

OPTIONAL ACCESSORIES

EYEPIECE LENSES



Model DHW10X
10x, F.N. 23
(For SPZ-50 / SPZT-50 / SPZV-50)

Model DSW10X
10x, F.N. 23
(For DSZ-44 / DSZT-44 / DSZV-44 / NSW)

Model DSW10XZ
10x, F.N. 20
(For DSZ-70 / DSZT-70)



Model DHW15X
15x, F.N. 15
(For SPZ-50 / SPZT-50 / SPZV-50)

Model DSW15X
15x, F.N. 15
(For DSZ-44 / DSZT-44 / DSZV-44 / NSW / DSZ-70 / DSZT-70)

Model HW-REG
Rubber Eyeguard
For DHW eyepieces



Model DHW20X
20x, F.N. 11.4
(For SPZ-50 / SPZT-50 / SPZV-50)

Model DSW20X
20x, F.N. 11.4
(For DSZ-44 / DSZT-44 / DSZV-44 / NSW / DSZ-70 / DSZT-70)

Model SW-REG
Rubber Eyeguard
For DSW eyepieces

FOCUSING EYEPIECE 10x WITH RETICLE



DFHW10X
F.N.23
(For SPZ)



DFSW10X
F.N.23
(For DSZ/NSW)

Model DFHW10X10/100 **Model DFSW10X10/100**
Focusing eyepiece 10x with 10:100mm scale

Model DFHW10X5/100 **Model DFSW10X5/100**
Focusing eyepiece 10x with 5:100mm scale

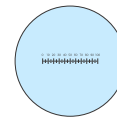
Model DFHW10XH10/20 **Model DFSW10XH10/20**
Focusing eyepiece 10x with 20x20 0.5mm squares

Model DFHW10XH10/10 **Model DFSW10XH10/10**
Focusing eyepiece 10x with 10x10 1mm squares

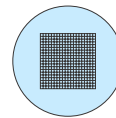
Model DFHW10XH5/5 **Model DFSW10XH5/5**
Focusing eyepiece 10x with 5x5 1mm squares

Model DFHW10XCROSS **Model DFSW10XCROSS**
Focusing eyepiece 10x with 10:100mm scale w/cross line

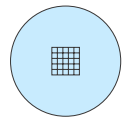
Model DFHW10XLINE **Model DFSW10XLINE**
Focusing eyepiece 10x with cross line



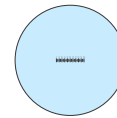
10:100mm scale



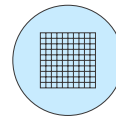
20x20 0.5mm squares



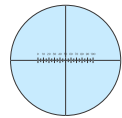
5x5 1mm squares



5:100mm scale



10x10 1mm squares



10:100mm scale with cross line

AUXILIARY OBJECTIVE LENSES



Model NSAL 0.5X
AUXILIARY OBJECTIVE LENS 0.5x
(not available for SPZ-50 / SPZT-50 / SPZV-50 with stand PFM / P)



Model NSAL 1.6X
AUXILIARY OBJECTIVE LENS 1.6x

Model NSAL 0.7X
AUXILIARY OBJECTIVE LENS 0.7x
* Available upon special order

Model NSAL 0.75X
AUXILIARY OBJECTIVE LENS 0.75x

Model NSAL 0.45X
AUXILIARY OBJECTIVE LENS 0.45x

Model NSAL 2X
AUXILIARY OBJECTIVE LENS 2x
(not available for DSZ / NSW series & others on remarks 1)

- * Remarks : 1)Auxiliary objective lenses are not available for stand type T and TL, and NSW-1P, NSW-2P, NSW-20P and NSW-620P.
2)Magnification decreases while working distance increases with 0.45x, 0.5x, 0.7x and 0.75x.
3)Magnification increases while working distance decreases with 1.6x and 2x.

