


Cloudray

RECI YONGLI  
 Tongli HIWIN EFR  
 II-VI Leadshine LASERPWR  
 Trocen S&A PMI Leetro  
 JFLO HAILEA RECI Raycus Meanwell  
 Maxphotronics SmartRayc S&A  
 Raytools Leetro IPG  
 SYNRAD EZCAD Friendless  
 SINO-GALVO MHX Rofin  
 Leadshine  **CLOUDRAY** Ruida  
 Raycus INDUSTRIAL SOLUTIONS Meanwell  
 Focusing Lens Protective Windows  
 RECI Laser Tube Air Compressor Ceramic  
 Power Supply Mechanical Parts  
 Controller Laser Optics Fan F-theta Lens Chiller Nozzles Galvo Head CO2 Laser  
 Stepper Motor F-theta Lens Mirrors Driver Cable Chain Fiber Laser  
 Timing Belt  
 Goggles

Cloudray

# Catalogue

## Fiber Cutting




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# 1. Fibre Laser Source


## 1.1. MAX Single Module MFSC Fiber Laser

	SKU	Model	Average Output Power	Wavelength	Mode
	FLS01MFS500W	MFSC-500	500W	1080±5nm	CW/Modulate
	FLS01MFS800W	MFSC-800	800W		
	FLS01MFS1500W	MFSC-1500	1500W		
	FLS01MFS2000W	MFSC-2000	2000W		
	FLS01MFS3000W	MFSC-3000	3000W		
	FLS01MFS4000W	MFSC-4000	4000W		
	FLS01MFS1000W	MFSC-1000	1000W	1080±5nm	CW/Modulate
	FLS01MFS3000W	MFSC-3000	3000W	/	/
	FLS01MFS4000W	MFSC-4000	4000W		

## 1.2 Raycus Single Module CW Fiber Laser




	SKU	Model	Average Output Power	Wavelength	Mode
	FLS01RC500	RFL-C500	500W	1080±5nm	CW/Modulate
	FLS01RC750	RFL-C750	750W		
	FLS01RC1000	RFL-C1000	1000W		
	FLS01RC1500	RFL-C1500S	1500W		
	FLS01RC2000	RFL-C2000S	2000W		
	FLS01RCRFLC3300	RFL-C3300	3300W	1080±5nm	CW/Modulate
	FLS01RCRFLC4000	RFL-C4000	4000W	1080±5nm	CW/Modulate
	FLS01RCRFLC6000	RFL-C6000	6000W	1080±5nm	CW/Modulate

## 1.3 JPT Fiber Laser





	SKU	Model
	FLS01JPTCW1000	CW1000
	FLS01JPTCW1500	CW1500
	FLS01JPTCW2000	CW2000

## 1.4 Fiber laser accessories

### 1.4.1 Output Protective Connector

	Model	SKU	Power	Height	diameter	Suitable for
				mm	mm	
	Raycus	FL214PRAY40	0-4kW	16	12.5	For Raycus Fiber Laser Source 0-4kW
	MAX	FL214PMAX15	0-1.5kW	19.5	11.5	For Max Fiber Laser Source 0-1.5kW
		FL214PMAX60	2-6kW	16	13	For Max Fiber Laser Source 2-6kW

## 2. Fiber Cutting Controller

	SKU	Name	Model
	LC04BMCL1604V2	Control Card	BMCL1604V2
	LC04BCL3766	External IO Board	BCL3766
	LC04FSCGPA	Pre-amplifier	Pre-amplifier (Universal)
	LC04BBCS100	BCS100 Live Focus System	Live Focus System+Pre-amplifier


	SKU	Name	Model
	LC04FSCUT2000C	FSCUT2000C	BMCL1604V2 + BCL3766+ FSCUT2000C-WKB+Preamplifier
	LC04FSCUT3000S	FSCUT3000S	BMC1805 + BCL3766+ FSCUT3000S+Preamplifier
	LC04FSCUT4000	FSCUT4000	BMC1214+ BCL3724+ FSCUT4000+Preamplifier
	LC04FSCUT1000	FSCUT1000A	BMC1603+BCL4562+Preamplifier



### 3. Fiber Laser Head



#### 3.1 Fiber Cutting Head

Raytools	SKU	Model	Power Rating	Clear Aperture	Assist Gas Pressure
	LH04RBT210S	Raytools BT210S	≤1.5kW	25mm	≤25 bar
	LH04RBT240S	Raytools BT240S	≤2KW	28mm	≤25 bar
	LH04RBT240SJP	BT240S (F200)	3kW	-	-
	LH04BM109	Raytools BM109	≤1.5KW	26mm	≤25 bar
	LH04BM114	Raytools BM114	≤6KW	35mm	≤30 bar
	LH04BM114B	Raytools BM114S	≤6KW	35mm	≤30 bar

	SKU	Focal Length	Power Rating	Clear Aperture	Assist Gas Pressure
Raytools BM111 	LH04RBM111	155mm	≤3.3KW	28mm	≤30 bar
	LH04RBM111B	200mm	≤3.3KW	28mm	≤30 bar
	LH04RBM111C	125mm	≤3.3KW	28mm	≤30 bar

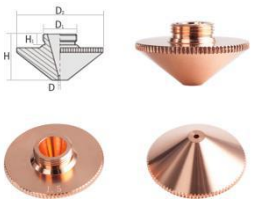
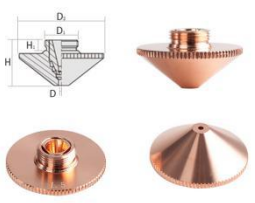
WSX	SKU	Model	Power Rating	Clear Aperture	Assist Gas Pressure
	LH04WSXKC13	WSX KC13	≤2000W	25mm	≤25 bar
	LH04WSXNC12	WSX NC12	≤1000W	20mm	≤25 bar
	LH04WSXNC30B	WSX NC30B	≤3000W	25mm	≤25 bar
	LH04WSXNC60	WSX NC60	≤6000W	32mm	≤25 bar
	LH04WSXNC30	WSX NC30	≤3000W	25mm	≤25 bar
	LH04WSXMN15S	WSX MN15S	≤1000W	20mm	≤25 bar

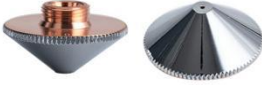
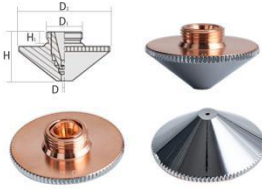
### 3.2 Fiber Welding Head

	SKU	Model	Max Power	Collimating Lens	Focusing Length	Weight
	LH04WSXND12	WSX ND12	1000W	100mm/150mm	150mm/200mm	2.3kg
	LH04WSXND18	WSX ND18	1500W	50mm	80mm/120mm	1.36kg


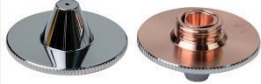
## 4. Laser Nozzles

### 4.1 Precitec


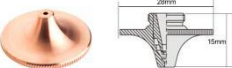
Model		SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
			mm	mm	mm		
<b>Type A</b>	<p>Single Layer</p> 	LN03D28H15S08HD	28	15	0.8	M11	P0591-570-00008
		LN03D28H15S10HD	28	15	1.0	M11	P0591-571-00010
		LN03D28H15S12HD	28	15	1.2	M11	P0591-572-00012
		LN03D28H15S14HD	28	15	1.4	M11	O
		LN03D28H15S15HD	28	15	1.5	M11	P0591-573-00015
		LN03D28H15S18HD	28	15	1.8	M11	P0591-574-00018
		LN03D28H15S20HD	28	15	2.0	M11	P0591-575-00020
		LN03D28H15S25HD	28	15	2.5	M11	P0591-576-00025
		LN03D28H15S30HD	28	15	3.0	M11	O
		LN03D28H15S35HD	28	15	3.5	M11	O
		LN03D28H15S40HD	28	15	4.0	M11	O
		LN03D28H15S45HD	28	15	4.5	M11	O
		LN03D28H15S50HD	28	15	5.0	M11	O
		LN03D28H15S60HD	28	15	6.0	M11	O
	<p>Double Layers</p> 	LN03D28H15D08	28	15	0.8	M11	P0591-002-00008
		LN03D28H15D10	28	15	1.0	M11	P0591-002-00010
		LN03D28H15D12	28	15	1.2	M11	P0591-002-00012
		LN03D28H15D14	28	15	1.4	M11	P0591-002-00014
		LN03D28H15D15	28	15	1.5	M11	P0591-002-00015
		LN03D28H15D18	28	15	1.8	M11	P0591-002-00018
		LN03D28H15D20	28	15	2.0	M11	P0591-002-00020
		LN03D28H15D25	28	15	2.5	M11	P0591-002-00025
		LN03D28H15D30	28	15	3.0	M11	P0591-002-00030
		LN03D28H15D35	28	15	3.5	M11	P0591-002-00035
		LN03D28H15D40	28	15	4.0	M11	P0591-002-00040
		LN03D28H15D45	28	15	4.5	M11	O
LN03D28H15D50	28	15	5.0	M11	P0591-002-00050		
LN03D28H15D60	28	15	6.0	M11	O		



