CS-FL-ZM20: ZnSe Co2 Laser Focus Lens Dia. 20mm FL 38.1mm / 50.8mm / 63.5mm / 76.2mm / 101.6mm / 127mm

CS-FL-ZM19: ZnSe Co2 Laser Focus Lens Dia. 19.05mm FL 38.1mm / 50.8mm / 63.5mm / 76.2mm / 101.6mm / 127mm

CS-FL-ZM12: ZnSe Co2 Laser Focus Lens Dia. 12mm FL 18.6mm



<mark>Overv</mark>	<mark>iew</mark>	Specifications	Packing list	Warranty
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Features

ZnSe lens for CO2 laser engraving and cutting!

Up for your bid is a high quality NEW ZnSe Plano - convex lens. The lens is 0.8" (20mm) / 0.75" (19.05mm) / 0.47" (12mm) in diameter, and has six kinds of focal lengths of 1.5" (38.1mm) / 2" (50.8mm) / 2.5" (63.5mm) / 3" (76.2mm) / 4" (101.6mm) / 5" (127mm) . It is coated for CO2 lasers at 10.6um wavelength. This would be a great lens for a CO2 engraver or laser cutter, to focus the beam into a tight spot. This lens is NEW in the original FACTORY BOX and is untouched. You get an unopened box.

Note: Please tell us the parts no. when you make an order.

Widely used in the following brands engraver:



Details



Instruction



Focusing Lens



Laser Exit Hole







Usage

How to adjust the focal length

Put a piece of harder paper under the laser head, adjust the height between the laser head and the paper by the focal length ruler, and then press the 'Laser' button on the panel to make marks. Compare the sizes of the marks made in different height and find the minimum sized mark, and then the appropriate height can be determined as the focal length of the machine.

The following pictures shows an example. You may see that the mark made in the height of 8mm is the minimal. Then we know the focal length is 8mm. In the future, materials with different thickness should be cut in the height of 8mm.



Remove and wash the focusing lens

Put the tools like circlip pliers or steel rule on the notch of the compression nut, and turn the circlip pliers or steel rule to remove the compression nut and the focusing lens.



Maintenance for the Lens

Take a piece of clean cotton swab, dip it in the alcohol solution, and softly wipe the 3 pieces of reflectors and 1 piece of focusing lens. It should use industrial alcohol, or ethanol, instead of medical alcohol because it contains too much water. (Do not wipe the lens too hard, otherwise the layer of membrane on the surface of the lens will be damaged and thus influence the reflecting effect.) As for reflector, the reflecting surface is necessary to be cleaned; as for focusing lens, both sides should be cleaned. After cleaning, use a piece of clean cotton swab to wipe out the remaining alcohol on the surface.



Overview	Specificatio	ons	Pack	ing list	Warrant	у	
CS-FL-ZM20							
Part No.	Material	Dia	meter	E	FL	E.T.	Coating
CS-FL-ZM203812	ZnSe	20	mm	1.5" (3	88.1mm)	2mm	AR @ 10.6um
CS-FL-ZM205082	ZnSe	20	mm	2" (5).8mm)	2mm	AR @ 10.6um
CS-FL-ZM206352	ZnSe	20	mm	2.5" (6	53.5mm)	2mm	AR @ 10.6um
CS-FL-ZM207622	ZnSe	20	mm	3" (7	6.2mm)	2mm	AR @ 10.6um
CS-FL-ZM201012	ZnSe	20	mm	4" (10	1.6mm)	2mm	AR @ 10.6um
CS-FL-ZM201272	ZnSe	20mm		5" (12	7.0mm)	2mm	AR @ 10.6um

Note: Please tell us the parts no. when you make an order.

CS-FL-ZM19

Part No.	Material	Diameter	EFL	E.T.	Coating
CS-FL-ZM193812	ZnSe	19.05mm	1.5" (38.1mm)	2mm	AR @ 10.6um
CS-FL-ZM195082	ZnSe	19.05mm	2" (50.8mm)	2mm	AR @ 10.6um
CS-FL-ZM196352	ZnSe	19.05mm	2.5" (63.5mm)	2mm	AR @ 10.6um
CS-FL-ZM197622	ZnSe	19.05mm	3" (76.2mm)	2mm	AR @ 10.6um
CS-FL-ZM191012	ZnSe	19.05mm	4" (101.6mm)	2mm	AR @ 10.6um
CS-FL-ZM191272	ZnSe	19.05mm	5" (127.0mm)	2mm	AR @ 10.6um

Note: Please tell us the parts no. when you make an order.

CS-FL-ZM12

Part No.	Material	Diameter	EFL	E.T.	Coating
CS-FL-ZM121862	ZnSe	12mm	0.7" (18.6mm)	2mm	AR @ 10.6um

Note: Please tell us the parts no. when you make an order.

Terms & Condition of Purchase: After we receive PO from customer with stamp, we give PI for customer.

Lead Time: After receiving customer's deposit, within 1 - 3 days.

Wooden Box: There is total one glass box.

Product dimension

Product Dimension	Diameter: 0.8" (20mm) / 0.75" (19.05mm) / 0.47" (12mm)			
Machine Weight	0.1kg / pc			
Package	Glass box			
Packing Size	55mm x 55mm x 10mm (2.2" x 2.2" x 0.4")			
Gross Weight	0.2kg			

Packing List: One pc of lens



Overview	Specifications	Packing list	<mark>Warranty</mark>	

Comprehensive guarantee for one year except the wearing parts

24 - hour technical support by email or calling

User - friendly English manual for machine using and maintaining

Spare Parts Supports

We provide all replacement parts for all machines we sold, if you have a parts that break beyond warranty period, you could order it directly from us at reasonable prices. We would post the new parts with step by step instructions in PDF format on how to replace the parts to you.

If you want to buy any parts from us, please tell us the names or pictures of the parts.

Satisfaction Guarantee

For the items other than consumable products sold via www.Sign-in-China.com, we provide 12 months warranty after shipment. All the extra parts for equipment can be purchased from www.Sign-in-China.com. Further, for our VIP customers, the period of warranty shall be extended to 18 months.

We offer 14 days 100% satisfaction guarantee on all our machines. If you are not satisfied after receiving an item, Sign-in-China.com promises that, within 14 days after actual delivery of such an item, you are allowed to return the item to us and get complete refund, provided the returned item does not affect its subsequent re - selling and you also undertake the charge of returning delivery.

More information, please look at the document of Training & Warranty & Service Policies.