



PREF Group

CATALOGUE OF LASER PRODUCTS

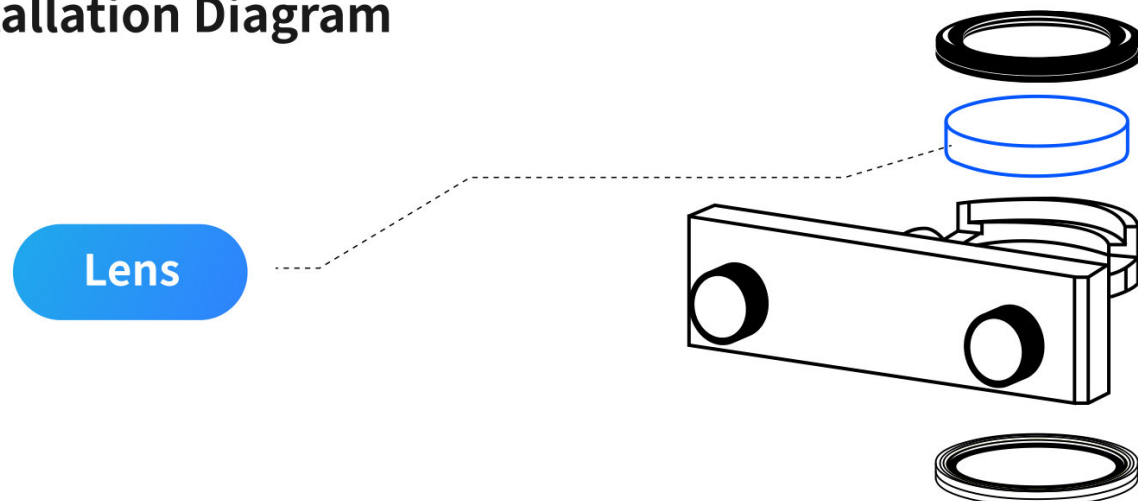
CATALOGUE OF LASER PRODUCTS



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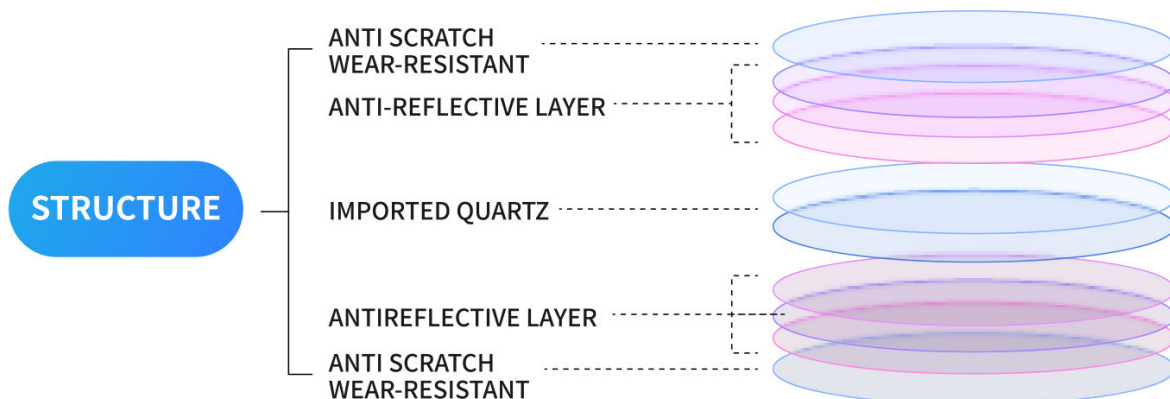
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Installation Diagram



Structure Diagram

Diamond film ion-bombardment sealed coating



Imported quartz with double-layer coating for high transmittance

High temperature and high pressure resistance, excellent optical performance;
Anti scratch and enhanced transparency, with longer service life