Model		SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
			mm	mm	mm		
<b>Type A</b>	Chrome-plating Single Layer 	LN03D28H15SCP08	28	15	0.8	M11	O
		LN03D28H15SCP10	28	15	1.0	M11	O
		LN03D28H15SCP12	28	15	1.2	M11	O
		LN03D28H15SCP14	28	15	1.4	M11	O
		LN03D28H15SCP15	28	15	1.5	M11	O
		LN03D28H15SCP18	28	15	1.8	M11	O
		LN03D28H15SCP20	28	15	2.0	M11	O
		LN03D28H15SCP25	28	15	2.5	M11	O
		LN03D28H15SCP30	28	15	3.0	M11	O
		LN03D28H15SCP35	28	15	3.5	M11	O
		LN03D28H15SCP40	28	15	4.0	M11	O
		LN03D28H15SCP45	28	15	4.5	M11	O
		LN03D28H15SCP50	28	15	5.0	M11	O
		LN03D28H15SCP60	28	15	6.0	M11	O
	Chrome-plating Double Layers 	LN03D28H15DCP08	28	15	0.8	M11	P0591-002-00008
		LN03D28H15DCP10	28	15	1.0	M11	P0591-002-00010
		LN03D28H15DCP12	28	15	1.2	M11	P0591-002-00012
		LN03D28H15DCP14	28	15	1.4	M11	P0591-002-00014
		LN03D28H15DCP15	28	15	1.5	M11	P0591-002-00015
		LN03D28H15DCP18	28	15	1.8	M11	P0591-002-00018
		LN03D28H15DCP20	28	15	2.0	M11	P0591-002-00020
		LN03D28H15DCP25	28	15	2.5	M11	P0591-002-00025
		LN03D28H15DCP30	28	15	3.0	M11	P0591-002-00030
		LN03D28H15DCP35	28	15	3.5	M11	P0591-002-00035
LN03D28H15DCP40	28	15	4.0	M11	P0591-002-00040		
LN03D28H15DCP40	28	15	4.5	M11	O		
LN03D28H15DCP50	28	15	5.0	M11	(P0591-002-00050)		
LN03D28H15DCP60	28	15	6.0	M11	O		


Model		SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
			mm	mm	mm		
<b>Type B</b>	<p>D28 H11 Single Layer</p>	LN03D28H11S08X	28	11	0.8	M11	O
		LN03D28H11S10X	28	11	1	M11	O
		LN03D28H11S12X	28	11	1.2	M11	O
		LN03D28H11S14X	28	11	1.4	M11	O
		LN03D28H11S15X	28	11	1.5	M11	O
		LN03D28H11S18X	28	11	1.8	M11	O
		LN03D28H11S20X	28	11	2	M11	O
		LN03D28H11S25X	28	11	2.5	M11	O
		LN03D28H11S30X	28	11	3	M11	O
		LN03D28H11S35X	28	11	3.5	M11	O
		LN03D28H11S40X	28	11	4	M11	O
		LN03D28H11S50X	28	11	5.0	M11	O
	<p>D28 H15 Single Layer</p>	LN03D28H15S08X	28	15	0.8	M11	P0591-569-00008
		LN03D28H15S10X	28	15	1	M11	P0591-561-00010
		LN03D28H15S12X	28	15	1.2	M11	P0591-562-00012
		LN03D28H15S14X	28	15	1.4	M11	O
		LN03D28H15S15X	28	15	1.5	M11	P0591-563-00015
		LN03D28H15S18X	28	15	1.8	M11	P0591-564-00018
		LN03D28H15S20X	28	15	2	M11	P0591-565-00020
		LN03D28H15S25X	28	15	2.5	M11	P0591-566-00025
		LN03D28H15S30X	28	15	3	M11	O
		LN03D28H15S35X	28	15	3.5	M11	O
		LN03D28H15S40X	28	15	4	M11	O
		LN03D28H15S50X	28	15	5.0	M11	O
		LN03D28H15S60X	28	15	6.0	M11	O


Model		SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
			mm	mm	mm		
<b>Type B</b>	D28 H15 Double Layers 	LN03D28H15D08X	28	15	0.8	M11	P0591-002-00008
		LN03D28H15D10X	28	15	1.0	M11	P0591-002-00010
		LN03D28H15D12X	28	15	1.2	M11	P0591-002-00012
		LN03D28H15D14X	28	15	1.4	M11	O
		LN03D28H15D15X	28	15	1.5	M11	P0591-002-00015
		LN03D28H15D18X	28	15	1.8	M11	P0591-002-00018
		LN03D28H15D20X	28	15	2.0	M11	P0591-002-00020
		LN03D28H15D25X	28	15	2.5	M11	P0591-002-00025
		LN03D28H15D30X	28	15	3.0	M11	O
		LN03D28H15D35X	28	15	3.5	M11	O
		LN03D28H15D40X	28	15	4.0	M11	O
		LN03D28H15D50X	28	15	5.0	M11	O
		LN03D28H15D60X	28	15	6.0	M11	O
		D28 H15 Chrome-plating Double Layers 	LN03D28H15DC08X	28	15	0.8	M11
	LN03D28H15DC10X		28	15	1.0	M11	P0591-569-00010
	LN03D28H15DC12X		28	15	1.2	M11	P0591-569-00012
	LN03D28H15DC14X		28	15	1.4	M11	O
	LN03D28H15DC15X		28	15	1.5	M11	P0591-569-00015
	LN03D28H15DC18X		28	15	1.8	M11	P0591-569-00018
	LN03D28H15DC20X		28	15	2.0	M11	P0591-569-00020
	LN03D28H15DC25X		28	15	2.5	M11	P0591-569-00025
	LN03D28H15DC30X		28	15	3.0	M11	O
	LN03D28H15DC35X		28	15	3.5	M11	O
	LN03D28H15DC40X	28	15	4.0	M11	O	
LN03D28H15DC50X	28	15	5.0	M11	O		
LN03D28H15DC60X	28	15	6.0	M11	O		





Model		SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
			mm	mm	mm		
<b>Type C</b>	<p>Single Layer</p> 	LN03D28H15S08HDHS	28	15	0.8	M11	O
		LN03D28H15S10HDHS	28	15	1.0	M11	O
		LN03D28H15S12HDHS	28	15	1.2	M11	O
		LN03D28H15S14HDHS	28	15	1.4	M11	O
		LN03D28H15S15HDHS	28	15	1.5	M11	O
		LN03D28H15S18HDHS	28	15	1.8	M11	O
		LN03D28H15S20HDHS	28	15	2.0	M11	O
		LN03D28H15S25HDHS	28	15	2.5	M11	O
		LN03D28H15S30HDHS	28	15	3	M11	O
		LN03D28H15S35HDHS	28	15	3.5	M11	O
		LN03D28H15S40HDHS	28	15	4	M11	O
	<p>Double Layers</p> 	LN03D28H15D08HDHS	28	15	0.8	M11	O
		LN03D28H15D10HDHS	28	15	1.0	M11	O
		LN03D28H15D12HDHS	28	15	1.2	M11	O
		LN03D28H15D14HDHS	28	15	1.4	M11	O
		LN03D28H15D15HDHS	28	15	1.5	M11	O
		LN03D28H15D18HDHS	28	15	1.8	M11	O
		LN03D28H15D20HDHS	28	15	2.0	M11	O
		LN03D28H15D25HDHS	28	15	2.5	M11	O
		LN03D28H15D30HDHS	28	15	3	M11	O
		LN03D28H15D35HDHS	28	15	3.5	M11	O
		LN03D28H15D40HDHS	28	15	4.0	M11	O
		LN03D28H15D50HDHS	28	15	5.0	M11	O
		LN03D28H15D60HDHS	28	15	6.0	M11	O

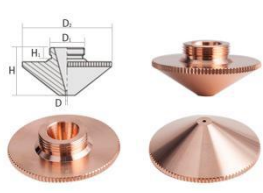
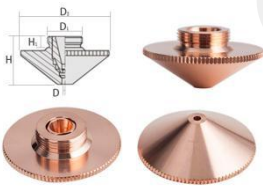
Model		SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
			mm	mm	mm		
<b>Type C</b>	Chrome-plating Single Layer 	LN03D28H15SCP08HS	28	15	0.8	M11	O
		LN03D28H15SCP10HS	28	15	1	M11	O
		LN03D28H15SCP12HS	28	15	1.2	M11	O
		LN03D28H15SCP14HS	28	15	1.4	M11	O
		LN03D28H15SCP15HS	28	15	1.5	M11	O
		LN03D28H15SCP18HS	28	15	1.8	M11	O
		LN03D28H15SCP20HS	28	15	2	M11	O
		LN03D28H15SCP25HS	28	15	2.5	M11	O
		LN03D28H15SCP30HS	28	15	3	M11	O
		LN03D28H15SCP35HS	28	15	3.5	M11	O
		LN03D28H15SCP40HS	28	15	4	M11	O
		LN03D28H15SCP50HS	28	15	5.0	M11	O
		LN03D28H15SCP60HS	28	15	6.0	M11	O
	Chrome-plating Double Layers 	LN03D28H15DCP08HS	28	15	0.8	M11	O
		LN03D28H15DCP10HS	28	15	1	M11	O
		LN03D28H15DCP12HS	28	15	1.2	M11	O
		LN03D28H15DCP14HS	28	15	1.4	M11	O
		LN03D28H15DCP15HS	28	15	1.5	M11	O
		LN03D28H15DCP18HS	28	15	1.8	M11	O
		LN03D28H15DCP20HS	28	15	2	M11	O
		LN03D28H15DCP25HS	28	15	2.5	M11	O
		LN03D28H15DCP30HS	28	15	3	M11	O
		LN03D28H15DCP35HS	28	15	3.5	M11	O
		LN03D28H15DCP40HS	28	15	4	M11	O
LN03D28H15DCP45HS	28	15	4.5	M11	O		
LN03D28H15DCP50HS	28	15	5.0	M11	O		
LN03D28H15DCP60HS	28	15	6.0	M11	O		

Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>3D</b>		LN03SWM9C08	14	15	0.8	M9
		LN03SWM9C10	14	15	1.0	M9
		LN03SWM9C12	14	15	1.2	M9
		LN03SWM9C15	14	15	1.5	M9
		LN03SWM9C20	14	15	2.0	M9

Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Type D</b>	Lengthened Single Layer 	LN314DLSC15	28	22.5	1.5	M11
		LN314DLSC20	28	22.5	1.5	M11

