :</b> 11.4 to 2.5 mm</li> <li>• <b>Auxiliary Lens 0.5x :</b> 22.8 to 5.1 mm</li> <li>• <b>Auxiliary Lens 0.75x :</b> 15.2 to 3.45 mm</li> <li>• <b>Auxiliary Lens 1.6x :</b> 7.1 to 1.6 mm</li> </ul>

#### Options

<b>Focus Mount (Required)</b>	<a href="#">SCW-PA</a> , Focus Mount
<b>Stands</b>	<a href="#">Stand PF</a> , Stand Type PF with Focus Mount and Built in Fluorescent Light <a href="#">Stand P</a> , Pole Type Stand with Focus Mount <a href="#">Stand T</a> , Stand Type T with Focus Mount <a href="#">26800B-535</a> , Standard Dual Arm Ball Bearing Boom Stand with Mounting Post <a href="#">26800B-520</a> , Boom Stand with Mounting Post <a href="#">26800B-560</a> , Articulating Arm <a href="#">26800B-570</a> , Standard Stand with Safety Clamp
<b>Illumination</b>	<a href="#">26200B-203</a> , Fluorescent Ring Light with UV Lamp <a href="#">26200B-207</a> , Fluorescent Ring Light with Focus Mount for DSZ & NSW Series <a href="#">26200A-200-10+adapter</a> , Fiber Optic Illuminator with Ringlight <a href="#">26200A-200-20</a> , Fiber Optic Illuminator w/DbI Pipelight <a href="#">26200B-201</a> , Fluorescent Ring Light Economy, 12 watt Lamp <a href="#">26200B-202</a> , Fluorescent Ring Light Standard, 17 watt Lamp <a href="#">26200B-206</a> , Fluorescent Ring Light ESD Safe, 17 watt Lamp <a href="#">26200B-210+adapter</a> , LED Ringlight with Brightness Control <a href="#">26200B-211</a> , White LED Ring Light with Brightness & Sector Control
<b>Objective Lenses</b>	<a href="#">26800B-485</a> , Oblique Viewer <a href="#">26800B-461</a> , Auxiliary Lens 0.5X <a href="#">26800B-462</a> , Auxiliary Lens 0.75X <a href="#">26800B-463</a> , Auxiliary Lens 1.6X <a href="#">26800B-464</a> , Auxiliary Lens 2X <a href="#">26800B-465</a> , Lens Cover
<b>Eyepieces</b>	<a href="#">26800B-444</a> , DSW-5X Eyepiece Lens <a href="#">26800B-442</a> , DSW-15X Eyepiece Lens <a href="#">26800B-443</a> , DSW-20X Eyepiece Lens <a href="#">26800B-452</a> , Rubber Eye Guard for DSW Eyepieces (Set of 2)
<b>Focusing Eyepieces w/ Reticle</b>	<a href="#">26800B-455</a> , 10x with 10 : 100 mm Scale <a href="#">26800B-456</a> , 10x with 5 : 100 mm Scale <a href="#">26800B-457</a> , 10x with 20 x 20 0.5 mm Squares Scale <a href="#">26800B-458</a> , 10x with 10 x 10 1 mm Squares Scale <a href="#">26800B-459</a> , 10x with 10 : 100 mm Scale with Cross Line