10/20 Series		30 Series		40 Series	50 Series	>60 Series
Diameter*Thickness						
10*1	24.7*2	30*1	35*4	40*1.5	50*1.5	60*3
18*2	24.9*1.5	30*1.5	35*5	40*2	50*2	60.05*14.4
19.05*1.5	25*1	30*2	35.5*5	40*2.5	50*3	62*9.5
20*1.5	25*1.5	30*3	36*2	40*3	50*3.3	96*3
20*2	25*2	30*4	36*3	40*5	50*4	113*3
20*3	25*3	30*5	36*5	40*7	50*5	134*3
20*4	25*4	30*5	37*1.6	40*8	50*8	140*4
21.5*2	25.4*3	32*2	37*3.5	40*9	50.8*1	145*3
21.8*1.8	25.4*4Y	32*3	37*5	42*3	50.8*9.5	
22*1.7	25.4*5	32*4	37*7	42*4	52*2	
22*2	26*4	32*5	38*1.5	42*7	55*1.5	
22.35*3.18	26.5*5	32*6.35	38*2	42*9	55*9	
22.25*4	26.8*2	33.8*3	38*3	45*1.5		
22.35*4.1	27*4	34*2	38*5	45*3		
22.4*4.1	27.9*4.1	34*3	38*6.35	46*2		
24*5	28*2	34*5	38*6.5	48*3		
24.4*2	29.7*4.7	35*1.5	38*10			
			38.1*1.6			
			38.1*2			
			38.1*9.35			

Unit:mm

Product parameters

Name: Laser protective lens

Thickness: 1-9mm

Finish: 40-20

Transmittance: >99.95%

Focusing difference: ± 0.1 mm

Coatingfilm:AR/AR@1030-1090nm(T>99.9%@960-1080nm)