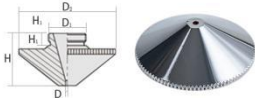
Model		SKU	Outer Diameter	Height	Caliber	Thread
<b>Type E</b> (Bodor D28)	<p>Single Layer</p> 		mm	mm	mm	
		LN03BSDM1108HD	28	15	0.8	M11
		LN03BSDM1110HD	28	15	1.0	M11
		LN03BSDM1112HD	28	15	1.2	M11
		LN03BSDM1114HD	28	15	1.4	M11
		LN03BSDM1115HD	28	15	1.5	M11
		LN03BSDM1118HD	28	15	1.8	M11
		LN03BSDM1120HD	28	15	2.0	M11
		LN03BSDM1125HD	28	15	2.5	M11
		LN03BSDM1130HD	28	15	3.0	M11
		LN03BSDM1135HD	28	15	3.5	M11
		LN03BSDM1140HD	28	15	4.0	M11
	<p>Double Layers</p> 	LN03BDDM1108HD	28	15	0.8	M11
		LN03BDDM1110HD	28	15	1.0	M11
		LN03BDDM1112HD	28	15	1.2	M11
		LN03BDDM1114HD	28	15	1.4	M11
		LN03BDDM1115HD	28	15	1.5	M11
		LN03BDDM1118HD	28	15	1.8	M11
		LN03BDDM1120HD	28	15	2.0	M11
		LN03BDDM1125HD	28	15	2.5	M11
		LN03BDDM1130HD	28	15	3.0	M11
		LN03BDDM1135HD	28	15	3.5	M11
		LN03BDDM1140HD	28	15	4.0	M11

## 4.2 Raytools

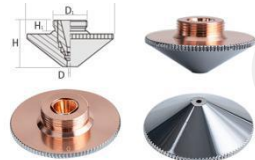
Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Type A</b>	<p>Single Layer</p> 	LN03D32H15S08HD	32	15	0.8	M14
		LN03D32H15S10HD	32	15	1.0	M14
		LN03D32H15S12HD	32	15	1.2	M14
		LN03D32H15S14HD	32	15	1.4	M14
		LN03D32H15S15HD	32	15	1.5	M14
		LN03D32H15S18HD	32	15	1.8	M14
		LN03D32H15S20HD	32	15	2.0	M14
		LN03D32H15S25HD	32	15	2.5	M14
		LN03D32H15S30HD	32	15	3.0	M14
		LN03D32H15S35HD	32	15	3.5	M14
		LN03D32H15S40HD	32	15	4.0	M14
		LN03D32H15S45HD	32	15	4.5	M14
		LN03D32H15S50HD	32	15	5.0	M14
		LN03D32H15S60HD	32	15	6.0	M14
	<p>Double Layers</p> 	LN03D32H15D08	32	15	0.8	M14
		LN03D32H15D10	32	15	1.0	M14
		LN03D32H15D12	32	15	1.2	M14
		LN03D32H15D14	32	15	1.4	M14
		LN03D32H15D15	32	15	1.5	M14
		LN03D32H15D18	32	15	1.8	M14
		LN03D32H15D20	32	15	2.0	M14
		LN03D32H15D25	32	15	2.5	M14
		LN03D32H15D30	32	15	3.0	M14
		LN03D32H15D35	32	15	3.5	M14
LN03D32H15D40	32	15	4.0	M14		
LN03D32H15D50	32	15	5.0	M14		
LN03D32H15D60	32	15	6.0	M14		

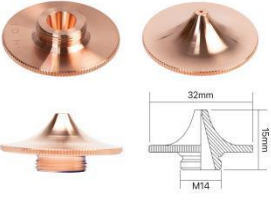
Model	SKU	Outer Diameter	Height	Caliber	Thread
<b>Type A</b>		mm	mm	mm	
	LN03D32H15DSP08	32	15	0.8	M14
	LN03D32H15DSP10	32	15	1.0	M14
	LN03D32H15DSP12	32	15	1.2	M14
	LN03D32H15DSP14	32	15	1.4	M14
	LN03D32H15DSP15	32	15	1.5	M14
	LN03D32H15DSP18	32	15	1.8	M14
	LN03D32H15DSP20	32	15	2.0	M14
	LN03D32H15DSP25	32	15	2.5	M14
	LN03D32H15DSP30	32	15	3.0	M14
	LN03D32H15DSP35	32	15	3.5	M14
	LN03D32H15DSP40	32	15	4.0	M14
	LN03D32H15DSP45	32	15	5.0	M14
	LN03D32H15DSP50	32	15	6.0	M14
	LN03D32H15DSP60	32	15	0.8	M14
	LN03D32H15DCP08	32	15	0.8	M14
	LN03D32H15DCP10	32	15	1.0	M14
	LN03D32H15DCP12	32	15	1.2	M14
	LN03D32H15DCP14	32	15	1.4	M14
	LN03D32H15DCP15	32	15	1.5	M14
	LN03D32H15DCP18	32	15	1.8	M14
	LN03D32H15DCP20	32	15	2.0	M14
	LN03D32H15DCP25	32	15	2.5	M14
	LN03D32H15DCP30	32	15	3.0	M14
	LN03D32H15DCP35	32	15	3.5	M14
	LN03D32H15DCP40	32	15	4.0	M14
	LN03D32H15DCP45	32	15	4.5	M14
LN03D32H15DCP50	32	15	5.0	M14	
LN03D32H15DCP60	32	15	6.0	M14	


Chrome-plating  
Single Layer


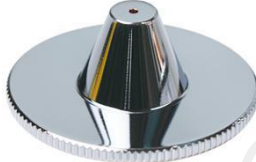



Chrome-plating  
Double Layers






Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Type B</b>	<p>Single Layer</p> 	LN03D32H15D08SJQ	32	15	0.8	M14
		LN03D32H15D10SJQ	32	15	1.0	M14
		LN03D32H15D12SJQ	32	15	1.2	M14
		LN03D32H15D14SJQ	32	15	1.4	M14
		LN03D32H15D15SJQ	32	15	1.5	M14
		LN03D32H15D18SJQ	32	15	1.8	M14
		LN03D32H15D20SJQ	32	15	2.0	M14
		LN03D32H15D25SJQ	32	15	2.5	M14
		LN03D32H15D30SJQ	32	15	3.0	M14
		LN03D32H15D35SJQ	32	15	3.5	M14
LN03D32H15D04SJQ	32	15	4.0	M14		

Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Type B</b>	<p>Chrome-plating Double Layers</p> 	LN03D32H15D08DJQ	32	15	0.8	M14
		LN03D32H15D10DJQ	32	15	1.0	M14
		LN03D32H15D12DJQ	32	15	1.2	M14
		LN03D32H15D14DJQ	32	15	1.4	M14
		LN03D32H15D15DJQ	32	15	1.5	M14
		LN03D32H15D18DJQ	32	15	1.8	M14
		LN03D32H15D20DJQ	32	15	2.0	M14
		LN03D32H15D25DJQ	32	15	2.5	M14
		LN03D32H15D03DJQ	32	15	3.0	M14
		LN03D32H15D35DJQ	32	15	3.5	M14
LN03D32H15D04DJQ	32	15	4.0	M14		



Model		SKU	Outer Diameter	Height	Caliber
			mm	mm	mm
Type C	Single Layer 	LN03D32H15ST08HD	32	15	0.8
		LN03D32H15ST10HD	32	15	1.0
		LN03D32H15ST12HD	32	15	1.2
		LN03D32H15ST14HD	32	15	1.4
		LN03D32H15ST15HD	32	15	1.5
		LN03D32H15ST18HD	32	15	1.8
		LN03D32H15ST20HD	32	15	2.0
		LN03D32H15ST25HD	32	15	2.5
		LN03D32H15ST30HD	32	15	3.0
		LN03D32H15ST35HD	32	15	3.5
		LN03D32H15ST40HD	32	15	4.0
		LN03D32H15ST50HD	32	15	5.0
		Chrome-plating Single Layer 	LN03D32H15SCPT08HD	32	15
	LN03D32H15SCPT10HD		32	15	1.0
	LN03D32H15SCPT12HD		32	15	1.2
	LN03D32H15SCPT14HD		32	15	1.4
	LN03D32H15SCPT15HD		32	15	1.5
	LN03D32H15SCPT18HD		32	15	1.8
	LN03D32H15SCPT20HD		32	15	2.0
	LN03D32H15SCPT25HD		32	15	2.5
	LN03D32H15SCPT30HD		32	15	3.0
	LN03D32H15SCPT35HD		32	15	3.5
	LN03D32H15SCPT40HD		32	15	4.0
	LN03D32H15SCPT50HD	32	15	5.0	
	Chrome-plating Double Layers 	LN03D32H15CPT08HD	32	15	0.8
		LN03D32H15CPT10HD	32	15	1.0
		LN03D32H15CPT12HD	32	15	1.2
		LN03D32H15CPT14HD	32	15	1.4
		LN03D32H15CPT15HD	32	15	1.5
		LN03D32H15CPT18HD	32	15	1.8
		LN03D32H15CPT20HD	32	15	2.0
		LN03D32H15CPT25HD	32	15	2.5
		LN03D32H15CPT30HD	32	15	3.0
LN03D32H15CPT35HD		32	15	3.5	
LN03D32H15CPT40HD		32	15	4.0	
LN03D32H15CPT50HD	32	15	5.0		



