

18. Magnifying Glasses



Packaging Shrink package Box Vinyl package + header card Card No package
 Sleeve package Bag Clear package Vinyl package

Reading Glass



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75509	A-2 65 mm 2.5x	155×65×12	70	4 960910 755093	5	
75792	A-3 65 mm 3x	182×74×17	83	4 960910 757929		
75793	A-4 75 mm 2.5x	192×83×17	96	4 960910 757936		
75794	A-5 100 mm 2x	228×107×17	178	4 960910 757943		
75517	B-2 75 mm 2x	185×75×13	104	4 960910 755178		
75520	B-3 75 mm 2x and 4x Double Focus	185×85×18	56	4 960910 755208		
75521	B-4 100 mm 2x and 4x Double Focus	235×115×22	128	4 960910 755215		

Features

- Easy-to-hold
- High-quality glass is scratch resistant (Except 75520 and 75521)
- B-3, B-4 models have a lightweight bifocal lens that gives two or four times magnification (75520/75521)



Use

- For reading small letters on a newspaper or dictionary

Specifications

	75509	75517
Lens Diameter (mm)	φ65	φ75
Magnification	2.5x	2x
Material	Body (frame): Brass Body (handle): Vinyl chloride resin	

	75792	75793	75794	75520	75521
Lens Diameter (mm)	φ65	φ75	φ100	φ75	φ100
Magnification	3x	2.5x	2x	2x and 4x	2x and 4x
Material	Body (frame, handle): ABS resin				

- Focal Length = $\frac{\text{Visibility Distance (250 mm)}}{\text{Magnification} - 1}$
- Magnification = $\frac{\text{Visibility Distance (250 mm)}}{\text{Focal Length}} + 1$
- Accuracy Error of Magnification ±20% (not applicable for aspherical lens and power magnifier with 2 or more lenses)

Reading Glass with LED Light



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Pack. No. Unit	Package
75751	A-6 110 mm 2x and 4x	240×117×24	118	4 960910 757516	5	
75755	A-7 90 mm 2x and 4x	220×97×21	163	4 960910 757554		

Features

- Comes with bright LED light
- Easy-to-grip handle (75751)
- Comes with a hands-free stand (75755)



Use

- For reading small letters on a newspaper or dictionary

Specifications

	75751	75755
Lens Diameter (mm)	φ110	φ90
Magnification	2x and 4x	
Material	Body: ABS resin	
Power	2x AAA Alkaline batteries (included)	2x AA Alkaline batteries (included)

(Batteries included are for trial use only and may not last as long.)

Magnifier with Light for Reading



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Pack. No. Unit	Package
75761	E 50 mm 3x	151×55×31	101	4 960910 757615	5	
75762	F 65 mm 3x	175×68×31	109	4 960910 757622		
75708	E-3 28 mm 10x	180×53×48	95	4 960910 757080		

Features

- Light for easy reading even in the dark



Use

- For reading small letters on a newspaper or dictionary (75761/75762)
- For looking at stamps, jewelry, or inside clocks, etc. (75708)
- E-3
- How to use:
Put it directly on an object and look through by putting your eye close to the lens
- Scale on the bottom for measurement
- Two lenses are used
Inside lens: Plastic Outside Lens: Glass

Specifications

	75761	75762	75708
Lens Diameter (mm)	φ50	φ65	φ28
Magnification	3x		10x
Material	Body: ABS resin		
Power	2x AA batteries (included) <small>(Batteries included are for trial use only and may not last as long.)</small>		2x C batteries (not included)
Light Bulb	2.2V/0.25A		LED

Compact Reading Glass



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Pack. No. Unit	Package
75557	S-3 30 mm 3x	36×77×5	3	4 960910 755574	10	
75556	S-2 45 mm 3.5x	55×115×8	27	4 960910 755567		
75555	S-1 60 mm 2x	70×155×15	35	4 960910 755550		

Features

- Pocket-sized for easy carry

Use

- For reading small letters on a newspaper or dictionary

Specifications

	75557	75556	75555
Lens Diameter (mm)	φ30	φ45	φ60
Magnification	3x	3.5x	2x
Material	Body: Acrylic resin	Body: Polyethylene resin	Body: Polycarbonate resin

- Carpenter's Squares
- Stainless Steel Rules / Machine Scale
- Aluminum Rules
- Resin Folding Rules / Bamboo Rules
- Squares / Protractors
- Vernier Calipers / Micrometers
- Tape Measures
- Surveying Products
- Scales
- Levels
- Lasers / Optical Equipment
- Lines / Chalklines / Plumblines
- Circular Saw Guides
- Construction Tools
- Industrial Tools
- Thermometers / Hygrometers / Instruments
- Outdoor Products
- Magnifying Glasses
- Drawing Tools
- Magnets


Desk Magnifier



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75767	K 25 x 150 mm 2x	172x25x12	44	4 960910 757677	5	
75727	L-3 8x and 30x	φ17x120	16	4 960910 757271	5	
75529	M-1 60 mm 3.5x	78x78x55	118	4 960910 755291	5	