Material: quartz

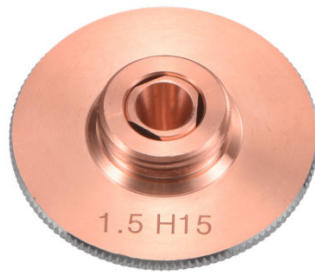
Angle: ± 0.3

Public errand: ± 0.08 mm

Diameter: 10-90mm



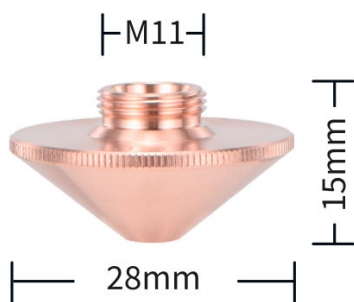
Single



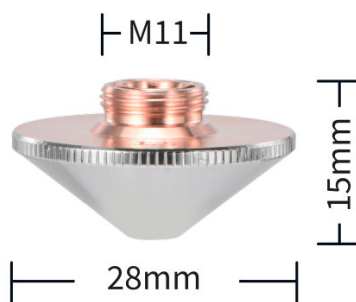
Double



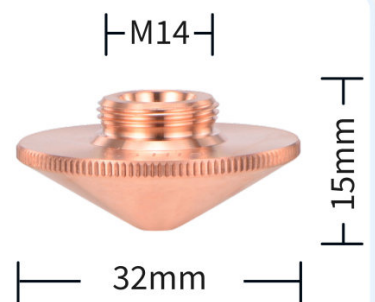
High Speed



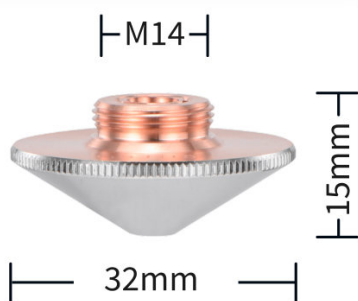
D28 Single Layer



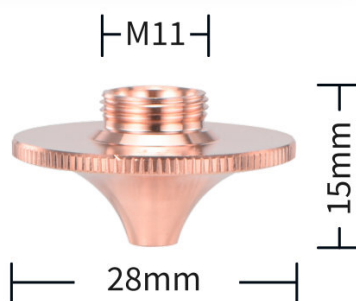
D28 Double Layer



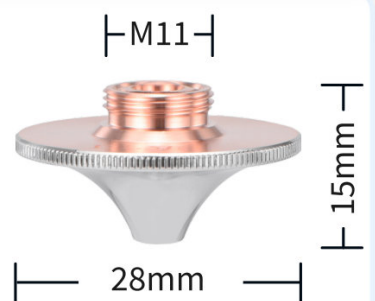
D32 Single Layer



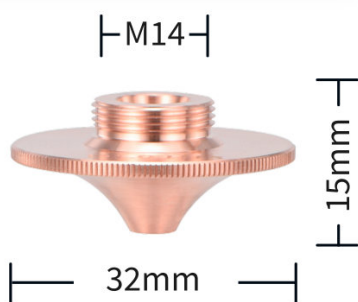
D32 Double Layer



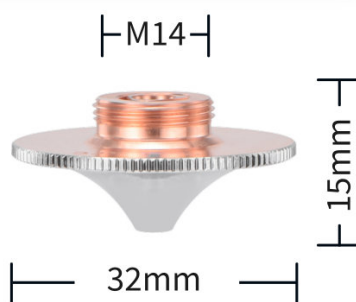
**D28 High Speed
Single Layer**



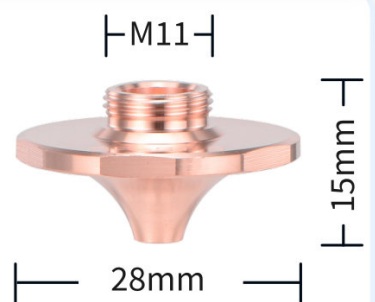
**D28 High Speed
Double Layer**



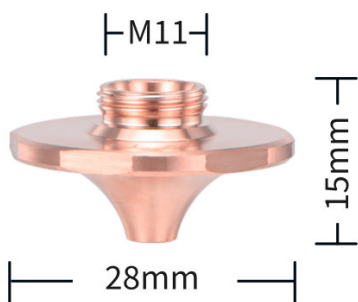
**D32 High Speed
Single Layer**



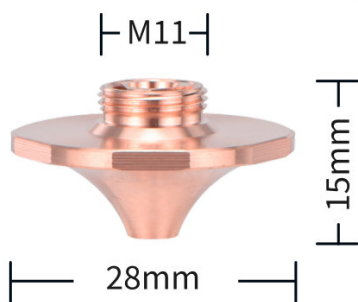
**D32 High Speed
Double Layer**



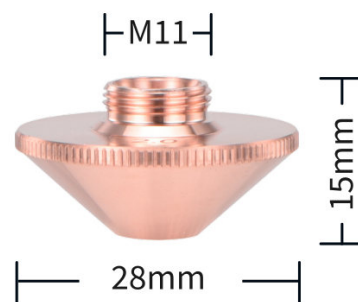
SP-S Step



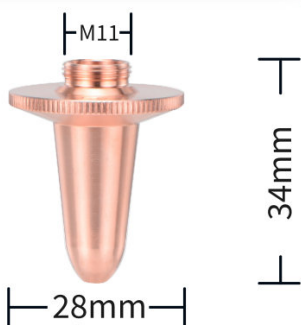
Hans Single Layer