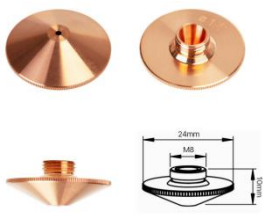
Model		SKU	Outer Diameter	Height	Caliber
			mm	mm	mm
Type D	<p>Single Layer</p>	LN03D11H22S08Z	10.7	22.2	0.8
		LN03D11H22S10Z	10.7	22.2	1.0
		LN03D11H22S12Z	10.7	22.2	1.2
		LN03D11H22S14Z	10.7	22.2	1.4
		LN03D11H22S15Z	10.7	22.2	1.5
		LN03D11H22S18Z	10.7	22.2	1.8
		LN03D11H22S20Z	10.7	22.2	2.0
		LN03D11H22S25Z	10.7	22.2	2.5
		LN03D11H22S30Z	10.7	22.2	3.0
		LN03D11H22S35Z	10.7	22.2	3.5
		LN03D11H22S40Z	10.7	22.2	4.0
		<p>Double Layers</p>	LN03D11H22D08Z	10.7	22.2
	LN03D11H22D10Z		10.7	22.2	1.0
	LN03D11H22D12Z		10.7	22.2	1.2
	LN03D11H22D14Z		10.7	22.2	1.4
	LN03D11H22D15Z		10.7	22.2	1.5
	LN03D11H22D18Z		10.7	22.2	1.8
	LN03D11H22D20Z		10.7	22.2	2.0
	LN03D11H22D25Z		10.7	22.2	2.5
	LN03D11H22D30Z		10.7	22.2	3.0
	LN03D11H22D35Z		10.7	22.2	3.5
	LN03D11H22D40Z		10.7	22.2	4.0
	<p>Chrome-plating Single Layer</p>		LN03D11H22SD08Z	10.7	22.2
		LN03D11H22SD10Z	10.7	22.2	1.0
		LN03D11H22SD12Z	10.7	22.2	1.2
		LN03D11H22SD14Z	10.7	22.2	1.4
		LN03D11H22SD15Z	10.7	22.2	1.5
		LN03D11H22SD18Z	10.7	22.2	1.8
		LN03D11H22SD20Z	10.7	22.2	2.0
		LN03D11H22SD25Z	10.7	22.2	2.5
		LN03D11H22SD30Z	10.7	22.2	3.0
		LN03D11H22SD35Z	10.7	22.2	3.5
		LN03D11H22SD40Z	10.7	22.2	4.0

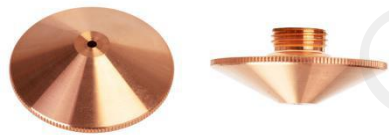
Model		SKU	Outer Diameter	Height	Caliber
			mm	mm	mm
<b>Type D</b>	Chrome-plating Double Layers 	LN03D11H22DL08Z	10.7	22.2	0.8
		LN03D11H22DL10Z	10.7	22.2	1.0
		LN03D11H22DL12Z	10.7	22.2	1.2
		LN03D11H22DL14Z	10.7	22.2	1.4
		LN03D11H22DL15Z	10.7	22.2	1.5
		LN03D11H22DL18Z	10.7	22.2	1.8
		LN03D11H22DL20Z	10.7	22.2	2.0
		LN03D11H22DL25Z	10.7	22.2	2.5
		LN03D11H22DL30Z	10.7	22.2	3.0
		LN03D11H22DL35Z	10.7	22.2	3.5
		LN03D11H22DL40Z	10.7	22.2	4.0
	Mounting Cap 	TRN03D23H15Z	23	15	-
		TRN03D23H15ZB	23	15	-
Nozzle Base 	TR03D36H28Z	35.5	28	-	


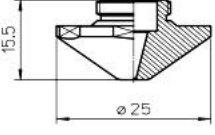
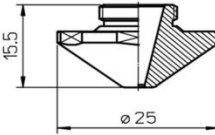
	Model	SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Type E</b>	<b>E1</b> Precision Cutting 	LN03PNC05	12	10	0.5	M8
	<b>E2</b> Precision Cutting 	LN03PNCB08Z	13	10	0.8	M8
		LN03PNCB10Z	13	10	1.0	M8
		LN03PNCB12Z	13	10	1.2	M8
		LN03PNCB14Z	13	10	1.4	M8
		LN03PNCB15Z	13	10	1.5	M8
		LN03PNCB18Z	13	10	1.8	M8
		LN03PNCB20Z	13	10	2.0	M8
		LN03PNCB25Z	13	10	2.5	M8
		LN03PNCB30Z	13	10	3.0	M8


Model		SKU	Outer Diameter	Height	Caliber	Thread
<b>Type F</b> (Bodor D32)	Single Layer 		mm	mm	mm	
		LN03BDS08HD	32	15	0.8	M14
		LN03BDS10HD	32	15	1.0	M14
		LN03BDS12HD	32	15	1.2	M14
		LN03BDS14HD	32	15	1.4	M14
		LN03BDS15HD	32	15	1.5	M14
		LN03BDS18HD	32	15	1.8	M14
		LN03BDS20HD	32	15	2.0	M14
		LN03BDS25HD	32	15	2.5	M14
		LN03BDS30HD	32	15	3.0	M14
		LN03BDS35HD	32	15	3.5	M14
		LN03BDS40HD	32	15	4.0	M14
		LN03BDS45HD	32	15	4.5	M14
		LN03BDS50HD	32	15	5.0	M14
	Double Layers 	LN03BDD08HD	32	15	0.8	M14
		LN03BDD10HD	32	15	1.0	M14
		LN03BDD12HD	32	15	1.2	M14
		LN03BDD14HD	32	15	1.4	M14
		LN03BDD15HD	32	15	1.5	M14
		LN03BDD18HD	32	15	1.8	M14
		LN03BDD20HD	32	15	2.0	M14
		LN03BDD25HD	32	15	2.5	M14
		LN03BDD30HD	32	15	3.0	M14
		LN03BDD35HD	32	15	3.5	M14
		LN03BDD40HD	32	15	4.0	M14
		LN03BDD45HD	32	15	4.5	M14
		LN03BDD50HD	32	15	5.0	M14


### 4.3 Trumpf

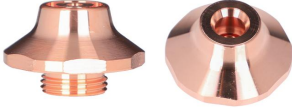
Model	SKU	Outer Diameter	Height	Caliber	Thread
		mm	mm	mm	
<p><b>Type A</b></p> <p>Single Layer</p> 	LN03M12D08Z	24	10	0.8	M8
	LN03M12D1Z	24	10	1	M8
	LN03M12D12Z	24	10	1.2	M8
	LN03M12D14Z	24	10	1.4	M8
	LN03M12D17Z	24	10	1.7	M8
	LN03M12D23Z	24	10	2.3	M8
	LN03M12D27Z	24	10	2.7	M8
	LN03M12D2Z	24	10	2	M8
	LN03M12D15Z	24	10	1.5	M8
	LN03M12D3Z	24	10	3	M8

Model	SKU	Outer Diameter	Height	Caliber	Thread
		mm	mm	mm	
<p><b>Type B</b></p> <p>Double Layers</p> 	LN03M12DL08Z	24	10	0.8	M8
	LN03M12DL12Z	24	10	1.2	M8
	LN03M12DL14Z	24	10	1.4	M8
	LN03M12DL17Z	24	10	1.7	M8
	LN03M12DL1Z	24	10	1.0	M8
	LN03M12DL23Z	24	10	2.3	M8
	LN03M12DL27Z	24	10	2.7	M8
	LN03M12DL2Z	24	10	2.0	M8


Model		SKU	Outer Diameter	Height	Caliber	Thread	
			mm	mm	mm		
<b>Type C</b> EAA Single Layer 	Single Layer through-hole 	LN03MEAA12D08Z	25	15.5	0.8	M12	
		LN03MEAA12D12Z	25	15.5	1.2	M12	
		LN03MEAA12D14Z	25	15.5	1.4	M12	
		Single Layer Oblique hole 	LN03MEAA12D17Z	25	15.5	1.7	M12
	LN03MEAA12D2Z		25	15.5	2.0	M12	
	LN03MEAA12D23Z		25	15.5	2.3	M12	
LN03MEAA12D27Z	25	15.5	2.0	M12			

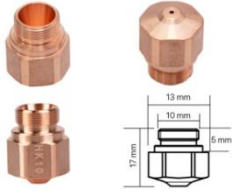
Model	SKU	Outer Diameter	Height	Caliber	Thread
		mm	mm	mm	
<b>Type D</b> EAU Double Layers 	LN03MEAUC25	20	15	2.5	M10
	LN03MEAUC30	20	15	3.0	M10
	LN03MEAUC40	20	15	4.0	M10
	LN03MEAUC60	20	15	6.0	M10
	LN03MEAUC100	20	15	10.0	M10

Model	SKU	Outer Diameter	Height	Caliber	Thread
		mm	mm	mm	
<b>Type E</b> EAK Double Layers 	LN03MEAKC25	25	15.5	2.5	M12
	LN03MEAKC30	25	15.5	3.0	M12
	LN03MEAKC40	25	15.5	4.0	M12

Model	SKU	Outer Diameter	Height	Caliber	Thread
		mm	mm	mm	
<p><b>Type F</b></p> <p>EAQ Double Layers</p> 	LN03MEAQC62	25	15.5	6.2	M12
	LN03MEAQC75	25	15.5	7.5	M12
	LN03MEAQC95	25	15.5	9.5	M12

## 4.4 Bystronic

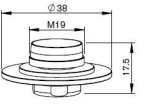
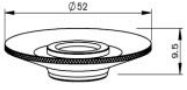

Model	SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
		mm	mm	mm		
<p><b>Type A</b></p> <p>K10 Series Single Layer</p> 	LN03BYK10C08	13	17	0.80	M10	3-04273
	LN03BYK10C10	13	17	1.00	M10	3-01905
	LN03BYK10C12	13	17	1.25	M10	3-01906
	LN03BYK10C15	13	17	1.50	M10	3-01907
	LN03BYK10C17	13	17	1.75	M10	3-01908
	LN03BYK10C20	13	17	2.00	M10	3-01909
	LN03BYK10C25	13	17	2.50	M10	3-04274
LN03BYK10C30	13	17	3.00	M10	-	