Features

- Convenient for reading data numbers with the center red guide line
- Comes with a convenient portable plastic case (75767)
- Combined unit of 8x telescopes and 30x microscopes (75727)
- Can also be used as a paper weight (75529)



Use

- For reading small letters on a newspaper or dictionary (75767/75529)
- For viewing scenery with a telescope, examining minerals or small specimens with a microscope, or for inspection of printed items (75727)

Specifications

	75767	75727	75529
Lens Diameter (mm)	25 x 150	φ11	φ60
Magnification	2x	8x and 30x	3.5x
Material	Body: Acrylic resin	Body: ABS resin, acrylic resin	

Pocket Magnifier



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75534	N-1 65 x 45 mm 2.5x	67x48x17	57	4 960910 755345	5	
75535	N-2 45 mm 3.5x	59x59x15	33	4 960910 755352	5	
75536	N-3 65 mm 2x and 4x Double Focus	86x70x15	33	4 960910 755369	5	

Features

- Convenient pocket size for carrying
- Case protecting lens
- N-3 has a bifocal lens (75536)

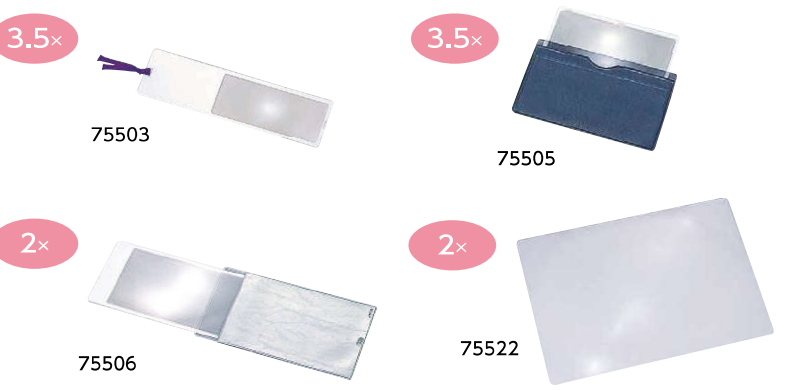
Use

- For reading small letters on a newspaper or dictionary

Specifications

	75534	75535	75536
Lens Diameter (mm)	65 x 45	φ45	φ65
Magnification	2.5x	3.5x	2x and 4x
Material	Case: Synthetic leather		

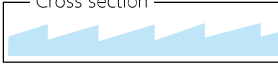
Sheet Magnifier



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75503	U-2 3.5x Bookmark Size	140x38	3	4 960910 755031	10	
75505	U-3 3.5x Card Size	85x55	3	4 960910 755055	10	
75506	U-4 2x Pocket Notebook Size	150x78	7	4 960910 755062	10	
75522	U-5 2x A4 Size	280x215	40	4 960910 755222	10	

Features

- Uses a Fresnel lens



Cross section

Fresnel lens allows thinness even with a large surface area

- Comes with a convenient, portable plastic case (75502/75505/75506)

Use

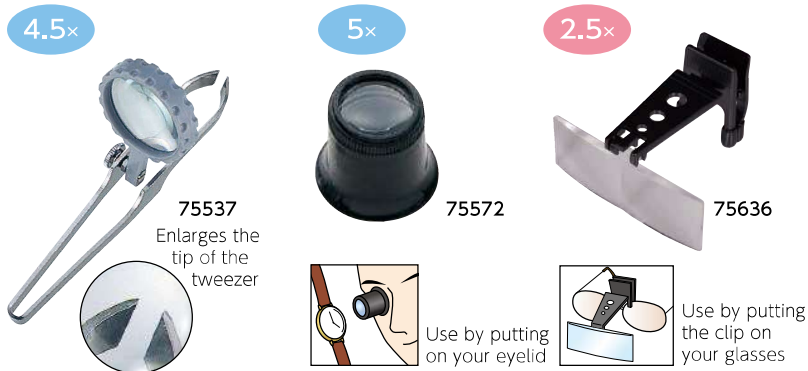
- For reading a book, map, or chart, etc.

Specifications

	75503	75505	75506	75522
Magnification	3.5x	3.5x	2x	2x
Material	Body: Vinyl chloride resin			

JIS JIS mark With red numbers cm/shaku (Upper side (or front) metric / Lower side (or back) shaku) With magnet Vial with luminous sheet Thermometer Double-sided tape Letters in Japanese With stopper Oil Glass lens With edge
 Japanese zodiac signs With battery shaku/cm (Upper side (or front) shaku / Lower side (or back) metric) With non-slip pad Thermometer/Hygrometer Hygrometer With hanging tool Letters in English With direction arrow With grid scale Plastic lens

Precision Work Magnifier



Features

- Helps to increase productivity when performing detailed work

Use

- For detailed work such as pulling a thorn out, maintaining bonsai, etc. (75537)
- For repair or inspection of precision parts (75572)
- For assembling work in personal hobby use (75636)

