

# OPTIONAL ACCESSORIES

## Eyepieces



**DHW10X**  
10x, F.N. 23  
(for SPZ-50 / SPZT-50D / SPZV-50)

**DSW10X**  
10x, F.N. 23

(for DSZ-44 / DSZT-44 / DSZV-44 / NSW)



**DHW15X**  
15x, F.N. 15  
(for SPZ-50)

**DSW15X**  
15x, F.N. 15

(for DSZ / NSW)



**DHW20X**  
20x, F.N. 11.4  
(for SPZ)

**DSW20X**  
20x, F.N. 11.4

(for DSZ / NSW)

## Focusing Eyepieces 10x with Reticle



**DFHW10X**  
F.N.23  
(for SPZ)



**DFSW10X**  
F.N.23  
(for DSZ/NSW)

**DFHW10X10/100 · DFSW10X10/100**  
with 10:100mm scale

**DFHW10X5/100 · DFSW10X5/100**  
with 5:100mm scale

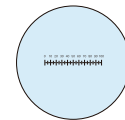
**DFHW10XH10/20 · DFSW10XH10/20**  
with 20x20 0.5mm squares

**DFHW10XH10/10 · DFSW10XH10/10**  
with 10x10 1mm squares

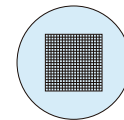
**DFHW10XH5/5 · DFSW10XH5/5**  
with 5x5 1mm squares

**DFHW10XCROSS · DFSW10XCROSS**  
with 10:100mm scale and cross line

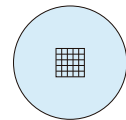
**DFHW10XLINE · DFSW10XLINE**  
with cross line



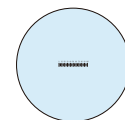
10:100mm scale



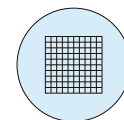
20x20 0.5mm squares



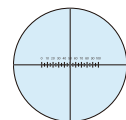
5x5 1mm squares



5:100mm scale



10x10 1mm squares



10:100mm scale with cross line

## Auxiliary Objective Lenses & Objective Lens Covers

0.45x/0.5x/0.75x/0.7x lenses reduce magnifications and extend working distances while 1.6x/2x lenses increase magnifications and shorten working distances.



**NSAL0.45X**  
0.45x

(not available with SPZ-50/SPZT-50D/SPZV-50 with pole type stand)

**NSAL0.5X**  
0.5x



**NSAL1.6X**  
1.6x

**NSAL2X**  
2x

(available with SPZ-50/SPZT-50D/SPZV-50 only)

**NSAL0.75X**  
0.75x

**NSAL0.7X**  
0.7x

### NSCG49

Objective lens cover

### NSCG49/D

Objective lens cover with screw threads on both sides



### Optical Data for SPZ-50 / SPZT-50D / SPZV-50

Eyepiece	DHW10X (F.N.23)					DHW15X (F.N.15)					DHW20X (F.N.11.4)				
	Nil	0.5x	0.75x	1.6x	2x	Nil	0.5x	0.75x	1.6x	W/2x	Nil	0.5x	0.75x	1.6x	2x
Magnifications	6.7x-50x	3.35x-25x	5x-37.5x	10.72x-80x	13.4x-100x	10.05x-75x	5.02x-37.5x	7.53x-56.25x	16.08x-120x	20.1x-150x	13.4x-100x	6.7x-50x	10.05x-75x	21.44x-160x	26.8x-200x
Working Distance	108mm	225mm	132mm	50mm	41mm	108mm	225mm	132mm	50mm	41mm	108mm	225mm	132mm	50mm	41mm
Field of view	34.3-4.6mm	68.9-9.2mm	45.7-6.1mm	21.4-2.8mm	17.1-2.3mm	22.3-3mm	44.7-6mm	29.8-4mm	13.9-1.8mm	11.1-1.5mm	17-2.2mm	34-4.5mm	22.6-3mm	10.6-1.4mm	8.5-1.1mm

### Optical Data for DSZ-44 / DSZT-44 / DSZV-44

Eyepiece	DSW10X (F.N.23)				DSW15X (F.N.15)				DSW20X (F.N.11.4)			
	Nil	W/0.5x	W/0.75x	W/1.6x	Nil	W/0.5x	W/0.75x	W/1.6x	Nil	W/0.5x	W/0.75x	W/1.6x
Magnifications	10x-44x	5x-22x	7.5x-33x	16x-70.4x	15x-66x	7.5x-33x	11.25x-49.5x	24x-105.6x	20x-88x	10x-44x	15x-66x	32x-140.8x
Working Distance	90mm	150mm	105mm	45mm	90mm	150mm	105mm	45mm	90mm	150mm	105mm	45mm
Field of view	23-5.2mm	46-10.4mm	30.6-6.9mm	14.3-3.2mm	15-3.4mm	30-6.8mm	20-49.5mm	9.3-2.1mm	11.4-2.5mm	22.8-5.1mm	15.2-3.45mm	7.1-1.6mm