Model	SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
		mm	mm	mm		
<p><b>Type B</b></p> <p>HK Series Single Layer</p> 	LN03BYHHC08	13	17	0.80	M10	3-04277
	LN03BYHHC10	13	17	1.00	M10	3-01910
	LN03BYHHC12	13	17	1.25	M10	3-01911
	LN03BYHHC15	13	17	1.50	M10	3-01912
	LN03BYHHC17	13	17	1.75	M10	3-01913
	LN03BYHHC20	13	17	2.00	M10	3-01914
	LN03BYHHC25	13	17	2.50	M10	3-03854
	LN03BYHHC30	13	17	3.00	M10	3-06112
	LN03BYHHC35	13	17	3.50	M10	10045748
LN03BYHHC40	13	17	4.00	M10	-	


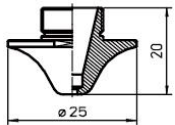


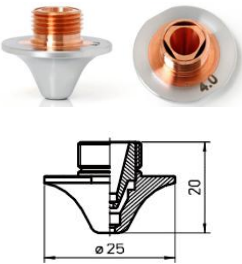
Model		SKU	Outer Diameter	Height	Caliber	Thread	OEM Pin
			mm	mm	mm		
<p><b>Type C</b></p> <p>H Series</p> <p>Single Layer</p>		LN03BYH10C08	13	17	0.80	M10	3-04275
		LN03BYH10C10	13	17	1.00	M10	3-01899
		LN03BYH10C12	13	17	1.25	M10	3-01900
		LN03BYH10C15	13	17	1.50	M10	3-01901
		LN03BYH10C17	13	17	1.75	M10	3-01902
		LN03BYH10C20	13	17	2.00	M10	3-01903
		LN03BYH10C25	13	17	2.50	M10	3-04276
		LN03BYH10C30	13	17	3.00	M10	-
		LN03BYH10BC08	13	17	0.80	M10	3-04275
		LN03BYH10BC10	13	17	1.00	M10	3-01899
		LN03BYH10BC12	13	17	1.25	M10	3-01900
		LN03BYH10BC15	13	17	1.50	M10	3-01901
		LN03BYH10BC17	13	17	1.75	M10	3-01902
		LN03BYH10BC20	13	17	2.00	M10	3-01903
		LN03BYH10BC25	13	17	2.50	M10	3-04276
		LN03BYH10BC30	13	17	3.00	M10	-

Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<p><b>Type D</b></p> <p>NK Series</p> <p>Double Layers</p>	LN03BYNKC10	13	17	1.00	M10	
	LN03BYNKC12	13	17	1.25	M10	
	LN03BYNKC15	13	17	1.26	M10	
	LN03BYNKC17	13	17	1.75	M10	
	LN03BYNKC20	13	17	2.00	M10	
	LN03BYNKC25	13	17	2.50	M10	
	LN03BYNKC30	13	17	3.00	M10	

Model		SKU	Outer Diameter	Height	Thread	PIN
			mm	mm		
<b>Type E</b> Nozzle adapter		LN03BYNB1	38	17.5	M19	10046030
		LN03BYNB2	52	9.5	-	2-08700
		LN03BYNB26	26	30.5	-	10032930
		LN03BYNB28	28	30.5	-	2-08701



#### 4.5 Amada

Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Type A</b> Chrome-plating Single Layer (High)  		LN03AMSC08	25	20	0.8	M12
		LN03AMSC10	25	20	1.0	M12
		LN03AMSC12	25	20	1.2	M12
		LN03AMSC14	25	20	1.4	M12
		LN03AMSC15	25	20	1.5	M12
		LN03AMSC17	25	20	1.7	M12
		LN03AMSC20	25	20	2.0	M12
		LN03AMSC25	25	20	2.5	M12
		LN03AMSC30	25	20	3.0	M12
		LN03AMSC35	25	20	3.5	M12
		LN03AMSC40	25	20	4.0	M12



Model	SKU	Outer Diameter	Height	Caliber	Thread
		mm	mm	mm	
<p><b>Type B</b></p> <p>Chrome-plating Double Layers (High)</p> 	LN03AMDC12	25	20	1.2	M12
	LN03AMDC14	25	20	1.4	M12
	LN03AMDC17	25	20	1.7	M12
	LN03AMDC20	25	20	2.0	M12
	LN03AMDC25	25	20	2.5	M12
	LN03AMDC30	25	20	3.0	M12
	LN03AMDC40	25	20	4.0	M12
	LN03AMDC50	25	20	5.0	M12

Model	SKU	Outer Diameter	Thread	Height	Caliber
		mm	mm	mm	
<p><b>Type C</b></p> <p>Chrome-plating Double Layers (short)</p>	LN03AMDAC40		-		4.0
	LN03AMDAC50		-		5.0
	LN03AMDAC60		-		6.0

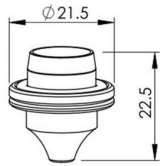
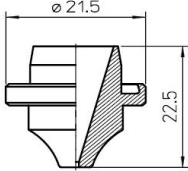
## 4.6 DNE

Model		SKU	Outer Diameter	Height	Caliber	Thread	
			mm	mm	mm		
<b>Type A</b>	End Connector 	LN03DNCQQ90	39.6	17.6	-	M14	
		LN03DNCQQ90A	39.6	12.3	-	M14	
	Cutting Nozzles Chrome-plating 	Single	LN03DND28H22S14	28	22	1.4	M14
			LN03DND28H22S40	28	22	4	M14
		Double	LN03DND28H22C14	28	22	1.4	M14
			LN03DND28H22C40	28	22	4	M14

Model	SKU	Outer Diameter	Height	Caliber	Thread
		mm	mm	mm	
<b>Type C 3236</b>	LN03DN3236			-	
<b>Type D 2614</b>	LN03DN2614			-	
<b>Type E 3023</b>	LN03DN3023			-	
<b>Type F 3524</b>	LN03DN3524			-	
<b>Type G 2612</b>	LN03DN2612			-	

Model		SKU	Outer Diameter	Height	Caliber	Thread	
<b>Type H</b>	Chrome-plating Single Layer 		mm	mm	mm		
		LN03DNHTSP08	15	15	0.8	M12	
		LN03DNHTSP10	15	15	1.0	M12	
		LN03DNHTSP12	15	15	1.2	M12	
		LN03DNHTSP14	15	15	1.4	M12	
		LN03DNHTSP15	15	15	1.5	M12	
		LN03DNHTSP18	15	15	1.8	M12	
		LN03DNHTSP20	15	15	2.0	M12	
		LN03DNHTSP25	15	15	2.5	M12	
		LN03DNHTSP30	15	15	3.0	M12	
		LN03DNHTSP35	15	15	3.5	M12	
		LN03DNHTSP40	15	15	4.0	M12	
		Chrome-plating Double Layers 	LN03DNHTDP08	15	15	0.8	M12
			LN03DNHTDP10	15	15	1.0	M12
	LN03DNHTDP12		15	15	1.2	M12	
	LN03DNHTDP14		15	15	1.4	M12	
	LN03DNHTDP15		15	15	1.5	M12	
	LN03DNHTDP18		15	15	1.8	M12	
	LN03DNHTDP20		15	15	2.0	M12	
	LN03DNHTDP25		15	15	2.5	M12	
	LN03DNHTDP30		15	15	3.0	M12	
	LN03DNHTDP35		15	15	3.5	M12	
	LN03DNHTDP40	15	15	4.0	M12		

## 4.7 Mitsubishi

Model		SKU	Outer Diameter	Height	Caliber
			mm	mm	mm
<b>Type A</b>	<p>With Grooves</p> 	LN03DNCM1	22	22.5	1.0
		LN03DNCM12	22	22.5	1.2
		LN03DNCM14	22	22.5	1.4
		LN03DNCM15	22	22.5	1.5
		LN03DNCM18	22	22.5	1.7
		LN03DNCM20	22	22.5	2.0
		LN03DNCM25	22	22.5	2.5
		LN03DNCM30	22	22.5	3.0
		LN03DNCM35	22	22.5	3.5
	<p>Without Grooves</p> 	LN03DNWCM1	22	22.5	1.0
		LN03DNWCM12	22	22.5	1.2
		LN03DNWCM14	22	22.5	1.4
		LN03DNWCM15	22	22.5	1.5
		LN03DNWCM18	22	22.5	1.7
		LN03DNWCM20	22	22.5	2.0
		LN03DNWCM25	22	22.5	2.5
		LN03DNWCM30	22	22.5	3.0
		LN03DNWCM35	22	22.5	3.5




Model		SKU	Outer Diameter	Height	Caliber
			mm	mm	mm
<b>Type B</b>	<p>With Grooves</p> 	LN03DOCM1	22	23	1.0
		LN03DOCM12	22	23	1.2
		LN03DOCM14	22	23	1.4
		LN03DOCM15	22	23	1.5
		LN03DOCM18	22	23	1.7
		LN03DOCM20	22	23	2.0
		LN03DOCM25	22	23	2.5
		LN03DOCM30	22	23	3.0
		LN03DOCM35	22	23	3.5
	<p>Without Grooves</p> 	LN03DOWCM1	22	23	1.0
		LN03DOWCM12	22	23	1.2
		LN03DOWCM14	22	23	1.4
		LN03DOWCM15	22	23	1.5
		LN03DOWCM18	22	23	1.7
		LN03DOWCM20	22	23	2.0
		LN03DOWCM25	22	23	2.5
		LN03DOWCM30	22	23	3.0
		LN03DOWCM35	22	23	3.5