Specifications

	75537	75572	75636
Lens Diameter (mm)	φ30	φ23	28 × 74
Magnification	4.5x	5x	2.5x
Material	Body: Stainless steel, polyethylene resin	Body: Polystyrene resin	Body: ABS resin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75537	O-1 with Tweezer 30 mm 4.5x	110×36×13	27	4 960910 755376	5	
75572	T-3 Watchmaker's Loupe 23 mm 5x	φ36×32	7	4 960910 755727		
75636	X Attachment to Glasses 2.5x	65×74×26	18	4 960910 756366		

High Magnification Model



Features

- High magnification
- Compact size convenient for carrying

Use

- For inspection of jewelry and printing (75543/75564/75565)
- 75570 and 75571 have divisions of 0.1 mm and 0.2 mm respectively for detailed measurement
- As a key chain (75543)

Specifications

	75543	75564	75565
Lens Diameter (mm)	φ10	φ18	φ28
Magnification	15x		10x
Material	Body: Brass Hood: Acrylic resin	Body: Aluminum, vinyl chloride resin	

	75570	75571
Lens Diameter (mm)	φ20	φ28
Magnification	15x	10x
Material	Body: ABS resin, acrylic resin	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75543	Q 10 mm 15x	φ15×35	10	4 960910 755437	10	
75564	R-1 18 mm 15x	27×85×20	28	4 960910 755642	5	
75565	R-2 28 mm 10x	33×102×20	36	4 960910 755659	1	
75570	T-1 20 mm 15x	φ34×26	14	4 960910 755703	5	
75571	T-2 28 mm 10x	φ34×41	19	4 960910 755710		

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Folding Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Milling / Drilling / Punchholders
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Humidity Measuring
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Stowed High Magnification Model



Features

- Small, portable, fold-away style with high magnification
- Can increase its magnification by using multiple lenses
75531...7X with two lenses, 10.5X with three lenses
75766...7X with 3X + 4X, 8X with 3X + 5X, 9X with 4X + 5X, 12X with three lenses

Use

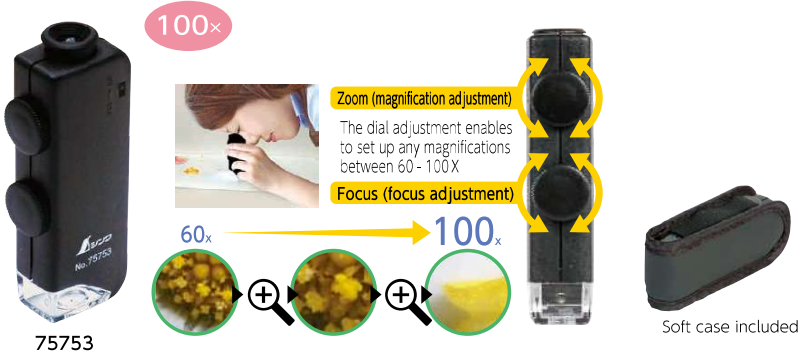
- For high-magnification work such as jewelry inspection, or observation, drafting, etc.

Specifications

	75523	75531	75765	75766
Lens Diameter (mm)	φ7/φ13	φ23	φ19	
Magnification	10x/20x	3.5x	10x	3x/4x/5x
Material	Body: Brass	Body: ABS resin	Body: Iron, zinc	Body: Iron, aluminum

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75523	C Double Lens 10x/20x	58x23x16	30		5	
75531	D Triplet Lens 3.5x	59x28x15	16		5	
75765	I 10x with Chain	44x27x16	46		5	
75766	J 3x/4x/5x with Chain	44x27x16	47		5	

Pocket Microscope



Features

- Pocket-sized microscope with LED light

Use

- For observation outdoors or inspection of printing, etc.

Specifications

Magnification	60 - 100x (tolerance 20%)
Light	White LED
Luminous Intensity	12,900 mcd
Material	Body: ABS resin Lens: Acrylic resin
Power Source	3x Alkaline batteries LR1130 (included) (Batteries included are for trial use only and may not last as long)

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75753	H 60x - 100x with LED Light	83x33x20	31		5	

Stand Magnifier



Features

- Stand model frees up both hands

Use

- For measuring small objects with 25 mm graduation (75763)
- For working on a desk with the adjustable angle lens (75539)

Specifications

	75763	75539
Lens Diameter (mm)	φ25	φ65
Magnification	6x	3x
Material	Body: Aluminum	Body: Brass Base: Cast metal

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75763	G 25 mm 6x	51x38x50	43		5	
75539	P-1 65 mm 3x	166x54x60	384		2	

JIS JIS mark With red numbers cm/shaku (Upper side for Front metric / Lower side for Back shaku) With magnet Vial with luminous sheet Thermometer Double-sided tape Letters in Japanese With stopper Oil Glass lens With edge
 Japanese zodiac signs With battery shaku/cm (Upper side for Front shaku / Lower side for Back metric) With non-slip pad Thermometer/Hygrometer Hygrometer Vial hanging to Letters in English With direction arrow With grid scale Plastic lens