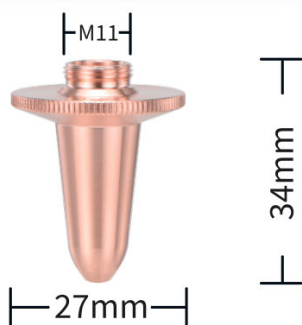
Hans Double Layer



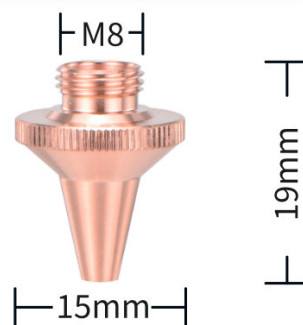
D28 Booster



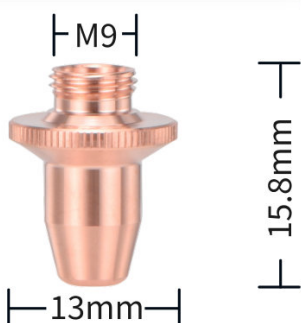
**BOCI H34
Single Layer**



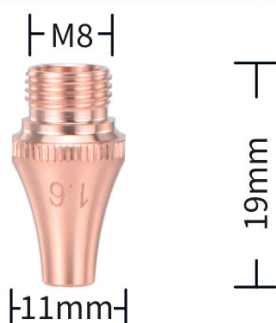
**BOCI H34
Double Layer**



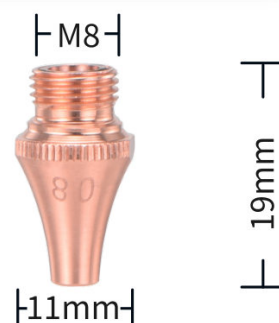
**3D M8
Single Layer**



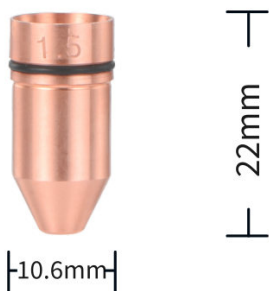
**3D M9
Single Layer**



**BOCI 3D
Single Layer**



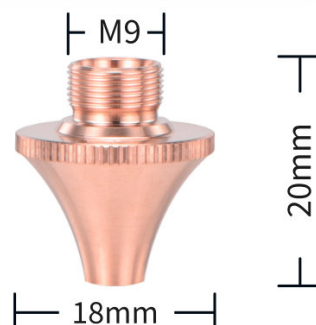
**BOCI 3D
Double Layer**



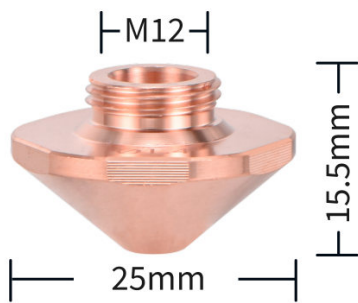
**Bullet
Single Layer**



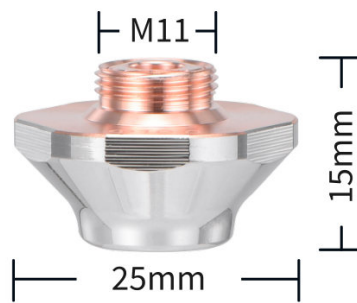
**Bullet
Double Layer**



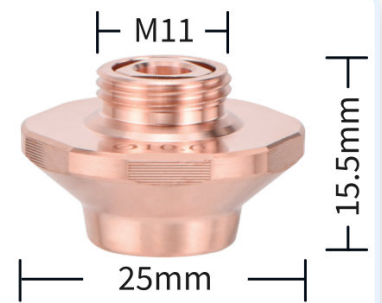
**EC 3D M9
Single Layer**



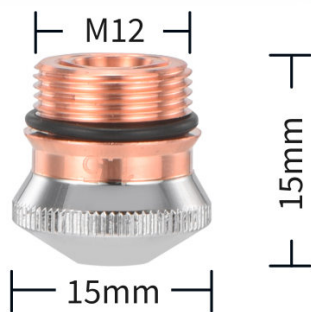
Trumpf EAA



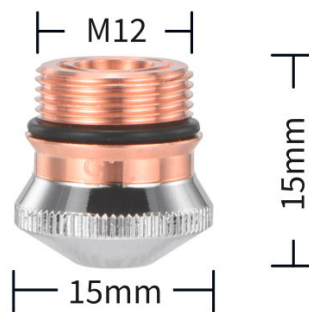
Trumpf ECU



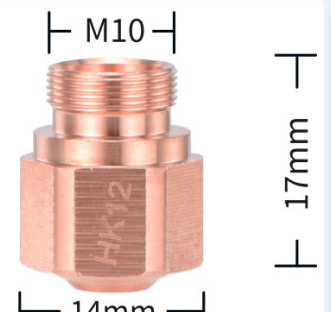
Trumpf EAU



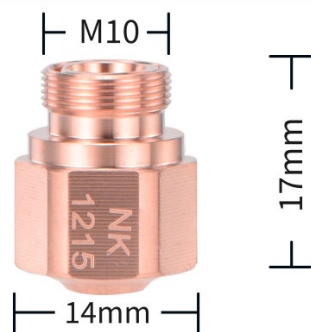
**DNE Small
Single Layer**