Model NSCG49

COVER GLASS
(for protection of objectives)

Model NSCG49 / D

COVER GLASS
with screw threads on both sides



OPTICAL DATA FOR SPZ-50 / SPZT-50 / SPZV-50

Eyepiece	DHW10X (F.N.23)					DHW15X (F.N.15)					DHW20X (F.N.11.4)				
	Nil	W/0.5x	W/0.75x	W/1.6x	W/2x	Nil	W/0.5x	W/0.75x	W/1.6x	W/2x	Nil	W/0.5x	W/0.75x	W/1.6x	W/2x
Auxiliary Lens	Nil	W/0.5x	W/0.75x	W/1.6x	W/2x	Nil	W/0.5x	W/0.75x	W/1.6x	W/2x	Nil	W/0.5x	W/0.75x	W/1.6x	W/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	240mm	132mm	50mm	41mm	108mm	240mm	132mm	50mm	41mm	108mm	240mm	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	16-1.8mm	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/0.45x	W/0.5x	W/0.75x	W/1.6x	Nil	W/0.45x	W/0.5x	W/0.75x	W/1.6x	Nil	W/0.45x	W/0.5x	W/0.75x	W/1.6x
Auxiliary Lens	Nil	W/0.45x <td>W/0.5x</td> <td>W/0.75x</td> <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x</td> <td>W/0.75x</td> <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x</td> <td>W/0.75x</td> <td>W/1.6x</td> </td></td>	W/0.5x	W/0.75x	W/1.6x	Nil	W/0.45x <td>W/0.5x</td> <td>W/0.75x</td> <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x</td> <td>W/0.75x</td> <td>W/1.6x</td> </td>	W/0.5x	W/0.75x	W/1.6x	Nil	W/0.45x <td>W/0.5x</td> <td>W/0.75x</td> <td>W/1.6x</td>	W/0.5x	W/0.75x	W/1.6x
Magnifications	10x-44x	4.5x-19.8x	5x-22x	7.5x-33x	16x-70.4x	15x-66x	6.75x-29.7x	7.5x-33x	11.25x-49.5x	24x-105.6x	20x-88x	9x-39.6x	10x-44x	15x-66x	32x-140.8x
Working Distance	90mm	170mm	150mm	105mm	45mm	90mm	170mm	150mm	105mm	45mm	90mm	170mm	150mm	105mm	45mm
Field of view	23-5.2mm	51.1-11.6mm	46-10.4mm	30.6-6.9mm	14.3-3.2mm	15-3.4mm	33.3-7.5mm	30-6.8mm	20-49.5mm	9.3-2.1mm	11.4-2.5mm	25.3-5.7mm	22.8-5.1mm	15.2-3.45mm	7.1-1.6mm

OPTICAL DATA FOR DSZ-70 / DSZT-70

Eyepiece	DSW10XZ (F.N.20)					DSW15X (F.N.15)					DSW20X (F.N.11.4)				
	Nil	W/0.45x	W/0.5x	W/0.75x	W/1.6x	Nil	W/0.45x	W/0.5x	W/0.75x	W/1.6x	Nil	W/0.45x	W/0.5x	W/0.75x	W/1.6x
Auxiliary Lens	Nil	W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> </td></td></td></td></td></td></td></td>	W/0.5x <td>W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> </td></td></td></td></td></td></td>	W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> </td></td></td></td></td></td>	W/1.6x	Nil	W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> </td></td></td></td></td>	W/0.5x <td>W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> </td></td></td></td>	W/0.75x <td>W/1.6x</td> <td>Nil</td> <td>W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> </td></td></td>	W/1.6x	Nil	W/0.45x <td>W/0.5x <td>W/0.75x <td>W/1.6x</td> </td></td>	W/0.5x <td>W/0.75x <td>W/1.6x</td> </td>	W/0.75x <td>W/1.6x</td>	W/1.6x
Magnifications	20x-70x	9x-31.5x	10x-35x	15x-52.5x	32x-112x	30x-105x	13.5x-47.2x	15x-52.5x	22.5x-78.75x	48x-168x	40x-140x	18x-63x	20x-70x	30x-105x	64x-224x
Working Distance	80mm	125mm	120mm	85mm	41mm	80mm	125mm	120mm	85mm	41mm	80mm	125mm	120mm	85mm	41mm
Field of view	10-2.8mm	22.2-6.3mm	20-5.7mm	13.3-3.8mm	6.2-1.7mm	7.5-2.1mm	16.6-4.7mm	15-4.2mm	10-2.8mm	4.6-1.3mm	5.7-1.6mm	12.6-3.6mm	11.4-3.2mm	7.6-2.1mm	3.5-1.1mm