Model		SKU	Outer Diameter	Height	Caliber
			mm	mm	mm
<b>Type C</b>	Pressure	LN03MIPD10	-	-	1.0
		LN03MIPD12	-	-	1.2
		LN03MIPD14	-	-	1.4
		LN03MIPD15	-	-	1.5
		LN03MIPD17	-	-	1.7
		LN03MIPD20	-	-	2.0
		LN03MIPD25	-	-	2.5
		LN03MIPD30	-	-	3.0
		LN03MIPD35	-	-	3.5
		LN03MIPD40	-	-	4.0
		LN03MIPD50	-	-	5.0

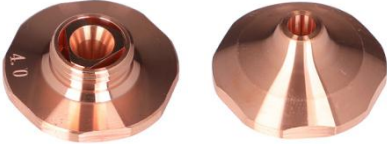
## 4.8 Prima



Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Type A</b>	Chrome-plating Double Layers 	LN03PRYD10	28	20	1	M12
		LN03PRYD12	28	20	1.2	M12
		LN03PRYD14	28	20	1.4	M12
		LN03PRYD15	28	20	1.5	M12
		LN03PRYD18	28	20	1.8	M12
		LN03PRYD20	28	20	2	M12
		LN03PRYD25	28	20	2.5	M12
		LN03PRYD30	28	20	3	M12
	Chrome-plating Single Layer 	LN03PRYD10	28	20	1	M12
		LN03PRYD12	28	20	1.2	M12
		LN03PRYD14	28	20	1.4	M12
		LN03PRYD15	28	20	1.5	M12
		LN03PRYD18	28	20	1.8	M12
		LN03PRYD20	28	20	2	M12
		LN03PRYD25	28	20	2.5	M12
		LN03PRYD30	28	20	3	M12





Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Type B</b>	Chrome-plating Double Layers 	LN03PRSYD10	24	20	1	M12
		LN03PRSYD12	24	20	1.2	M12
		LN03PRSYD14	24	20	1.4	M12
		LN03PRSYD15	24	20	1.5	M12
		LN03PRSYD18	24	20	1.8	M12
		LN03PRSYD20	24	20	2	M12
		LN03PRSYD25	24	20	2.5	M12
		LN03PRSYD30	24	20	3	M12
	Single Layer Cylindrical 	LN03PRYDY10	24	20	1	M12
		LN03PRYDY12	24	20	1.2	M12
		LN03PRYDY14	24	20	1.4	M12
		LN03PRYDY15	24	20	1.5	M12
		LN03PRYDY18	24	20	1.8	M12
		LN03PRYDY20	24	20	2	M12
		LN03PRYDY25	24	20	2.5	M12
		LN03PRYDY30	24	20	3	M12
	Single Layer Round Head 	LN03PRYDT10	24	20	1	M12
		LN03PRYDT12	24	20	1.2	M12
		LN03PRYDT14	24	20	1.4	M12
		LN03PRYDT15	24	20	1.5	M12
		LN03PRYDT18	24	20	1.8	M12
		LN03PRYDT20	24	20	2	M12
		LN03PRYDT25	24	20	2.5	M12
		LN03PRYDT30	24	20	3	M12


## 4.9 Others

Model	SKU	Outer Diameter	Height	Caliber	Thread
		mm	mm	mm	
<p><b>WSX</b></p> <p>Double Layers</p> 	LN03WSXM12S08	25	16	0.8	M12
	LN03WSXM12S10	25	16	1.0	M12
	LN03WSXM12S12	25	16	1.2	M12
	LN03WSXM12S14	25	16	1.4	M12
	LN03WSXM12S15	25	16	1.5	M12
	LN03WSXM12S18	25	16	1.8	M12
	LN03WSXM12S20	25	16	2.0	M12

Model	SKU	Outer Diameter	Height	Caliber	Thread	
		mm	mm	mm		
<p><b>WSX</b></p> <p>Single Layer</p> 	LN03WSXNSC08	28	15	0.8	M11	
	LN03WSXNSC10	28	15	1.0	M11	
	LN03WSXNSC12	28	15	1.2	M11	
	LN03WSXNSC14	28	15	1.4	M11	
	LN03WSXNSC15	28	15	1.5	M11	
	LN03WSXNSC18	28	15	1.8	M11	
	LN03WSXNSC20	28	15	2.0	M11	
	LN03WSXNSC25	28	15	2.5	M11	
	LN03WSXNSC30	28	15	3.0	M11	
	<p>Double Layers</p> 	LN03WSXNDC08	28	15	0.8	M11
		LN03WSXNDC10	28	15	1.0	M11
		LN03WSXNDC12	28	15	1.2	M11
		LN03WSXNDC14	28	15	1.4	M11
		LN03WSXNDC15	28	15	1.5	M11
		LN03WSXNDC18	28	15	1.8	M11
		LN03WSXNDC20	28	15	2.0	M11
		LN03WSXNDC25	28	15	2.5	M11
		LN03WSXNDC30	28	15	3.0	M11

Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Three- Dimensional Nozzles</b>	M8 Single Layer	LN03M8S08	-	-	0.8	M8
		LN03M8S10	-	-	1.0	M8
		LN03M8S12	-	-	1.2	M8
		LN03M8S14	-	-	1.4	M8
		LN03M8S15	-	-	1.5	M8
		LN03M8S18	-	-	1.8	M8
		LN03M8S20	-	-	2.0	M8
		LN03M8S25	-	-	2.5	M8
		LN03M8S30	-	-	3.0	M8
	Chrome-plating M8 Double Layers	LN03M8S08	-	-	0.8	M8
		LN03M8S10	-	-	1.0	M8
		LN03M8S12	-	-	1.2	M8
		LN03M8S14	-	-	1.4	M8
		LN03M8S15	-	-	1.5	M8
		LN03M8S18	-	-	1.8	M8
		LN03M8S20	-	-	2.0	M8
		LN03M8S25	-	-	2.5	M8
		LN03M8S30	-	-	3.0	M8
	Type D Single Layer 	LN03SWM6C10	11.5	15.5	1	M6
		LN03SWM6C12	11.5	15.5	1.2	M6
		LN03SWM6C15	11.5	15.5	1.5	M6
		LN03SWM6C18	11.5	15.5	1.8	M6
		LN03SWM6C20	11.5	15.5	2.0	M6
	M6	LN03SWM6C10B	-	-	1.0	M6
		LN03SWM6C12B	-	-	1.2	M6
		LN03SWM6C15B	-	-	1.5	M6
		LN03SWM6C18B	-	-	1.8	M6
		LN03SWM6C20B	-	-	2.0	M6
	Precitec M9	LN03SWM9C08	-	-	0.8	M9
		LN03SWM9C10	-	-	1.0	M9
		LN03SWM9C12	-	-	1.2	M9
		LN03SWM9C15	-	-	1.5	M9
		LN03SWM9C20	-	-	2.0	M9
Mazak M5	LN03SWM5C10	-	-	1.0	M5	
	LN03SWM5C12	-	-	1.2	M5	
	LN03SWM5C15	-	-	1.5	M5	
	LN03SWM5C18	-	-	1.8	M5	
	LN03SWM5C20	-	-	2.0	M5	

Model		SKU	Outer Diameter	Height	Caliber	Thread
			mm	mm	mm	
<b>Penta B</b> (High-Power)	Single Layer 	LN03PTHDS35	28	15	3.5	M11
		LN03PTHDS40	28	15	4.0	M11
		LN03PTHDS45	28	15	4.5	M11
		LN03PTHDS50	28	15	5.0	M11
		LN03PTHDS60	28	15	6.0	M11
<b>Penta A</b> (Sonic)	Chrome-plating Double Layers 	LN03PTSDC12	28	15	1.2	M11
		LN03PTSDC14	28	15	1.4	M11
		LN03PTSDC16	28	15	1.6	M11

Model		SKU	Caliber	Height	Outer Diameter	Thread
			mm	mm	mm	
DZ	KS Type A Flat Head Single Layer	LN03DZP10	1.0	-	-	-
		LN03DZP12	1.2	-	-	-
		LN03DZP14	1.4	-	-	-
		LN03DZP15	1.5	-	-	-
		LN03DZP18	1.8	-	-	-
		LN03DZP20	2.0	-	-	-
		LN03DZP25	2.5	-	-	-
		LN03DZP30	3.0	-	-	-
	KS Type B Pointed Single Layer	LN03DZJ10	1.0	-	-	-
		LN03DZJ12	1.2	-	-	-
		LN03DZJ14	1.4	-	-	-
		LN03DZJ15	1.5	-	-	-
		LN03DZJ18	1.8	-	-	-
		LN03DZJ20	2.0	-	-	-
		LN03DZJ25	2.5	-	-	-
		LN03DZJ30	3.0	-	-	-
	SP Single Layer for Hans Laser 	LN03DZSPS16	1.6	15	28	M11
		LN03DZSPS18	1.8	15	28	M11

## 4.10 Custom Nozzle

Model		SKU	model	Caliber
HK	S3			mm
		LN610HKMX0329	S3 NP	1.0
		LN610HKMX0330	S3 NP	1.2
		LN610HKMX0331	S3 NP	1.5
		LN610HKMX0332	S3 NP	1.7
		LN610HKMX0333	S3 NP	2.0
		LN610HKMX0334	S3 NP	2.5
		LN610HKMX0335	S3 NP	3.0
		LN610HKMX0860	S3 NP	1.0
		LN610HKMX0861	S3 NP	1.2
		LN610HKMX0862	S3 NP	1.5
		LN610HKMX0863	S3 NP	1.8
		LN610HKMX0864	S3 NP	2.0
		LN610HKMX0865	S3 NP	2.5
		LN610HKMX0866	S3 NP	3.0
		LN610HKHPHH03019	S3 TP	1.5
		LN610HKHPHH03021	S3 TP	1.8
		LN610HKHPHH03014	S3 TP	2.0
		LN610HKHPHH03017	S3 TP	2.5
		LN610HKHPHH03023	S3 TP	3.0
	S5	LN610HKHCHTP1515	S5 TP	1.5
		LN610HKHCHTP1518	S5 TP	1.8
		LN610HKHCHTP1520	S5 TP	2.0
		LN610HKHCHTP1525	S5 TP	2.5
		LN610HKHCHTP2030	S5 TP	3.0
		LN610HKMX0989	S5 NP	1.0
		LN610HKMX0990	S5 NP	1.2
		LN610HKMX0991	S5 NP	1.5
		LN610HKMX0992	S5 NP	1.8
		LN610HKMX0993	S5 NP	2.0
		LN610HKMX0994	S5 NP	2.5
		LN610HKMX0995	S5 NP	3.0
LN610HKMX1087	S5 NP	4.0		
LN610HKMX1088	S5 NP	5.0		