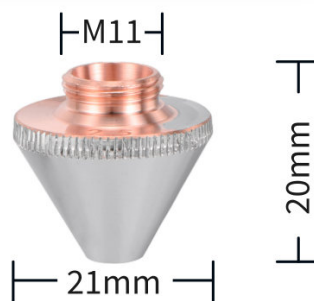
**DNE Small
Double Layer**



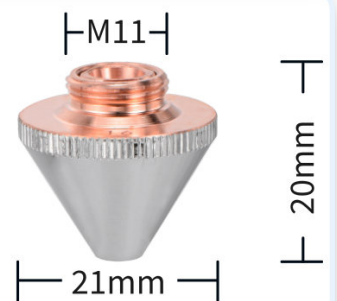
**Bystronic HK
Single Layer**



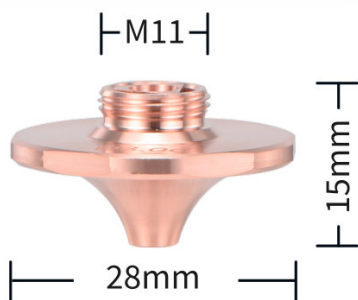
**Bystronic HK
Double Layer**



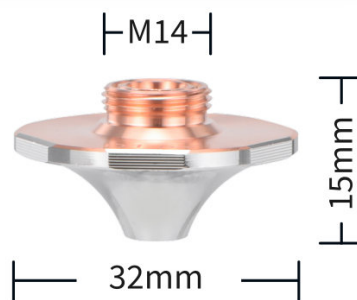
**Hans D21
Single Layer**



**Hans D21
Double Layer**



**Hans DC
Double Layer**



**Hans DX
Double Layer**

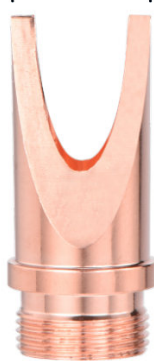
**Inquire
For
More**



| M10 |

**Qilin
Cutting Nozzle**

| 10mm |



| M10 |

**Qilin
Short A**



**Qilin
Short B**

| 10mm |



| M10 |

**Qilin
Short C**



| M10 |

**Qilin
Short D**

| 9mm |



| M10 |

**Qilin
Short E**

| 10mm |



| M10 |

**Qilin
Long A**

| 9mm |



| M10 |

**Qilin
Long C**

| 9mm |



| M10 |

**Qilin
Long D**



**SUP
Cutting**



— M16 —
**SUP
AS**



35mm



— M16 —
**SUP
BS**



35mm



— M16 —
**SUP
CS**



38mm



— M16 —
**SUP
ES**



38mm



— M16 —
**SUP
AS-20D**

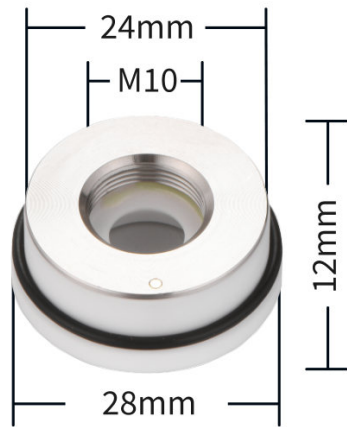


35mm

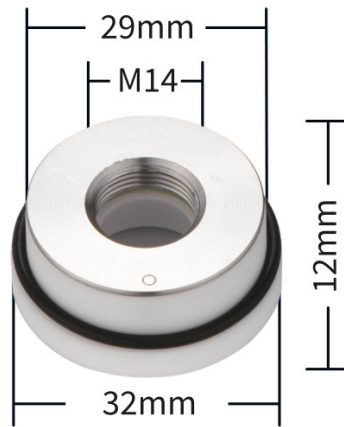


**SUP
Wire Feeder Nozzle**

**Inquire
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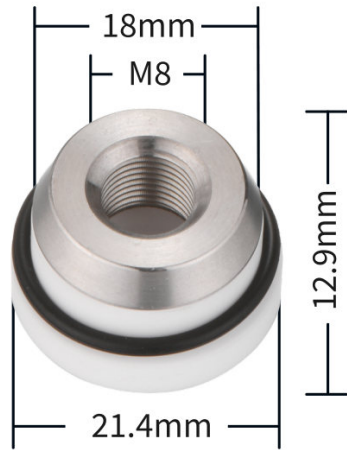
D28



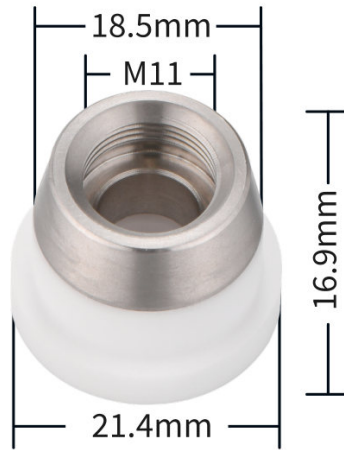
D32



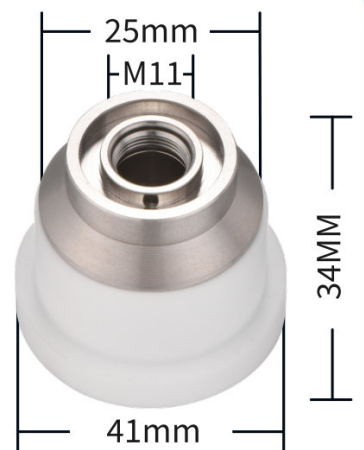
**D19.5
M8**



**D21.4
M8**



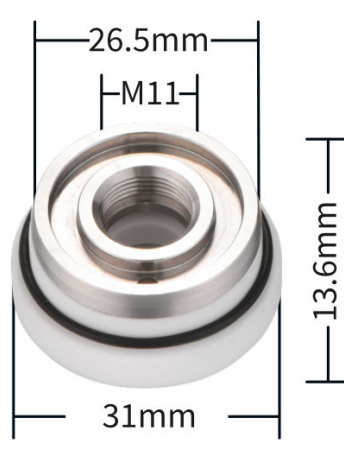
**D21.4
M11**



**BOCI
D41**



**BOCI
D20**



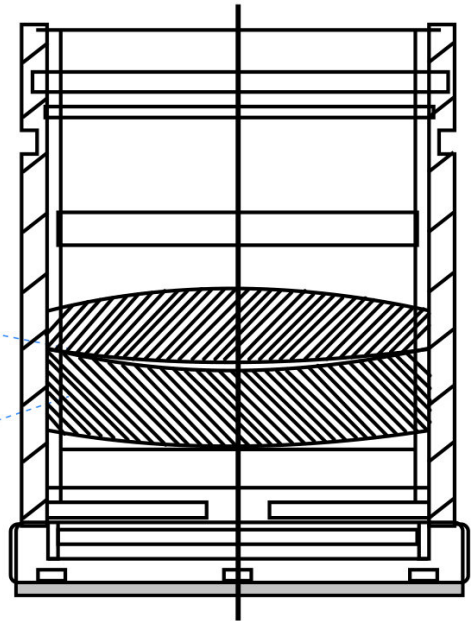
**WSX
D31**

**Inquire
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More**

Structure of the focusing lens

Biconvex lens

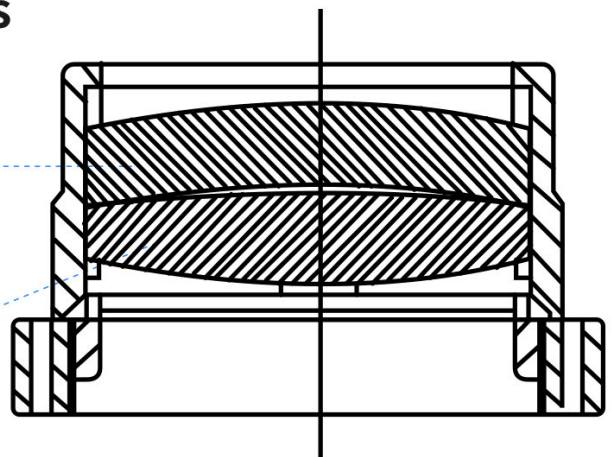
Convex concave lens



Structure of the collimating lens

Convex concave lens

Biconvex lens



High transmittance, strong matching, strong coating, firm resistance to high temperature and laser resistance

Fast cutting speed, uniform texture, high mechanical strength, and longer precision processing life