Model		SKU	model	Caliber
HK	Hiyg	LN610HKAONozD00011	H3	3.0
		LN610HKAONozD00013	H5	5.0
		LN610HKAONozD00016	LV5	5.0
	HIGH 10K,CORONA	LN610HKHBEDP3015	DP	3.0
		LN610HKHBEDP4018	DP	4.0
	PROct	LN610HKAONozD00046	AO-NOZ-D00046	3.0
		LN610HKAONozD00047	AO-NOZ-D00047	5.0

## 5. Ceramic Parts





### 5.1 Precitec

	Model	SKU	Height	Thread	OEM Pin
			mm		
	3D	LC03WSX00	10	M5	O
	OEM Precitec Ceramic	LC03D28PT1051	11.7	M11	P0571-1051-00001
	OEM Precitec Ceramic 5Pcs	LC03D28PT1051Q5P	11.7	M11	P0571-1051-00001
	OEM Precitec Ceramic (260 old)	LC03D28PT260	11.7	M11	P0571-260-00001
	OEM Precitec Ceramic (Gold)	LC03D28PT1051G	11.7	M11	P0571-1051-00001

## 5.2 Raytools





	Model	SKU	Height	Diameter	Thread	OEM Pin
	OEM Raytools Laser Ceramic (D32mm)	LC03D32R01	11.7mm	32mm	M14	O
	OEM Raytools Laser Ceramic (D32mm) 5Pcs	LC03D32R015	11.7mm	32mm	M14	O
	Original Made	LC03D32R01O	12mm	32mm	M14	O
	BT240S RC Series	LC03D19BT2403D	12.5	19.5	M8	O

## 5.3 Bystronic

	SKU	Height	Outer Diameter	Inner Diameter	OEM Pin
		mm	mm	mm	
	LC03B9010	6.5	28	22	4-09010
	LC03B10032838	11.5	26	21	10032838
	LC03B1642	4	26	17.5	4-01642/4-00569
	LC03B1959	10.9	26/22	21/17	4-01959




## 5.4 Trumpf




	SKU	Height	Thread	OEM Pin
Type A 		mm		
	LC03TK01	17.5	5.3mm	936678-913966
Type B 	LC03TK02	32	7.3mm	254493-260432
Type C 	LC03TK03	33.5	M11	(1755673)
Type D 	LC03TK04	33.5	M12	O

## 5.5 Other

### 5.4.1 IPG

	SKU	Height	Thread	OEM Pin
		mm		
	LC039OIPGC1	10.5	M11	O

## 5.4.2 HIGHYAG


	SKU	diameter	Thread	OEM Pin
		mm		
<p>Type A</p> 	LC03PT01A	35	M11	O
<p>Type B</p> 	LC03PT02B	24.5	M11-M15	O
<p>Type C</p> 	LC03PT03C	35	26mm	O

## 5.4.2 WSX


Model	SKU	Height	Thread	OEM Pin
WSX Mini	LC03WSX00	-	-	-
WSX 01	LC03WSX01	-	-	-
WSX 02	LC03WSX02	-	-	-
WSX 03 WTC-01A	LC03WSX03	-	-	-

## 6. Anti-collision connector

### 6.1 Bystronic


	SKU	Height	Diameter	Thread	OEM Pin
		mm	mm		
	LC04BM10M15	24	-	M10-M15	10064099

### 6.2 Precitec

	SKU	Height	Thread	OEM Pin
		mm		
	LC314PREM11	19	M11-M11	O


### 6.3 Others



#### 6.3.1 HIGHYAG


	SKU	Height	Thread	OEM Pin
		mm		
	LC395HIM15	23.5	M11-M15	O


## 7.Fiber Lens



### 7.1 Protective Windows

	SKU	Diameter	Edge Thickness	Material
		mm	mm	
<p>Protective Windows</p> 	PW02FS20X2	20	2	Fused Silica JGS1
	PW02FS20X3	20	3	
	PW02FS20X5	20	5	
	PW02FS2235X4	22.35	4	
	PW02FS25X2	25	2	
	PW02FS25X3	25	3	
	PW02FS254X3	25.4	3	
	PW02FS254X4	25.4	4	
	PW02FS254X5	25.4	5	
	PW02FS265X5	26.5	5	
	PW02FS27X4	27	4	
	PW02FS28X4	28	4.0	
	PW02FS30X15	30	1.5	
	PW02FS30X2	30	2	
	PW02FS30X3	30	3	
	PW02FS30X5	30	5	
	PW02FS32X4	32	4	
	PW02FS34X3	34	3	
	PW02FS34X5	34	5	
	PW02FS35X15	35	2	
	PW02FS35X4	35	4	
	PW02FS35X5	35	5	
	PW02FS36X5	36	5	
PW02FS37X7	37	7		
PW02FS38X15	38	2		
PW02FS38X2	38	2		
PW02FS38X6	38.1	6		


	SKU	Diameter	Edge Thickness	Material
		mm	mm	
Protective Windows 	PW02FS38X10	38	10	Fused Silica JGS1
	PW02FS40X3	40	3	
	PW02FS42X3	42	3	
	PW02FS42X9	42	9	
	PW02FS48X3	48	3	
	PW02FS50X2	50	2	
	PW02FS55X15	55	1.5	
	PW02FS60X3	60	3	
	PW02FS76X3	76	3	
	PW02FS80X17	80	1.7	
Octagonal protective lens 	PW02FSLGE33	35	1.7	

	SKU	Diameter	Edge Thickness	Material
		mm	mm	
Protective Windows 	PW02F2S2235X4	22.35	4	Fused Silica JGS2
	PW02F2S2235X2	22.35	2	
	PW02F2S25X3	25	3	
	PW02F2S254X5	25.4	5	
	PW02F2S254X4	25.4	4	
	PW02F2S249X15	24.9	1.5	
	PW02F2S297X47	29.7	4.7	
	PW02F2S30X5A	30	5	
	PW02F2S30X5B	30	5	
	PW02F2S34X3	34	3	
	PW02F2S34X5	34	5	
	PW02F2S36X5	36	5	
	PW02F2S40X5	40	5	
	PW02F2SB555X1	55.5	1	
	PW02F2SB50X2	50	2	
	PW02F2SB50X2B	50	2 (0-2.5kW)	
	PW02F2SB50X15	50	1.5 (4-5Kw)	


	SKU	Diameter	Edge Thickness	Material
<p>Protective Windows</p> 	PW02F2SB50X15B	50	1.5 (0-2.5kW)	Fused Silica JGS2
	PW02F2SB50X1	50	1 (4-5Kw)	
	PW02F2SB48X3	48	3	
	PW02F2SB48X2	48	2	
	PW02F2SB42X3	42	3	
	PW02F2SB40X3	40	3	
	PW02F2SB40X2	40	2	
	PW02F2SB37X7	37	7 (0-6kW) <b>stop sale</b>	
	PW02F2S37X7	37	7 (0-10kW)	
	PW02F2SB35X4	35	4	
	PW02F2SB38X2	38	2	
	PW02F2SB30X3	30	3	
	PW02F2SB30X2	30	2	
	PW02F2SB30X15	30	1.5	
	PW02F2SB30X1	30	1	
	PW02F2SB28X4	28	4	
	PW02F2SB32X635	32	6.35	
	PW02F2SB25X2	25	2	
	PW02F2SB55X15	55	1.5	
	PW02F2SB38X15A	38	1.5 (0-2.5kW)	
	PW02F2SB38X15B	38	1.5 (4-6kW)	
	PW02F2SB38X15C	38	1.5 (8-12kW)	
	PW02F2SB34X28	34	2.8 (10-15kW)	


	SKU	Power	size	Used for
Protective Windows (Raytools Original Made)			mm	
	PW02FYZ249X15	0-6kW	24.9*1.5	Protective glass (Above)
	PW02FYZ279X41	0-6kW	27.9*4.1	Protective glass (Below)

	PW02FYZ37X7	0-8kW	37*7	BM114
	PW02FYZ381X15	0-8kW	38.1*1.5	BM114

	SKU	Diameter	Edge Thickness	Material
		mm	mm	
Protective Windows (HQ) 	PW02FHQ249X15	24.9	1.5	Fused Silica JGS2
	PW02FHQ265X5	26.5	5	
	PW02FHQ279X41	27.9	4.1	
	PW02FHQ30X5	30	5	
	PW02FHQ36X5A	3.6	5 (0-6kW)	
	PW02FHQ36X5B	3.6	5 (≥6kW)	
	PW02FHQ37X7B	37	7	
	PW02FHQ38X635	38	6.35	