Material	Diameter	Focusing
Single piece		
Quartz	φ20	F40 50 60/63 80 100 120 150 180 200
	φ24	F120
	φ25.4	F75 100 125 150 200
	φ24.5	F5060/63 120 (high power)
	φ28	F60/63 100 125 150 200 250
	φ28	F75100 120 (high power)
	φ30	F40 50 60/63 75 80 100 120 125 150 200
	φ34	F120 125 150 200
	φ36	F80 100 120 150 200 250
	φ38.1	F100 120 125 150 200 250 300
	φ41.5	F80 100 120 125 150
	φ42	F80 100 120 150 180 200
	φ50	F80 120 150 200

Material	Diameter	Focusing
Compound		
Quartz	φ25	F55
	φ28	F75 100 150
	φ30	F75 100 125 150 180 200
	φ37	F100 125 150 190 200
	φ38.1	F100 150 200
	φ50	F120

Product parameters

Diameter: 20-55mm

Thickness: 1-9mm

Wavelength: 1064nm

Transmittance: 99.5%

Depth of parallelism<1

Material: Quartz

Surface quality: 40/20

Diameter tolerance: 0.1mm

Thickness tolerance: ±0.1mm

Optical aperture <80%



Raytools
for BM110



Raytools
for BM109



Raytools
for BT210



Raytools
for BT240



Raytools
for BM115



WSX
for NC30



WSX
for NC60



Precitec
for Lightcutter



Precitec
for D37-F200



Raytools
bm109



Raytools
bm110/111



Raytools
bm114/bm114s



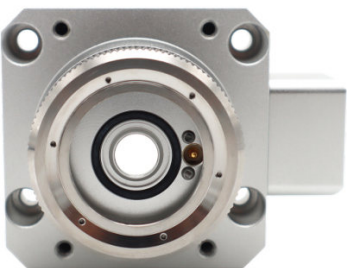
Raytools
bm115



Raytools
bt210/bt220/bm112-3d



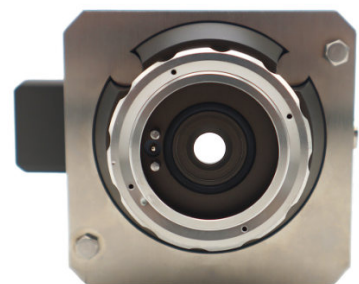
Raytools
bt210s



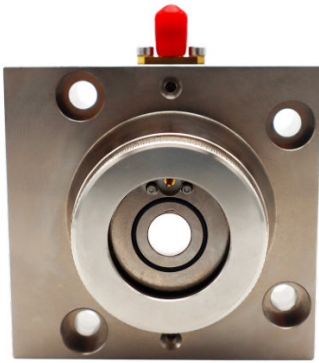
Raytools
bm220



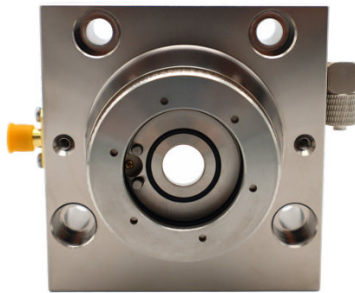
Raytools
bt240s/bm111-3d



Raytools
bm240s



WSX
kc13/kc15



WSX
nc30



WSX
nc60/nc62



WSX
sw15-3d



Precitec
Lightcutter



Precitec
Procutter-cm2

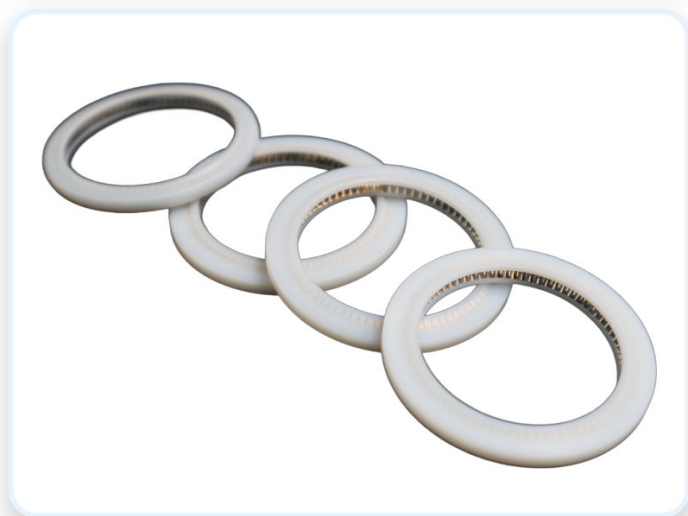


Precitec
Procutter



Precitec
Procutter 2.0

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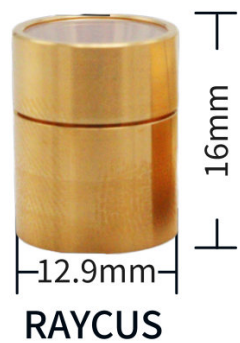
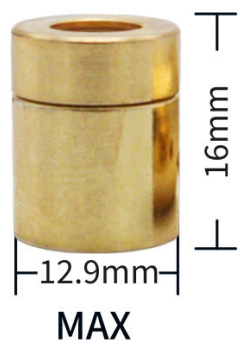
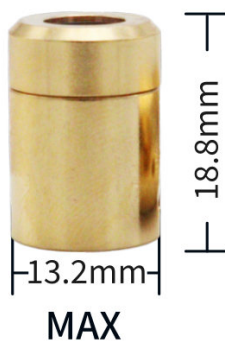
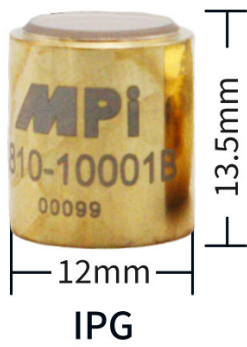
Fiber Laser Sealing Ring

Sealing Ring for Raytools, Wax and Peicitec fiber laser cutting head

Product Feature:

1. High purity and transparent PTFE, the material is wear-resistant.
00RPB6ERA151
2. The spring is made of ultra-thin, high hardness, good flexibility, and high yield strength stainless steel.
3. The surface is smooth and the friction is small, the spring elasticity appropriate, and here will be no problems such as large extraction resistance and poor sealing effect.

Number	Sealing Ring Size	Application
1	Φ32.2x24x3.6x2.7	For Raytools 27.9*4.1 Protective Windows,Such as BT210、 BT240、 BM109、 BM110、 BM111、 Focusing Protective Windows
2	Φ29.4x20x3.8x2.5	For Raytools 24.9*1.5 Protective Windows,Such as BT210、 BT240、 BM109、 BM110、 BM111 Collimating Protective Windows
3	Φ42.5x34x3.4x2.5	For Raytools 37*7 Protective Windows
4	Φ41.5x34x3.4x2.5	For BODOR 37*7 Protective Windows
5	Φ26.6x18x3.7x2.8	For WSx 22.35*4.1 Protective Windows,Such as KC13、 KC15、 NC30、 SW20 Collimating Protective Windows
6	Φ25.6x19x3.4x2.5	For WSX 25.4*4 Protective Windows,Such as NC12、 MN15SW15 Focusing Protective Windows
7	Φ29.8x23x3x2	For WSX 30*5 Protective Windows,Such as KC13、 KC15、 NC30、 SW20、 001 Focusing Protective Windows
8	Φ37.5x30x2.7x1.9	For WSX 37*7 Protective Windows
9	Φ40.3x34x2.7x2(Yellow)	For Precitec 37*7 Protective Lens,Such as Precitec Procutter Focusing Protective Windows
10	Φ31.5x25x3x2(Yellow)	For OSPRI 30*5 Focusing Protective Windows and Precitec Lightcutter30*5 Protective Windows
11	Φ32x25x3x2	For ACEMIT 29.7*4.7 Focusing Protective Windows
12	Φ54.5x47x2.8(Yellow)	For Precitec Procutter D37 Focusing Lens
13	Φ55.6x48.5x2.8(Yellow)	For Precitec Procutter D37 Focusing Lens



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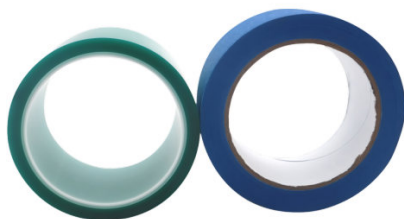
Protective glasses



Remote control



QBH



Masking tape



Amplifier



Lens removal tool



Sensor cable



Locked ring



Dust-free cloth



Swab



CATALOGUE OF LASER PRODUCTS

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