## 7.2 Focusing Lens and Collimating Lens



Model	SKU	Diameter	Focal Length	Shape	Material	
1PCS 		mm	mm	Plane-Convex	High Purity Fused Silica	
	FCFL02S254X100	25.4	100			
	FCFL02S254X125	25.4	125			
	FCFL02S254X150	25.4	150			
	FCFL02S28X75	28	75			
	FCFL02S28X100	28	100			
	FCFL02S28X125	28	125			
	FCFL02S28X150	28	150			
	FCFL02S38X100	38.1	100			
	FCFL02S38X125	38.1	125			
	FCFL02S38X150	38.1	150			
	FCFL02S38X200	38.1	200			
	FCFL02S38X300A	38.1	300			
	FCFL02S38X300B	38.1	300			
					K9	
					Plane-Convex	High Purity Fused Silica
	FCFL02S42X80	42	80			
	FCFL02S42X100	42	100			
	FCFL02S42X120	42	120			
FCFL02S42X150	42	150				
FCFL02S50X80	50	80				
FCFL02S50X120	50	120				
FCFL02S50X150	50	150				

Model	SKU	Diameter	Focal Length	Shape	Material
2PCS 	FCFL02D28X75P	28	75	1st:Double-Convex 2nd:Meniscus	High Purity Fused Silica
	FCFL02D28X125P	28	125		
	FCFL02D30X75P	30	75		
	FCFL02D30X100P	30	100		
	FCFL02D30X125P	30	125		
	FCFL02D30X150P	30	150		
	FCFL02D37X75P	37	75		
	FCFL02D37X100P	37	100		
	FCFL02D37X125P	37	125		
	FCFL02D37X150P	37	150		
	FCFL02D37X200P	37	200		



	Model	SKU	Diameter	Focal Length	Applied Power	Material
	Raytools		mm	mm	W	
	Collimating Lens (Lens Tube)	FCFL02D30F100B	30	100	0-400	High Purity Fused Silica
	Focusing Lens (Lens Tube)	FCFL02D30F125B	30	125	0-400	
	BT210/S Collimating Lens (Lens Tube)	FCFL02D28F100	28	100	-	
	BT210/S Focusing Lens (Lens Tube)	FCFL02D28F125	28	125	-	
	BM109 Collimating Lens (Lens Tube)	FCFL02BM9D28F100	28	100	0-1500	
	BM109 Focusing Lens (Lens Tube)	FCFL02BM9D28F125	28	125	0-1500	
	BM111 Collimating Lens (Lens Tube)	FCFL02BM1D30F100	30	100	0-3000	
	BM111 Focusing Lens (Lens Tube)	FCFL02BM1D30F125	30	125	0-3000	
		FCFL02BM1D30F200A	30	200	0-3000	
	BM111 Focusing Lens (Original Lens)	FCFL02BM1D30F155	30	155	0-3000	
		FCFL02BM1D30F200B	30	200	0-3000	
	BM114 Focusing Lens (Without lens barrel)	FCFL02BM4D37F155B	37	155	-	

	BM114 Focusing Lens (With lens barrel)	FCFL02BM4D37F155	37	155	-
		FCFL02BM4D38F200	38.1	200	-
	BM114 Collimating Lens (Without lens barrel)	FCFL02BM4D37F100B	37	100	-
	BM114 Collimating Lens (With lens barrel)	FCFL02BM4D37F100	37	100	-


	Model	SKU	Diameter	Focal Length	Applied Power	Material
	WSX		mm	mm	W	
	Collimating Lens ( Lens Tube)	FCFL02D30F100D	30	100	0-400	High Purity Fused Silica
	Focusing Lens ( Lens Tube)	FCFL02D30F125D	30	125	0-150	

Model	Model	SKU	Diameter	Focal Length	Applied Power	Material
	Precitec		mm	mm	W	
	Collimator Lens	FCFL02D37F100PD	37	100	0-8000	High Purity Fused Silica
		FCFL02D37F100PB	37	100	8000-10000	
		FCFL02D37F100PC	37	100	12000-15000	
	Focusing Lens	FCFL02D37F150PD	37	150	0-8000	
		FCFL02D37F200P	37	200	8000-10000	
		FCFL02D37F200PB	37	200	12000-15000	
	Collimator Lens	FCFL02D30F100P	30	100	0-4000	
	Focusing Lens	FCFL02D30F125P	30	125	0-4000	


### 7.3 Fiber Laser Safety Goggles

Style	SKU	Typical Wavelength
Style A 	SG13FBM2	1064nm
Style B 	SG13FBM3	1064nm
Style C 	SG13FBM4	1064nm
Style D 	SG13FBM5	1064nm


### 7.4 Protective Windows Washer

	SKU	Diameter		Height	
		Outer	Inner	Outer	Inner
	PWW0270X18	27	18.5	3.5	-
	PWW0230X24	29.8	23.8	3	2
	PWW0232X24	32	24	3.5	2.5
	PWW0232X26	32	25.5	2.8	2
	PWW0240X30	40	30	3.5	2.5
	PWW02Y4035X336	40.35	33.6	2.9	-

### 7.5 Lens Cleaning Wipe


	SKU	Packing	Cleaning Wipe
		mm	mm
	CP04A10X10	60×80	90×100

## 7.6 Cotton Swab

	SKU	Size	Length
	CS04M100	M	100mm
	CS04L100	L	160mm
	CS04XL100	XL	125mm

## 8.Laser Cutting Head Parts





### 8.1 QBH Interface

	SKU	Brand	Name
	LH04RBT240QBH	Raytools	QBH Interface







### 8.2 Nozzle Connector

	SKU	Brand	Model	
Nozzle Connector		LH04RBT210A1	Raytools	For BT210
		LH04RBT210S	Raytools	For BT210S
		LH04RBT240A1	Raytools	For BT240
		LH04RBT240SA1	Raytools	For BT240S
		LH04RBT240S	Raytools	For BT240S
		LH04BM111TRA	Raytools	For BM111TRA
		LH04BM109A1	Raytools	For BM109
		LH04LMA1	Lasermech	For Lasermech Nozzle Connector
		LH04WSX1	WSX	For WSX Nozzle Connector
Locking Ring		LH04RBT240A2	Raytools	For BT240
		LH04LRP001	Precitec	For Precitec Laser Head

### 8.3 Lens Insertion Tool

	Brand	SKU	Model	For laser head
	Raytools	LH026LITBT210	D28	For Raytools BT210
		LH026LITBT240	D30	For Raytools BT240, BT240S, BM111
		LH026LITBM114S	D37	For Raytools BM114S
	WSX	LH026LITWSXF	D30	For WSX Focusing Lens
		LH026LITWSXC	D30	For WSX Collimating Lens


## 8.4 Cable Sensor

	SKU	Model	Length
	CS04A1C20	SMA-KFD-1	2+0mm
	CS04A2C235	SMA-KFD-2	2+0mm
	CS04A3C33	SMA-KFD-3	3+3mm
	CS04A4C315	SMA-KFD-4	3+15mm
	CS04A2C265	SMA-KFD-5	2.6+5mm
	CS04DWL180	A	180mm
	CS04AWL185	B	185mm
	CS04BWL265	C	265mm
	CS04CWL280	D	280mm




## 9. Industrial Chillers


### 9.1 Fiber Laser Chillers

	SKU	Model	Voltage	Frequency
	IC13CWFL500AN	CWFL-500AN	AC 1P 220V	50Hz
	IC13CWFL500BN	CWFL-500BN	AC 1P 220V	60Hz
	IC13CWFL500DN	CWFL-500DN	AC 1P 110V	60Hz
	IC13CWFL800AN	CWFL-800AN	AC 1P 220V	50Hz
	IC13CWFL800BN	CWFL-800BN	AC 1P 220V	60Hz
	IC13CWFL1000AN	CWFL-1000AN	AC 1P 220V	50Hz
	IC13CWFL1000BN	CWFL-1000BN	AC 1P 220V	60Hz
	IC13CWFL1500AN	CWFL-1500AN	AC 1P 220V	50Hz
	IC13CWFL1500BN	CWFL-1500BN	AC 1P 220V	60Hz
	IC13CWFL2000EN	CWFL-2000EN	AC 3P 380V	50Hz
	IC13CWFL2000AN	CWFL-2000AN	AC 1P 220V	50Hz
	IC13CWFL2000BN	CWFL-2000BN	AC 1P 220V	60Hz
	IC13CWFL3000ET	CWFL-3000ET	AC 3P 380V	50Hz
	IC13CWFL3000BT	CWFL-3000BT	AC 1P 220V	60Hz
	IC13CWFL4000ET	CWFL-4000ET	AC 3P 380V	50Hz
	IC13CWFL4000FT	CWFL-4000FT	AC 3P 380V	60Hz
IC13CWFL6000ET	CWFL-6000ET	AC 3P 380V	50Hz	
IC13CWFL8000ET	CWFL-8000ET	AC 3P 380V	50Hz	


### 9.2 Filter Water Purifier

	SKU	Model	Height
	FC272TA5	Filter Cartridge Type A	5 inch
	FC272TA10	Filter Cartridge Type A	10 inch
	FC272TB5	Filter Cartridge Type B	5 inch
	FC272TB10	Filter Cartridge Type B	10 inch
	FC272YC5	Filter Cartridge Yellow Case	5 inch
	FC272BC10	Filter Cartridge Blue Case	10 inch

## 10. Electro-Pneumatic Regulator

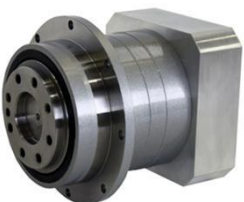
	SKU	Model	Specifications
	LC29SMCITV2050312L	ITV2050-312L	19×16×9mm
	LC29SMCITV1050312L	ITV1050-312L	-

## 11. Industrial Computer

	SKU	Model	Cooling System	Specifications
	FC210IC1	IPC-610-L	4500-turn fan continuous cooling	482×480×177mm

## 12. Reducer

### 12.1 Nidec-Shimpo Reducer

	SKU	Model
	LC28VRT090C5	VRT-090C-5
	LC28SMD57PLX5	57PLX5
	LC28SMD57PLX10	57PLX10
	LC28SMD57PLXC5	57PLXC5
	LC28SMD57PLXC10	57PLXC10